

STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

HYDROGRAPHIC REPORT

1980

STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

STORAGE IN RESERVOIRS

DAILY DISCHARGE RECORDS OF MISCELLANEOUS
STREAMS AND CANAL DIVERSIONS

1980

Prepared Under the Direction of Michael Jess
Department of Water Resources

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HYDROGRAPHIC REPORT 1980

INTRODUCTION

The Hydrographic Report provides a record of stream flow, diversions for irrigation, reservoir storage and related data pertaining to water resources utilization in Nebraska, which are not published by the United States Geological Survey. All measurement sites are referenced to the legal coordinates of the U.S. Bureau of Land Management. The records are listed in downstream order according to river basin and sub-basin.

The basic stream gaging program in Nebraska is carried on under a cooperative agreement between the Water Resources Division, U.S. Geological Survey, and the Nebraska Department of Water Resources. Additional stream flow records are collected in the state by the U.S. Geological Survey in cooperation with other state, local or federal agencies. Such cooperative discharge records are published annually by the Geological Survey as Nebraska Surface Water Records.

Copies of this Hydrographic Report may be obtained by addressing the Nebraska Department of Water Resources, P.O. Box 94676, Lincoln, Nebraska 68509. 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, U.S. Court House, Lincoln, Nebraska 68508, or the Nebraska Department of Water Resources.

EXPLANATION OF DATA

The water diverted from streams into canals is measured through measuring devices located as close as possible to the canal head-gates. The legal description of the land on which the measuring devices are situated is provided in the heading of each record.

The discharge and diversion records are reported for water years, a water year being the period from October 1st to September 30th of the following year. Continuous records of flows are obtained through the operation of water stage recorders from the time the canals are opened in the spring until they are closed in the fall. The canals are dry during the time for which no record is shown. The mean daily discharges and diversions are given in units of cubic feet per second, while the monthly and annual totals are in acre-feet.

The acreage which may be irrigated, by virtue of the listed water appropriations, is provided at the foot of each diversion record. Section 46-261, R.R.S., Nebraska, 1943, provides that before April 1st of each year, the owner or operator of each canal shall submit to the Department a verified list of lands to be irrigated during the ensuing year. The acreage actively irrigated is sometimes less than that reported because of unforeseen weather and moisture conditions, or for other reasons.

Most stream pumps and some small canals are not equipped with flow recording devices, and accurate daily diversion records for them cannot be computed. However, during times of water shortage, some pumps and canals are measured frequently. The results of such measurements, and the results of measurements made on streams at locations other than at established gaging stations, are included in this report.

NEW CONTINUOUS RECORD STATIONS
INCLUDED IN THE 1980 HYDROGRAPHIC REPORT

The records from seven stream gages, which were formerly provided in the United States Geological Survey publication "Water Resources Data for Nebraska," will now be published in the "Hydrographic Report." All of the stations involved are operated by the Bridgeport Division and are listed below:

1. Dry Spottedtail Creek at Mitchell, Nebraska.
2. Tub Springs near Scottsbluff, Nebraska.
3. Winters Creek near Scottsbluff, Nebraska.
4. Ninemile Drain near McGrew, Nebraska.
5. Bayard Sugar Factory Drain near Bayard, Nebraska.
6. Red Willow Creek near Bayard, Nebraska.
7. Lincoln County Drain No. 1 near North Platte, Nebraska.

In order to provide continuity with the record published in the United States Geological Survey report, instantaneous maximum stage and discharge, and minimum daily flow data will be provided for the seven stations and the other continuous record gages operated by the Department. A note has been provided with each of the seven newly acquired records, referencing the water data user to the United States Geological Survey report. Similarly, a statement in the 1979 United States Geological Survey report directs the reader to consult this publication for future records.

Mark E. Nelson

STORAGE IN RESERVOIRS
AND
DAILY DISCHARGE OF RIVERS, STREAMS AND CANALS
NOT PUBLISHED BY THE U.S. GEOLOGICAL SURVEY
1980

WHITE RIVER BASIN

WHITNEY RESERVOIR STORAGE IN ACRE-FEET

From White River--NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 34-33-51W. Near Whitney. Proceed 2 miles west from Whitney on county road.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Aug. 6, 1979	4540	-3440
Dec. 18, 1979	6370	+1830
Apr. 10, 1980	10250	+3880
May 7, 1980	10430	+180
May 21, 1980	10295	-135
June 25, 1980	8660	-1635
Aug. 5, 1980	4145	-4515
Aug. 25, 1980	3310	-835
Sept. 30, 1980	3190	-120
Change in Storage August 6, 1979 through September 30, 1980		-1350

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
HOOVER PUMP from Niobrara River
NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-31-57 W.
Nr. Harrison. 7 miles west, 1 $\frac{1}{2}$ miles south,
on north river bank

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0.1	0	0	0
3	0	.2	0	0	0
4	0	.2	0	0	0
5	0	.1	0	0	0
6	0	.2	0	0	0
7	0	.2	0	0	0
8	0	0	0	0	0
9	0	0.2	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	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	-
S.F.	0	1.2	0	0	0
Mean	0	.04	0	0	0
Max.	0	.2	0	0	0
Min.	0	0	0	0	0
A.F.	0	2	0	0	0

Water pumped 2 A.F.
Acreage reported D-510R-84

DAILY DIVERSIONS OF CANALS-- 1980
JOHNSON CANAL from Niobrara River--Measured through
1 $\frac{1}{2}$ foot Parshall Flume--SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-31-57 W.
Nr. Harrison. 5 miles south on Hiway 29, 3 $\frac{1}{2}$ miles
west to auto-gate, 1 mile north, on east river bank

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	0.3	0	0	0	0
7	.6	0	0	0	0
8	.5	0	0	0	0
9	.4	0	0	0	0
10	0	0	0	0	0
11	0.4	0	0	0	0
12	1	0	0	0	0
13	0.4	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	1	0	0	0
23	0	3	0	0	0
24	0	4	0	0	0
25	0	4	0	0	0
26	0	3	0	0	0
27	0	3	0	0	0
28	0	2	0	0	0
29	0	2	0	0	0
30	0	0.5	0	0	0
31	0	-	0	0	-
S.F.	3.6	22.5	0	0	0
Mean	.1	.8	0	0	0
Max.	1	4	0	0	0
Min.	0	0	0	0	0
A.F.	10	40	0	0	0

Water diverted 50 A.F.
Acreage reported D-511R-146

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
LAKOTAH CANAL from Niobrara River--Measured
through 2-foot Parshall flume--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-30-57 W.
Nr. Harrison. 5 miles south on Hwy 29, 3 $\frac{1}{2}$ miles west
on county road, 1 mile south on trail road

Date	May	June	July	Aug.	Sept.
1	0	5	1	1	2
2	0	4	2	1	2
3	0	4	2	1	2
4	0	4	2	1	2
5	0	4	2	1	2
6	2	4	1	1	2
7	4	4	1	1	1
8	4	3	1	1	1
9	4	3	1	1	2
10	5	2	1	1	2
11	6	2	1	1	2
12	6	2	1	2	2
13	7	2	1	2	2
14	7	2	1	1	2
15	7	2	1	1	2
16	7	2	1	1	2
17	7	2	1	2	2
18	6	2	1	2	1
19	6	2	1	2	0
20	6	2	1	2	0
21	6	2	1	1	0
22	5	2	2	1	0
23	4	1	2	1	0
24	4	0	2	1	0
25	4	0	2	1	0
26	4	0	1	1	0
27	4	0	2	1	0
28	7	0	1	1	0
29	7	0	1	1	0
30	6	0	1	1	0
31	5	-	1	1	-
S.F.	141	62	40	37	33
Mean	5	2	1	1	1
Max.	7	5	2	2	2
Min.	0	0	1	1	0
A.F.	280	120	80	70	70
Water diverted 620 A.F.					
Acreage reported D-554-410					

DAILY DIVERSIONS OF CANALS--1980
EARNEST CANAL (Combined flow--North & South) from
Niobrara River--Measured through rating flumes
SW $\frac{1}{4}$ SE $\frac{1}{4}$ & NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-29-56 W.
Nr. Harrison. 6 miles south on Hwy 29, 6 $\frac{1}{2}$ miles
south on county road, 3/4 mile south on trail road,
on north and south river banks

Date	May	June	July	Aug.	Sept.
1	0	3	0	0	0
2	0	3	0	0	0
3	0	3	0	0	0
4	0	3	0	0	0
5	0	3	0	0	0
6	4	3	0	0	0
7	4	3	0	0	0
8	4	3	0	0	0
9	4	3	0	0	0
10	4	3	0	0	0
11	4	3	0	0	0
12	5	2	0	0	0
13	5	2	0	0	0
14	5	2	0.3	0	0
15	5	1	.7	0.2	0
16	5	0	.6	.5	0
17	5	0	.5	.5	0
18	5	0	.1	.4	0
19	5	0.4	0	.4	0
20	5	.7	0	.4	0
21	5	.7	0	.4	0
22	4	.7	0	.4	0
23	4	.6	0	.3	0
24	4	.5	0	.1	0
25	4	.3	0	.2	0
26	3	.2	0	.4	0
27	3	.1	0	.2	0
28	3	0	0	0	0
29	3	0	0	0	0
30	3	0	0	0	0
31	3	-	0	0	-
S.F.	106	44.2	2.2	4.4	0
Mean	3	1.4	0	0	0
Max.	5	3	0.7	0.5	0
Min.	0	0	0	0	0
A.F.	210	90	4	9	0
Water diverted 313 A.F.					
Acreage reported D-514a-189; D-514b-120; A-1362-102; Total-411					

DAILY DIVERSIONS OF CANALS--1980
MCGINLEY-STOVER CANAL from Niobrara River--Measured
through 2-foot Parshall flume--SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 25-29-56 W.
Nr. Agate. 4 miles northwest on trail road along river,
on south river bank

Date	May	June	July	Aug.	Sept.
1	0	0	1	2	0
2	0	1	1	2	0
3	0	1	1	2	0
4	0	1	1	2	0
5	0	1	1	2	0
6	0	1	1	2	0
7	0	1	1	2	0
8	0	1	1	2	0
9	0	1	2	2	0
10	0	0	2	2	0
11	0	0	2	2	0
12	0	0	2	3	0
13	0	0	3	2	0
14	0	0	2	2	0
15	0	0	3	0	0
16	0	0	2	0	0
17	0	0	2	0	0
18	0	0	2	0	0
19	0	0	2	0	0
20	0	0	1	0	0
21	1	0	0	0	0
22	1	0	0	0	0
23	1	0	0	0	0
24	1	0	0	0	0
25	1	1	0	0	0
26	1	1	0	0	0
27	1	1	0	0	0
28	1	1	2	0	0
29	1	1	2	0	0
30	1	1	2	0	0
31	0	-	2	0	-
S.F.	10	14	41	29	0
Mean	0	0	1	1	0
Max.	1	1	3	3	0
Min.	0	0	0	0	0
A.F.	20	30	80	60	0
Water diverted 190 A.F.					
Acreage reported D-513aR-575; D-513b-120; Total-695					

DAILY DIVERSIONS OF CANALS--1980
HARRIS-NEECE CANAL from Niobrara River--Measured
through rating flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 3-28-55 W.
Nr. Agate. 3 $\frac{1}{2}$ miles east on county road, 1/2 mile
south on trail road, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	13	7	5	0
2	0	12	7	5	0
3	0	12	8	5	0
4	0	12	8	5	0
5	0	12	8	5	0
6	0	12	8	5	0
7	0	12	8	5	0
8	0	12	7	5	0
9	0	12	7	6	0
10	0	5	6	6	0
11	0	2	5	5	0
12	7	5	5	6	0
13	7	11	5	6	0
14	7	11	5	6	0
15	7	3	5	6	0
16	7	0	6	0	0
17	9	0	6	0	0
18	9	0	6	6	0
19	11	0	5	7	0
20	11	0	6	7	0
21	11	0	6	7	0
22	11	0	7	7	0
23	11	0	6	7	0
24	11	4	6	7	0
25	11	8	6	7	0
26	11	8	6	7	0
27	11	8	6	7	0
28	11	8	6	7	0
29	11	8	6	7	0
30	12	7	6	7	0
31	14	-	5	6	-
S.F.	200	197	194	177	0
Mean	6	7	6	6	0
Max.	14	13	8	7	0
Min.	0	0	5	0	0
A.F.	400	390	380	350	0
Water diverted 1520 A.F.					
Acreage reported D-517-600; A-2275-509; Total-1109					

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
LaBELLE CANAL from Niobrara River--Measured
through rating flume--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-28-54 W.
Nr. Harrison. 2 $\frac{1}{2}$ miles south on Hiway 29,
7 miles east on county road,
on north river bank

Date	May	June	July	Aug.	Sept.
1	0	1	0	0	0
2	0	1	0	1	0
3	0	1	0	1	0
4	0	1	0	1	0
5	0	0	0	1	0
6	0	0	0	1	0
7	0	0	0	1	0
8	4	1	0	1	0
9	4	1	0	1	0
10	4	0	0	1	0
11	5	1	0	1	0
12	5	1	0	1	0
13	4	1	0	1	0
14	4	1	1	1	0
15	4	1	1	1	0
16	4	1	1	1	0
17	3	1	1	1	0
18	3	1	1	1	0
19	3	1	1	1	0
20	3	1	0	1	0
21	2	1	0	1	0
22	1	1	1	1	0
23	1	1	1	0	0
24	2	1	1	0	0
25	2	0	1	0	0
26	2	0	1	0	0
27	1	0	1	0	0
28	1	0	1	0	0
29	1	0	1	0	0
30	1	0	1	0	0
31	1	-	0	0	-
S. F.	65	20	15	21	0
Mean	2	1	1	1	0
Max.	5	1	1	1	0
Min.	0	0	0	0	0
A. F.	130	40	30	40	0

Water diverted 240 A.F.
Acreage reported D-518-140; A-60-220;
Total-360

DAILY DIVERSIONS OF CANALS--1980
BENNETT-KAY CANAL from Niobrara River--Measured
through rating flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-28-54 W.
Nr. Agate. 12 miles east on county road, $\frac{1}{2}$ mile
southwest on trail road, on south river bank

Date	May	June	July	Aug.	Sept.
1	0	0	2	0	0
2	0	0	2	0	0
3	0	0	2	0	0
4	0	0	2	0	0
5	0	0	2	0	0
6	0	0	2	0	0
7	0	0	2	0	0
8	0	0	2	0	0
9	0	0	1	0	0
10	0	0	1	1	0
11	0	0	1	0	0
12	0	0	1	0	0
13	0	0	1	0	0
14	0	1	1	0	0
15	0	2	0	0	0
16	0	3	0	0	0
17	0	4	0	0	0
18	0	4	0	0	0
19	0	4	0	0	0
20	0	4	0	0	0
21	0	4	0	0	0
22	0	5	0	0	0
23	0	4	0	0	0
24	0	4	0	0	0
25	0	4	0	0	0
26	0	3	0	0	0
27	0	3	0	0	0
28	0	3	0	0	0
29	0	3	0	0	0
30	0	2	0	0	0
31	0	-	0	0	-
S. F.	0	57	22	1	0
Mean	0	2	1	0	0
Max.	0	5	2	1	0
Min.	0	0	0	0	0
A. F.	0	110	40	0	0

Water diverted 150 A.F.
Acreage reported A-1249-241

DAILY DIVERSIONS OF CANALS--1980
MOORE-KAY CANAL from Niobrara River--Measured
through rating flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-28-53 W.
Nr. Marsland. 10 $\frac{1}{2}$ miles west from Hiway 2 and
river road junction, 1/2 mile south to driveway,
1/2 mile east on trail road, on east river bank

Date	May	June	July	Aug.	Sept.
1	0	1	4	3	4
2	0	0	4	3	4
3	0	2	4	3	4
4	0	6	4	3	4
5	0	6	4	3	4
6	0	6	4	3	4
7	0	6	4	3	2
8	0	6	4	3	0
9	0	6	3	4	0
10	0	6	2	0	0
11	0	6	2	0	0
12	1	6	2	1	0
13	2	6	2	4	0
14	2	6	2	3	0
15	2	5	2	3	0
16	2	5	2	4	0
17	1	5	2	4	0
18	0	5	2	4	0
19	0	5	2	4	0
20	0	6	2	4	0
21	2	6	1	4	0
22	6	6	0	4	0
23	6	7	0	4	0
24	6	6	0	3	0
25	6	6	0	3	0
26	4	5	0	3	0
27	4	5	0	3	0
28	4	4	0	3	0
29	4	4	2	4	0
30	4	4	3	4	0
31	2	-	3	4	-
S. F.	58	153	66	98	26
Mean	2	5	2	3	1
Max.	6	7	4	4	4
Min.	0	0	0	0	0
A. F.	120	300	130	190	50

Water diverted 790 A.F.
Acreage reported A-88-400

DAILY DIVERSIONS OF CANALS--1980
HITSHEW PUMP NO. 2 from Niobrara River
SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-28-52 W.
Nr. Marsland. 6 $\frac{1}{2}$ miles west on north
river bank

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	0.7	0	0	0
11	0	.7	0	0	0
12	0	.7	0	0	0
13	0	.7	0	0	0
14	0	.7	0	0	0
15	0	.7	0	0	0
16	0	.7	0	0	0
17	0	.7	0	0	0
18	0	.7	0	0	0
19	0	.7	0	0	0
20	0	.7	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	-
S. F.	0	7.7	0	0	0
Mean	0	.3	0	0	0
Max.	0	.7	0	0	0
Min.	0	0	0	0	0
A. F.	0	20	0	0	0

Water diverted 20 A.F.
Acreage reported A-4862-42

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
McLAUGHLIN CANAL from Niobrara River--Measured
through rating flume--SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-28-52 W.
Nr. Marsland. 3 3/4 miles west from Hiway 2 and
river road junction, 1 mile south, 1/4 mile south-
west, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	3	2	0	0
2	0	3	3	0	0
3	0	4	3	0	0
4	0	4	3	0	0
5	0	4	3	0	0
6	0	4	3	0	0
7	0	4	3	0	0
8	0	5	3	0	0
9	0	5	2	0	0
10	0	5	1	0	0
11	0	5	1	0	0
12	0	5	1	0	0
13	0	5	1	0	0
14	0	5	1	0	0
15	0	5	1	0	0
16	0	4	1	0	0
17	0	4	1	0	0
18	0	4	1	0	0
19	0	4	1	0	0
20	0	4	1	0	0
21	0	4	1	0	0
22	0	4	1	0	0
23	1	4	1	0	0
24	1	4	1	0	0
25	1	4	1	0	0
26	2	3	1	0	0
27	2	3	1	0	0
28	2	3	1	0	0
29	3	2	0	0	0
30	3	2	0	0	0
31	3	-	0	0	-
S.F.	18	119	44	0	0
Mean	1	4	1	0	0
Max.	3	5	3	0	0
Min.	0	2	0	0	0
A.F.	40	240	90	0	0

Water diverted 370 A.F.
Acreage reported D-566-500

DAILY DIVERSIONS OF CANALS--1980
HUGHES CANAL from Niobrara River--Measured
through rating flume--SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 1-28-52 W.
Nr. Marsland. 1 3/4 mile west on Hiway 2 and river
road junction, 1 mile south thru driveway,
1/4 mile southeast on trail road, on east river bank

Date	May	June	July	Aug.	Sept.
1	0	1	0.3	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	0.4	0	0
11	0	0	.5	0	0
12	0	0	.5	0	0
13	0	0	.6	0	0
14	0	0	.6	0	0
15	0	0	.7	0	0
16	0	0	.2	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	0.1	0	0	0
22	0	.3	0	0	0
23	0	.4	0	0	0
24	0	.3	0	0	0
25	0	.3	0	0	0
26	0	.2	0	0	0
27	1	.5	0	0	0
28	4	.3	0	0	0
29	4	0	0	0	0
30	4	0.2	0	0	0
31	4	---	0	0	-
S.F.	17	2.6	3.8	0	0
Mean	1	.09	.12	0	0
Max.	4	0.5	0.7	0	0
Min.	0	0	0	0	0
A.F.	30	10	10	0	0

Water diverted 50 A.F.
Acreage reported D-987a-20; D-987b-20;
Total-40

DAILY DIVERSIONS OF CANALS--1980
EXCELSIOR CANAL from Niobrara River--Measured
through rating flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-28-52 W.
Nr. Marsland. 3 3/4 miles west from Hiway 2
and river road junction, 1/4 mile south, 1/4 mile
southeast, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	4	0	0	0
2	0	6	0	0	0
3	0	7	0	0	0
4	0	6	0	0	0
5	0	4	0	0	0
6	0	2	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	1	0	0	0
15	0	2	0	0	0
16	0	2	0	0	0
17	0	3	0	0	0
18	0	3	0	0	0
19	0	4	0	0	0
20	0	4	0	0	0
21	0	4	0	0	0
22	3	5	0	0	0
23	7	5	0	0	0
24	7	4	0	0	0
25	7	4	0	0	0
26	7	4	0	0	0
27	6	5	0	0	0
28	6	4	0	0	0
29	5	4	0	0	0
30	7	2	0	0	0
31	5	-	0	0	-
S.F.	60	89	0	0	0
Mean	2	3	0	0	0
Max.	7	7	0	0	0
Min.	0	0	0	0	0
A.F.	120	180	0	0	0

Water diverted 300 A.F.
Acreage reported D-568-200; A-2264-134;
Total-334

DAILY DIVERSIONS OF CANALS--1980
CIRCLE PUMP from Niobrara River
Mobile--NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-28-51 W.
Nr. Marsland. 1 mile south and east
on south river bank

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	0.4	0	0	0
5	0	0	0	0	0
6	0	0.3	0	0	0
7	0	.3	0	0	0
8	0	.4	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0.5	0	0	0
12	0	0	0	0	0
13	0	0.3	0	0	0
14	0	.4	0	0	0
15	0	.1	0	0	0
16	0	.3	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0.3	0	0	0
21	0	.2	0	0	0
22	0	0	0	0	0
23	0	0.1	0	0	0
24	0	.4	0	0	0
25	0	.5	0	0	0
26	0	0	0	0	0
27	0	0.5	0	0	0
28	0	0	0	0	0
29	0	0.6	0	0	0
30	0	0	0	0	0
31	0	-	0	0	-
S.F.	0	5.6	0	0	0
Mean	0	.2	0	0	0
Max.	0	.6	0	0	0
Min.	0	0	0	0	0
A.F.	0	10	0	0	0

Water diverted 10 A.F.
Acreage reported A-4758-373

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 PIONEER CANAL from Niobrara River--Measured
 through rating flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-29-51 W.
 Nr. Marsland. 3 miles east on county road
 1/4 mile south, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	0	5	6	0
2	0	0	6	6	0
3	0	0	6	6	0
4	0	0	4	6	0
5	0	7	4	6	0
6	0	7	4	6	0
7	0	7	5	6	0
8	0	6	5	3	0
9	0	6	6	2	0
10	0	6	6	1	0
11	0	6	5	0	0
12	0	6	5	0	0
13	0	6	5	0	0
14	0	5	5	0	0
15	0	4	1	0	0
16	0	4	0	0	0
17	0	5	0	0	0
18	0	5	0	3	0
19	0	6	0	7	0
20	0	6	0	7	0
21	0	5	0	7	0
22	0	4	0	7	0
23	0	5	0	7	0
24	0	6	0	7	0
25	0	6	0	6	0
26	0	6	0	7	0
27	0	6	0	6	0
28	0	6	0	6	0
29	0	6	0	2	0
30	0	5	0	0	0
31	0	-	2	0	-
S.F.	0	147	74	120	0
Mean	0	5	2	4	0
Max.	0	7	6	7	0
Min.	0	0	0	0	0
A.F.	0	290	150	240	0

Water diverted 680 A.F.
 Acreage reported D-442a-245, A-3812-55;
 A-4599-15; A-5010-43; Total-358

DAILY DIVERSIONS OF CANALS--1980
 ENTERPRISE CANAL PUMP from Niobrara River
 NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-29-50 W.
 Nr. Marsland. 7 miles east, 1/2 mile south,
 on south river bank

Date	May	June	July	Aug.	Sept.
1	0	0	1.3	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	1.3	0	0
27	0	1.3	1.3	0	0
28	0	1.3	1.3	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	-	0	0	-
S.F.	0	2.6	5.2	0	0
Mean	0	.1	.1	0	0
Max.	0	1.3	1.3	0	0
Min.	0	0	0	0	0
A.F.	0	10	10	0	0

Water pumped 20 A.F.
 Acreage reported D-461-86; A-5181-76;
 Total-162

DAILY DIVERSIONS OF CANALS--1980
 FURMAN CANAL (NORTH & SOUTH) from Niobrara River
 Measured through rating flume--SW $\frac{1}{4}$ SW $\frac{1}{4}$ & SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-29-50 W.
 Nr. Marsland. 4 miles east, 1/2 mile south,
 on north and south river banks

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

Water diverted 20 A.F.
 Acreage reported D-462-105

DAILY DIVERSIONS OF CANALS--1980
 MONTAGUE CANAL from Niobrara River--Measured
 through rating flume--SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-29-48 W.
 Nr. Dunlap. 3/4 mile north on Hiway 385, 1 mile
 east, 1/2 mile south, 1/4 mile east, on north
 river bank

Date	May	June	July	Aug.	Sept.
1	0	0	0	1	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	1	0
5	0	0	0	1	0
6	0	0	0	1	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	1	0	0
11	0	0	1	0	0
12	0	0	1	0	0
13	0	0	1	0	0
14	0	0	1	0	0
15	0	0	1	0	0
16	0	0	1	0	0
17	0	0	1	0	0
18	0	0	1	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	1	0	0
25	0	0	1	0	0
26	0	0	1	0	0
27	0	0	1	0	0
28	0	0	1	0	0
29	0	0	1	0	0
30	0	0	1	0	0
31	0	-	1	0	-
S.F.	0	0	17	4	0
Mean	0	0	1	0	0
Max.	0	0	1	1	0
Min.	0	0	0	0	0
A.F.	0	0	30	10	0

Water diverted 40 A.F.
 Acreage reported A-575-32; A-607R-21;
 A-2754-20; A-3923-41; Total-114

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
MONTAGUE PUMP from Niobrara River
SE 1/4 Sec. 28-29-48 W.
Nr. Dunlap. 1 mile east on north river bank

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

Water pumped 170 A.F.
Acreage reported A-2266-82; A-10716-36;
Total-118

DAILY DIVERSIONS OF CANALS--1980
LICHTE CANAL from Niobrara River--Measured
through Parshall flume--SE 1/4 Sec. 26-29-48 W.
Nr. Dunlap. 3/4 mile north on Hwy 385, 2 miles
east on county road, 1/2 mile south, 1/4 mile east,
on south river bank

Date	May	June	July	Aug.	Sept.
1	0	0	4	0	0
2	0	0	3	0	0
3	0	0	3	0	0
4	0	0	3	0	0
5	0	2	3	0	0
6	0	4	3	0	0
7	0	4	1	0	0
8	0	4	0	0	0
9	0	3	0	0	0
10	0	3	0	0	0
11	0	4	4	0	0
12	0	4	4	0	0
13	0	2	0	0	0
14	0	2	2	0	0
15	0	1	4	0	0
16	0	0	3	0	0
17	0	1	3	0	0
18	0	3	3	0	0
19	0	4	2	0	0
20	0	9	4	1	0
21	0	10	1	3	0
22	0	1	0	1	0
23	0	4	0	1	0
24	0	7	0	0	0
25	0	3	0	0	0
26	0	2	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	3	0	0	0
30	0	3	0	0	0
31	0	-	0	0	-
S.F.	0	83	50	6	0
Mean	0	3	2	0	0
Max.	0	10	4	3	0
Min.	0	0	0	0	0
A.F.	0	160	100	10	0

Water diverted 270 A.F.
Acreage reported D-479R-103; A-1086R-154;
A-1088-31; A-1152R-17; A-2523R(Pet.379)-
66; A-2837R-102; A-3592R(Pet.396)-46; Total-519

DAILY DIVERSIONS OF CANALS--1980
MIRAGE FLATS CANAL from Niobrara River--Measured
through 10-foot Parshall flume--SE 1/4 Sec. 26-29-48 W.
Nr. Dunlap, 3/4 mile north on Hwy 385, 2 miles east,
1/4 mile south, 1/4 mile east, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	0	146	159	79
2	0	0	150	153	78
3	0	0	159	153	53
4	0	0	187	150	54
5	0	0	190	149	19
6	0	0	193	148	0
7	0	0	199	147	0
8	0	0	200	143	0
9	0	0	220	60	0
10	0	0	223	0	0
11	0	0	216	0	0
12	0	0	213	0	0
13	0	0	215	0	0
14	0	0	194	0	0
15	0	0	176	0	0
16	0	0	181	0	0
17	0	0	193	5	0
18	0	0	190	63	0
19	0	0	180	73	0
20	0	0	177	103	0
21	0	0	178	109	0
22	0	0	176	96	0
23	0	0	142	96	0
24	0	0	148	99	0
25	0	0	139	122	0
26	0	0	126	135	0
27	0	1	118	132	0
28	0	47	121	124	0
29	0	54	148	116	0
30	0	65	156	91	0
31	0	--	162	90	-
S.F.	0	167	5416	2716	283
Mean	0	6	175	88	9
Max.	0	65	223	159	79
Min.	0	0	118	0	0
A.F.	0	330	10740	5390	560

Water diverted 17020 A.F.
Acreage reported A-2683-9513; A-3729-2156;
Total-11669

DAILY DIVERSIONS OF CANALS--1980
POTMESIL CANAL from Niobrara River--Measured
through Parshall flume--SE 1/4 Sec. 26-29-48 W.
Nr. Dunlap, 3/4 mile north on Hwy 385, 2 miles
east, 1/4 mile south, 1/4 mile east, on north
river bank

Date	May	June	July	Aug.	Sept.
1	0	0	9	5	0
2	0	0	9	5	0
3	0	0	2	5	0
4	0	0	0	5	0
5	0	0	0	3	0
6	0	0	0	3	0
7	0	0	5	3	0
8	0	0	8	3	0
9	0	0	2	1	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	5	0	0	0
13	0	5	0	0	0
14	0	5	0	0	0
15	0	5	0	0	0
16	0	5	0	0	0
17	0	6	0	0	0
18	0	6	0	0	0
19	0	6	0	0	0
20	0	6	0	0	0
21	0	6	0	0	0
22	0	6	1	0	0
23	0	6	7	0	0
24	0	5	7	0	0
25	0	5	7	0	0
26	0	5	7	0	0
27	0	2	7	0	0
28	0	4	6	0	0
29	0	7	5	0	0
30	0	8	5	0	0
31	0	-	5	0	-
S.F.	0	103	92	33	0
Mean	0	3	3	1	0
Max.	0	8	9	5	0
Min.	0	0	0	0	0
A.F.	0	200	180	70	0

Water diverted 450 A.F.
Acreage reported A-2566-397; A-10686-145;
Total-542

NIOBRARA RIVER BASIN

DAILY DIVERSTIONS OF CANALS--1980
 AINSWORTH CANAL from Snake River and Merritt
 Reservoir--Measured through 15-foot Parshall flume
 NW1/4NE1/4 Sec. 29-31-30 W.
 1/10 mile downstream from Merritt Reservoir outlet works

Date	May	June	July	Aug.	Sept.
1	0	48	481	624	63
2	0	49	564	620	67
3	0	48	575	615	86
4	54	49	571	612	101
5	89	49	598	612	101
6	94	49	603	617	102
7	82	48	610	620	106
8	82	48	617	615	120
9	91	52	617	605	127
10	97	72	617	608	99
11	97	72	620	605	83
12	97	75	622	564	73
13	79	87	622	518	68
14	45	97	622	493	68
15	66	81	622	472	60
16	63	61	622	301	46
17	62	53	622	300	43
18	62	50	620	288	34
19	58	44	620	323	30
20	49	42	624	362	30
21	49	41	624	378	30
22	54	53	624	415	30
23	66	65	624	405	30
24	72	89	620	405	30
25	72	125	612	432	15
26	72	166	594	203	0
27	79	220	596	62	0
28	93	280	605	62	0
29	79	301	615	62	0
30	52	400	622	63	0
31	47	---	627	63	-
S. F.	2002	2914	18832	12924	1642
Mean	65	97	607	417	55
Max.	97	400	627	624	127
Min.	0	41	481	62	0
A. F.	3970	5780	37350	25630	3260
Water diverted 75990 A.F.					
Acreage reported A-5218-34267; A-10620-suppl; A-13853-168; A-15122-144; A-15557-126; Total-34704					

PAPILLION CREEK BASIN

STANDING BEAR LAKE (NO. 16) STORAGE IN ACRE-FEET

On the Big Papillion Creek--Sec. 36-16-11E. Papillion Creek project near Omaha.

Water Year Ending September 30, 1980		
Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	1130	-85
Oct. 31, 1979	1109	-21
Nov. 30, 1979	1075	-34
Dec. 31, 1979	1039	-36
Jan. 31, 1980	1012	-27
Febr. 29, 1980	1016	+4
Mar. 31, 1980	1059	+43
Apr. 30, 1980	1022	-37
May 31, 1980	966	-56
June 30, 1980	1493	+527
July 31, 1980	1401	-92
Aug. 31, 1980	1507	+106
Sept. 30, 1980	1425	-82
Change in Storage		+295

CUNNINGHAM LAKE (NO. 11) STORAGE IN ACRE-FEET

On Knight Creek Tributary to Papillion Creek--Sec. 22-16-12E. Papillion Creek project near Omaha.

Water Year Ending September 30, 1980		
Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	3895	-35
Oct. 31, 1979	4022	+127
Nov. 30, 1979	4014	-8
Dec. 31, 1979	3934	-80
Jan. 31, 1980	3970	+36
Febr. 29, 1980	4239	+269
Mar. 31, 1980	4147	-92
Apr. 30, 1980	4102	-45
May 31, 1980	4026	-76
June 30, 1980	4613	+587
July 31, 1980	4127	-486
Aug. 31, 1980	4231	+104
Sept. 30, 1980	3930	-301
Change in Storage		+35

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
FORT LARAMIE CANAL from North Platte River
Measured through Parshall flume
SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10-26-65 W.

Date	May	June	July	Aug.	Sept.
1	0	759	1514	1536	1412
2	0	788	1530	1533	1397
3	0	816	1540	1533	1373
4	0	801	1546	1536	1346
5	0	801	1530	1536	1337
6	0	806	1530	1536	1319
7	0	811	1527	1540	1313
8	99	841	1533	1540	1313
9	618	843	1530	1536	1304
10	664	856	1533	1536	1263
11	646	851	1533	1536	1249
12	614	851	1533	1536	1202
13	531	863	1533	1540	1202
14	574	910	1533	1540	1202
15	611	953	1533	1520	1200
16	583	953	1533	1511	1182
17	556	998	1533	1514	1174
18	544	1042	1536	1517	1174
19	544	1053	1533	1511	1165
20	565	1140	1540	1499	1157
21	632	1165	1540	1477	1163
22	657	1197	1540	1483	1135
23	657	1194	1536	1483	1109
24	650	1237	1536	1480	1048
25	653	1313	1530	1480	879
26	648	1406	1536	1480	796
27	650	1524	1533	1477	89
28	692	1505	1533	1477	0
29	759	897	1533	1468	0
30	759	1505	1536	1443	0
31	759	----	1533	1427	--
S.F.	14665	30679	47539	46761	31503
Mean	473	1023	1534	1508	1050
Max.	759	1524	1546	1540	1412
Min.	0	759	1514	1427	0
A.F.	29090	60850	94290	92750	62490
Water diverted 339470 A.F.					
Acreage reported A-768 Nebr-54846;					
A-768 Wyo-50210; Total-105056					

DAILY DIVERSIONS OF CANALS--1980
INTERSTATE CANAL from North Platte River--Measured
through rating flume--NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11-26-65 W., Wyo.

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	940	0	940	1310	1952	1922	1776
2	949	0	960	1310	1956	1922	1769
3	952	0	1018	1310	1960	1929	1722
4	966	0	1018	756	1956	1925	1718
5	966	0	1012	492	1956	1922	1729
6	966	0	1007	111	1963	1918	1722
7	847	0	1108	0	1956	1918	1688
8	736	0	1290	0	1956	1922	1684
9	123	0	1383	0	1967	1922	1681
10	0	0	1396	0	1956	1925	1678
11	0	0	1390	0	1960	1922	1633
12	0	0	1364	0	1967	1925	1630
13	0	0	1294	0	1952	1933	1613
14	0	0	1255	0	1956	1933	1572
15	0	0	1143	48	1933	1925	1562
16	0	0	1166	594	1910	1865	1548
17	0	0	1185	842	1925	1880	1511
18	0	0	1198	1137	1952	1887	1508
19	0	0	1194	1274	1979	1884	1508
20	0	0	1188	1478	1986	1903	1514
21	0	0	1194	1640	1971	1887	1514
22	0	0	1268	1678	1960	1876	1514
23	0	0	1265	1790	1967	1872	1518
24	0	0	1268	1876	1967	1865	1518
25	0	0	1271	1868	1960	1861	1514
26	0	0	1265	1929	1918	1849	1528
27	0	0	1262	1994	1925	1842	1531
28	0	305	1258	1975	1922	1842	1313
29	0	568	1249	1975	1922	1797	896
30	0	859	1252	1967	1929	1766	738
31	0	---	1306	---	1922	1769	---
S.F.	7445	1732	37367	29354	60461	58508	46350
Mean	240	58	1205	978	1950	1887	1545
Max.	966	859	1396	1994	1986	1933	1776
Min.	0	0	940	0	1910	1766	738
A.F.	14770	3440	74120	58220	119920	116050	91930
Water diverted 478450 A.F.							
Acreage reported A-768 Nebr-100949; A-768 Wyo-11500;							
Total-112449							

ALICE RESERVOIR STORAGE IN ACRE-FEET

From North Platte River--Sec. 8-23-54W and Sec. 15-23-54W.
Regulating reservoir for irrigation on the Interstate Canal
near Scottsbluff.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	3810	-1034
Oct. 31, 1979	2550	-1260
Nov. 30, 1979	2152	-398
Dec. 31, 1979	1781	-371
Jan. 31, 1980	1432	-349
Febr. 29, 1980	1034	-398
Mar. 31, 1980	852	-182
Apr. 30, 1980	473	-379
May 31, 1980	5327	+4854
June 30, 1980	4949	-378
July 31, 1980	4844	-105
Aug. 31, 1980	3006	-1838
Sept. 30, 1980	1520	-1486
Change in Storage		-2290

MINATARE RESERVOIR STORAGE IN ACRE-FEET

From North Platte River--Sec. 32-23-53W. Regulating reservoir
for irrigation on the Interstate Canal near Scottsbluff.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	24735	+6746
Oct. 31, 1979	38310	+13575
Nov. 30, 1979	38132	-178
Dec. 31, 1979	37778	-354
Jan. 31, 1980	37425	-353
Febr. 29, 1980	37248	-177
Mar. 31, 1980	37428	+180
Apr. 30, 1980	36902	-526
May 31, 1980	53014	+16112
June 30, 1980	51948	-1066
July 31, 1980	30890	-21058
Aug. 31, 1980	13582	-17308
Sept. 30, 1980	24040	+10458
Change in Storage		-695

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 MITCHELL CANAL from North Platte River--Measured
 through rating flume--SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-23-60 W., Wyo.
 Nr. Henry. 1/3 mile south from railroad tracks,
 8/10 mile west, 1/10 mile south, on left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	167	0	25	167	139	61
2	151	0	20	155	146	52
3	152	0	24	144	135	44
4	113	0	30	153	141	48
5	29	0	32	153	155	42
6	0	0	29	157	150	45
7	0	124	26	160	152	44
8	0	50	31	146	145	36
9	0	8	20	148	151	26
10	0	0	22	146	137	31
11	0	0	16	134	135	33
12	0	0	21	144	136	31
13	0	0	23	148	139	35
14	0	6	20	154	136	37
15	0	2	20	153	126	45
16	0	0	29	158	134	50
17	0	0	49	157	146	48
18	0	0	54	151	123	51
19	0	0	55	152	122	50
20	0	0	50	143	119	40
21	0	9	56	138	109	53
22	0	18	58	135	104	52
23	0	22	70	141	98	47
24	0	0	'95	133	98	51
25	0	21	107	140	96	55
26	0	31	111	139	91	45
27	0	24	144	135	88	45
28	0	20	157	131	88	46
29	0	19	159	131	84	45
30	0	23	163	137	81	0
31	0	30	---	142	73	---
S.F.	612	407	1716	4525	3777	1288
Mean	20	13	57	146	122	43
Max.	167	124	163	167	155	61
Min.	0	0	16	131	73	0
A.F.	1210	810	3400	8980	7490	2550

Water diverted 24440 A.F.
 Acreage reported D-1052-13565

DAILY DIVERSIONS OF CANALS--1980
 TRI-STATE CANAL FOR FARMERS IRRIGATION DISTRICT
 AND PREFERRED RIGHTS from North Platte River--Measured
 through section of canal--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-23-58 W.
 Nr. Henry. 1.2 miles east on Hwy 26, 2/10 mile
 south, 1/10 mile east, on right bank

Date	May	June	July	Aug.	Sept.
1	0	393	1055	994	717
2	0	380	1058	994	739
3	0	394	1074	980	717
4	0	394	1075	985	646
5	0	386	1076	970	668
6	150	396	1082	959	631
7	397	424	1086	955	612
8	476	422	1084	985	612
9	476	411	1054	1000	617
10	476	409	1046	998	623
11	476	402	1046	995	603
12	415	397	1080	998	588
13	358	397	1103	1007	586
14	360	397	1081	1009	586
15	369	410	1086	1018	587
16	366	399	1060	977	594
17	363	402	1052	946	607
18	360	476	1039	949	597
19	443	536	1043	972	616
20	454	520	1032	949	642
21	417	530	1020	933	625
22	456	549	1030	909	622
23	475	594	1023	881	650
24	485	743	1021	871	637
25	407	780	1020	881	530
26	431	808	1010	867	482
27	468	866	1007	871	448
28	455	1114	998	856	418
29	424	1076	987	784	179
30	438	1022	999	725	0
31	432	---	1000	733	---
S.F.	10827	16427	32427	28952	17179
Mean	349	548	1046	934	573
Max.	485	1114	1103	1018	739
Min.	0	380	987	725	179
A.F.	21480	32580	64320	57430	34070

Water diverted 209880 A.F.

DAILY DIVERSIONS OF CANALS--1980

TRI-STATE DIVERSION
 FOR FARMERS IRRIGATION DISTRICT AND PREFERRED RIGHTS
 Summary in Acre-feet--1980

	May	June	July	Aug.	Sept.	Totals
Diverted from:						
North Platte River.....	21480	32580	64320	57430	34070	209880
*Optional Diversions.....	80	220	890	1180	580	2950
**Drains.....	780	0	0	0	90	870
Total.....	22340	32800	65210	58610	34740	213700

Water diverted 213700 A.F.
 Acreage reported D-918-58473; A-660-2913; O.D.'s-359; Total-61745
 *Alliance Drain onto Farmers Irrigation District lands
 **Diverted by Farmers Irrigation District in excess of delivery to Northport
 Irrigation District

DISCHARGE IN SECOND-FEET OF NORTH PLATTE RIVER
 PASSING TRI-STATE DAM--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-23-58 W.
 Nr. Henry. 1.2 miles east on Hwy 26, 1/10 mile
 south, on left bank

Date	May	June	July	Aug.	Sept.
1	2940	1560	180	211	26
2	3160	1570	280	284	25
3	3480	1500	470	249	25
4	3420	1450	340	100	25
5	3460	1240	270	30	25
6	3300	1060	440	60	25
7	2880	1270	560	95	25
8	2790	1390	280	115	23
9	2900	1660	120	176	14
10	2940	1640	70	225	14
11	2200	1360	20	230	14
12	1200	980	50	200	14
13	1020	940	210	170	14
14	960	960	420	128	14
15	1100	970	262	271	14
16	1550	920	226	546	14
17	2020	950	190	329	14
18	2600	1160	134	273	14
19	2430	1180	164	292	14
20	2240	1410	135	127	14
21	2340	1470	122	48	14
22	2580	1280	124	51	14
23	2490	870	94	55	14
24	2440	450	49	43	14
25	2270	140	117	42	14
26	2240	100	83	46	14
27	2350	190	83	38	14
28	2340	200	87	46	14
29	1900	310	81	33	340
30	1610	270	42	25	575
31	1530	---	102	37	---
S.F.	72680	30450	5805	4575	1394
Mean	2345	1015	187	148	46
Max.	3480	1660	560	546	575
Min.	960	100	20	25	14
A.F.	144160	60400	11510	9070	2760

Total 5 month 227900 A.F.

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 ENTERPRISE CANAL from Winters Creek--Measured
 in channel of canal--Sec. 17-22-54 W.
 Nr. Scottsbluff; From Great Western Sugar
 Factory at East Overland and 21st Ave. north
 1 mile to east 27th St. east 1.1 mile, follow
 road on right bank of canal approx 1/2 mile north
 to where 24 inch concrete pipe emerges from ground

Date	May	June	July	Aug.	Sept.
1	0	2	1	2	1
2	0	2	1	2	1
3	0	2	1	2	1
4	0	2	1	2	1
5	0	2	1	2	1
6	0	2	2	2	1
7	0	2	2	2	1
8	0	2	2	2	0
9	0	2	2	2	0
10	0	2	2	2	0
11	0	2	2	2	0
12	0	2	2	2	0
13	0	2	2	2	0
14	0	2	2	2	0
15	0	2	2	2	0
16	0	2	2	2	0
17	0	2	2	2	0
18	0	2	2	2	0
19	0	2	2	2	0
20	0	2	2	2	0
21	0	2	2	2	0
22	0	2	2	2	0
23	0	2	2	2	0
24	0	2	2	2	0
25	0	2	2	2	0
26	0	2	2	2	0
27	0	2	2	2	0
28	2	2	2	2	0
29	2	1	2	2	0
30	2	1	2	1	0
31	2	-	2	1	-
S.F.	8	58	57	60	7
Mean	0	2	2	2	0
Max.	2	2	2	2	1
Min.	0	1	1	1	0
A.F.	20	120	110	120	10
Water diverted 380 A.F.					

DAILY DIVERSIONS OF CANALS--1980

ENTERPRISE CANAL
 Summary in Acre-feet--1980

Diverted from:	Apr.	May	June	July	Aug.	Sept.	Totals
North Platte River.....	1280	4340	4890	6340	6270	4650	27770
Morrill Drain.....	0	60	60	60	90	120	390
Dry Spottedtail Creek..	0	0	0	0	0	0	0
Tub Springs.....	0	0	0	0	0	0	0
Winters Creek.....	0	20	120	110	120	10	380
Natural flow.....	1280	4420	5070	6510	6580	4780	28540
Storage flow.....	0	0	0	0	190	0	190
Totals.....	1280	4420	5070	6510	6670	4780	28730

Storage orders - Aug. 2-Aug. 11 for 12 cfs

Water diverted 28730 A.F.
 Natural 28540 A.F.
 Storage 190 A.F.

DISCHARGE IN SECOND- FEET OF DRY SPOTTEDTAIL CREEK
 SE 1/4 Sec. 20-23-56 W.--Water Year Ending September 30, 1980
 At Mitchell. 0.5 mile west of Mitchell on county road, on right
 bank 5 feet upstream from bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 480 Cubic Feet per Second at 0215 hrs. on
 May 24. Maximum Gage Height, 4.26 Feet at 0215 hrs. on May 24. Minimum Daily Discharge,
 9.7 Cubic Feet per Second on January 30.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	24	19	13	11	30	28	87	27	44	60	83
2	42	24	19	13	11	32	28	88	22	44	60	86
3	36	24	19	13	12	30	27	48	21	45	65	83
4	39	24	19	13	12	30	27	21	22	45	70	79
5	38	24	19	13	12	30	26	34	21	44	56	80
6	37	24	19	13	12	29	24	45	25	50	47	80
7	38	23	19	13	12	29	24	43	28	54	43	79
8	36	23	19	13	11	27	25	30	25	65	46	76
9	33	22	19	13	12	26	25	50	25	56	46	73
10	30	21	20	13	13	27	24	54	25	62	46	73
11	27	21	17	13	18	25	25	63	27	63	54	73
12	26	21	16	13	20	24	25	62	30	62	54	76
13	26	20	15	15	20	26	25	54	30	69	55	86
14	26	20	15	14	20	26	24	38	30	73	52	84
15	26	20	17	13	22	24	24	52	27	76	70	86
16	26	20	16	13	22	24	24	52	28	73	69	86
17	26	19	16	13	22	24	26	46	30	76	62	79
18	25	19	16	13	22	24	24	43	32	74	70	73
19	24	19	16	13	24	24	24	36	32	72	59	63
20	24	19	16	12	28	23	24	33	50	73	58	79
21	26	19	14	12	92	23	24	27	45	72	56	83
22	25	20	14	12	52	22	62	27	52	65	63	83
23	25	19	14	12	28	23	88	24	52	66	69	74
24	24	19	14	12	21	22	87	115	50	69	69	70
25	24	19	13	12	19	23	90	40	52	73	73	101
26	24	19	13	12	19	24	88	46	47	76	76	126
27	24	19	14	12	19	25	88	34	44	73	77	131
28	24	18	13	12	18	25	90	30	45	73	76	135
29	29	19	13	10	29	26	88	28	45	70	80	135
30	27	19	13	9.7	--	27	84	30	43	70	83	118
31	24	--	13	11	--	27	--	30	--	65	84	--
S.F.	911	621	499	388.7	633	801	1292	1410	1032	1991	1948	2633
Mean	29	21	16	13	22	26	43	45	34	64	63	88
Max.	50	24	20	15	92	32	90	115	52	76	84	135
Min.	24	18	13	9.7	11	22	24	24	21	44	43	63
A.F.	1810	1230	990	770	1260	1590	2560	2800	2050	3950	3860	5220
Total 28090 Acre-Feet (The records for previous years are provided in the U.S.G.S. publication "Water Resources Data for Nebraska, 1979")												

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF WET SPOTTEDTAIL CREEK NEAR MITCHELL
 SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-22-55 W.--Water Year Ending September 30, 1980
 4.5 miles southeast of junction of Highway 26 and University
 Experiment Farm road on Highway 26. Turn right across
 railroad tracks 0.3 mile through farm yard to creek.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 19 Cubic Feet per Second at 1300 hrs. on
 August 15. Maximum Gage Height, 2.85 Feet at 1030 hrs. on November 21. Minimum Daily
 Discharge, 7.0 Cubic Feet per Second on January 7 through January 9.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	14	10	9.0	9.2	10	10	11	11	12	15	17
2	13	14	11	9.3	9.2	10	10	11	11	12	15	16
3	13	14	12	9.3	9.0	10	10	11	12	13	14	16
4	13	14	12	8.0	8.8	10	10	11	11	13	14	16
5	13	14	12	8.1	8.6	10	10	10	11	13	14	16
6	13	14	12	8.0	8.4	10	10	10	11	13	13	16
7	13	14	12	7.0	8.2	10	9.8	10	11	15	14	15
8	13	14	12	7.0	7.9	10	9.6	10	11	16	14	14
9	14	13	12	7.0	8.6	10	9.6	10	11	16	13	13
10	14	13	12	8.0	8.0	10	9.6	10	11	16	15	14
11	14	13	13	9.0	8.5	10	9.6	14	11	16	15	13
12	14	12	10	9.0	8.2	10	9.7	15	11	16	16	12
13	14	12	10	8.9	7.6	10	9.7	14	11	16	16	12
14	14	12	9.8	9.3	7.6	9.9	9.7	14	11	16	17	12
15	14	12	9.8	9.3	10	9.9	9.8	14	11	16	18	12
16	14	12	9.0	8.9	10	9.8	9.8	14	11	16	18	12
17	14	12	10	8.9	11	9.8	9.8	14	11	16	17	12
18	14	12	10	9.0	11	9.8	9.9	13	11	16	17	12
19	14	12	10	9.0	12	9.6	9.9	13	11	16	17	12
20	14	11	10	8.6	12	9.6	10	13	12	15	17	12
21	14	11	10	8.6	13	9.6	10	13	13	15	16	12
22	14	11	10	8.6	13	9.7	10	13	13	15	17	12
23	13	11	10	8.1	13	9.3	10	14	13	15	17	12
24	13	11	10	8.0	12	9.3	10	13	13	15	17	12
25	13	11	10	8.0	12	9.6	10	12	13	15	17	12
26	13	11	10	8.0	12	9.7	11	12	13	15	18	12
27	13	11	10	8.0	12	9.7	11	11	12	15	18	12
28	13	10	10	8.0	11	9.8	11	11	12	16	18	12
29	15	9.0	9.0	8.0	12	9.8	11	12	12	16	17	12
30	14	9.0	8.0	8.0	----	9.8	11	11	12	16	16	12
31	14	----	8.0	8.0	----	10	----	11	----	16	16	----
S.F.	421	363	323.6	259.9	293.8	304.7	301.5	375	348	467	496	394
Mean	14	12	10.4	8.4	10.1	9.8	10	12	12	15	16	13
Max.	15	14	13	9.3	13	10	11	15	13	16	18	17
Min.	13	9.0	8.0	7.0	7.6	9.3	9.6	10	11	12	13	12
A.F.	840	720	640	520	580	600	600	740	690	930	980	780
Total	8620 Acre-Feet											

DISCHARGE IN SECOND-FEET OF TUB SPRINGS
 SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 33-23-55 W.--Water Year Ending September 30, 1980
 Near Scottsbluff. 3.5 miles west of junction of Highways 26 & 71,
 1.25 miles north on county road, 50 feet upstream from county bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 322 Cubic Feet per Second at 1545 hrs. on
 May 29. Maximum Gage Height, 3.00 Feet at 1545 hrs. on May 29. Minimum Daily Discharge,
 23 Cubic Feet per Second on April 29 through May 2.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	57	46	42	36	33	31	29	23	68	32	38	55
2	57	46	42	36	33	31	29	23	63	34	37	58
3	57	46	42	35	33	31	29	46	60	34	36	56
4	58	47	43	35	33	31	29	74	58	34	37	56
5	58	47	43	33	33	31	29	63	61	33	39	60
6	58	46	43	31	33	31	28	50	57	33	38	62
7	58	46	41	31	33	30	28	50	57	33	38	61
8	58	46	42	31	32	30	27	58	55	39	38	65
9	58	45	42	31	32	30	27	66	56	38	40	67
10	58	45	40	32	32	30	27	68	57	38	39	67
11	56	44	39	31	31	30	27	70	56	38	38	66
12	56	44	39	31	31	31	27	71	54	37	38	65
13	55	44	39	33	31	31	27	71	52	40	38	65
14	54	45	39	31	31	31	27	71	50	41	38	63
15	53	44	39	31	31	30	27	75	50	43	47	64
16	53	44	37	31	31	30	28	76	43	43	58	70
17	54	44	37	31	31	30	28	79	39	40	61	70
18	53	45	37	32	31	30	28	78	41	40	68	66
19	52	44	36	32	38	29	28	67	41	41	67	63
20	51	43	36	32	43	29	27	57	42	39	68	73
21	54	40	36	32	80	29	26	57	40	39	70	69
22	50	41	36	32	35	29	26	58	37	36	72	76
23	50	43	36	33	33	29	27	62	34	38	72	76
24	49	44	36	33	32	28	25	92	29	39	70	73
25	49	43	36	33	32	28	25	56	27	40	70	73
26	48	43	36	33	31	28	25	52	28	43	54	80
27	48	43	36	33	31	28	25	66	28	41	49	93
28	47	43	36	33	31	28	24	72	31	40	52	103
29	53	43	36	33	31	28	23	100	30	40	50	112
30	47	43	36	33	--	29	23	62	31	37	49	97
31	46	--	36	33	--	29	--	58	--	38	51	--
S.F.	1655	1327	1194	1007	992	920	805	1971	1375	1181	1560	2124
Mean	53	44	39	32	34	30	27	64	46	38	50	71
Max.	58	47	43	36	80	31	29	100	68	43	72	112
Min.	46	40	36	31	31	28	23	23	27	32	36	55
A.F.	3280	2630	2370	2000	1970	1820	1600	3910	2730	2340	3090	4210
Total	31950 Acre-Feet (The records for previous years are provided in the U.S.G.S. publication "Water Resources Data for Nebraska, 1979")											

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 WINTERS CREEK CANAL from North Platte River--Measured through 8-foot Parshall flume--SE 1/4 Sec. 17-22-55 W. Nr. Scottsbluff. From intersection of Broadway and West 20th St. in downtown Scottsbluff go west 2.6 miles on Hiway 92 to Riverview Golf Course, turn north on county road for 1/2 mile, then west 3/10 mile. Gage on right bank

Date	May	June	July	Aug.	Sept.
1	0	4	26	30	22
2	0	4	28	30	26
3	0	12	28	30	22
4	0	13	28	28	22
5	0	11	25	26	22
6	0	7	32	27	22
7	11	11	30	28	22
8	15	14	26	28	24
9	15	16	26	26	24
10	14	16	27	27	24
11	14	19	23	26	22
12	5	8	24	26	21
13	8	3	27	24	19
14	11	3	30	23	18
15	9	3	26	25	19
16	11	3	28	25	18
17	0	3	28	22	18
18	0	2	26	24	17
19	6	2	28	26	17
20	9	2	28	26	20
21	10	2	26	25	17
22	11	2	27	26	15
23	9	4	28	26	16
24	7	11	28	26	15
25	0	12	29	26	16
26	4	7	30	25	18
27	13	6	28	25	7
28	14	12	30	25	0
29	11	18	28	22	0
30	4	28	26	21	0
31	4	--	26	21	--
S.F.	215	258	850	795	523
Mean	7	9	27	26	17
Max.	15	28	32	30	26
Min.	0	2	23	21	0
A.F.	430	510	1690	1580	1040
Water diverted 5250 A.F.					
Acreage reported D-952-5745					

DAILY DIVERSIONS OF CANALS--1980
 GERING CANAL from North Platte River--Measured through rating flume--NE 1/4 Sec. 29-22-55 W. Nr. Gering. 5 miles west from Hiway Junction 71 & 92, cross canal, turn right, 3/4 mile down canal

Date	May	June	July	Aug.	Sept.
1	0	155	192	207	211
2	0	160	206	206	195
3	0	154	211	209	184
4	0	145	200	200	179
5	0	142	200	193	182
6	0	153	195	200	179
7	0	162	195	200	180
8	101	160	207	203	179
9	153	170	200	206	180
10	184	160	206	215	170
11	165	158	219	211	170
12	170	153	209	207	176
13	158	157	211	204	178
14	145	160	207	207	176
15	153	160	206	217	170
16	158	155	201	207	174
17	152	158	198	195	176
18	165	155	204	209	174
19	169	154	207	206	174
20	169	154	214	209	172
21	163	147	215	207	157
22	162	148	211	207	158
23	160	154	209	209	162
24	168	165	217	207	158
25	149	200	206	209	154
26	149	200	209	204	162
27	157	200	215	204	164
28	158	204	217	204	163
29	162	204	217	206	162
30	158	200	209	207	152
31	147	---	204	214	---
S.F.	3775	4947	6417	6389	5171
Mean	122	165	207	206	172
Max.	184	204	219	217	211
Min.	0	142	192	193	152
A.F.	7490	9810	12730	12670	10260
Water diverted 52960 A.F.					
Acreage reported A-365R-13106					

DAILY DIVERSIONS OF CANALS--1980
 CENTRAL CANAL from North Platte River--Measured through rating flume--NW 1/4 Sec. 36-22-55 W. Nr. Gering. Enter town on Hiway 92, go to 7th Street, 1.4 miles north, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	15	0	4	24	35	24
2	7	0	7	28	36	25
3	0	0	0	41	37	22
4	0	0	14	39	35	21
5	0	0	11	29	33	22
6	0	0	13	34	31	22
7	0	0	17	34	30	22
8	0	0	19	35	32	22
9	0	0	22	35	35	23
10	0	0	23	34	35	22
11	0	0	21	32	33	23
12	0	0	18	35	32	24
13	0	0	16	36	32	24
14	0	0	14	34	31	23
15	0	0	21	35	32	23
16	0	0	24	35	33	24
17	0	0	24	34	32	24
18	0	0	27	33	29	24
19	0	0	28	32	28	24
20	0	0	28	33	27	26
21	0	0	26	33	26	27
22	0	1	25	32	25	27
23	0	3	19	31	24	26
24	0	18	25	30	25	22
25	0	8	24	33	26	23
26	0	12	21	35	28	26
27	0	16	30	35	27	28
28	0	18	26	35	28	31
29	0	17	22	34	28	25
30	0	8	24	30	26	11
31	0	0	--	34	25	--
S.F.	22	101	593	1034	936	710
Mean	1	3	20	33	30	24
Max.	15	18	30	41	37	31
Min.	0	0	0	24	24	11
A.F.	40	200	1180	2050	1860	1410
Water diverted 6740 A.F.						
Acreage reported D-926-1984						

DAILY DIVERSIONS OF CANALS--1980

CENTRAL CANAL Summary in Acre-feet--1980							
Diverted	Oct.	May	June	July	Aug.	Sept.	Totals
Natural.....	40	200	1180	1800	1680	1410	6310
Storage.....	0	0	0	250	180	0	430
Totals.....	40	200	1180	2050	1860	1410	6740
Storage orders - July 9-July 10 for 13 cfs July 11-July 17 for 8 cfs July 18-July 24 for 5 cfs July 25-Aug. 1 for 7 cfs Aug. 2-Aug. 7 for 10 cfs Aug. 8-Aug. 14 for 6 cfs Aug. 15-Aug. 31 for 3 cfs							
Water diverted 6740 A.F.							
Natural 6310 A.F.							
Storage 430 A.F.							

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF WINTERS CREEK NEAR SCOTTSBLUFF
 NW¼ Sec. 30-22-54 W.--Water Year Ending September 30, 1980
 0.5 mile east of Junction of Highway 26 and East Overland,
 on right bank 0.1 mile downstream from Highway 26 bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 517 Cubic Feet per second at 1930 hrs. on
 June 14. Maximum Gage Height, 5.33 Feet at 1930 hrs. on June 14. Minimum Daily Discharge,
 14 Cubic Feet per Second on May 6, June 13, 27, 30, and July 1.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	67	58	54	46	38	47	48	37	38	14	38	70
2	79	58	54	46	38	47	48	37	39	18	39	67
3	78	58	54	46	38	47	49	37	42	24	42	68
4	80	58	54	45	38	46	49	37	41	24	34	68
5	79	58	52	45	36	46	49	24	40	21	26	71
6	79	58	52	45	34	45	49	14	40	26	22	72
7	78	58	50	46	33	45	49	19	38	23	23	71
8	72	58	51	46	33	46	49	28	37	20	30	73
9	69	56	50	46	32	46	49	63	36	15	42	78
10	69	56	50	45	31	46	49	100	38	17	52	80
11	69	56	49	44	31	46	50	102	38	17	46	75
12	70	56	47	45	31	45	50	107	26	20	41	72
13	70	56	48	47	31	45	50	101	14	33	38	72
14	70	56	48	46	31	45	50	102	52	38	52	72
15	69	56	47	45	32	45	50	102	62	28	70	67
16	69	54	47	44	33	45	50	112	40	26	75	63
17	69	54	45	43	34	45	49	109	31	23	71	63
18	68	54	45	42	36	45	50	83	24	23	72	92
19	68	54	45	42	45	45	50	49	19	25	76	85
20	67	54	45	42	55	45	49	49	22	34	65	74
21	70	52	45	41	86	45	49	71	22	34	62	75
22	67	52	45	41	52	46	49	55	22	35	58	68
23	66	56	45	41	46	46	51	44	24	28	62	71
24	66	56	45	41	46	46	50	43	26	31	64	78
25	65	54	45	41	46	46	48	33	19	31	60	79
26	65	54	45	39	47	46	45	25	18	38	60	81
27	64	54	46	39	47	46	43	36	14	42	67	82
28	64	54	45	38	47	46	41	34	16	45	70	73
29	68	54	45	38	47	46	39	35	17	45	70	119
30	63	54	45	38	--	46	37	33	14	38	70	118
31	60	--	46	38	--	48	--	35	--	35	69	---
S.F.	2157	1666	1484	1331	1174	1419	1438	1756	909	871	1666	2297
Mean	70	56	48	43	40	46	48	57	30	28	54	77
Max.	80	58	54	47	86	48	51	112	62	45	76	119
Min.	60	52	45	38	31	45	37	14	14	14	22	63
A.F.	4280	3300	2940	2640	2330	2810	2850	3480	1800	1730	3300	4560
Total	36020 Acre-Feet (The records for previous years are provided in the U.S.G.S. publication "Water Resources Data for Nebraska, 1979")											

DAILY DIVERSIONS OF CANALS--1980
 WINTERS CREEK FACTORY LATERAL from Winters Creek
 Measured through 2-foot Parshall flume--SE¼ Sec. 19-22-54 W.
 Nr. Scottsbluff. From junction at Hwy 26 and East
 Overland 2/10 mile east, 6/10 mile north. Gage on left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	11	0	0	5	5	0
2	8	0	0	2	3	2
3	8	0	0	2	3	5
4	8	0	0	2	3	4
5	8	0	0	5	4	5
6	8	0	0	6	5	4
7	8	0	0	5	6	0
8	8	0	0	3	6	0
9	5	0	0	3	5	0
10	0	0	0	3	6	0
11	0	0	0	5	4	0
12	0	0	0	5	4	0
13	0	0	0	3	4	0
14	0	0	0	2	4	0
15	0	0	0	2	4	2
16	0	0	1	4	2	6
17	0	0	3	3	2	7
18	0	0	5	3	3	4
19	0	0	6	4	3	4
20	0	0	5	3	5	8
21	0	0	3	4	5	8
22	0	0	2	5	6	7
23	0	0	2	5	7	7
24	0	0	2	5	4	9
25	0	0	2	5	0	6
26	0	0	5	4	0	2
27	0	0	7	4	0	2
28	0	0	8	5	0	2
29	0	0	8	2	0	3
30	0	0	7	3	0	8
31	0	0	--	4	0	--
S.F.	72	0	66	116	103	105
Mean	2	0	2	4	3	4
Max.	11	0	8	6	7	9
Min.	0	0	0	2	0	0
A.F.	140	0	130	230	200	210
Water diverted	910 A.F.					

DAILY DIVERSIONS OF CANALS--1980
 WINTERS CREEK CANAL from Winters Creek--Measured
 through 8-foot Parshall flume--SW¼ Sec. 19-22-54 W.
 Nr. Scottsbluff. From Junction of Hwy 26 and
 East Overland 2/10 mile east, 6/10 mile north,
 walk across diversion dam to gage 400 feet east
 of dam on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	10	0	16	42	43	40
2	0	0	16	45	45	37
3	0	0	14	42	43	40
4	0	0	12	42	46	41
5	0	0	13	42	47	41
6	0	7	12	41	49	41
7	0	16	15	42	53	41
8	0	20	15	42	54	42
9	0	23	14	44	54	42
10	0	22	14	45	51	41
11	0	24	15	45	47	39
12	0	20	18	41	46	38
13	0	17	21	38	46	38
14	0	16	19	38	48	38
15	0	17	0	42	46	41
16	0	13	13	44	43	41
17	0	9	22	44	43	41
18	0	4	22	46	51	9
19	0	10	24	46	49	14
20	0	18	25	45	42	28
21	0	26	25	43	43	24
22	0	18	25	42	44	29
23	0	15	29	42	45	29
24	0	15	28	43	44	24
25	0	13	29	43	43	24
26	0	18	32	44	42	22
27	0	26	36	43	42	25
28	0	21	40	42	42	32
29	0	19	40	41	42	22
30	0	20	40	40	42	2
31	0	16	--	41	42	--
S.F.	10	443	644	1320	1417	966
Mean	0	14	21	43	46	32
Max.	10	26	40	46	54	42
Min.	0	0	0	38	42	2
A.F.	20	880	1280	2620	2810	1920
Water diverted	9530 A.F.					

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980

WINTERS CREEK DIVERSIONS
Summary in Acre-feet--1980

	Oct.	May	June	July	Aug.	Sept.	Totals
Diverted from:							
North Platte River....	0	430	510	1690	1580	1040	5250
Winters Creek.....	160	880	1410	2850	3010	2130	10440
Totals.....	160	1310	1920	4540	4590	3170	15690

Water diverted 15690 A.F.
Acreage reported D-952-5745

DAILY DIVERSIONS OF CANALS--1980
MINATARE CANAL from North Platte River--Measured
through rating flume--NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-22-54 W.
Nr. Scottsbluff. 2.4 miles east from Junction of
South By-Pass & Hiway 26, 2/10 miles southeast,
100 feet east, on left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	35	0	26	99	93	68
2	35	0	26	99	106	67
3	35	0	26	107	116	58
4	35	0	25	112	105	70
5	36	0	39	103	94	79
6	37	2	46	103	87	78
7	38	21	34	109	83	76
8	38	20	26	111	102	78
9	39	19	27	100	109	74
10	40	40	28	114	104	74
11	39	37	40	105	103	74
12	39	28	60	105	103	73
13	37	28	81	114	92	71
14	35	28	82	107	92	69
15	33	28	83	107	94	68
16	31	28	90	108	99	60
17	31	30	93	107	85	58
18	31	32	96	106	83	58
19	30	34	97	110	82	58
20	30	32	99	110	83	74
21	31	34	98	111	80	68
22	14	33	97	108	76	57
23	0	32	86	107	76	57
24	0	38	74	120	93	61
25	0	33	74	111	100	67
26	0	37	92	114	91	67
27	0	59	103	100	88	62
28	0	54	103	100	89	66
29	0	46	99	100	89	55
30	0	26	103	97	71	62
31	0	26	---	86	56	--
S.F.	749	825	2053	3290	2824	2007
Mean	24	27	68	106	91	67
Max.	40	59	103	120	116	79
Min.	0	0	25	86	56	55
A.F.	1490	1640	4070	6530	5600	3980
Water diverted 23310 A.F.						
Acreage reported D-919-9212						

DAILY DIVERSIONS OF CANALS--1980
CASTLE ROCK-STEAMBOAT CANAL from North Platte River
Measured through rating flume--NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-21-54 W.
Nr. Melbeta. 1/5 mile west on Hiway 92, 100 feet
south, on left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	47	0	58	92	86	69
2	46	0	57	95	88	69
3	41	0	59	97	86	67
4	41	0	66	97	86	64
5	39	0	72	92	86	63
6	35	0	70	93	84	62
7	35	0	68	95	86	57
8	24	0	70	94	86	60
9	0	0	75	93	86	63
10	0	0	62	93	86	64
11	0	0	55	90	85	64
12	0	0	63	89	84	64
13	0	0	61	91	86	65
14	0	5	63	94	85	65
15	0	0	64	94	83	67
16	0	0	63	87	78	67
17	0	10	63	86	77	68
18	0	20	65	83	76	70
19	0	32	65	81	78	72
20	0	32	65	81	75	66
21	0	41	64	81	78	64
22	0	41	63	86	81	65
23	0	44	61	86	79	68
24	0	52	62	86	76	72
25	0	36	68	85	74	70
26	0	49	81	71	74	67
27	0	50	83	76	76	64
28	0	57	85	79	74	62
29	0	56	92	86	72	59
30	0	56	92	89	70	56
31	0	58	--	87	70	--
S.F.	308	639	2035	2729	2491	1953
Mean	10	21	68	88	80	65
Max.	47	58	92	97	88	72
Min.	0	0	55	71	70	56
A.F.	610	1270	4040	5410	4940	3870
Water diverted 20140 A.F.						
Acreage reported D-921-5987; A-186R-471; A-350R-49; Total-6507						

DISCHARGE IN SECOND-FEET OF MELBETA DRAIN NEAR
MELBETA--SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-21-54.
5/10 mile west on Hiway 92, on upstream side
of bridge
Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	2	24	9	7	23
2	2	17	10	6	23
3	2	21	4	4	25
4	2	8	8	3	25
5	2	24	13	3	20
6	2	13	10	7	19
7	2	25	7	3	19
8	2	12	6	3	19
9	2	2	3	3	24
10	2	2	6	3	24
11	2	2	40	3	15
12	3	2	35	13	15
13	2	9	30	1	21
14	2	2	26	2	22
15	3	2	19	3	23
16	3	2	12	12	28
17	2	19	8	13	28
18	2	2	4	14	32
19	2	1	4	10	25
20	2	2	4	10	20
21	2	2	5	12	22
22	2	2	9	13	25
23	2	2	7	10	25
24	2	27	4	8	26
25	12	13	14	7	22
26	20	16	41	9	26
27	17	4	20	7	24
28	13	3	9	7	23
29	17	6	4	5	17
30	34	9	2	13	20
31	32	--	4	18	--
S.F.	196	275	377	232	680
Mean	6	9	12	7	23
Max.	34	27	41	18	32
Min.	2	1	2	1	15
A.F.	390	550	750	460	1350

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
NINE MILE CANAL from North Platte River--Measured
through rating flume--NE&SW Sec. 16-21-53 W.

Table with columns: Date, Oct., May, June, July, Aug., Sept.
Rows 1-31 showing daily measurements.
Summary rows: S.F., Mean, Max., Min., A.F.

Water diverted 16050 A.F.
Acreage reported D-925 (A-1431 O.D.)-5936;
P-262 fr Red Willow-65; Total-6001

DAILY DIVERSIONS OF CANALS--1980
SHORT LINE CANAL from North Platte River--Measured
through rating flume--NW&SE Sec. 25-21-53 W.

Table with columns: Date, Oct., May, June, July, Aug., Sept.
Rows 1-31 showing daily measurements.
Summary rows: S.F., Mean, Max., Min., A.F.

Water diverted 8090 A.F.
Acreage reported D-946-2752

DISCHARGE IN SECOND-FEET OF NINE MILE DRAIN NEAR McGREW
SE&SE Sec. 23-21-53 W.--Water Year Ending September 30, 1980
1.5 miles north from county road Junction with Highway 92, 0.2
mile west, 0.4 mile north, on right bank above county highway bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 282 Cubic Feet per Second at 0750 hrs. on
August 18. Maximum Gage Height, 2.46 Feet at 0750 hrs. on August 18. Minimum Daily
Discharge, 68 Cubic Feet per Second on June 30.

Table with columns: Date, Oct., Nov., Dec., Jan., Feb., Mar., Apr., May, June, July, Aug., Sept.
Rows 1-31 showing monthly measurements.
Summary rows: S.F., Mean, Max., Min., A.F.

Total 89970 Acre-Feet (The records for previous years are provided in the U.S.G.S.
publication "Water Resources Data for Nebraska, 1979")

DAILY DIVERSIONS OF CANALS--1980
CHIMNEY ROCK CANAL from North Platte River--Measured
through rating flume--SE&NE Sec. 1-20-53 W.

Table with columns: Date, Oct., May, June, July, Aug., Sept.
Rows 1-31 showing daily measurements.
Summary rows: S.F., Mean, Max., Min., A.F.

Water diverted 17060 A.F.
Acreage reported D-844,1031-5205; A-2190-47;
Total-5252

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF CLEVELAND DRAIN
NEAR BAYARD--SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-20-52 W.
3 miles south on Highway 26 to junction with
Highway 92 at South Bayard. 2.5 miles west on
Highway 92, turn north, cross railroad tracks,
staff gage on right downstream railroad bridge piling
Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	1	9	8	2	21
2	2	10	4	2	18
3	2	7	8	2	16
4	2	8	7	2	19
5	2	3	6	1	18
6	2	8	5	3	17
7	2	7	5	2	16
8	2	8	19	2	15
9	2	10	11	2	16
10	2	10	7	2	14
11	2	11	2	3	14
12	2	10	10	3	16
13	2	13	10	3	14
14	3	12	9	4	15
15	2	12	9	4	16
16	2	13	9	7	20
17	2	15	8	7	20
18	2	17	8	7	19
19	2	11	8	8	19
20	4	12	8	8	20
21	4	10	9	9	20
22	7	9	9	15	20
23	3	8	8	14	17
24	3	6	8	16	16
25	2	7	10	19	18
26	1	4	15	18	20
27	6	10	20	14	22
28	4	9	26	22	23
29	5	10	18	19	20
30	7	11	19	21	21
31	7	--	10	21	--
S. F.	91	290	313	262	540
Mean	3	10	10	8	18
Max.	7	17	26	22	23
Min.	1	3	2	1	14
A. F.	180	580	620	520	1070

DAILY DIVERSIONS OF CANALS--1980

CHIMNEY ROCK CANAL
Summary in Acre-feet--1980

Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	1350	1270	2850	3700	3680	2730	15580
Storage.....	0	0	0	660	820	0	1480
Totals.....	1350	1270	2850	4360	4500	2730	17060

Storage orders - July 9-Sept. 1 for 20 cfs

Water diverted 17060 A.F.
Natural 15580 A.F.
Storage 1480 A.F.

DISCHARGE IN SECOND-FEET OF BAYARD SUGAR FACTORY DRAIN NEAR BAYARD
SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-20-52 W.--Water Year Ending September 30, 1980
0.9 mile south of Burlington-Northern depot on Highway 26, 0.5 mile
west on canal bank road, on right bank 5 feet above concrete flume.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 162 Cubic Feet per Second at 1410 hrs. on
September 28. Maximum Gage Height, 2.58 Feet at 1410 hrs. on September 28. Minimum
Daily Discharge, 2.0 Cubic Feet per Second on May 14.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	31	28	20	20	22	26	18	20	13	62	66
2	33	31	26	20	20	22	26	8.1	17	11	62	65
3	33	30	27	20	20	22	26	7.5	11	18	57	64
4	31	30	29	20	20	22	26	7.5	11	28	55	59
5	30	30	29	20	21	22	26	7.8	11	27	57	52
6	28	29	30	18	20	22	24	7.8	21	27	56	50
7	34	29	30	20	20	22	22	7.2	30	25	54	45
8	33	29	27	20	17	22	22	6.6	16	44	54	43
9	28	28	27	20	18	26	24	5.6	16	39	63	43
10	26	28	27	20	19	24	23	6.2	15	36	65	45
11	25	28	24	20	22	24	24	7.2	14	84	65	45
12	29	28	23	20	22	22	23	9.5	13	86	74	43
13	28	28	24	25	21	23	22	5.6	9.2	80	70	39
14	28	28	24	22	20	23	22	2.0	10	76	71	39
15	28	28	24	22	20	22	22	2.8	12	74	78	38
16	29	28	22	20	20	22	22	3.7	17	68	78	38
17	29	28	23	21	20	22	21	4.0	15	63	75	41
18	29	28	24	20	20	25	22	3.4	11	63	74	43
19	28	28	24	20	27	26	22	4.0	18	65	71	45
20	28	27	22	20	30	25	22	2.6	23	66	72	46
21	36	28	22	19	64	24	22	6.2	20	66	72	46
22	31	29	23	18	33	22	22	5.6	13	67	70	46
23	30	28	23	19	26	22	22	8.1	14	66	69	42
24	29	30	22	20	25	21	20	9.9	16	65	69	42
25	28	30	22	18	24	21	20	8.5	16	65	68	42
26	28	30	22	20	24	22	20	8.1	16	67	68	42
27	27	28	22	19	24	22	20	9.9	15	64	68	48
28	27	22	22	19	24	24	24	11	14	64	66	62
29	34	27	21	18	22	24	42	34	18	65	64	66
30	35	27	20	20	--	24	36	29	18	62	64	66
31	33	--	20	19	--	24	--	20	--	62	65	--
S. F.	928	853	753	617	683	710	715	277	470	1706	2056	1451
Mean	30	28	24	20	24	23	24	8.9	16	55	66	48
Max.	36	31	30	21	64	26	42	34	30	86	78	66
Min.	25	22	20	18	17	21	20	2.0	9.2	11	54	38
A. F.	1840	1690	1490	1220	1350	1410	1420	550	930	3380	4080	2880

Total 22240 Acre-Feet (The records for previous years are provided in the U.S.G.S. publication "Water Resources Data for Nebraska, 1979")

DAILY DIVERSIONS OF CANALS--1980
ALLIANCE CANAL from Bayard Sugar Factory Drain
Measured through Parshall flume--SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-20-52 W.
Near Bayard, .8 mile south on Highway 26, .2 mile west,
.2 mile south, .3 mile west, on right bank.

Date	May	June	July	Aug.	Sept.
1	16	43	25	8	18
2	35	38	23	8	18
3	34	35	28	8	19
4	32	35	37	8	16
5	32	35	38	7	23
6	32	42	38	7	28
7	32	54	38	7	31
8	31	40	48	7	29
9	30	39	45	9	26
10	31	37	39	16	30
11	32	36	29	26	32
12	34	34	14	15	30
13	31	31	12	10	26
14	26	33	10	9	26
15	28	33	5	9	24
16	28	37	4	12	24
17	28	38	9	11	30
18	28	31	10	10	31
19	28	34	12	9	32
20	27	38	13	8	34
21	31	34	15	7	32
22	31	31	18	6	34
23	32	31	17	6	32
24	32	32	18	6	32
25	30	34	21	5	32
26	30	30	25	4	34
27	32	27	22	10	37
28	34	26	19	13	21
29	47	32	19	13	0
30	47	32	12	13	0
31	44	--	9	16	--
S. F.	985	1052	672	303	781
Mean	32	35	22	10	26
Max.	47	54	48	26	37
Min.	16	26	4	4	0
A. F.	1950	2090	1330	600	1550

Water diverted 7520 A.F.
Acreage reported D-874,1035-(A-1776 O.D.)-2121

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF RED WILLOW CREEK NEAR BAYARD
NE&NE& Sec. 13-20-52 W.--Water Year Ending September 30, 1980
0.5 mile south of Burlington-Northern depot on Highway 26, 3.6 miles east,
2 miles south, on left bank 75 feet downstream from wooden bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 900 Cubic Feet per Second at 2300 hrs. on
June 6. Maximum Gage Height, 5.62 Feet at 2300 hrs. on June 6. Minimum Daily Discharge,
51 Cubic Feet per Second on May 5 through May 8.

Table with columns: Date, Oct., Nov., Dec., Jan., Feb., Mar., Apr., May, June, July, Aug., Sept. containing daily discharge data for Red Willow Creek.

Total 82670 Acre-Feet (The records for previous years are provided in the U.S.G.S. publication "Water Resources Data for Nebraska, 1979")

DAILY DIVERSIONS OF CANALS--1980
ALLIANCE CANAL from Red Willow Creek--Measured
through rating flume--NW&SW& Sec. 6-20-51 W.
Nr. Bayard. 6/10 mile south on Hway 26, 3.7 miles
east, 7/10 mile south, 1/10 mile east, on right bank

Table with columns: Date, Oct., May, June, July, Aug., Sept. containing daily diversion data for Alliance Canal.

Water diverted 11070 A.F.
Acreage reported D-874,1035(A-1429 O.D.)-4022;
A-1181-79; A-1432-79; A-1436-17; Total-4197

DAILY DIVERSIONS OF CANALS--1980
NORTHPORT CANAL from North Platte River--
Measured through section of Tri-State Canal
SW&SW& Sec. 14-21-51 W.
Nr. Bayard. 4 miles north on Hway 26, 7.4
miles east on State Link 62A, 3.1 miles south
on county road, 1.5 miles west on ditch road

Table with columns: Date, May, June, July, Aug., Sept. containing daily diversion data for Northport Canal.

DAILY DIVERSIONS OF CANALS--1980

ALLIANCE IRRIGATION DISTRICT
Summary in Acre-feet--1980

Table with columns: May, June, July, Aug., Sept., Totals. Rows include: Diverted from: Bayard Drain, Red Willow, Total, and Total water diverted 18590 A.F.

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
NORTHPORT CANAL from Drains
entering Tri-State Canal

Date	May	June	July	Aug.	Sept.
1	19	122	140	196	213
2	18	128	142	195	217
3	18	124	149	192	213
4	18	123	154	194	210
5	18	128	151	185	207
6	18	132	150	184	207
7	18	133	149	184	206
8	19	134	157	188	200
9	20	132	154	194	203
10	20	130	155	198	206
11	23	126	162	195	206
12	26	123	165	194	209
13	25	122	173	190	207
14	24	118	175	193	206
15	27	116	178	206	208
16	27	120	179	202	208
17	27	117	175	197	213
18	27	116	175	202	210
19	81	118	180	203	214
20	124	121	189	197	223
21	124	124	188	197	216
22	123	133	190	196	216
23	134	136	190	196	217
24	155	133	195	199	220
25	128	135	200	202	94
26	125	136	197	204	55
27	127	137	206	206	47
28	125	144	199	207	46
29	121	142	197	209	44
30	110	144	196	208	43
31	120	---	195	210	---
S. F.	1597	3847	5405	6123	5341
Mean	52	128	174	198	178
Max.	155	144	206	210	223
Min.	81	116	140	184	44
A. F.	3170	7630	10720	12140	10590

Water diverted 44250 A.F.

DAILY DIVERSIONS OF CANALS--1980
NORTHPORT DIVERSIONS FOR NORTHPORT IRRIGATION DISTRICT
Summary in Acre-feet--1980

Diverted from:	Section Township Range	May	June	July	Aug.	Sept.	Totals
*Sheep Creek.....	17-23-57	1710	3870	4730	5720	4820	20850
*Akers Draw.....	12-23-57	240	510	710	910	810	3180
*Tub Springs.....	27-33-55	380	1510	2870	2550	1830	9140
*Dry Spottedtail Creek.....	9-23-56	330	820	1500	1580	1290	5520
*Wet Spottedtail Creek.....	10-23-56	510	920	920	1400	1840	5590
*Moffat Drain.....	25-22-53	0	0	0	0	0	0
*Alliance Drain.....	18-22-53	0	0	0	0	0	0
Totals.....		5270	13110	23270	23040	14670	79360

Water diverted 79360 A.F.
Acreage reported A-768-16105
Pathfinder storage included

*The water from drains was originally diverted at Whalen from the North Platte River and carried through the Interstate Canal for lands within the Pathfinder Irrigation District. The residue of the Whalen diversion after it has been used on the Pathfinder District lands together with surface runoff is intercepted by the Tri-State Canal and conveyed for re-use on Northport Irrigation District's lands. United States v Tilley, State Engineer of Nebraska, et al., No. 11587, United States Circuit Court of Appeals, Eighth Circuit, December 23, 1941.

DAILY DIVERSIONS OF CANALS--1980
BELMONT CANAL from North Platte River--Measured
through 15-foot Parshall flume--SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-20-51 W.
Nr. Bridgeport. 7.3 miles west on Hiway 26, 6/10 mile
north, 4/10 mile east, 3/10 mile south, on right bank

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	86	0	30	77	109	120	108
2	76	0	29	70	101	121	107
3	70	0	28	69	123	123	104
4	72	0	25	74	128	123	102
5	21	0	24	74	132	123	102
6	0	0	36	69	135	121	102
7	0	0	64	76	142	120	104
8	0	0	64	100	142	124	104
9	0	0	54	101	139	128	101
10	0	0	45	101	133	126	99
11	0	0	45	102	139	128	96
12	0	0	36	99	135	128	92
13	0	0	30	96	135	123	96
14	0	0	30	97	135	120	90
15	0	0	38	101	139	123	86
16	0	0	40	101	135	126	86
17	0	0	45	105	133	113	86
18	0	0	45	101	133	108	85
19	0	0	45	99	131	113	86
20	0	0	42	99	131	114	86
21	0	0	40	99	133	114	90
22	0	0	41	100	134	114	92
23	0	0	52	99	131	114	91
24	0	0	67	90	133	115	88
25	0	0	67	90	133	117	86
26	0	0	56	99	124	115	87
27	0	0	52	105	124	115	86
28	0	0	53	101	123	111	90
29	0	0	52	101	121	111	88
30	0	18	62	107	126	111	86
31	0	---	90	---	120	112	---
S. F.	325	18	1427	2802	4032	3674	2806
Mean	10	1	46	93	130	119	94
Max.	86	18	90	107	142	128	108
Min.	0	0	24	69	101	108	85
A. F.	640	40	2830	5560	8000	7290	5570

Water diverted 29930 A.F.
Acreage reported D-828-9095

DAILY DIVERSIONS OF CANALS--1980
EMPIRE CANAL from North Platte River via Belmont
Canal--Measured through 4-foot Parshall flume
SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 20-20-51 W.
Nr. Bridgeport. 7.3 miles west on Hiway 26, 6/10
mile north, 4/10 mile east, 1/10 mile north, 2/10
mile east, on left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	24	0	34	36	27	25
2	24	0	28	31	27	25
3	35	0	30	34	27	25
4	36	0	32	34	28	25
5	11	0	32	31	28	25
6	0	0	35	28	27	20
7	0	0	35	28	27	16
8	0	0	30	30	28	16
9	0	0	30	29	28	15
10	0	0	30	28	29	15
11	0	0	31	28	23	14
12	0	7	31	28	17	14
13	0	9	30	28	16	14
14	0	9	30	28	15	13
15	0	18	31	26	15	12
16	0	20	31	18	15	12
17	0	24	32	18	12	12
18	0	25	31	17	12	12
19	0	24	31	16	11	12
20	0	22	31	16	11	12
21	0	21	31	16	12	13
22	0	22	31	14	12	14
23	0	26	31	13	12	14
24	0	31	28	12	12	13
25	0	43	28	12	11	12
26	0	32	38	11	14	13
27	0	23	35	11	15	13
28	0	23	35	12	20	13
29	0	21	35	15	20	10
30	0	26	35	16	25	8
31	0	47	---	23	25	---
S. F.	130	473	952	687	601	457
Mean	4	15	32	22	19	15
Max.	36	47	38	36	29	25
Min.	0	0	28	11	11	8
A. F.	260	940	1890	1360	1190	910

Water diverted 6550 A.F.
Acreage reported D-858-2116; A-866-75;
Total--2191

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF INDIAN CREEK
NEAR NORTHPORT--NE&SE $\frac{1}{4}$ Sec. 19-20-50 W.
1.2 miles northwest on Hwy 385 to county
road, 4/10 mile south, 8/10 mile west,
on railroad bridge
Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	6	32	21	20	39
2	6	24	18	19	38
3	6	29	18	18	38
4	6	32	14	20	30
5	5	34	11	33	34
6	5	36	8	34	34
7	5	25	4	34	32
8	5	14	29	28	31
9	5	11	43	27	27
10	5	12	40	26	30
11	5	30	73	22	33
12	5	26	56	21	36
13	5	29	40	18	34
14	5	27	24	36	32
15	36	25	14	40	32
16	28	24	17	44	34
17	24	28	13	48	38
18	20	25	48	52	34
19	29	25	44	36	32
20	8	25	40	28	32
21	31	23	58	30	32
22	16	21	44	26	34
23	20	21	32	34	30
24	20	19	26	42	26
25	21	22	29	40	24
26	24	22	35	42	31
27	26	21	41	48	30
28	11	18	51	25	28
29	10	15	37	25	24
30	11	14	40	33	19
30	22	--	34	40	--
S.F.	431	709	1002	989	948
Mean	14	24	32	32	32
Max.	36	36	73	52	39
Min.	5	11	4	18	19
A.F.	850	1410	1990	1960	1880

DISCHARGE IN SECOND-FEET OF DUGOUT CREEK, UPPER NEAR BRIDGEPORT
SE&SE $\frac{1}{4}$ Sec. 20-20-50 W.--Water Year Ending September 30, 1980
1 mile north on Highway 26, 7.10 miles northwest on Highway 385.
Shelter house on left bank upstream from bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 127 Cubic Feet per Second at 2300 hrs. on July 10. Maximum Gage Height, 2.15 Feet at 2300 hrs. on July 10. Minimum Daily Discharge 3.2 Cubic Feet per Second on April 16, and April 24 through April 26.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	12	8.5	7.0	5.6	6.5	4.1	4.1	4.1	15	21	55
2	12	11	8.5	7.0	5.6	5.5	4.1	4.1	4.7	14	21	58
3	12	11	8.5	7.0	5.6	5.6	4.1	4.1	4.7	14	22	48
4	12	11	8.5	7.0	5.6	5.6	4.1	4.1	4.6	15	15	48
5	12	11	9.0	7.0	5.6	5.6	4.1	4.1	4.4	17	8.5	33
6	12	11	9.0	7.0	5.6	5.6	4.1	4.6	4.2	16	7.0	24
7	12	11	9.0	7.0	5.6	5.6	4.1	4.6	4.7	12	12	23
8	11	10	8.5	6.8	5.6	5.6	3.7	4.6	4.5	18	17	22
9	11	10	7.9	6.5	5.4	5.6	3.7	5.6	5.4	9.0	19	22
10	11	10	7.9	6.5	4.6	5.6	3.7	5.6	4.3	31	23	23
11	12	10	7.9	6.5	4.8	5.6	3.7	6.0	3.9	32	25	28
12	12	10	7.4	6.5	5.0	5.6	3.7	6.0	3.5	29	25	31
13	12	10	7.4	7.0	5.1	5.1	3.7	5.1	3.6	29	15	30
14	12	9.0	7.9	7.0	5.1	5.1	3.7	5.1	3.3	36	9.0	30
15	12	9.0	7.9	7.0	5.1	5.1	3.7	6.0	3.0	28	10	26
16	12	9.0	7.9	6.5	5.0	5.1	3.2	6.0	3.0	29	14	25
17	12	9.0	7.4	6.5	5.5	5.1	3.7	5.6	3.5	22	18	22
18	12	9.0	7.4	6.5	6.0	5.6	3.7	5.6	3.0	8.5	21	18
19	12	9.0	7.4	6.5	8.7	5.1	3.7	12	24	8.5	24	17
20	12	9.0	7.4	6.5	9.6	4.6	3.7	68	27	12	26	19
21	14	6.9	7.4	7.0	16	4.1	3.7	59	30	23	26	20
22	12	8.5	7.4	7.0	7.9	4.6	3.7	50	25	26	19	22
23	12	10	7.4	6.5	7.0	4.6	3.7	35	25	24	11	21
24	12	9.0	7.4	7.0	7.0	4.1	3.2	31	21	25	11	20
25	11	9.0	7.4	7.4	6.5	4.1	3.2	43	25	29	17	19
26	11	8.5	7.4	7.0	6.5	4.1	3.2	48	31	22	24	19
27	11	8.5	7.4	6.5	6.5	4.1	3.7	25	12	11	25	20
28	11	8.5	7.4	6.0	6.5	4.1	3.7	12	11	11	29	20
29	13	8.5	7.4	5.8	6.5	5.1	3.7	18	14	15	35	19
30	12	8.5	7.0	5.8	---	5.1	4.1	27	40	17	38	12
31	12	---	7.0	5.6	---	4.1	---	29	---	19	40	--
S.F.	368	286.9	241.9	206.9	185.1	156.9	112.2	547.9	1009	617.0	627.5	794
Mean	11.9	9.6	7.8	6.7	6.4	5.1	3.7	17.7	33.6	19.9	20.2	26.5
Max.	14	12	9.0	7.4	16	6.5	4.1	68	54	36	40	58
Min.	11	6.9	7.0	5.6	4.6	4.1	3.2	4.1	11	8.5	7.0	12
A.F.	730	570	480	410	370	310	220	1090	2000	1220	1240	1570
Total	10210											

Acres-foot

DAILY DIVERSIONS OF CANALS--1980
BROWNS CREEK CANAL from North Platte River--Measured
through Parshall flume--NW&SW $\frac{1}{4}$ Sec. 28-20-50 W.
Nr. Bridgeport, 6/10 mile north, 4/10 mile east,
right bank of canal

Date	Oct.	May	June	July	Aug.	Sept.
1	26	0	37	68	79	17
2	26	0	37	71	80	17
3	26	0	40	74	76	21
4	27	0	48	80	72	24
5	27	0	54	82	76	24
6	28	0	63	88	79	30
7	28	0	58	90	85	30
8	28	0	60	91	89	28
9	24	0	61	95	92	26
10	20	0	59	84	90	23
11	0	0	54	62	88	21
12	0	0	32	68	84	14
13	0	0	32	71	79	11
14	0	0	33	71	79	11
15	0	0	33	73	79	11
16	0	0	24	74	78	10
17	0	0	1	75	76	11
18	0	0	1	80	74	13
19	0	1	1	81	74	16
20	0	2	3	79	74	18
21	0	4	10	79	68	22
22	0	7	10	77	61	24
23	0	13	19	79	50	25
24	0	16	28	79	46	24
25	0	21	32	73	44	24
26	0	19	42	56	40	27
27	0	25	48	50	35	30
28	0	28	53	49	29	29
29	0	31	58	58	26	32
30	0	35	61	74	19	35
31	0	36	--	81	17	--
S.F.	260	238	1092	2312	2038	648
Mean	8	8	36	75	66	22
Max.	28	36	63	95	92	35
Min.	0	0	1	49	17	10
A.F.	520	470	2170	4590	4040	1290

Water diverted 13080 A.F.
Acreage reported 0-857, 1033-6126

DAILY DIVERSIONS OF CANALS--1980

BROWNS CREEK CANAL
Summary in Acre-feet--1980

Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	520	470	2170	4560	4020	1290	13030
Storage.....	0	0	0	30	20	0	50
Totals.....	520	470	2170	4590	4040	1290	13080

Storage orders - July 6-August 24 for 18 cfs
Water diverted 13080 A.F.
Natural 13030 A.F.
Storage 50 A.F.

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 COURT HOUSE ROCK CANAL from Pumpkinseed Creek--Measured
 through rating flume--SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 30-19-50 W.
 Nr. Bridgeport. 9 miles south on Hiway 88, trail road on
 east side of road, 1/10 mile northeast, walk to shelter

Date	Oct.	May	June	July	Aug.	Sept.
1	6	0	0	7	2	3
2	6	0	0	7	1	4
3	4	0	0	7	1	4
4	1	0	0	7	2	5
5	1	0	0	8	5	4
6	2	0	5	8	4	5
7	6	0	6	8	7	6
8	6	0	8	9	7	6
9	4	0	8	9	8	6
10	2	0	8	13	7	4
11	2	0	7	22	7	4
12	4	0	9	19	6	4
13	3	0	8	5	7	3
14	2	0	8	0	6	4
15	2	0	9	5	8	4
16	4	0	9	8	7	4
17	2	0	9	5	6	4
18	1	0	8	5	6	4
19	1	0	10	3	5	10
20	1	0	11	0	6	12
21	1	0	11	0	6	12
22	1	0	11	4	6	11
23	1	0	10	3	6	3
24	1	0	8	3	6	3
25	0	0	8	3	6	2
26	0	0	9	3	5	2
27	0	0	10	5	5	3
28	0	0	8	5	5	2
29	1	0	7	5	5	2
30	0	0	7	6	6	3
31	2	0	-	3	5	-
S.F.	67	0	212	195	169	143
Mean	2	0	7	6	5	5
Max.	6	0	11	22	8	12
Min.	0	0	0	0	1	2
A.F.	130	0	420	390	340	280

Water diverted 1560 A.F.
 Acreage reported D-840, 1028-1462; A-851-22;
 A-2315-5; Total-1489

DAILY DIVERSIONS OF CANALS--1980
 LAST CHANCE CANAL from Pumpkinseed Creek--Measured
 through rating flume--SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 27-19-50 W.
 Nr. Bridgeport. 5.4 miles south on Hiway 88 to
 county road junction, 2/10 mile south, 1 $\frac{1}{2}$ miles
 east, through farmyard, 1/4 mile north, 1/8 mile
 west along tree row to creek

Date	Oct.	May	June	July	Aug.	Sept.
1	2	0	0	3	3	0
2	2	0	1	4	3	0
3	2	0	1	4	3	1
4	2	0	1	4	3	1
5	2	0	1	4	3	1
6	2	0	0	4	2	1
7	2	0	0	4	2	1
8	2	0	0	4	1	2
9	2	0	0	3	0	2
10	2	0	0	4	0	2
11	2	0	0	5	0	2
12	1	0	0	4	0	2
13	0	0	0	4	0	2
14	0	0	0	6	0	2
15	0	0	0	6	0	2
16	0	0	0	5	0	2
17	0	0	0	4	0	2
18	0	0	0	4	0	2
19	0	0	0	4	1	2
20	0	0	0	4	1	2
21	0	0	0	5	1	2
22	0	0	0	5	0	2
23	0	0	0	4	0	2
24	0	0	0	4	0	3
25	0	0	0	4	1	3
26	0	0	0	3	1	3
27	0	0	0	3	0	3
28	0	0	1	3	1	3
29	0	0	2	3	1	3
30	0	0	3	3	0	3
31	0	0	-	3	0	-
S.F.	23	0	10	124	27	58
Mean	1	0	0	4	1	2
Max.	2	0	3	6	3	3
Min.	0	0	0	3	0	0
A.F.	50	0	20	250	50	120

Water diverted 490 A.F.
 Acreage reported D-883-404

DAILY DIVERSIONS OF CANALS--1980
 BELMONT SPILL into Pumpkinseed Creek
 For D-828 lands via Meredith-Ammer Canal--Measured
 through 12-foot weir--SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23-19-50 W.
 Nr. Bridgeport. 4 miles east on Hiway 385. 1 mile
 south on county road, 5/10 mile west, across rail-
 road tracks, 2000 feet, on left bank

Date	May	June	July	Aug.	Sept.
1	4	31	0	0	3
2	10	28	0	0	6
3	10	21	0	0	6
4	9	0	0	0	6
5	8	0	0	0	6
6	7	0	0	0	6
7	38	0	0	0	6
8	40	7	0	0	6
9	38	14	0	0	6
10	30	17	0	0	6
11	30	18	10	0	5
12	27	16	59	0	2
13	18	14	66	0	0
14	14	13	65	0	0
15	20	11	25	0	0
16	23	10	0	0	0
17	30	8	0	0	0
18	31	7	0	0	0
19	29	13	0	0	0
20	27	26	0	0	0
21	23	25	0	0	0
22	21	25	0	0	0
23	21	22	0	0	0
24	19	20	0	0	5
25	44	18	0	0	5
26	36	2	0	0	2
27	33	0	0	0	3
28	32	0	0	0	4
29	31	0	0	0	3
30	30	0	0	0	6
31	8	-	0	0	-
S.F.	741	366	225	0	92
Mean	24	12	7	0	3
Max.	44	31	66	0	6
Min.	4	0	0	0	0
A.F.	1470	730	450	0	180

Water spilled 2830 A.F.

DAILY DIVERSIONS OF CANALS--1980
 MEREDITH-AMMER CANAL from Pumpkinseed Creek--Measured
 through rating flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23-19-50 W.
 Nr. Bridgeport. 3.9 miles east on Hiway 385,
 1 mile south on county road, 1/10 mile west

Date	May	June	July	Aug.	Sept.
1	0	0	7	4	0
2	0	0	6	4	0
3	0	0	6	4	0
4	0	0	6	4	0
5	0	0	6	4	0
6	0	0	5	4	0
7	0	0	5	4	0
8	0	0	5	4	0
9	0	0	5	4	0
10	0	0	5	4	0
11	0	0	6	5	0
12	0	0	5	5	0
13	0	0	5	4	0
14	0	0	5	4	0
15	0	0	5	5	0
16	0	0	5	5	0
17	0	0	5	5	0
18	0	0	5	5	0
19	0	0	5	4	0
20	0	0	5	4	0
21	0	0	5	4	0
22	0	0	5	4	0
23	0	0	5	4	0
24	0	0	5	4	0
25	0	3	5	4	0
26	0	4	5	3	0
27	0	5	5	4	0
28	0	6	5	2	0
29	0	6	5	0	0
30	0	6	5	0	0
31	0	-	5	0	-
S.F.	0	30	162	115	0
Mean	0	1	5	4	0
Max.	0	6	7	5	0
Min.	0	0	5	0	0
A.F.	0	60	320	230	0

Water diverted 610 A.F.
 Acreage reported D-876-336

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF SILVERNAIL DRAIN NEAR BRIDGEPORT
SE 1/4 SW 1/4 Sec. 6-19-49 W.--Water Year Ending September 30, 1980
5 miles east on Highway 26, turn south on west bank of drain,
cross railroad tracks, shelter house on right bank

DAILY DIVERSIONS OF CANALS--1980
BEERLINE CANAL from North Platte River--Measured
through rating flume--NW 1/4 Sec. 24-19-49 W.
Nr. Broadwater. 3 1/2 miles west on Hwy 26, 1/10
mile south, 4/10 mile east, 1/10 mile south

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 264 Cubic Feet per Second at 2310 hrs. on
June 11. Maximum Gage Height, 4.71 Feet at 2310 hrs. on June 11. Minimum Daily Discharge,
3.0 Cubic Feet per Second on June 19 and June 28.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.5	7.1	7.1	6.8	5.9	5.7	5.7	4.6	32	9.6	15	41
2	7.8	6.6	7.3	6.6	6.1	5.7	5.7	4.1	30	6.8	16	34
3	8.0	6.6	7.3	6.6	5.9	5.7	5.7	3.9	29	7.8	15	30
4	7.8	7.1	7.5	6.6	5.9	5.9	5.7	3.9	31	7.8	18	27
5	7.5	7.1	7.8	6.6	5.9	5.7	5.7	3.9	32	10	12	24
6	7.5	7.3	7.8	7.1	5.7	5.4	5.2	4.1	26	20	15	17
7	7.5	7.3	7.8	7.5	5.4	5.2	4.6	3.9	28	17	13	19
8	8.0	7.1	7.8	7.8	5.4	5.2	5.3	3.9	27	16	8.8	12
9	8.3	6.8	7.8	8.0	5.4	5.2	5.2	3.9	35	12	8.0	17
10	8.5	6.8	7.8	8.0	5.2	5.2	5.2	3.9	30	19	12	18
11	7.3	6.8	7.8	7.0	5.2	5.4	5.2	4.3	40	14	16	23
12	7.3	6.8	7.8	6.8	5.2	5.7	5.2	4.3	34	15	20	29
13	7.3	7.3	7.8	6.6	5.2	5.4	5.2	4.1	28	18	19	29
14	7.3	7.3	7.8	6.6	5.2	5.7	5.2	4.1	32	21	15	31
15	7.3	7.3	7.3	6.6	5.0	5.2	5.2	4.3	32	25	23	35
16	7.3	7.1	6.8	6.3	5.0	5.2	5.2	4.3	34	18	19	32
17	7.3	7.1	7.1	6.1	4.8	5.1	5.2	4.1	34	20	11	36
18	7.3	7.1	6.6	5.9	4.8	5.2	4.8	4.1	30	14	11	38
19	7.3	7.1	6.6	6.1	6.2	5.2	4.8	4.1	35	18	14	37
20	7.5	7.0	6.6	5.9	7.3	5.2	4.8	9.3	39	17	22	36
21	7.8	7.2	6.1	5.9	11	5.0	4.8	37	44	15	23	36
22	7.1	7.5	6.1	6.1	6.3	4.8	4.6	31	41	11	24	33
23	7.1	7.3	6.1	6.1	5.7	4.6	4.8	16	41	14	19	29
24	7.1	7.1	6.3	5.9	5.7	4.9	4.6	12	38	19	20	24
25	7.1	7.1	6.1	5.9	5.4	5.0	4.3	18	30	16	13	34
26	7.1	7.1	6.8	5.9	5.2	5.0	4.3	27	12	17	9.6	30
27	7.1	7.1	7.1	6.1	5.2	5.0	4.6	21	3.5	13	13	28
28	7.1	7.0	6.8	6.1	5.2	5.2	4.3	20	3.0	15	24	18
29	7.1	7.0	6.8	6.1	5.7	5.0	4.3	23	3.0	16	44	12
30	6.8	7.1	6.8	6.1	---	5.2	4.6	22	18	12	41	7.1
31	7.1	---	6.8	5.9	---	5.4	---	30	---	8.8	43	---
S.F.	230.1	212.2	220.0	201.6	166.1	163.3	150.0	344.1	871.5	462.8	576.4	816.1
Mean	7.4	7.1	7.1	6.5	5.7	5.3	5.0	11.1	29.0	14.9	18.6	27.2
Max.	8.5	7.5	7.8	8.0	11	5.9	5.7	37	44	25	44	41
Min.	6.8	6.6	6.1	5.9	4.8	4.6	4.3	3.9	3.0	6.8	8.0	7.1
A.F.	460	420	440	400	330	320	300	680	1730	920	1140	1620
Total	8760 Acre-Feet											

Date	May	June	July	Aug.	Sept.
1	0	10	12	7	4
2	0	14	12	5	4
3	0	12	15	8	4
4	0	11	18	7	4
5	0	11	21	9	4
6	0	10	18	7	4
7	0	12	16	4	3
8	0	10	20	6	3
9	0	10	21	10	3
10	0	11	18	12	3
11	0	12	29	13	3
12	0	8	26	14	3
13	0	2	24	13	3
14	0	2	23	12	3
15	0	1	24	12	3
16	0	2	18	15	3
17	0	3	16	18	3
18	0	2	14	18	3
19	0	3	13	18	3
20	0	4	12	16	2
21	0	5	14	13	2
22	0	5	15	12	2
23	0	5	13	12	3
24	0	3	11	12	3
25	0	2	11	12	3
26	0	1	15	10	3
27	0	0	16	8	3
28	8	0	13	8	4
29	15	0	9	8	4
30	13	5	8	9	4
31	9	-	7	8	-
S.F.	45	176	502	334	96
Mean	1	6	16	11	3
Max.	15	14	29	18	4
Min.	0	0	7	4	2
A.F.	90	350	1000	660	190
Water diverted 2290 A.F.					
Acreage reported D-887-2080					

DAILY DIVERSIONS OF CANALS--1980
BELMONT CANAL from Cedar Creek--Measured
through rating flume--NE 1/4 SW 1/4 Sec. 23-18-48 W.
Nr. Broadwater. 1.1 miles south on Hwy 92
to junction, 5 miles south on county road,
2.5 miles west to right bank, 9/10 mile south

Date	Oct.	May	June	July	Aug.	Sept.
1	8	0	0	5	4	6
2	8	0	0	5	5	6
3	8	0	0	4	5	6
4	8	0	0	4	5	6
5	3	0	0	4	5	6
6	0	0	0	4	5	6
7	0	0	0	4	5	6
8	0	0	0	4	5	5
9	0	0	0	4	6	4
10	0	0	0	4	6	2
11	0	0	0	5	6	2
12	0	0	0	5	6	2
13	0	0	0	6	6	2
14	0	0	0	6	6	2
15	0	0	0	7	7	2
16	0	0	0	7	7	2
17	0	0	0	7	7	2
18	0	0	0	6	7	2
19	0	0	0	4	7	2
20	0	0	0	5	6	1
21	0	0	0	5	6	0
22	0	0	0	5	6	0
23	0	0	0	4	6	0
24	0	0	0	5	6	0
25	0	0	0	6	6	0
26	0	0	0	6	7	0
27	0	0	2	6	7	0
28	0	0	5	6	7	0
29	0	0	4	8	7	0
30	0	0	4	5	7	0
31	0	0	-	4	6	-
S.F.	35	0	15	160	187	72
Mean	1	0	0	5	6	2
Max.	8	0	5	8	7	6
Min.	0	0	0	4	4	0
A.F.	70	0	30	320	370	140
Water diverted 930 A.F.						

DAILY DIVERSIONS OF CANALS--1980

BELMONT CANAL
Summary in Acre-feet--1980

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:								
North Platte River....	640	40	2830	5560	7060	6980	5570	28680
Cedar Creek.....	70	0	0	30	320	370	140	930
Total natural.....	710	40	2830	5590	7380	7350	5710	29610
Total storage.....	0	0	0	0	940	310	0	1250

Storage orders - July 5-July 26 for 20 cfs
July 26-August 16 for 10 cfs

Water diverted 30860 A.F.
Natural 29610 A.F.
Storage 1250 A.F.

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF CEDAR CREEK NEAR BROADWATER
SE 1/4 NE 1/4 Sec. 11-18-48 W.--Water Year Ending September 30, 1980
1.1 miles south on Highway 92 to county road junction, 0.3 mile
south on county road, 3 miles southeast on county road.
Shelter house on right bank downstream from bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 24 Cubic Feet per Second at 0650 hrs. on
June 1. Maximum Gage Height, 3.57 Feet at 1510 hrs. on November 30. Minimum Daily
Discharge, 0.06 Cubic Feet per Second on August 7.

Table with columns: Date, Oct., Nov., Dec., Jan., Feb., Mar., Apr., May, June, July, Aug., Sept. containing daily discharge data for Cedar Creek near Broadwater.

DAILY DIVERSIONS OF CANALS--1980
LISCO CANAL from North Platte River--Measured
over weir--NW 1/4 NE 1/4 Sec. 24-18-47 W.
Nr. Lisco. 2.6 miles west on Hwy 26, 5/10
mile south, 3/10 mile east on right canal bank

Table with columns: Date, Oct., May, June, July, Aug., Sept. containing daily diversion data for Lisco Canal.

DISCHARGE IN SECOND-FEET OF COLD WATER CREEK
NEAR LISCO--NE 1/4 NE 1/4 Sec. 34-18-46 W.
6/10 mile east on Hwy 26, on downstream end
of bridge
Water Year Ending September 30, 1980

Table with columns: Date, May, June, July, Aug., Sept. containing daily discharge data for Cold Water Creek near Lisco.

DAILY DIVERSIONS OF CANALS--1980
MIDLAND-OVERLAND CANAL from North Platte River--Measured
through Parshall flume--NE 1/4 SE 1/4 Sec. 2-16-44 W.
Nr. Oshkosh. 1/5 mile east on Hwy 26 to farm road, 3/10
mile west, 5/10 mile south, 4/10 mile southwest, 1/10 mile
east

Table with columns: Date, Oct., May, June, July, Aug., Sept. containing daily diversion data for Midland-Overland Canal.

NORTH PLATTE RIVER BASIN

CRESCENT LAKE STORAGE IN ACRE-FEET

Head of Blue Creek--NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 21-20-44W. Proceed 11.8 miles north from Oshkosh on the county road. Turn east 8/10 mile then head 9 miles northwest to old structure. The measurement staff is located 2/10 mile west on structure.

Water Year Ending September 30, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 1, 1979	1087	-253
Nov. 2, 1979	979	-108
Dec. 10, 1979	999	+20
Jan. 3, 1980	700	-299
May 5, 1980	3062	+2362
June 5, 1980	3205	+143
July 3, 1980	3150	-55
Aug. 4, 1980	2350	-800
Sept. 18, 1980	1780	-570
Change in Storage October 1, 1979 through September 18, 1980		+693

DAILY DIVERSIONS OF CANALS--1980
PAISLEY CANAL from Blue Creek--Measured through 4-foot Parshall flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-16-42 W. Nr. Lewellen. 1 mile west on Hiway 26, 3.6 miles north to left canal bank, 5/10 mile north to shelter

Date	Oct.	May	June	July	Aug.	Sept.
1	21	0	0	3	0	18
2	22	0	0	0	0	18
3	22	0	0	0	0	17
4	22	0	0	0	0	17
5	19	0	0	0	0	17
6	8	0	0	0	2	18
7	17	0	0	0	2	17
8	18	0	0	0	3	17
9	12	0	0	0	3	18
10	9	0	7	0	3	18
11	8	0	15	0	5	18
12	10	0	11	0	6	18
13	10	0	20	0	6	18
14	11	0	18	0	6	18
15	11	0	18	0	7	18
16	8	0	21	0	8	18
17	6	0	25	0	9	20
18	8	0	23	0	12	21
19	6	0	23	0	14	23
20	0	0	26	0	19	24
21	0	0	24	0	17	24
22	0	0	24	0	17	24
23	0	0	23	0	17	24
24	0	0	22	0	17	24
25	0	0	20	1	18	24
26	0	0	18	2	19	21
27	0	0	19	2	20	22
28	0	0	19	5	19	22
29	0	0	18	11	19	22
30	0	0	11	9	18	20
31	0	0	--	0	18	--
S.F.	248	0	405	33	305	598
Mean	8	0	14	1	10	20
Max.	22	0	26	11	20	24
Min.	0	0	0	0	0	17
A.F.	490	0	800	70	600	1190

Water diverted 3150 A.F.
Acreage reported D-800-815; A-515-95; A-1738-176; Total-1086

DAILY DIVERSIONS OF CANALS--1980
BLUE CREEK CANAL from Blue Creek and Crescent Lake--Measured through 8-foot Parshall flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-16-42 W. Nr. Lewellen. 1 mile west on Hiway 26, 3.3 miles north, cross canal once, trail road on left bank, 6/10 mile north

Date	Oct.	May	June	July	Aug.	Sept.
1	28	0	0	45	34	20
2	30	0	0	38	35	19
3	26	0	0	38	35	20
4	21	0	0	41	35	22
5	18	0	0	43	35	18
6	32	0	0	43	35	14
7	26	0	0	37	34	14
8	23	0	0	42	31	14
9	18	0	0	37	35	14
10	13	0	0	35	35	17
11	6	0	5	35	35	16
12	6	0	10	33	29	15
13	3	0	4	33	33	15
14	0	0	4	34	33	15
15	0	0	7	34	34	16
16	0	0	11	35	29	19
17	0	0	17	34	25	28
18	0	0	12	35	18	24
19	0	0	14	35	17	23
20	0	0	16	35	20	20
21	0	0	12	35	19	15
22	0	0	11	35	18	14
23	0	0	13	31	17	14
24	0	0	24	34	17	14
25	0	0	27	39	18	14
26	0	0	29	36	23	12
27	0	0	35	36	26	13
28	0	0	37	39	26	16
29	0	0	36	39	26	17
30	0	0	42	38	23	18
31	0	0	--	34	20	--
S.F.	250	0	366	1138	850	510
Mean	8	0	12	37	27	17
Max.	32	0	42	45	35	28
Min.	0	0	0	31	17	12
A.F.	500	0	730	2260	1690	1010

Water diverted 6190 A.F.
Acreage reported D-785-2449; D-795-355; A-1154-30; Total-2834

DAILY DIVERSIONS OF CANALS--1980
HOOPER CANAL from Blue Creek--Measured through 3-foot Parshall flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-16-42 W. Nr. Lewellen. 1 mile west on Hiway 26, 3.4 miles north 4/10 mile south on trail road, south and west

Date	Oct.	May	June	July	Aug.	Sept.
1	6	0	0	13	8	9
2	6	0	0	15	9	7
3	8	0	0	14	11	8
4	10	0	0	12	9	9
5	10	0	0	12	7	9
6	7	0	0	12	9	9
7	6	0	6	13	9	7
8	8	0	10	13	10	7
9	10	0	11	13	9	7
10	10	0	8	13	9	7
11	9	0	5	12	9	7
12	9	0	0	11	9	6
13	10	0	0	11	9	7
14	11	0	0	11	9	7
15	11	0	0	11	10	6
16	11	0	1	11	10	0
17	6	0	3	11	9	0
18	0	0	3	12	7	0
19	0	0	3	11	7	0
20	0	0	4	12	11	0
21	0	0	4	11	10	0
22	0	0	3	11	9	7
23	0	0	4	10	10	13
24	0	0	6	11	8	12
25	0	0	11	11	8	14
26	0	0	13	10	9	16
27	0	0	11	10	11	16
28	0	0	8	9	12	15
29	0	0	9	10	14	15
30	0	0	11	11	15	16
31	0	0	--	10	12	--
S.F.	148	0	134	357	298	236
Mean	5	0	4	12	10	8
Max.	11	0	13	15	15	16
Min.	0	0	0	9	7	0
A.F.	290	0	270	710	590	470

Water diverted 2330 A.F.
Acreage reported D-781R (P-410)-872

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 UNION CANAL from Blue Creek--Measured through
 Parshall flume--NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-16-42 W.
 Nr. Lewellen. 1 mile west on Hiway 26, 6/10 mile
 north, 6/10 mile west, 4/10 mile north through
 farmyard

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		5	0	0	12	18	13					
2		5	0	0	15	17	12					
3		6	0	0	16	17	12					
4		2	0	0	17	17	11					
5		0	0	0	16	17	11					
6		0	0	0	16	16	13					
7		1	0	0	18	15	11					
8		2	0	0	17	16	11					
9		3	0	0	19	16	11					
10		1	0	0	19	15	11					
11		0	0	6	19	11	11					
12		2	0	14	19	21	11					
13		0	0	11	18	22	10					
14		0	0	12	18	20	9					
15		0	0	12	19	19	8					
16		0	0	12	18	20	11					
17		0	0	12	17	14	14					
18		0	0	13	18	15	14					
19		0	0	14	18	14	15					
20		0	0	14	17	10	14					
21		0	0	14	18	7	15					
22		0	0	14	18	6	8					
23		0	0	13	18	7	6					
24		0	0	10	18	7	6					
25		0	0	9	18	8	6					
26		0	0	9	17	10	6					
27		0	0	9	18	11	6					
28		0	0	9	14	7	5					
29		0	0	10	9	11	4					
30		0	0	11	15	10	3					
31		0	0	--	--	18	--					
S. F.	27		228	527	426	298						
Mean	1		8	17	14	10						
Max.	6		14	19	22	15						
Min.	0		0	9	6	3						
A. F.	50		450	1050	840	590						

Water diverted 2980 A.F.
 Acreage reported D-763-1306

DAILY DIVERSIONS OF CANALS--1980
 GRAF CANAL from Blue Creek--Measured
 through Parshall flume--SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19-16-42 W.
 Nr. Lewellen. 1 mile west on Hiway 26, 3/10 mile
 south, 2/10 mile west, through gate on east side
 of ditch, 1/10 mile to shelter

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	0	2	11	14					
2		0	0	0	7	13	16					
3		0	0	10	14	16						
4		0	0	9	14	15						
5		0	0	6	16	15						
6		0	0	5	15	16						
7		0	0	6	14	16						
8		0	0	3	16	16						
9		0	0	5	16	17						
10		0	0	7	16	17						
11		0	0	11	14	17						
12		0	0	12	10	17						
13		0	0	12	9	17						
14		0	0	12	9	17						
15		0	0	12	13	17						
16		0	3	11	17	17						
17		0	6	11	17	16						
18		0	11	12	13	15						
19		0	11	13	13	3						
20		0	12	13	13	0						
21		0	11	12	14	0						
22		0	11	13	15	0						
23		0	11	14	15	5						
24		0	9	13	15	10						
25		0	7	13	15	9						
26		0	6	12	16	9						
27		0	4	12	15	9						
28		0	2	12	15	9						
29		0	1	8	13	10						
30		0	2	3	12	10						
31		0	-	7	13	--						
S. F.	0	107	298	431	365							
Mean	0	4	10	14	12							
Max.	0	12	14	17	17							
Min.	0	0	2	9	0							
A. F.	0	210	590	850	720							

Water diverted 2370 A.F.
 Acreage reported D-763R-85; D-788-689;
 Total--774

DAILY DIVERSIONS OF CANALS--1980
 SUTHERLAND CANAL from North Platte River for Storage and Power
 Measured through concrete lined section of canal NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 7-14-37 W.
 Nr. Keystone. 5.9 miles north of Hiway 30, 1/2 mile west on canal road,
 left side of canal

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	412	345	675	592	791	780	1220	158	1760	1540	1560	1350
2	412	376	682	585	762	780	1290	123	1750	1690	1560	1350
3	387	363	685	586	750	769	1440	81	1720	1760	1560	1350
4	395	315	690	602	747	768	1480	56	1660	1760	1540	1290
5	393	295	662	598	749	769	1560	56	1660	1740	1540	1170
6	396	331	651	618	747	771	1570	0	1680	1740	1550	1080
7	399	398	637	953	756	768	1540	0	1660	1730	1540	991
8	403	411	638	975	768	766	1500	0	1650	1720	1540	1000
9	404	415	642	899	796	764	1550	0	1640	1740	1540	997
10	366	403	640	752	777	749	1610	0	1620	1740	1540	915
11	365	402	640	745	780	756	1730	0	1430	1730	1530	872
12	412	403	645	749	780	762	1780	0	1290	1730	1550	786
13	442	399	646	742	775	744	1780	0	1080	1740	1550	745
14	453	400	646	737	771	750	1760	0	843	1740	1550	750
15	453	398	638	737	780	756	1770	0	827	1740	1550	745
16	460	403	642	699	784	754	1790	0	832	1760	1550	688
17	474	395	578	621	780	737	1860	0	825	1760	1560	690
18	491	399	526	610	777	613	1850	0	840	1750	1550	672
19	488	399	596	619	769	771	1810	82	876	1760	1560	672
20	501	403	610	624	761	787	1820	214	921	1750	1510	667
21	523	422	610	629	766	892	1810	376	919	1760	1520	662
22	509	408	605	640	761	1110	1810	564	919	1740	1540	661
23	448	406	605	619	766	1160	1640	811	924	1720	1540	666
24	394	406	605	611	768	1190	1260	962	1120	1690	1530	662
25	386	406	603	611	761	1170	1040	1140	1200	1660	1540	667
26	389	407	590	650	764	1180	881	1300	1310	1640	1540	672
27	378	415	590	643	757	1170	651	1500	1380	1610	1540	667
28	380	420	592	648	747	1220	504	1660	1370	1590	1520	666
29	380	526	596	642	761	1200	372	1680	1360	1590	1370	669
30	390	594	598	683	---	1170	226	1720	1380	1580	1400	669
31	369	---	594	722	---	1170	---	1740	---	1560	1350	---
S. F.	13052	12063	19357	21141	22251	27746	42904	14223	38446	52760	47320	25441
Mean	421	402	624	682	767	895	1430	459	1282	1702	1526	848
Max.	523	594	690	975	796	1220	1860	1740	1760	1760	1560	1350
Min.	365	295	526	585	747	613	226	0	825	1540	1350	661
A. F.	25890	23930	38390	41930	44130	55030	85100	28210	76260	104650	93860	50460

Water diverted 667840 A.F.

DAILY DIVERSIONS OF CANALS--1980
 KEITH-LINCOLN COUNTY CANAL from North Platte River
 Measured through Parshall flume--NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-14-36 W.
 Nr. Paxton. 9 miles northwest of Hiway 30 on county road,
 1/2 mile north, on right canal bank

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	0	56	91	105	82						
2	52	0	58	95	104	81						
3	51	0	59	96	104	79						
4	51	0	43	97	104	79						
5	51	0	28	95	104	77						
6	50	0	56	96	103	76						
7	50	0	56	97	103	74						
8	49	0	56	99	101	74						
9	49	0	57	101	99	73						
10	49	0	58	96	92	72						
11	47	0	60	100	82	72						
12	15	45	59	102	96	71						
13	0	60	64	104	95	70						
14	0	58	62	110	95	58						
15	0	55	61	110	91	52						
16	0	57	67	111	90	51						
17	0	57	71	110	86	49						
18	0	57	68	110	87	48						
19	0	57	65	107	88	48						
20	0	57	63	104	92	49						

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
SHERIDAN-WILSON CANAL from Sarben Slough--Measured
in section of slough--SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20-14-35 W.
Nr. Paxton. 3 miles north of Hwy 30

Date	May	June	July	Aug.	Sept.
1	5	4	9	4	5
2	5	4	9	4	5
3	5	4	9	4	5
4	5	4	9	4	5
5	5	4	8	4	5
6	5	4	8	4	5
7	5	4	7	4	5
8	5	4	7	4	4
9	5	4	6	4	4
10	5	4	6	4	4
11	5	5	5	4	4
12	5	5	5	4	4
13	5	5	4	4	4
14	6	5	4	4	4
15	6	5	4	4	4
16	6	5	4	5	4
17	6	5	4	5	4
18	6	5	4	5	4
19	6	5	4	5	4
20	6	5	4	5	4
21	6	6	4	6	4
22	6	6	4	6	4
23	6	6	4	6	4
24	6	6	4	6	4
25	6	7	4	6	4
26	5	7	4	6	4
27	5	7	4	6	4
28	5	8	4	6	4
29	5	8	4	6	4
30	5	8	4	6	4
31	5	-	4	6	-
S.F.	167	159	164	151	127
Mean	5	5	5	5	4
Max.	6	8	9	6	5
Min.	5	4	4	4	4
A.F.	330	320	330	300	250

Water diverted 1530 A.F.

DAILY DIVERSIONS OF CANALS--1980
PAXTON-HERSHEY CANAL from North Platte River--Measured
through Parshall flume--SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-14-33 W.
Nr. Sutherland. 1.7 miles north of Hwy 30, 3/4 mile
north of field access road, left bank of canal

Date	Oct.	May	June	July	Aug.	Sept.
1	2	0	28	120	122	56
2	0	0	36	125	115	54
3	0	0	32	129	110	48
4	0	0	25	128	113	47
5	0	0	22	134	118	61
6	0	0	27	133	114	58
7	0	0	24	131	110	55
8	0	0	42	134	105	56
9	0	0	41	132	105	58
10	0	0	33	131	104	58
11	0	0	30	134	99	58
12	0	0	41	134	93	46
13	0	0	46	137	95	32
14	0	0	44	135	98	36
15	0	0	51	134	79	46
16	0	0	52	127	63	38
17	0	0	53	129	64	32
18	0	0	52	130	67	32
19	0	0	29	123	68	33
20	0	0	0	115	61	38
21	0	13	0	110	67	38
22	0	29	0	109	60	37
23	0	28	0	107	67	37
24	0	25	39	108	66	36
25	0	37	61	112	71	38
26	0	43	64	117	71	41
27	0	43	80	112	59	38
28	0	37	91	114	50	21
29	0	36	108	115	56	5
30	0	30	118	117	61	0
31	0	26	---	118	58	---
S.F.	2	347	1269	3834	2589	1233
Mean	0	11	42	124	84	41
Max.	2	43	118	137	122	61
Min.	0	0	0	107	50	0
A.F.	0	690	2520	7600	5140	2450

Water diverted 18400 A.F.
Acreage reported D-653-7323

DAILY DIVERSIONS OF CANALS--1980
NORTH PLATTE CANAL from North Platte River--Measured
through 15-foot Parshall flume--NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13-14-35 W.
Nr. Sutherland. 1.7 miles north of Hwy 30, 1/2 mile
north on field access road, right bank of canal

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	67	0	47	77	318	276	142
2	68	0	42	87	314	270	142
3	67	0	47	68	309	265	140
4	70	0	64	61	313	267	133
5	26	0	67	92	316	249	119
6	0	0	70	89	313	232	119
7	0	0	38	85	314	233	119
8	0	0	103	83	321	252	119
9	0	0	113	80	321	232	120
10	0	0	113	74	318	207	122
11	0	0	112	72	316	200	123
12	0	0	114	79	314	204	122
13	0	0	133	99	309	227	119
14	0	0	131	130	309	235	119
15	0	0	130	155	313	198	118
16	0	0	135	162	309	152	119
17	0	0	135	181	309	133	117
18	0	0	133	181	305	138	114
19	0	0	131	88	302	167	113
20	0	0	138	4	302	164	113
21	0	0	114	4	290	164	113
22	0	0	100	4	290	152	115
23	0	3	94	4	290	167	118
24	0	19	105	54	288	170	119
25	0	20	109	171	292	201	118
26	0	13	109	208	287	174	87
27	0	12	105	225	280	140	4
28	0	12	94	262	292	131	12
29	0	39	88	285	290	135	60
30	0	54	88	316	285	136	0
31	0	---	79	---	276	142	---
S.F.	298	172	3081	3480	9405	6013	3198
Mean	10	6	99	116	303	194	107
Max.	70	54	138	316	321	276	142
Min.	0	0	38	4	276	131	0
A.F.	590	340	6110	6900	18650	11930	6340

Water diverted 50860 A.F.
Acreage reported D-635-14124

DAILY DIVERSIONS OF CANALS--1980
BIRDWOOD CANAL from Birdwood Creek--Measured
through 8-foot Parshall flume--SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-15-33 W.
Nr. Hershey. 4 miles north of Hwy 30, 3/4 miles west,
100 ft north on right canal bank

Date	May	June	July	Aug.	Sept.
1	0	25	37	36	22
2	0	24	39	36	23
3	0	21	40	36	23
4	0	20	42	43	23
5	0	21	43	40	23
6	0	21	43	48	23
7	0	22	45	39	22
8	0	21	44	38	22
9	0	23	42	36	22
10	0	30	43	30	23
11	0	30	39	31	24
12	0	32	43	32	24
13	0	34	24	32	23
14	0	34	24	33	24
15	0	32	26	35	21
16	0	32	31	31	14
17	0	26	34	22	11
18	0	19	29	20	11
19	0	19	34	31	11
20	0	20	38	34	12
21	0	20	42	35	14
22	0	22	42	32	14
23	0	19	38	32	13
24	0	18	37	31	12
25	0	17	25	36	14
26	0	5	25	28	12
27	0	7	32	19	13
28	0	28	43	16	13
29	0	33	24	16	13
30	6	34	30	15	12
31	20	---	25	16	---
S.F.	26	709	1103	959	531
Mean	1	24	36	31	19
Max.	20	34	45	48	24
Min.	0	5	24	15	11
A.F.	50	1410	2190	1900	1050

Water diverted 6600 A.F.
Acreage reported D-646-5287

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 SUBURBAN CANAL from North Platte River--Measured
 through rating flume--NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-14-33 W.
 Nr. Hershey, 2 miles north of Hwy 30, 1 mile west
 on county road, 200 feet north, 100 feet west, left
 side of canal

Date	May	June	July	Aug.	Sept.
1	0	56	87	113	45
2	2	58	101	114	17
3	6	57	112	114	36
4	14	46	114	118	46
5	22	25	113	114	47
6	37	48	117	109	50
7	50	52	114	89	24
8	51	52	116	66	38
9	51	52	118	63	42
10	51	52	120	74	42
11	54	52	119	69	57
12	58	54	119	69	55
13	54	60	121	69	28
14	54	30	119	73	28
15	56	44	121	72	15
16	57	58	122	71	8
17	57	31	122	70	8
18	56	73	122	69	8
19	50	80	113	67	8
20	36	68	111	63	8
21	36	66	104	69	8
22	31	64	106	67	7
23	52	64	103	47	6
24	53	63	94	36	7
25	58	65	97	71	7
26	58	69	90	69	7
27	58	76	86	64	7
28	58	76	76	63	7
29	58	80	71	30	2
30	58	86	89	8	0
31	57	--	109	8	--
S.F.	1393	1757	3326	2198	668
Mean	45	59	107	71	22
Max.	58	86	122	118	57
Min.	0	25	71	8	0
A.F.	2760	3480	6600	4360	1320

Water diverted 18520 A.F.
 Acreage reported D-662-5498

DAILY DIVERSIONS OF CANALS--1980
 CODY-DILLON CANAL from North Platte River
 Measured over weir--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-14-31 W.
 Nr. North Platte, 3 $\frac{1}{4}$ miles west on Hwy 30,
 2 miles north on county road, 1 mile northwest
 on hay meadow road, on right bank

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	8	0	15	6	29	47	7
2	2	0	14	9	28	46	6
3	9	0	12	5	25	47	7
4	10	0	10	0	19	47	11
5	12	0	12	0	25	48	16
6	11	0	14	23	27	50	17
7	10	0	7	14	32	50	16
8	10	0	0	3	36	45	18
9	7	0	0	6	37	38	17
10	7	0	4	10	26	33	17
11	8	0	7	7	26	31	11
12	12	0	5	8	27	32	5
13	13	0	8	12	23	28	3
14	13	0	14	16	27	21	5
15	11	0	12	25	23	15	7
16	10	0	13	27	25	0	8
17	10	0	13	27	26	0	9
18	10	0	6	29	34	0	8
19	10	0	2	35	42	0	9
20	10	0	3	34	44	9	9
21	10	0	5	25	43	22	10
22	11	0	10	10	44	21	8
23	12	0	8	3	46	8	8
24	0	0	9	0	46	0	10
25	0	0	11	20	44	0	5
26	0	0	10	28	43	5	4
27	0	0	12	22	47	16	3
28	0	0	10	10	51	16	2
29	0	0	9	7	46	7	2
30	0	5	7	9	42	13	2
31	0	--	6	--	40	13	--
S.F.	226	5	268	430	1073	707	260
Mean	7	0	9	14	35	23	9
Max.	13	5	15	35	51	50	18
Min.	0	0	0	0	19	0	2
A.F.	450	10	530	850	2130	1400	520

Water diverted 5890 A.F.
 Acreage reported D-649-4782

DISCHARGE IN SECOND-FOOT OF LINCOLN COUNTY DRAIN NO. 1 NEAR NORTH PLATTE
 NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-14-30 W.--Water Year Ending September 30, 1980
 0.8 mile north of Highway 30 on Buffalo Bill Avenue,
 on left bank 10 feet upstream from bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 184 Cubic Feet per Second at 2230 hrs. on
 August 15. Maximum Gage Height, 2.13 Feet at 2230 hrs. on August 15. Minimum Daily
 Discharge, 26 Cubic Feet per Second on January 11, 12 and 31.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	78	45	40	28	31	30	27	58	87	51	104	122
2	86	46	39	28	32	28	27	56	87	48	98	116
3	85	46	39	28	32	29	28	50	79	52	115	111
4	85	45	39	28	32	29	29	62	66	50	115	97
5	81	47	38	28	31	30	32	65	73	50	120	90
6	68	45	38	28	32	30	34	70	74	51	105	106
7	63	45	37	27	33	31	37	58	84	53	95	97
8	61	43	37	27	33	31	39	69	81	59	105	101
9	60	42	37	27	34	32	39	85	77	69	136	98
10	58	41	36	27	34	32	39	80	72	62	136	97
11	57	41	36	26	33	33	37	84	60	73	134	97
12	57	40	35	26	31	33	37	89	59	73	134	97
13	57	39	35	27	30	34	37	89	62	75	133	97
14	57	39	35	27	28	34	37	79	63	75	136	100
15	56	38	34	27	27	34	37	77	69	72	146	105
16	54	38	34	27	27	34	37	79	73	68	174	105
17	53	38	33	27	27	34	37	97	75	69	152	101
18	51	38	33	27	27	34	37	102	77	83	138	97
19	50	38	32	27	27	34	37	98	86	83	151	90
20	50	39	31	28	30	34	36	95	70	92	151	90
21	50	29	31	27	35	33	34	96	61	100	145	96
22	50	37	31	27	34	33	34	90	64	114	120	93
23	52	37	31	27	34	32	33	85	61	123	115	93
24	52	36	29	27	34	32	33	83	61	127	106	92
25	51	36	30	27	33	32	34	97	73	127	81	84
26	49	36	30	27	34	32	32	100	78	143	120	80
27	48	35	29	29	33	32	32	104	75	130	143	70
28	48	34	29	29	32	32	31	92	74	119	137	61
29	47	34	29	29	32	32	32	85	71	97	130	63
30	46	39	29	27	--	31	59	75	60	91	122	64
31	47	--	28	26	--	30	--	79	--	106	133	--
S.F.	1807	1186	1044	847	912	991	1054	2528	2152	2585	3930	2810
Mean	58	40	34	27	31	32	35	82	72	83	127	94
Max.	86	47	40	29	35	34	59	104	87	143	174	122
Min.	46	29	28	26	27	28	27	50	59	48	81	61
A.F.	3580	2350	2070	1680	1810	1970	2090	5010	4270	5130	7800	5570

Total 43330 Acre-Feet (The records for previous years are provided in the U.S.G.S.
 publication "Water Resources Data for Nebraska, 1979")

SOUTH PLATTE RIVER BASIN
(LOGGEPOLLE CREEK)

DISCHARGE IN SECOND-FEET OF LOGGEPOLLE CREEK
BELOW OLIVER RESERVOIR AND NEW RUTTNER DIVERSION DAM
NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31-15-56 W.
Nr. Kimball. 7.3 miles west on Hiway 30, 2/10 mile
south on county road to county bridge, 400 feet east
along creek
Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	9	5	0	1	1
2	9	4	0	1	1
3	9	4	0	1	1
4	9	3	0	1	1
5	9	3	1	1	1
6	9	2	1	1	1
7	9	2	1	1	1
8	9	1	2	1	1
9	9	1	2	1	1
10	9	1	2	1	1
11	10	1	2	1	1
12	10	1	2	1	1
13	10	1	2	1	1
14	10	1	2	1	1
15	10	1	1	1	1
16	10	1	1	1	1
17	10	1	1	1	1
18	10	1	1	1	1
19	9	1	0	1	1
20	9	1	0	1	1
21	9	1	0	1	1
22	8	1	0	1	1
23	8	1	0	1	1
24	7	1	0	1	1
25	7	1	0	1	1
26	7	0	0	1	1
27	6	0	0	1	1
28	6	0	0	1	1
29	6	0	0	1	1
30	6	0	0	1	1
31	6	-	0	1	-
S. F.	264	41	21	31	30
Mean	9	1	1	1	1
Max.	10	5	2	1	1
Min.	6	0	0	1	1
A. F.	520	80	40	60	60

DISCHARGE IN SECOND-FEET OF LOGGEPOLLE CREEK
ABOVE BENNETT RESERVOIR--NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-15-55 W.
Nr. Kimball. 1 mile east from junction of Hiway 30
and Hiway 71. 0.8 mile north on county road
Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	12	6	1	1	0
2	11	6	1	1	0
3	11	6	1	1	0
4	11	5	1	1	0
5	11	5	1	0	0
6	11	5	1	0	0
7	11	4	1	0	0
8	11	4	1	0	0
9	11	4	1	0	0
10	11	3	1	0	0
11	11	3	1	0	0
12	11	2	1	0	0
13	11	2	1	0	0
14	11	2	1	0	0
15	11	1	1	0	0
16	11	1	1	0	0
17	11	1	1	0	0
18	11	1	1	0	0
19	11	1	1	0	0
20	11	1	1	0	0
21	10	1	1	0	0
22	10	1	1	0	0
23	10	1	1	0	0
24	9	1	1	0	0
25	9	1	1	0	0
26	9	1	1	0	0
27	8	1	1	0	0
28	8	1	1	0	0
29	7	1	1	0	0
30	7	1	1	0	0
31	7	-	1	0	-
S. F.	315	73	31	4	0
Mean	10	2	1	0	0
Max.	12	6	1	1	0
Min.	7	1	1	0	0
A. F.	620	140	60	10	0

BENNETT RESERVOIR STORAGE IN ACRE-FEET

A-657, A-1974 on Lodgepole Creek--SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 22-15-55 W. Proceed 1.1 miles east of Kimball on Highway 30. Turn onto 530 link and travel 2 miles east. Head north on county road for 9/10 mile to the pasture road. Proceed 9/10 mile west along curving road. The measurements are taken 250 feet north from the west wingwall along the creek.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 26, 1979	510	-13
Nov. 6, 1979	314	-196
Nov. 15, 1979	320	+6
Dec. 26, 1979	438	+118
Jan. 18, 1980	569	+131
Feb. 27, 1980	1,050	+481
Mar. 26, 1980	812	-238
Apr. 14, 1980	854	+42
May 29, 1980	744	-110
June 30, 1980	490	-254
July 23, 1980	325	-165
Aug. 27, 1980	221	-104
Sept. 18, 1980	214	-7

Change in Storage September 26, 1979
through September 18, 1980 -296

SOUTH PLATTE RIVER BASIN
(SOUTH PLATTE RIVER)

DAILY DIVERSIONS OF CANALS--1980
SUTHERLAND CANAL for power from South Platte River
Measured through 25-foot Parshall flume--SE 1/4 Sec. 8-13-36 W.
Nr. Paxton. 5.9 miles west on I-80 access road, left side of canal

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	155	392	258	621	406	925	76	1232	205	415	0	0
2	149	389	285	828	486	627	20	1252	203	247	0	0
3	148	405	376	916	500	644	0	1272	201	209	0	0
4	170	432	576	1029	560	573	0	1296	207	197	0	0
5	173	492	683	977	527	713	0	1288	216	191	0	0
6	177	512	845	944	613	894	0	1300	220	183	0	0
7	187	520	1014	570	500	1103	0	1292	218	179	0	0
8	181	503	1007	378	583	1149	0	1268	228	162	0	0
9	170	509	1025	372	613	1156	0	1192	260	122	0	0
10	172	500	1018	369	638	1180	0	1180	267	112	0	0
11	191	500	988	282	665	1220	0	1228	285	90	0	0
12	187	506	755	297	648	1252	0	1240	486	84	0	0
13	201	506	752	276	704	1280	0	1252	628	72	0	0
14	207	506	778	303	750	1260	0	1232	828	69	0	0
15	220	509	821	421	740	1308	0	1204	977	76	0	0
16	207	506	585	618	732	1312	0	1196	1007	73	0	0
17	207	500	232	804	718	1316	0	1188	1088	53	0	0
18	160	503	492	863	588	1296	0	1164	1072	54	0	0
19	218	514	775	821	580	1014	0	1118	1058	86	0	0
20	238	538	940	801	578	825	0	1126	1082	44	0	0
21	254	346	1003	713	624	585	0	1134	1047	44	0	0
22	274	166	984	703	632	469	0	1029	1027	43	0	0
23	280	205	1040	771	663	365	91	940	1014	144	0	0
24	283	308	1003	801	735	260	294	845	1007	48	0	0
25	294	514	1029	775	784	148	514	624	820	31	0	0
26	301	594	1018	549	847	108	700	440	791	30	0	0
27	305	624	1021	272	905	94	947	274	680	28	0	0
28	327	550	1025	592	1062	66	1036	209	603	21	0	0
29	354	372	1032	535	1106	29	1044	216	609	5	0	0
30	365	212	1040	503	-----	90	1216	209	612	0	0	61
31	397	---	852	433	-----	84	---	207	---	0	0	---
S. F.	7152	13633	25252	19137	19487	23345	5938	30647	18946	3112	0	61
Mean	231	454	815	617	672	753	198	989	632	100	0	2
Max.	397	624	1040	1029	1106	1316	1216	1300	1088	415	0	61
Min.	148	166	232	272	406	29	0	207	201	0	0	0
A. F.	14190	27040	50090	37960	38650	46300	11780	60790	37580	6170	0	120
Water diverted	330670 A. F.											

DAILY DIVERSIONS OF CANALS--1980
WESTERN CANAL from South Platte River
Measured in section of canal--NE 1/4 Sec. 14-12-43 W.
Nr. Julesburg, CO. 100 feet south of Hwy 138 & 385
junction, 1.1 mile south on Hwy 385, 3.8 miles east
on county road, 1.4 mile north on other county road
to farmyard road, 2/10 mile northwest through farmyard,
under bridge north of house

Date	Oct.	May	June	July	Aug.	Sept.
1	59	0	0	0	65	50
2	61	0	0	56	47	52
3	24	0	0	85	29	56
4	54	0	0	146	34	56
5	79	0	0	136	56	132
6	43	0	0	40	38	136
7	45	0	0	85	29	139
8	50	0	0	71	28	162
9	50	0	68	56	27	119
10	43	0	0	116	41	66
11	32	0	0	103	27	56
12	36	0	0	103	45	41
13	34	0	0	93	29	52
14	32	0	0	82	32	56
15	29	0	0	61	33	38
16	25	0	0	59	34	56
17	21	0	0	62	36	58
18	27	0	0	64	22	61
19	36	0	0	66	45	63
20	36	0	70	71	43	66
21	47	0	93	52	41	68
22	50	0	50	68	40	68
23	50	0	50	66	47	76
24	50	0	18	64	45	71
25	49	0	0	62	45	70
26	49	0	0	60	40	65
27	49	0	0	47	39	60
28	48	0	0	52	39	55
29	48	0	0	55	38	50
30	48	0	0	60	26	44
31	47	0	0	62	41	---
S. F.	1351	0	281	2203	1181	2136
Mean	44	0	9	71	38	71
Max.	79	0	93	146	65	162
Min.	21	0	0	40	22	38
A. F.	2680	0	560	4370	2340	4240
Water diverted	14190 A. F.					
Acres reported	A-393-11145; A-1804-800; A-4739-498; Total-12443					

SUTHERLAND AND MALONEY (SUTHERLAND RESERVOIR SYSTEM) STORAGE IN ACRE-FEET

Combined storage in Sutherland and regulator reservoirs. Conservation storage in acre-feet--NE 1/4, Township 13 North, Ranges 30 and 33 West near Sutherland. To reach the gage, proceed south from the Highway 30 Interchange on State Highway 25 for 1 1/2 miles, then turn east on the county road. Proceed for 1/2 mile then head south for 1 mile. Head southeast along the lake to the canal and follow the canal road 1/2 mile west. The gage is located on the left bank of the canal.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	38230	-21960
Oct. 31, 1979	44860	+6630
Nov. 30, 1979	61300	+16440
Dec. 31, 1979	61750	+450
Jan. 31, 1980	45220	-16530
Febr. 29, 1980	51530	+6310
Mar. 31, 1980	71970	+20440
Apr. 30, 1980	57890	-14080
May 31, 1980	53820	-4070
June 30, 1980	71500	+17680
July 31, 1980	59140	-12360
Aug. 31, 1980	44610	-14530
Sept. 30, 1980	49190	+4580
Change in Storage		+10960

SOUTH PLATTE RIVER BASIN
(SOUTH PLATTE RIVER)

DAILY DIVERSIONS OF CANALS--1980
SUTHERLAND POWER RETURN to the South Platte River at North Platte
Measured through power wheels--NE¼ Sec. 21-13-30 W.
Nr. North Platte. 1/4 mile downstream of power house, cable suspension
bridge, upstream side of concrete bridge over county road

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	360	290	340	1420	1205	1180	1010	1615	1415	1780	1845	1365
2	350	290	340	1405	1135	1180	1330	1615	1415	1720	1700	1290
3	345	290	340	1410	1120	1420	1525	1620	1400	1470	1660	1290
4	335	290	340	1410	1135	1420	1525	1620	1410	1390	1645	1095
5	335	290	490	1410	1135	1180	1640	1615	1405	1540	1655	890
6	420	290	875	1400	1135	1180	1790	1615	1400	1655	1640	890
7	395	290	1120	1410	1135	1180	1815	1625	1535	1740	1570	920
8	395	290	1205	1395	1135	1260	1745	1290	1535	1860	1615	930
9	405	290	1360	1405	1135	1260	1845	1130	1535	1750	1615	850
10	405	290	1360	1365	1135	1000	1835	1140	1610	1640	1550	815
11	305	290	1360	1355	1135	1045	1835	1135	1615	1680	1465	830
12	310	285	1360	1320	1135	1340	1845	1145	1535	1785	1440	835
13	305	285	1360	1320	1135	1340	1835	1140	1535	1720	1570	890
14	305	290	1440	1320	1135	1340	1725	1065	1535	1665	1625	895
15	305	290	1440	1310	1135	1340	1660	1075	1535	1640	1545	895
16	395	300	1440	1320	1135	1340	1730	1075	1505	1580	1410	890
17	455	290	1440	1270	1120	945	1790	1140	1545	1590	1365	900
18	450	290	1440	1300	1125	945	1790	1270	1545	1585	1400	890
19	325	290	1395	1285	1120	980	1705	1270	1135	1585	1435	905
20	335	315	1375	1300	1130	935	1605	1405	1135	1590	1470	905
21	330	290	1375	1250	1180	940	1605	1505	1135	1595	1505	895
22	350	275	1375	1325	1260	940	1605	1480	655	1630	1505	905
23	310	290	1375	1300	1225	940	1605	1010	0	1660	1580	900
24	300	290	1375	1300	1200	950	1605	1140	390	1660	1705	905
25	395	290	1385	1300	1200	940	1600	1410	885	1660	1810	900
26	280	290	1385	1300	1180	940	1600	1405	1165	1660	1810	905
27	326	290	1425	1300	1180	940	1545	1405	1320	1655	1705	825
28	340	290	1445	1285	1180	940	1605	1405	1395	1660	1645	820
29	25	345	1420	1285	1180	950	1605	1405	1550	1690	1575	825
30	275	335	1415	1245	----	940	1605	1405	1820	1780	1505	745
31	390	---	1420	1210	----	940	----	1405	----	1860	1435	---
S.F.	10556	8810	37215	41230	33495	34170	49560	41580	39595	51475	49000	27795
Mean	341	294	1200	1330	1155	1102	1652	1341	1320	1660	1581	926
Max.	455	345	1445	1420	1260	1420	1845	1625	1820	1860	1845	1365
Min.	25	275	340	1210	1120	935	1010	1010	0	1390	1365	745
A.F.	20940	17470	73810	81780	66440	67780	98300	82470	78540	102100	97190	55130

Water returned 841950 A.F.

DISCHARGE IN SECOND-FEET OF FREMONT SLOUGH
AT NORTH PLATTE--NW¼ Sec. 16-13-30 W.
1/2 mile north of State Farm gage on Hwy
83, on right bank
Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	25	25	17	10	13
2	25	29	16	10	14
3	25	27	14	10	14
4	26	24	15	9	13
5	25	23	14	9	13
6	27	22	15	9	13
7	27	22	14	9	14
8	26	21	13	7	14
9	26	20	12	11	15
10	25	19	12	10	14
11	26	20	14	10	16
12	25	20	14	10	15
13	26	19	13	10	15
14	26	19	13	10	15
15	28	19	13	12	15
16	32	19	13	14	15
17	35	21	12	14	15
18	36	21	12	14	15
19	33	23	11	14	16
20	30	24	11	14	16
21	29	24	11	14	16
22	28	22	11	14	16
23	27	22	10	14	16
24	26	20	10	13	16
25	26	20	10	13	17
26	25	20	10	15	17
27	24	20	10	13	17
28	23	18	10	14	17
29	22	17	10	15	17
30	22	17	10	15	17
31	22	--	10	14	--
S.F.	828	637	380	370	456
Mean	27	21	12	12	15
Max.	36	29	17	15	17
Min.	22	17	10	7	13
A.F.	1640	1260	750	730	900

PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET AT THE CONFLUENCE OF NORTH AND SOUTH PLATTE RIVER NEAR NORTH PLATTE
Water Year Ending September 30, 1980

The values listed represent the sum of the discharges of the North and South Platte Rivers as measured at the North Platte, Nebraska gaging stations.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	466	503	545	576	529	1740	1840	5200	9880	1650	2230	563
2	480	506	575	547	499	2040	1940	5650	9430	2120	2220	525
3	473	517	610	542	548	2600	2160	5450	8570	2310	2220	498
4	479	524	610	555	562	2520	2370	5190	7920	2100	2220	457
5	503	602	620	560	609	2090	2550	5220	7200	1910	2210	439
6	528	598	700	584	688	1780	2670	5590	6360	1840	2220	468
7	551	607	722	588	866	1520	2920	6440	5950	1740	2160	482
8	543	590	699	578	876	1290	3260	10230	5400	1720	2120	463
9	546	547	693	604	1060	1220	3360	10660	4910	2060	2220	478
10	558	539	693	592	1290	1170	3180	10280	4540	2170	2270	491
11	547	525	681	602	1330	1160	2910	9780	4320	2110	2240	523
12	549	512	633	627	1280	1160	2690	9570	4140	2050	2190	558
13	559	509	607	604	1300	1090	2500	9330	3860	2100	2060	585
14	555	511	578	695	1310	1040	2420	9880	3680	2200	2060	599
15	525	512	575	903	1270	982	2420	9300	3880	2220	2200	616
16	490	512	538	1250	1200	926	2400	8580	3990	2210	2230	626
17	483	517	551	1340	1140	875	2430	8750	4140	2190	1750	613
18	484	517	578	1260	1160	823	2510	9580	4310	2200	1420	587
19	501	519	674	1120	1200	768	2700	9950	4130	2200	1300	579
20	506	518	614	1080	1440	828	3040	9610	3820	2250	1190	587
21	542	487	559	962	1940	907	3420	9970	3380	2300	1080	582
22	621	426	550	974	2220	977	3620	12830	3030	2280	952	549
23	573	448	557	967	2460	1030	3660	13550	2660	2290	655	560
24	554	492	554	903	2600	1090	3580	12850	2180	2310	519	551
25	530	545	561	888	2660	1200	3740	11630	2110	2300	423	533
26	498	545	563	850	2700	1320	3830	11050	2130	2310	585	537
27	489	550	599	800	2630	1440	3770	10550	1930	2330	1090	574
28	495	495	626	770	2480	1640	3670	10340	1720	2350	1120	615
29	496	480	650	710	2000	1590	3920	10220	1460	2280	796	593
30	503	495	654	600	----	1460	4440	10540	1320	2240	614	579
31	518	----	635	575	----	1800	----	10480	----	2230	586	----
S. F.	16145	15648	19004	24206	41847	42076	89980	288250	132350	66570	49150	16410
Mean	521	522	613	781	1443	1357	2999	9298	4412	2147	1585	547
Max.	621	607	722	1340	2700	2600	4440	13550	9880	2350	2270	626
Min.	466	426	538	542	499	768	1840	5190	1320	1650	423	439
A. F.	32020	31040	37690	48010	83000	83460	178470	571740	262500	132040	97490	32550
Total	acre-feet 1590010 A.F.											

DISCHARGE IN SECOND-FEET OF WHITE HORSE CREEK
NEAR NORTH PLATTE--SW $\frac{1}{4}$ Sec. 5-13-29 W.
3.4 miles east on Hiway 30, on upstream side
of bridge
Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	10	20	4	3	5
2	10	30	4	3	5
3	10	36	3	2	5
4	10	25	6	2	5
5	10	17	5	2	4
6	10	11	3	2	3
7	10	10	3	2	3
8	10	9	3	2	3
9	10	9	2	4	3
10	10	10	2	3	3
11	10	9	2	3	3
12	10	9	3	4	3
13	10	8	3	3	3
14	10	8	2	3	3
15	10	6	2	4	3
16	10	5	2	10	3
17	10	6	2	12	4
18	20	7	2	8	4
19	35	8	3	7	4
20	31	10	3	6	4
21	27	9	3	6	4
22	19	9	3	5	5
23	18	10	1	5	5
24	14	11	3	4	5
25	13	10	3	3	5
26	13	9	3	4	5
27	11	7	4	6	5
28	12	7	3	6	5
29	11	6	3	7	5
30	11	5	3	6	5
31	11	-	3	6	-
S. F.	416	336	91	143	122
Mean	13	11	3	5	4
Max.	35	36	6	12	5
Min.	10	5	1	2	3
A. F.	830	670	180	280	240

DISCHARGE IN SECOND-FEET OF PLATTE RIVER
PASSING TRI-COUNTY DIVERSION DAM
Nr. North Platte--Sec. 10-13-29 W.
Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	4660	9170	1270	1910	93
2	5120	8710	1680	1750	100
3	4940	7850	1620	1720	135
4	4670	7190	1330	1710	147
5	4690	6480	1290	1720	135
6	5050	5630	1330	1700	135
7	5900	5350	1320	1570	132
8	9390	4800	1410	1570	138
9	9670	4300	1640	1670	135
10	9310	4000	1640	1660	135
11	8810	3810	1650	1550	135
12	8610	3540	1670	1480	135
13	8360	3250	1650	1470	132
14	8820	3090	1710	1520	135
15	8300	3250	1720	1590	129
16	7520	3370	1620	1500	132
17	7770	3560	1610	950	132
18	8730	3690	1620	670	135
19	9090	3130	1610	580	132
20	8900	2830	1680	500	129
21	9340	2380	1740	430	120
22	12190	1560	1740	199	112
23	12460	520	1790	244	112
24	11880	420	1810	260	118
25	10920	830	1810	300	118
26	10320	1140	1810	260	120
27	9820	1090	1820	520	118
28	9610	950	1850	692	115
29	9510	840	1800	391	115
30	9810	990	1870	188	112
31	9770	----	1930	100	----
S. F.	263940	107720	51040	32374	3771
Mean	8514	3591	1646	1044	126
Max.	12460	9170	1930	1910	147
Min.	4660	420	1270	100	93
A. F.	523520	213660	101240	64210	7480
Total	5 months-910110 A.F.				

PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 TRI-COUNTY CANAL from Platte River for Power and Irrigation
 Measured through 30-foot Parshall flume--NW $\frac{1}{4}$ Sec. 28-13-29 W.
 Nr. North Platte. 6.7 miles southeast of State Farm gate on
 paved county road, 1/4 mile south on canal road, on left bank

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	816	813	924	2155	1336	1910	2144	2182	2152	2184	2184	1916
2	760	962	958	2179	1511	1870	2132	2179	2163	2186	2180	1794
3	783	888	1076	2110	1676	2139	2123	2163	2151	2176	2170	1718
4	867	941	1110	2119	1807	2152	2152	2172	2162	2173	2165	1524
5	957	1042	1270	2101	2014	2145	2174	2172	2157	2186	2167	1253
6	935	1015	1507	2080	2032	2165	2174	2184	2160	2184	2166	1278
7	966	1001	1834	1368	2084	2176	2180	2190	2168	2179	2173	1351
8	873	967	1897	1513	1927	2159	2179	2162	2163	2195	2174	1334
9	981	957	2014	1525	1786	2159	2154	2158	2164	2190	2174	1250
10	986	966	2096	1516	1963	2157	2146	2143	2176	2195	2174	1193
11	984	1002	2094	1684	2107	2166	2133	2133	2156	2161	2178	1232
12	928	950	1841	1711	2084	2150	2135	2136	2168	2188	2169	1246
13	909	943	1816	1620	2103	2153	2142	2141	2166	2182	2177	1280
14	909	952	1994	1990	2102	2168	2164	2151	2142	2179	2178	1311
15	900	993	1918	2122	2116	2157	2171	2109	2186	2166	2175	1325
16	935	961	1413	2186	2045	2136	2167	2160	2150	2182	2167	1314
17	994	967	1440	2186	1915	2005	2168	2160	2159	2181	2174	1366
18	1008	921	1779	2179	2138	1855	2186	2164	2184	2176	2170	1316
19	965	980	2082	2152	2123	1835	2164	2168	2151	2185	2165	1318
20	921	961	2166	2120	2157	1913	2171	2156	2157	2170	2182	1346
21	915	950	2142	2090	2127	1994	2169	2167	2169	2176	2174	1355
22	1009	834	2120	2117	2145	2088	2178	2151	2158	2184	2167	1343
23	906	880	2081	2136	2141	2144	2177	2139	2163	2172	2163	1366
24	923	1086	2085	2201	2146	2143	2174	2148	2171	2170	2017	1337
25	854	1149	2062	2208	2146	2158	2179	2157	2180	2178	1918	1316
26	1020	1043	2092	1392	2172	2161	2163	2164	2185	2179	2146	1352
27	1000	1001	2125	1585	2184	2163	2160	2168	2188	2183	2181	1325
28	932	888	2194	1538	2170	2142	2153	2166	2188	2177	2171	1375
29	770	853	2200	1328	2163	2127	2179	2150	2189	2180	2157	1367
30	678	835	2204	1220	----	2156	2172	2162	2176	2178	2067	1279
31	1043	----	2186	1376	----	2163	----	2146	----	2178	2036	----
S. F.	28427	28701	56720	57807	58420	65009	64863	66901	65002	67573	66659	41081
Mean	917	957	1830	1865	2014	2097	2162	2158	2167	2180	2150	1369
Max.	1043	1149	2204	2208	2184	2176	2186	2190	2189	2195	2184	1916
Min.	678	813	924	1220	1336	1835	2123	2109	2142	2161	1918	1193
A. F.	56380	56930	112500	114660	115870	128940	128650	132700	128930	134030	132220	81480

Water diverted 1323290 A. F.

Acreeage reported A-2355-89642; (Storage only)-A-3620-952; A-3823-804; A-4656-1496; A-5278-5048; A-7716-800; A-9673-14230; Total-112972

JEFFREY RESERVOIR STORAGE IN ACRE-FEET

From Platte River--NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 4-11-27W. Proceed 4.3 miles south and 1.2 miles west of Brady on paved road. Head 1/10 mile northwest on curving gravel road to the forebay of the power plant.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	3870	-1590
Oct. 31, 1979	5020	+1150
Nov. 30, 1979	4660	-360
Dec. 31, 1979	5510	+850
Jan. 31, 1980	4710	-800
Febr. 29, 1980	3340	-1370
Mar. 31, 1980	3770	+430
Apr. 30, 1980	5350	+1580
May 31, 1980	5180	-170
June 30, 1980	5570	+390
July 31, 1980	5400	-170
Aug. 31, 1980	5400	0
Sept. 30, 1980	3960	-1440

Change in Storage

+90

PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 TRI-COUNTY CANAL, JEFFREY POWER RETURN to Platte River
 Measured through Parshall flume--NE&SE& Sec. 36-12-27 W.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	466	0	530
2	0	0	0	0	0	0	0	0	0	203	0	459
3	0	0	0	0	0	0	0	0	0	0	0	330
4	0	0	0	0	0	0	0	0	0	0	0	213
5	0	0	0	0	0	0	0	0	0	157	0	167
6	0	0	0	0	0	0	0	0	0	269	0	152
7	0	0	0	0	0	0	0	0	0	337	0	144
8	0	0	0	0	0	0	0	0	0	277	0	149
9	0	0	0	0	0	0	0	0	0	246	0	97
10	0	0	0	0	0	0	0	0	0	128	0	126
11	0	0	0	0	0	0	0	0	0	0	0	137
12	0	0	0	0	126	0	0	0	0	0	0	40
13	0	0	0	0	183	0	0	0	0	0	0	0
14	0	0	0	0	196	0	0	0	0	0	0	0
15	0	0	0	0	205	0	0	0	0	0	0	0
16	0	0	0	0	178	0	0	0	0	0	0	0
17	0	0	0	0	164	0	0	0	0	0	0	22
18	0	0	0	0	50	0	0	0	0	0	0	305
19	0	0	0	0	320	0	0	0	0	0	0	389
20	0	0	0	0	308	0	0	0	0	0	0	367
21	0	0	0	0	147	0	0	0	0	0	0	385
22	0	0	0	0	0	0	0	0	0	0	0	358
23	0	0	0	0	0	0	0	0	0	0	0	373
24	0	0	0	0	0	0	0	0	0	0	0	553
25	0	0	0	0	0	0	0	0	0	0	0	454
26	0	0	0	0	0	0	0	0	0	0	0	532
27	0	0	0	0	0	0	0	0	0	0	0	398
28	0	0	0	0	0	0	0	0	0	0	0	120
29	0	0	0	0	0	0	0	0	227	0	0	204
30	0	0	0	0	-	0	0	0	476	0	0	449
31	0	-	0	0	-	0	-	0	---	0	0	629
S.F.	0	0	0	0	1877	0	0	0	703	2083	5538	2544
Mean	0	0	0	0	65	0	0	0	23	67	179	85
Max.	0	0	0	0	320	0	0	0	476	466	629	530
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	0	0	0	0	3720	0	0	0	1390	4130	10980	5050

Water returned 25270 A.F.

ELWOOD RESERVOIR STORAGE IN ACRE-FEET

From Kingsley Reservoir Storage--NW&NW&, Sec. 32-8-22W. Head 2.7 miles northeast of Elwood or 14.4 miles southwest of Lexington on Highway 283. Turn on gravel road and proceed 4/10 mile west to pump station.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	7400	+2400
Oct. 31, 1979	16580	+9180
Nov. 30, 1979	20120	+3540
Dec. 31, 1979	17560	-2560
Jan. 31, 1980	15710	-1850
Febr. 29, 1980	13920	-1790
Mar. 31, 1980	12560	-1360
Apr. 30, 1980	18170	+5610
May 31, 1980	24720	+6550
June 30, 1980	20320	-4400
July 31, 1980	4150	-16170
Aug. 31, 1980	0	-4150
Sept. 30, 1980	4430	+4430
Change in Storage		-2970

JOHNSON RESERVOIR AND FOREBAY STORAGE IN ACRE-FEET

From Platte River--SW&NE&, Sec. 4-8-22W. Head 10.3 miles southwest of Lexington on Highway 283 and 9/10 mile north on paved Johnson Lake road. The measurement site is located 5/10 mile east on gravel supply canal road in forebay of power plant.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	46840	+1655
Oct. 31, 1979	43220	-3620
Nov. 30, 1979	45960	+2740
Dec. 31, 1979	41350	-4610
Jan. 31, 1980	41560	+210
Febr. 29, 1980	41940	+380
Mar. 31, 1980	43025	+1085
Apr. 30, 1980	42050	-975
May 31, 1980	43510	+1460
June 30, 1980	44040	+530
July 31, 1980	41240	-2800
Aug. 31, 1980	44700	+3460
Sept. 30, 1980	40830	-3870
Change in Storage		-6010

PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 PHELPS COUNTY CANAL from Platte River via
 Tri-County Canal--Measured through Parshall
 flume--SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 2-8-21 W.
 Nr. Overton. 5 miles south on oil road, $\frac{6}{8}$ miles
 west on county road, $\frac{1}{8}$ miles north on canal road

Date	Apr.	May	June	July	Aug.	Sept.
1	0	142	390	1360	1183	432
2	0	146	359	1138	1165	326
3	0	146	338	992	1201	198
4	0	148	344	992	1147	154
5	0	176	350	992	1138	156
6	0	228	362	992	1147	156
7	0	252	374	1032	1129	156
8	0	302	380	1210	1120	72
9	0	317	377	1480	1129	0
10	0	311	374	1510	1129	0
11	0	308	377	1500	1138	0
12	0	314	380	1470	1096	0
13	0	320	404	1410	1016	0
14	0	326	408	1380	862	0
15	0	329	401	1360	540	0
16	0	302	347	1350	387	0
17	0	282	341	1320	371	0
18	0	275	338	1310	368	0
19	0	293	347	1310	478	0
20	0	308	368	1250	572	0
21	27	308	384	1192	640	0
22	60	308	390	1156	766	0
23	78	314	415	1156	802	0
24	96	347	540	1165	778	0
25	126	365	700	1230	808	0
26	148	356	848	1230	834	0
27	146	390	1072	1220	827	0
28	154	398	1192	1201	814	0
29	166	394	1290	1192	685	0
30	160	401	1300	1183	540	0
31	---	390	---	1183	506	---
S.F.	1161	9196	15490	38466	26316	1650
Mean	39	297	516	1241	849	55
Max.	166	401	1300	1510	1201	432
Min.	0	142	338	992	368	0
A.F.	2300	18240	30720	76300	52200	3270
Water diverted	183030	A.F.				

DAILY DIVERSIONS OF CANALS--1980
 THIRTY MILE CANAL from Platte River--Measured
 through Parshall flume--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-12-26 W.
 Nr. Brady. $\frac{3}{8}$ miles south from Hwy 30, 2 miles
 east, $\frac{4}{5}$ mile north, east through yard, southeast
 to end of road

Date	May	June	July	Aug.	Sept.
1	0	93	275	322	202
2	0	95	301	324	201
3	0	95	320	320	170
4	0	97	318	328	122
5	0	97	320	341	117
6	0	89	330	330	112
7	0	85	332	328	109
8	0	76	330	326	109
9	0	64	330	332	108
10	0	76	320	337	110
11	0	102	313	332	113
12	0	100	313	324	38
13	0	105	309	318	0
14	0	103	315	328	0
15	0	100	328	269	0
16	0	99	326	220	0
17	0	100	322	224	0
18	0	102	320	233	0
19	57	108	322	231	0
20	89	95	324	218	0
21	86	90	322	220	0
22	93	89	322	217	0
23	97	137	326	220	0
24	94	155	326	226	0
25	91	185	324	226	0
26	85	208	322	220	0
27	89	208	320	208	0
28	98	237	318	201	0
29	95	262	311	201	0
30	95	269	313	202	0
31	91	---	320	204	---
S.F.	1160	3721	9892	8330	1511
Mean	37	124	319	269	50
Max.	98	269	332	341	202
Min.	0	64	275	201	0
A.F.	2300	7380	19620	16520	3000
Water diverted	48820	A.F.			
Acreeage reported	A-1853-19465; A-1976-3490; A-2077-320; Total-23275				

DAILY DIVERSIONS OF CANALS--1980
 GOTHENBURG IRRIGATION CANAL from Platte River--Measured
 through Parshall flume--SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-12-26 W.
 Nr. Brady. 4.3 miles east on Hwy 30, south on gravel
 road across I-80, 1/2 mile east, on left bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	38	75	341	326	143
2	0	38	81	343	326	129
3	0	37	84	343	324	113
4	0	35	89	343	328	105
5	0	9	84	345	328	106
6	0	0	80	343	326	100
7	0	0	87	343	324	95
8	0	0	89	341	326	97
9	0	72	82	337	328	86
10	0	63	80	339	328	89
11	0	46	87	339	326	90
12	0	68	82	337	326	85
13	0	79	76	337	320	82
14	0	95	80	332	318	84
15	0	110	82	328	315	87
16	0	75	85	334	299	82
17	0	75	82	334	281	86
18	0	81	79	332	279	80
19	0	81	81	332	259	78
20	0	75	71	328	246	76
21	0	79	81	328	233	75
22	0	86	82	330	226	74
23	0	94	86	330	231	70
24	0	94	175	324	231	32
25	0	89	208	322	244	0
26	0	82	226	326	250	0
27	0	81	273	322	241	0
28	0	74	305	322	226	0
29	10	81	315	322	213	0
30	49	78	339	320	152	0
31	---	79	---	324	151	---
S.F.	59	1994	3726	10321	8631	2144
Mean	2	64	124	333	278	71
Max.	49	110	339	345	328	143
Min.	0	0	71	320	151	0
A.F.	120	3960	7390	20470	17120	4250
Water diverted	53310	A.F.				
Acreeage reported	D-645a-898; D-645b-15286; A-3716-1016; A-11798-170; A-15580-56; Total-17426					

DAILY DIVERSIONS OF CANALS--1980
 SIX MILE CANAL from Platte River--Measured
 through Parshall flume--NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 11-11-26 W.
 Nr. Gothenburg. 1 mile south, 4 miles west to
 Methodist Church, 2 miles north, left bank at
 end of county road

Date	Apr.	May	June	July	Aug.	Sept.
1	0	44	2	34	21	6
2	0	58	2	33	21	3
3	0	3	2	38	21	1
4	0	1	2	33	21	0
5	0	1	2	29	21	0
6	0	1	1	36	22	0
7	0	1	1	35	22	0
8	0	2	1	36	21	0
9	0	6	1	36	20	0
10	0	5	1	34	17	0
11	0	4	1	32	16	0
12	0	3	1	28	14	0
13	0	3	1	25	20	0
14	0	3	1	23	16	0
15	0	3	1	22	7	0
16	0	3	1	21	15	0
17	0	3	1	22	10	0
18	0	3	2	21	6	0
19	0	3	2	21	15	0
20	0	3	1	23	8	0
21	0	3	1	22	8	0
22	0	3	1	22	5	0
23	0	4	1	23	1	0
24	0	3	0	24	1	0
25	0	3	0	23	6	0
26	0	3	1	22	11	0
27	0	3	23	21	8	0
28	6	3	21	20	7	0
29	16	2	29	22	6	0
30	25	2	35	21	5	0
31	---	2	---	22	6	---
S.F.	47	184	139	824	398	10
Mean	2	6	5	27	13	0
Max.	25	58	35	38	22	6
Min.	0	1	0	20	1	0
A.F.	90	360	280	1630	790	20
Water diverted	3170	A.F.				
Acreeage reported	D-680-1173					

PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 COZAD CANAL from Platte River--Measured
 through Parshall flume--SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 16-11-25 W.
 Nr. Gothenburg. 1/2 mile south of Hiway 30 on
 county road, 800 feet west on ditch bank on right
 canal bank

Date	May	June	July	Aug.	Sept.
1	0	47	250	287	103
2	3	45	260	287	0
3	10	43	279	285	0
4	10	36	283	287	0
5	8	34	287	287	0
6	7	32	287	283	0
7	7	25	295	281	0
8	8	22	301	275	0
9	10	5	295	269	0
10	7	0	295	271	0
11	6	0	299	271	0
12	9	0	303	271	0
13	34	0	295	271	0
14	36	0	301	275	0
15	34	0	303	263	0
16	28	0	297	250	0
17	28	0	297	246	0
18	29	0	299	242	0
19	43	2	297	235	0
20	44	10	297	222	0
21	39	64	297	222	0
22	35	54	297	220	0
23	36	52	297	147	0
24	46	34	297	209	0
25	43	82	291	213	0
26	41	90	287	194	0
27	43	129	287	188	0
28	44	129	287	185	0
29	43	175	287	177	0
30	45	204	287	173	0
31	47	---	287	163	-
S.F.	823	1314	9021	7449	103
Mean	27	44	291	240	3
Max.	47	204	250	287	103
Min.	0	0	303	147	0
A.F.	1630	2610	17890	14770	200
Water diverted 37100 A.F.					
Acreage reported D-626-16730					

DAILY DIVERSIONS OF CANALS--1980
 ORCHARD-ALFALFA CANAL from Platte River--Measured
 through Parshall flume--SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 10-10-24 W.
 Nr. Cozad. 1.1 miles south on I-80 exchange, 3.3
 miles west, 1 mile north to corner, north on right
 bank

Date	May	June	July	Aug.	Sept.
1	34	15	67	76	32
2	29	16	75	75	28
3	8	16	79	74	23
4	0	18	80	74	12
5	0	20	77	74	0
6	5	19	76	71	0
7	16	18	82	71	0
8	6	18	80	68	0
9	0	17	80	69	0
10	0	17	81	68	0
11	10	17	82	70	0
12	30	18	83	67	0
13	29	17	84	61	0
14	22	15	84	65	0
15	19	16	84	53	0
16	19	15	81	49	0
17	19	19	79	56	0
18	19	28	79	59	0
19	19	27	83	36	0
20	15	25	81	34	0
21	15	24	82	38	0
22	14	23	81	36	0
23	14	19	80	32	0
24	15	8	81	36	0
25	14	13	82	39	0
26	13	24	79	36	0
27	12	30	78	34	0
28	11	36	75	30	0
29	11	40	76	26	0
30	12	50	74	27	0
31	13	--	75	29	-
S.F.	443	638	2460	1633	95
Mean	14	21	79	53	3
Max.	34	50	84	76	32
Min.	0	8	67	26	0
A.F.	880	1270	4880	3240	190
Water diverted 10460 A.F.					
Acreage reported D-627-5975					

DAILY DIVERSIONS OF CANALS--1980
 DAWSON COUNTY CANAL from Platte River--Measured
 through Parshall flume--NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 18-10-23 W.
 Nr. Cozad. Left bank 500 feet east of Hiway 21,
 1/10 mile north of I-80 exchange, east on ditch bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	26	108	514	480	260
2	0	26	110	503	495	234
3	0	27	118	517	480	216
4	0	26	113	506	480	193
5	0	26	112	472	498	168
6	0	26	101	478	483	153
7	0	25	83	498	472	146
8	0	26	80	503	467	136
9	0	26	51	506	478	146
10	0	26	49	514	478	136
11	0	30	127	492	475	134
12	0	35	120	478	450	127
13	0	101	132	492	445	101
14	0	141	129	495	469	80
15	0	139	115	506	437	79
16	0	141	136	509	410	76
17	0	134	148	486	226	76
18	0	125	158	492	220	76
19	0	115	110	503	232	74
20	0	107	69	514	228	74
21	0	98	72	506	238	73
22	0	92	51	498	230	73
23	0	94	102	500	234	74
24	0	98	142	512	216	72
25	12	96	144	498	240	25
26	28	92	230	488	283	0
27	28	96	272	480	312	0
28	27	115	287	469	296	0
29	26	118	322	437	263	0
30	26	115	397	450	272	0
31	--	122	---	456	285	-
S.F.	147	2464	4188	15272	11272	3002
Mean	5	79	140	493	364	100
Max.	28	141	397	517	498	260
Min.	0	25	49	437	216	0
A.F.	290	4890	8310	30290	22360	5950
Water diverted 72090 A.F.						
Acreage reported D-621-296; D-622-28360; D-624-1440; A-2039-1680; A-2093R-68; A-2110-1272; A-2145-0; A-2262-410; A-12968-0; A-14008-191; A-15184-160; A-15507-120; Total-33997						

DISCHARGE IN SECOND-FEET OF DAWSON COUNTY
 DRAIN NO. 2--SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 25-10-23 W.
 Nr. Darr. 7/10 mile south on county road,
 on right side of road
 Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	3	8	4	10	9
2	3	8	4	10	9
3	3	10	5	10	9
4	3	12	3	9	8
5	4	9	5	8	9
6	3	8	4	8	9
7	3	7	3	6	9
8	4	5	8	6	9
9	5	5	8	6	9
10	4	3	8	8	8
11	7	7	10	9	19
12	7	5	10	9	23
13	6	5	10	6	10
14	6	5	11	9	10
15	7	5	8	11	10
16	6	5	14	12	8
17	6	6	14	10	8
18	6	2	15	8	8
19	6	4	18	8	8
20	6	4	10	7	8
21	7	3	9	6	8
22	7	4	7	7	8
23	7	4	8	7	7
24	9	4	7	7	7
25	9	5	8	7	3
26	8	5	10	8	3
27	7	3	11	8	5
28	8	2	10	5	5
29	7	3	10	8	5
30	7	3	11	8	5
31	7	-	11	8	-
S.F.	181	159	272	249	256
Mean	6	5	9	8	9
Max.	9	12	18	12	23
Min.	3	2	2	5	3
A.F.	360	320	540	490	510

PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 TRI-COUNTY CANAL, JOHNSON POWER RETURN
 To Platte River--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-8-21 W.
 Nr. Overton. 5 miles south on oil road, $\frac{1}{2}$ miles west on county road, $\frac{1}{2}$ miles north on canal road

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	350	350	487	1734	902	1724	1744	1380	976	0	0	269
2	350	350	450	1709	872	1724	1744	1422	982	0	0	395
3	371	350	450	1699	1235	1699	1749	1341	983	0	0	356
4	400	350	450	1644	1346	1709	1739	1405	1007	0	0	295
5	400	350	425	1603	1467	1739	1729	1301	976	0	0	262
6	400	350	696	1613	1502	1744	1724	1274	989	0	0	288
7	400	350	1573	1180	1598	1739	1724	1200	1033	0	0	262
8	400	350	1633	1608	1603	1729	1724	1110	991	0	0	357
9	400	350	1608	1119	1497	1734	1709	1175	1004	0	0	403
10	400	350	1694	1170	1502	1724	1578	1091	1038	0	0	413
11	400	350	1669	1079	1497	1729	972	1088	1020	0	0	403
12	400	350	1669	1099	1502	1734	1840	1093	991	0	0	434
13	400	350	1714	1089	1553	1724	1734	1056	952	0	0	474
14	400	350	1704	1109	1568	1744	1780	1010	978	0	0	484
15	373	421	1699	1356	1538	1734	1845	1073	980	0	115	484
16	350	450	1281	1346	1250	1724	1840	1100	1034	0	788	711
17	350	450	1633	1633	1427	1734	1845	1109	1035	0	698	887
18	350	450	1361	1644	1351	1739	1835	1122	927	0	761	1104
19	350	450	1225	1654	1558	1734	1462	1088	934	0	697	1134
20	350	450	1563	1654	1548	1739	1502	1134	1134	0	396	1129
21	350	450	1432	1654	1644	1744	1445	1053	917	0	157	1149
22	350	450	1563	1664	1659	1749	1417	1063	865	0	31	1134
23	350	485	1588	1553	1760	1749	1384	1052	830	0	0	1064
24	350	500	1568	1679	1709	1760	1437	1039	841	0	0	1099
25	350	500	1689	1633	1623	1760	1376	1077	727	0	0	928
26	350	565	1709	1709	1623	1770	1354	1061	211	0	0	892
27	350	600	1699	1578	1598	1765	1356	986	0	0	5	812
28	350	600	1689	1467	1765	1760	1429	1109	0	0	0	817
29	350	350	1709	1149	1724	1760	1367	997	0	0	6	817
30	350	600	1719	1220	----	1765	1342	965	0	0	0	600
31	350	---	1724	1457	----	1749	----	921	--	0	205	---
S. F.	11444	12671	43063	45505	43421	53931	47726	34895	24355	0	3859	19856
Mean	369	422	1389	1468	1497	1740	1591	1126	812	0	124	662
Max.	400	600	1724	1734	1765	1770	1845	1422	1134	0	788	1149
Min.	350	350	425	1079	872	1699	972	921	0	0	0	262
A. F.	22700	25130	85410	90260	86120	106970	94660	69210	48310	0	7650	39380
Water returned 675800 A. F.												

DISCHARGE IN SECOND-FEET OF STREVER (SPRING)
 CREEK--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-8-20 W.
 Nr. Overton. 2.8 miles south on oil road
 connecting Hiway 30 and I-80
 Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	17	23	0	23	4
2	17	27	2	33	4
3	13	23	30	41	37
4	13	23	5	49	31
5	13	22	4	47	30
6	13	22	0	49	30
7	14	18	1	47	28
8	15	18	1	39	25
9	12	18	0	39	10
10	11	18	0	39	12
11	12	17	1	48	10
12	12	16	1	43	10
13	15	12	2	35	10
14	10	12	2	40	10
15	6	12	2	50	10
16	7	11	2	55	4
17	26	11	2	55	4
18	3	18	4	55	4
19	18	22	3	48	4
20	17	23	4	46	7
21	15	9	28	46	7
22	15	9	31	46	3
23	12	10	28	41	3
24	9	14	30	44	3
25	8	24	34	34	3
26	8	6	36	22	3
27	8	12	45	3	0
28	9	17	46	3	0
29	15	1	46	35	0
30	15	0	28	17	0
31	17	--	26	18	--
S. F.	395	468	444	1190	306
Mean	13	16	14	38	10
Max.	26	27	46	55	37
Min.	3	0	0	3	0
A. F.	780	930	880	2360	610

DISCHARGE IN SECOND-FEET OF BUFFALO CREEK
 NEAR ELM CREEK--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-8-18 W.
 West edge of city limits from Hiway 30,
 1.4 miles south on Hiway 183
 Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	0	15	25	23	17
2	0	16	27	19	12
3	0	20	11	10	18
4	0	28	9	10	55
5	0	24	9	20	41
6	0	22	2	27	41
7	0	22	0	25	34
8	0	21	6	38	26
9	0	19	5	26	31
10	0	14	0	25	30
11	0	10	0	26	30
12	0	4	0	28	20
13	0	2	0	28	20
14	0	2	1	44	29
15	0	15	2	41	31
16	0	24	1	42	26
17	23	29	0	44	26
18	35	32	6	60	4
19	37	22	18	68	6
20	42	39	19	69	4
21	44	36	48	32	0
22	48	34	25	39	27
23	46	30	42	36	24
24	41	21	50	34	16
25	31	21	13	16	16
26	12	12	13	0	16
27	9	32	13	0	16
28	9	22	20	0	16
29	13	25	24	2	16
30	13	29	30	12	0
31	13	--	22	13	--
S. F.	416	642	441	857	643
Mean	13	21	14	28	21
Max.	48	39	50	69	55
Min.	0	2	0	0	0
A. F.	830	1270	870	1700	1280

PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF ELM CREEK
 NEAR ELM CREEK--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33-9-18 W.
 West edge of city limits. From Hiway 30
 go 8/20 mile south on Hiway 183
 Water Year Ending September 30, 1980

Date	May	June	July	Aug.	Sept.
1	0	4	6	4	6
2	0	6	7	4	7
3	0	6	3	1	16
4	0	5	3	2	10
5	0	6	4	4	6
6	0	6	3	4	6
7	0	5	3	2	1
8	0	3	0	5	1
9	0	3	3	4	1
10	0	5	0	4	3
11	0	5	0	8	14
12	0	0	0	5	9
13	0	1	0	4	8
14	0	1	2	7	11
15	0	3	2	14	13
16	0	6	4	16	9
17	1	6	0	18	8
18	1	6	0	17	8
19	1	8	0	18	7
20	0	9	0	18	7
21	0	9	0	18	6
22	0	8	0	12	6
23	0	6	0	9	5
24	0	1	0	8	8
25	1	0	0	6	4
26	2	8	0	1	4
27	3	4	0	2	3
28	3	3	0	1	2
29	0	6	0	3	1
30	4	7	4	2	1
31	0	-	4	3	-
S.F.	16	146	48	234	191
Mean	1	5	2	8	6
Max.	4	9	7	18	16
Min.	0	0	0	1	1
A.F.	30	290	100	460	380

DAILY DIVERSIONS OF CANALS--1980
 KEARNEY CANAL for Power and Irrigation from Platte River
 Measured through Parshall flume--NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 3-8-18 W.
 Nr. Elm Creek. 1 mile east on Hiway 30, 1 mile south, 6/10 mile east, 8/10 mile south,
 600 feet on canal

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	308	244	0	0	0	0	0	238	310	296	173	292
2	308	142	0	0	0	0	0	280	312	303	166	320
3	312	122	0	0	0	0	0	298	310	289	153	342
4	327	117	0	0	0	0	0	303	305	285	151	349
5	327	179	0	0	0	0	0	301	298	283	164	327
6	329	308	0	0	0	0	0	296	283	276	168	329
7	329	202	0	0	0	0	0	285	285	265	162	346
8	327	0	0	0	0	0	0	289	285	258	170	346
9	329	0	0	0	0	0	0	294	294	260	179	349
10	332	0	0	0	0	0	0	308	296	265	179	342
11	332	0	0	0	0	0	0	315	287	269	220	327
12	332	0	0	0	0	0	0	315	287	267	249	320
13	332	0	0	0	0	0	0	312	296	242	256	317
14	334	0	0	0	0	0	0	308	294	226	276	324
15	334	0	0	0	0	0	0	301	289	181	289	324
16	327	0	0	0	0	0	0	298	298	189	312	327
17	327	0	0	0	0	0	247	301	298	189	336	327
18	329	0	0	0	0	0	247	296	298	183	332	312
19	329	0	0	0	0	0	247	294	298	175	322	322
20	329	0	0	0	0	0	247	298	301	173	312	312
21	327	0	0	0	0	0	247	303	298	172	310	310
22	327	0	0	0	0	0	247	305	298	177	310	301
23	329	0	0	0	0	0	247	305	289	175	303	298
24	332	0	0	0	0	0	247	310	283	175	289	301
25	332	0	0	0	0	0	247	320	289	179	276	296
26	332	0	0	0	0	0	251	320	301	203	258	285
27	332	0	0	0	0	0	258	320	283	214	228	287
28	332	0	0	0	0	0	251	312	292	226	209	292
29	334	0	0	0	0	0	212	308	292	224	197	292
30	336	0	0	0	-	0	207	305	294	205	203	298
31	327	-	0	0	-	0	---	310	---	187	179	---
S.F.	10173	1314	0	0	0	0	3402	9348	8843	7011	7331	9514
Mean	328	44	0	0	0	0	113	302	295	226	236	317
Max.	336	308	0	0	0	0	258	320	312	303	336	349
Min.	308	0	0	0	0	0	0	238	283	172	151	285
A.F.	20180	2610	0	0	0	0	6750	18540	17540	13910	14540	18870

Water diverted 112940 A.F.

PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1930
 KEARNEY IRRIGATION CANAL from Platte River
 Computed from the discharge record for the
 Kearney Canal for power and irrigation.

Date	Apr.	May	June	July	Aug.	Sept.
1	0	50	0	51	77	103
2	0	16	0	15	30	56
3	0	19	2	0	76	45
4	0	15	0	5	34	37
5	0	22	0	22	37	12
6	0	17	0	38	96	22
7	0	5	0	46	37	47
8	0	18	0	55	111	59
9	0	9	21	61	112	48
10	0	28	0	89	104	33
11	0	17	2	96	122	4
12	0	21	0	98	118	0
13	0	14	1	91	106	9
14	0	1	0	91	31	2
15	0	0	0	78	51	0
16	0	0	0	105	55	12
17	0	0	0	104	46	6
18	0	0	0	92	40	18
19	0	0	0	80	32	2
20	0	0	0	76	27	3
21	0	0	0	80	52	0
22	0	0	0	89	40	0
23	0	6	0	71	33	0
24	0	17	0	73	30	3
25	0	0	0	81	43	0
26	0	0	2	99	51	0
27	1	0	0	93	67	0
28	0	0	5	95	99	9
29	2	0	7	85	83	11
30	7	0	35	73	69	11
31	--	0	--	80	58	--
S.F.	10	275	75	2212	2247	552
Mean	0	9	2	71	72	18
Max.	7	50	35	105	122	103
Min.	0	0	0	0	27	0
A.F.	20	550	150	4390	4460	1090

Water diverted 10,660 A.F.

Acres reported 0-1023-3701; A-8399-1676;

A-9844-1027; A-10168-320; A-10871-579; A-14859-

390; Total 7,693

DAILY DIVERSIONS OF CANALS--1980
 KEARNEY POWER RETURN to Platte River
 Measured in section of canal--NE 1/4 Sec. 3-B-16 W.
 In Kearney. From the junction of W 27th and Hiway 30 W. proceed west to O.K.
 Corral Cafe parking lot on south side of hiway. Drive along east edge
 of parking lot to gate. Gage on right bank 100 ft below fence line

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	286	268	0	0	0	0	0	174	288	227	89	175
2	298	166	0	0	0	0	0	244	290	267	80	244
3	292	119	0	0	0	0	0	258	285	270	71	275
4	298	113	0	0	0	0	0	267	284	259	62	289
5	298	114	0	0	0	0	0	258	284	242	62	292
6	302	277	0	0	0	0	0	258	268	220	67	284
7	302	302	0	0	0	0	0	259	268	203	60	277
8	306	62	0	0	0	0	0	251	253	188	55	266
9	310	0	0	0	0	0	0	264	253	184	62	279
10	310	0	0	0	0	0	0	259	281	163	69	286
11	315	0	0	0	0	0	0	276	264	160	91	299
12	311	0	0	0	0	0	0	272	268	157	121	301
13	314	0	0	0	0	0	0	276	273	140	139	285
14	319	0	0	0	0	0	0	284	273	125	181	298
15	319	0	0	0	0	0	0	289	271	95	220	301
16	316	0	0	0	0	0	0	294	277	78	238	292
17	301	0	0	0	0	0	233	281	276	79	268	297
18	297	0	0	0	0	0	233	286	280	84	270	272
19	302	0	0	0	0	0	233	280	277	88	268	296
20	305	0	0	0	0	0	233	284	284	90	264	286
21	314	0	0	0	0	0	233	281	292	85	230	289
22	317	0	0	0	0	0	233	286	312	82	250	280
23	310	0	0	0	0	0	233	277	289	96	250	281
24	312	0	0	0	0	0	233	271	282	94	240	276
25	312	0	0	0	0	0	233	296	277	91	216	275
26	312	0	0	0	0	0	233	296	277	96	192	264
27	303	0	0	0	0	0	238	297	262	112	149	270
28	294	0	0	0	0	0	238	296	266	121	102	262
29	285	0	0	0	0	0	194	293	264	129	106	260
30	275	0	0	0	0	0	185	284	240	122	124	266
31	328	-	0	0	-	0	---	297	---	99	112	---
S.F.	9463	1421	0	0	0	0	3185	8462	8258	4446	4708	8317
Mean	305	47	0	0	0	0	106	273	275	143	152	277
Max.	328	302	0	0	0	0	238	297	312	270	270	301
Min.	275	0	0	0	0	0	0	174	240	78	55	175
A.F.	18770	2820	0	0	0	0	6320	16780	16380	8820	9340	16500

Water returned 95730 A.F.

PLATTE RIVER BASIN
(MIDDLE LOUP RIVER)

DAILY DIVERSIONS OF CANALS--1980
SARGENT CANAL from Middle Loup River--Measured
through 10-foot Parshall flume--NW¼NE¼ Sec. 32-21-21 W.
Nr. Milburn. 2/10 mile east of diversion dam on left bank

Date	May	June	July	Aug.	Sept.
1	0	58	263	237	50
2	0	59	270	212	50
3	0	60	275	198	46
4	0	62	271	200	45
5	0	66	270	200	50
6	0	71	270	200	51
7	0	69	269	199	51
8	0	73	269	199	51
9	0	68	273	200	51
10	0	60	274	200	51
11	0	60	276	179	47
12	0	60	278	89	44
13	0	60	276	52	45
14	0	60	275	50	46
15	0	60	276	50	46
16	0	61	276	42	46
17	0	62	278	33	17
18	0	61	276	35	0
19	0	58	276	78	0
20	0	58	275	114	0
21	26	64	275	122	0
22	62	64	275	123	0
23	61	76	274	127	0
24	57	113	275	130	0
25	53	128	274	146	0
26	54	138	261	96	0
27	56	165	257	64	0
28	56	219	237	64	0
29	54	232	234	53	0
30	55	261	237	46	0
31	56	--	236	50	--
S. F.	590	2706	8301	3788	787
Mean	19	90	268	122	26
Max.	57	261	278	237	51
Min.	0	58	234	33	0
A. F.	1170	5370	16460	7510	1560

Water diverted 32070 A.F.
Acreage reported A-4841a-13828; A-10260c-
Supp; A-12433-53; A-12632-56; A-15029-
70; Total-14007

DAILY DIVERSIONS OF CANALS--1980
MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 1 from Middle Loup River
Measured through rating flume--SW¼NW¼ Sec. 14-19-18 W.
Nr. Sargent. 1.2 mile south on Hiway 183 to canal, down-
stream 550 ft. on right bank

Date	May	June	July	Aug.	Sept.
1	0	8	48	47	7
2	0	10	47	44	6
3	0	11	47	45	7
4	0	11	48	45	7
5	0	11	48	44	7
6	0	10	48	46	3
7	0	10	47	49	2
8	0	10	47	51	3
9	0	11	47	54	9
10	0	12	48	57	10
11	0	12	47	53	9
12	0	15	47	54	8
13	0	17	47	47	8
14	0	17	47	45	8
15	10	14	47	43	7
16	16	14	46	38	6
17	10	14	37	34	3
18	8	14	23	34	0
19	8	14	44	37	0
20	8	16	46	31	0
21	7	17	47	25	0
22	7	18	48	24	0
23	8	21	48	20	0
24	9	23	47	20	0
25	10	29	48	28	0
26	10	44	48	35	0
27	12	49	48	24	0
28	11	48	49	13	0
29	7	48	50	15	0
30	13	48	47	10	0
31	12	--	48	7	--
S. F.	166	596	1434	1119	110
Mean	5	20	46	36	4
Max.	16	49	50	57	10
Min.	0	8	23	7	0
A. F.	330	1180	2840	2220	220

Water diverted 6790 A.F.
Acreage reported A-2293-2360; A-3797A-
supp; A-3979A-1162; A-3981A-supp;
A-3981A-185; A-8692-43; A-8930-62;
Total-3812

DAILY DIVERSIONS OF CANALS--1980
MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 2 from Middle Loup River
Measured through rating flume--NE¼NW¼ Sec. 14-19-18 W.
Nr. Sargent. 8/10 mile east on asphalt road, 1 mile south,
6/10 mile west on trail, on right bank

Date	May	June	July	Aug.	Sept.
1	0	21	63	62	20
2	0	22	62	50	20
3	0	23	62	67	20
4	0	23	63	63	18
5	0	23	64	64	20
6	0	22	64	58	18
7	0	21	65	56	17
8	0	20	67	60	16
9	0	21	69	67	16
10	0	20	69	69	16
11	0	23	67	63	16
12	0	29	66	53	16
13	14	38	65	24	16
14	18	38	66	21	16
15	18	38	67	29	18
16	18	35	66	29	16
17	18	36	61	27	7
18	18	36	61	25	0
19	18	35	59	24	0
20	20	34	64	22	0
21	21	32	64	29	0
22	21	30	67	45	0
23	22	28	66	42	0
24	23	30	65	36	0
25	23	30	67	38	0
26	23	41	72	37	0
27	22	52	63	24	0
28	21	56	61	21	0
29	20	60	65	20	0
30	21	62	62	20	0
31	22	--	62	20	--
S. F.	381	979	2004	1265	286
Mean	12	33	65	41	10
Max.	23	62	72	69	20
Min.	0	20	59	20	0
A. F.	760	1940	3970	2510	570

Water diverted 9750 A.F.
Acreage reported A-2293-2536; A-2678-212;
A-3979B-Supp; A-3979B-3348; A-3981B-Supp;
A-3981B-370; A-4131-80; A-6623-35; A-12642-
56; Total-6637

DAILY DIVERSIONS OF CANALS--1980
FARWELL CANAL from Middle Loup River--Measured
through 25-foot Parshall flume--SW¼NE¼ Sec. 35-18-17 W.
Nr. Comstock. 3.2 miles southeast to canal, 1.3 mile
east of Arcadia Diversion Dam, on left bank

Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	110	395	0	384	349	70	83	606
2	106	374	0	384	211	45	81	609
3	104	327	0	384	106	37	81	591
4	99	273	0	382	86	34	92	600
5	158	221	0	377	52	31	109	615
6	271	26	0	377	51	26	135	609
7	349	0	0	377	51	23	117	600
8	413	0	0	377	50	7	110	585
9	413	0	12	377	50	0	139	609
10	402	0	86	372	49	0	168	597
11	387	0	128	325	55	0	538	600
12	397	0	175	377	54	0	615	621
13	423	0	219	397	144	0	594	612
14	431	0	238	389	260	0	588	591
15	418	0	282	397	273	0	618	600
16	408	0	299	402	273	0	738	600
17	405	0	296	405	299	0	752	603
18	405	0	299	408	339	0	765	585
19	405	0	294	402	387	0	684	588
20	405	0	301	402	402	9	597	600
21	405	0	303	445	402	23	564	588
22	408	0	303	461	405	28	540	540
23	405	0	322	461	410	31	540	503
24	387	0	352	456	413	32	467	500
25	395	0	362	456	421	34	421	503
26	402	0	364	453	389	49	445	500
27	402	0	364	453	282	98	558	495
28	402	0	359	450	228	117	594	497
29	402	0	369	453	146	102	564	503
30	402	0	387	405	99	87	603	503
31	408	0	---	349	---	81	603	---
S. F.	10927	1616	6114	12537	6736	964	13503	17153
Mean	352	54	204	404	225	31	436	572
Max.	431	395	387	461	421	117	765	621
Min.	99	0	0	325	49	0	81	495
A. F.	21670	3210	12130	24870	13360	1910	26780	34020

Water diverted 137950 A.F.
Acreage reported A-4423-48311; A-5710-1485; A-10260a & b-Supp;
A-10470-320; Total-50116

PLATTE RIVER BASIN
(MIDDLE LOUP RIVER)

DAILY DIVERSIONS OF CANALS--1980
MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 3 from Middle Loup River
Measured through rating flume--SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 6-17-16 W.
Nr. Comstock. 3.8 miles southeast, 1/10 mile south to canal
from bridge, 250 feet downstream, right bank

Date	May	June	July	Aug.	Sept.
1	0	36	131	114	49
2	0	35	133	118	46
3	0	35	128	114	42
4	0	35	131	112	40
5	0	35	130	114	33
6	0	35	129	113	27
7	0	34	122	119	27
8	0	34	119	122	26
9	0	35	121	128	26
10	0	36	119	132	26
11	0	35	118	103	26
12	0	34	120	58	25
13	0	33	117	49	24
14	0	33	115	35	24
15	15	34	118	33	23
16	29	36	115	30	23
17	30	36	114	26	23
18	32	36	114	23	20
19	38	36	117	22	14
20	47	37	118	26	12
21	48	36	117	27	12
22	48	52	121	28	11
23	47	56	122	37	10
24	44	68	117	51	3
25	39	74	114	56	0
26	39	83	119	60	0
27	39	101	119	60	0
28	39	122	118	58	0
29	38	126	115	57	0
30	38	130	118	52	0
31	38	---	117	48	---
S.F.	648	1548	3726	2125	592
Mean	21	52	120	69	20
Max.	48	130	133	132	49
Min.	0	33	114	22	0
A.F.	1290	3070	7390	4210	1170

Water diverted 17130 A.F.
Acreage reported A-2293R-4277; A-2678R-110; A-3979CR-Supp; A-3979CR-7414; A-3981CR-Supp; A-3981CR-B7; A-4360-9; A-12179-0; A-13682-0; Total-11787

DAILY DIVERSIONS OF CANALS--1980
MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 4 from Middle Loup River
Measured through rating flume--SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 31-18-16 W.
Nr. Comstock. 3.8 miles south, 1/10 mile north to canal,
from bridge, 500 feet downstream, right bank

Date	May	June	July	Aug.	Sept.
1	0	36	141	138	52
2	0	34	142	143	51
3	0	33	152	148	50
4	0	33	168	141	33
5	0	33	165	134	23
6	0	34	164	129	22
7	0	34	164	124	21
8	0	35	154	120	21
9	0	33	147	131	22
10	0	33	168	141	21
11	0	39	169	121	21
12	0	42	148	84	20
13	30	40	140	79	20
14	57	41	140	60	20
15	62	40	158	0	20
16	63	40	162	0	19
17	62	40	159	0	9
18	55	40	156	0	0
19	19	41	159	0	0
20	4	42	165	0	0
21	38	42	167	13	0
22	48	42	163	42	0
23	42	51	163	42	0
24	36	78	162	42	0
25	36	79	159	50	0
26	36	79	150	65	0
27	37	92	154	60	0
28	37	107	157	49	0
29	37	108	146	48	0
30	36	122	140	52	0
31	36	---	140	53	---
S.F.	771	1543	4822	2209	445
Mean	25	51	156	71	15
Max.	63	122	169	148	52
Min.	0	33	140	0	0
A.F.	1530	3060	9560	4380	880

Water diverted 19410 A.F.
Acreage Reported A-2293R-5986; A-2678R-84; A-3979dR-0; A-3979dR-4234; A-3981dR-Supp; A-3981dR-657; A-5139-198; A-10161-317; A-10175-56; A-12197-0; A-12673-0; A-13590-0; Total-11577

DAILY DIVERSIONS OF CANALS--1980

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-feet--1980

	May	June	July	Aug.	Sept.	Total
Diversions:						
Canal No. 1.....	310	1180	2840	2220	220	6790
Canal No. 2.....	760	1940	3970	2510	570	9750
Canal No. 3.....	1290	3070	7390	4210	1170	17130
Canal No. 4.....	1530	3060	9560	4380	880	19410
Total diversions.....	3910	9250	23760	13320	2840	53080

PLATTE RIVER BASIN
(MIDDLE LOUP RIVER)

DAILY DIVERSIONS OF CANALS--1980
FARWELL "MAIN" CANAL from Middle Loup River
Measured through six constant head orifice gates
NW 1/4 Sec. 1-15-14 W.
Below Sherman Reservoir. 3/10 mile below outlet
structure, on left bank

Date	May	June	July	Aug.	Sept.
1	0	0	425	554	143
2	0	0	533	155	116
3	0	0	572	0	101
4	0	0	605	0	94
5	0	0	610	0	34
6	0	0	610	0	0
7	0	0	616	0	0
8	0	0	616	0	0
9	0	0	621	0	0
10	0	0	610	0	0
11	0	0	594	0	0
12	0	0	549	0	0
13	0	40	532	0	0
14	0	119	532	0	0
15	0	133	526	62	0
16	0	144	521	102	0
17	0	144	521	126	0
18	0	146	526	144	0
19	0	166	521	141	0
20	0	177	515	141	0
21	0	177	521	173	0
22	0	177	526	199	0
23	0	189	543	212	0
24	0	196	543	217	0
25	0	202	543	306	0
26	0	212	532	402	0
27	0	220	521	424	0
28	0	238	526	401	0
29	0	244	543	367	0
30	0	301	559	328	0
31	0	---	559	208	--
S.F.	0	3225	17071	4662	488
Mean	0	108	551	150	16
Max.	0	301	621	554	143
Min.	0	0	425	0	0
A.F.	0	6400	33860	9250	970
Water diverted 50480 A.F.					

DAILY DIVERSIONS OF CANALS--1980
FARWELL "SOUTH" CANAL from Middle Loup River
Measured through four constant head orifice gates
NW 1/4 Sec. 1-15-14 W.
Below Sherman Reservoir. 3/10 mile below outlet
structure, on right bank

Date	May	June	July	Aug.	Sept.
1	0	0	296	338	166
2	0	0	332	97	134
3	0	0	351	0	112
4	0	0	366	0	98
5	0	0	369	0	35
6	0	0	372	0	0
7	0	0	374	0	0
8	0	0	374	0	0
9	0	0	374	0	0
10	0	0	372	0	0
11	0	0	357	0	0
12	0	0	357	0	0
13	0	19	360	0	0
14	0	57	351	0	0
15	0	60	345	32	0
16	0	60	338	60	0
17	0	60	342	75	0
18	0	74	338	86	0
19	0	80	332	91	0
20	0	92	329	92	0
21	0	97	326	92	0
22	0	97	326	113	0
23	0	108	329	139	0
24	0	123	335	146	0
25	0	141	338	170	0
26	0	159	335	194	0
27	0	184	332	210	0
28	0	226	332	227	0
29	0	244	338	232	0
30	0	270	345	232	0
31	0	---	348	204	--
S.F.	0	2151	10713	2830	545
Mean	0	72	346	91	18
Max.	0	270	374	338	166
Min.	0	0	296	0	0
A.F.	0	4270	21250	5610	1080
Water diverted 32210 A.F.					

DAILY DIVERSIONS OF CANALS--1980
FARWELL MAIN and SOUTH CANALS (Combined Flow)
Total released from Sherman Reservoir
Sec. 1-15-14 W.

Date	May	June	July	Aug.	Sept.
1	0	0	721	892	309
2	0	0	865	252	250
3	0	0	923	0	213
4	0	0	971	0	192
5	0	0	979	0	69
6	0	0	982	0	0
7	0	0	990	0	0
8	0	0	990	0	0
9	0	0	995	0	0
10	0	0	982	0	0
11	0	0	951	0	0
12	0	0	906	0	0
13	0	59	892	0	0
14	0	176	883	0	0
15	0	193	871	94	0
16	0	204	859	162	0
17	0	204	863	201	0
18	0	220	864	230	0
19	0	246	853	232	0
20	0	269	844	233	0
21	0	274	847	265	0
22	0	274	852	312	0
23	0	297	872	351	0
24	0	319	878	363	0
25	0	343	881	476	0
26	0	371	867	596	0
27	0	404	853	634	0
28	0	464	858	628	0
29	0	488	881	599	0
30	0	571	904	560	0
31	0	---	907	412	--
S.F.	0	5376	27784	7492	1033
Mean	0	173	896	242	33
Max.	0	571	995	892	309
Min.	0	0	721	0	0
A.F.	0	10670	55110	14860	2050
Water diverted 82690 A.F.					

PLATTE RIVER BASIN
(NORTH LOUP RIVER)

DAILY DIVERSIONS OF CANALS--1980
NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL from North Loup River
Measured through rating flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20-21-18 W.
Nr. Taylor. 5/10 mile west on Hwy 91 to canal,
1.5 mile upstream, on left bank

Date	May	June	July	Aug.	Sept.
1	0	69	172	220	141
2	0	71	195	217	142
3	0	73	202	221	125
4	0	66	216	219	111
5	50	67	222	216	104
6	65	68	225	206	98
7	53	65	219	205	100
8	54	66	227	204	78
9	62	66	232	207	76
10	62	58	229	213	84
11	62	58	229	210	82
12	66	60	234	206	76
13	61	58	231	208	65
14	65	60	234	212	66
15	65	60	228	216	68
16	64	66	214	203	67
17	61	62	213	201	68
18	60	60	218	191	62
19	65	59	224	173	60
20	63	58	224	179	62
21	64	55	226	164	63
22	66	58	224	171	59
23	64	56	224	166	50
24	67	57	224	168	48
25	66	62	230	170	48
26	67	98	227	169	47
27	71	135	225	146	46
28	72	136	221	150	46
29	70	136	226	148	46
30	75	147	221	148	40
31	72	---	225	141	--
S.F.	1732	2210	6861	5868	2228
Mean	56	74	221	189	74
Max.	75	147	234	221	142
Min.	0	55	172	141	40
A.F.	3440	4380	13610	11640	4420

Water diverted 37490
Acreage reported A-2155-136; A-2312-12413;
A-2417R-183; A-3215A-853; A-3980A-Supp; A-3980A-
1277; A-3982A-Supp; A-4400-0; A-6430-0; A-7600-
0; A-7854-29; A-10119-0; A-10371-Resort; A-11379-
0; A-11648-11; A-11706-34; A-13475-28; A-15442-6;
A-15460-23; A-15569-16; Total-15009

DAILY DIVERSIONS OF CANALS--1980
NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
BURWELL-SUMTER CANAL from North Loup River
Measured through rating flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19-21-15 W.
Nr. Burwell. 1.8 mile east on Hwy 91, 100 feet north
to canal, 250 feet upstream, on left bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	51	38	113	114	66
2	0	29	38	122	113	66
3	0	31	39	123	120	64
4	0	41	39	126	117	64
5	0	41	38	125	116	64
6	0	41	35	131	108	64
7	0	41	34	128	108	63
8	0	41	33	126	111	64
9	0	40	32	125	119	63
10	0	41	32	126	116	43
11	0	41	34	125	113	46
12	0	42	33	125	117	43
13	0	42	33	125	110	40
14	0	40	32	123	109	40
15	0	42	32	112	108	38
16	0	39	33	113	106	35
17	0	41	32	116	105	37
18	0	41	31	114	88	37
19	0	39	32	114	58	36
20	0	40	32	118	58	33
21	0	40	32	120	60	28
22	0	39	32	116	61	23
23	0	39	29	125	63	23
24	0	40	35	120	58	23
25	0	39	46	119	66	23
26	0	38	66	116	97	23
27	0	37	65	119	82	22
28	0	36	71	116	85	22
29	0	38	85	122	82	21
30	94	39	100	120	74	17
31	--	37	---	117	78	--
S.F.	94	1226	1243	3740	2920	1231
Mean	3	40	41	121	96	41
Max.	94	51	100	131	120	66
Min.	0	29	29	112	58	17
A.F.	190	2430	2460	7420	5790	2440

Water diverted 20730 A.F.
Acreage reported A-2312-5683; A-3215b-1121; A-3772-75;
A-3828-39; A-3980b-Supp; A-3980b-1347; A-14778-34;
A-3982b-Supp; A-5133-0; A-6578-38; A-6943-16; A-9809-20;
A-10443-37; A-11856-40; A-11907-0; A-12017-16; A-12355-
105; A-13402-47; A-13472-37; A-14566-70; A-14777-56;
Total-8781

DAILY DIVERSIONS OF CANALS--1980
NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL from North Loup River
Measured through rating flume--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-19-14 W.
Nr. Ord. 2.7 miles southeast on Hwy 11, 3/10 mile
150 feet north across RR tracks to canal, 350 feet
upstream, on left bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	18	20	100	107	64
2	0	18	20	102	109	64
3	0	18	20	107	111	62
4	0	17	20	110	112	56
5	0	17	19	110	113	49
6	0	20	19	113	115	50
7	0	21	19	112	111	50
8	0	21	18	114	112	49
9	0	21	19	113	113	45
10	0	21	22	116	112	41
11	0	20	22	119	112	34
12	0	20	23	121	110	28
13	0	21	24	124	109	29
14	0	21	24	125	105	28
15	0	22	25	117	103	28
16	0	22	25	113	81	25
17	0	22	25	117	44	25
18	0	22	25	117	44	25
19	0	23	26	118	44	25
20	0	22	31	117	43	25
21	0	22	39	117	42	24
22	0	21	42	116	43	24
23	0	21	51	115	42	23
24	63	21	52	113	42	23
25	41	20	67	113	39	23
26	34	20	90	109	45	22
27	34	20	91	107	54	22
28	26	20	92	104	57	22
29	21	16	92	105	60	21
30	19	20	99	105	63	21
31	--	20	--	107	62	--
S.F.	238	628	1161	3496	2459	1027
Mean	8	20	39	113	79	34
Max.	63	23	99	125	115	64
Min.	0	16	18	100	39	21
A.F.	470	1250	2300	6930	4880	2040

Water diverted 17870 A.F.
Acreage reported A-2312-5647; A-3215c-325; A-3672-
59; A-3980c-Supp; A-3980c-570; A-3982c-Supp; A-4231-
26; A-10209-87; A-10583-74; A-10584-58; A-10842-23;
A-14120-48; A-14741-14; A-14814-40; A-15031-75;
A-15236-40; Total-7086

DAILY DIVERSIONS OF CANALS--1980

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-feet--1980

	Apr.	May	June	July	Aug.	Sept.	Total
Diversions:							
Taylor-Ord Canal.....	0	3440	4380	13610	11640	4420	37490
Burwell-Sumter Canal.	190	2430	2460	7420	5790	2440	20730
Ord-North Loup Canal.	470	1250	2300	6930	4880	2040	17870
Total diverted.....	660	7120	9140	27960	22310	8900	76090

PLATTE RIVER BASIN
(SALT CREEK)

OLIVE BRANCH RESERVOIR (NO. 2) STORAGE IN ACRE-FEET

On the Olive Creek Branch of Salt Creek--Sec. 10-7-5E. Salt Valley project near Lincoln.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	1324	-105
Oct. 31, 1979	1479	+155
Nov. 30, 1979	1459	-20
Dec. 31, 1979	1429	-30
Jan. 31, 1980	1427	-2
Febr. 29, 1980	1490	+63
Mar. 31, 1980	1662	+172
Apr. 30, 1980	1472	-190
May 31, 1980	1427	-45
June 30, 1980	1408	-19
July 31, 1980	1289	-119
Aug. 31, 1980	1236	-53
Sept. 30, 1980	1145	-91
Change in Storage		-179

BLUE STEM RESERVOIR (NO. 4) STORAGE IN ACRE-FEET

On Salt Creek Tributary--Sec. 30-8-6E. Salt Valley project near Lincoln.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	2617	-223
Oct. 31, 1979	2977	+360
Nov. 30, 1979	2927	-50
Dec. 31, 1979	2884	-43
Jan. 31, 1980	2899	+15
Febr. 29, 1980	3107	+208
Mar. 31, 1980	3423	+316
Apr. 30, 1980	3073	-350
May 31, 1980	2984	-89
June 30, 1980	2902	-82
July 31, 1980	2691	-211
Aug. 31, 1980	2553	-138
Sept. 30, 1980	2372	-181
Change in Storage		-245

WAGON TRAIN LAKE (NO. 8) STORAGE IN ACRE-FEET

On Salt Creek Tributary--Sec. 36-8-7E. Salt Valley project near Lincoln.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	1787	-123
Oct. 31, 1979	1839	+52
Nov. 30, 1979	1849	+10
Dec. 31, 1979	1861	+12
Jan. 31, 1980	1950	+89
Febr. 29, 1980	2204	+254
Mar. 31, 1980	2711	+507
Apr. 30, 1980	2527	-184
May 31, 1980	2439	-88
June 30, 1980	2359	-80
July 31, 1980	2223	-136
Aug. 31, 1980	2255	+32
Sept. 30, 1980	2117	-138
Change in Storage		+330

STAGE COACH LAKE (NO. 9) STORAGE IN ACRE-FEET

On the South Branch of Salt Creek--Sec. 4-7-7E. Salt Valley project near Lincoln.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	1794	-124
Oct. 31, 1979	1946	+152
Nov. 30, 1979	1922	-24
Dec. 31, 1979	1920	-2
Jan. 31, 1980	1928	+8
Febr. 29, 1980	1962	+34
Mar. 31, 1980	2118	+156
Apr. 30, 1980	1903	-215
May 31, 1980	1903	0
June 30, 1980	1899	-4
July 31, 1980	1796	-103
Aug. 31, 1980	1899	+103
Sept. 30, 1980	1888	-11
Change in Storage		+94

PLATTE RIVER BASIN
(SALT CREEK)

YANKEE HILL LAKE (NO. 10) STORAGE IN ACRE-FEET

On Cardwell Branch of Salt Creek--Sec. 19-9-6E. Salt Valley project near Lincoln.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	1819	-134
Oct. 31, 1979	2031	+212
Nov. 30, 1979	2028	-3
Dec. 31, 1979	2016	-12
Jan. 31, 1980	2041	+25
Febr. 29, 1980	2106	+65
Mar. 31, 1980	2218	+112
Apr. 30, 1980	2097	-121
May 31, 1980	2024	-73
June 30, 1980	1955	-69
July 31, 1980	1481	-474
Aug. 31, 1980	1510	+29
Sept. 30, 1980	1422	-88
Change in Storage		-397

CONESTOGA LAKE (NO. 12) STORAGE IN ACRE-FEET

On Holmes Creek Tributary to Salt Creek--Sec. 10-9-5E. Salt Valley project near Lincoln.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	2213	-127
Oct. 31, 1979	2555	+342
Nov. 30, 1979	2654	+99
Dec. 31, 1979	2606	-48
Jan. 31, 1980	2541	-65
Febr. 29, 1980	2761	+220
Mar. 31, 1980	2894	+133
Apr. 30, 1980	2667	-227
May 31, 1980	2641	-26
June 30, 1980	2564	-77
July 31, 1980	2418	-146
Aug. 31, 1980	2411	-7
Sept. 30, 1980	2286	-125
Change in Storage		+73

TWIN LAKES (NO. 13) STORAGE IN ACRE-FEET

On the South Branch of Middle Creek--Sec. 22-10-4E. Salt Valley project near Lincoln.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	2690	-99
Oct. 31, 1979	3018	+328
Nov. 30, 1979	2842	-176
Dec. 31, 1979	2839	-3
Jan. 31, 1980	2847	+8
Febr. 29, 1980	2897	+50
Mar. 31, 1980	2976	+79
Apr. 30, 1980	2847	-129
May 31, 1980	2849	+2
June 30, 1980	2789	-60
July 31, 1980	2043	-746
Aug. 31, 1980	2060	+17
Sept. 30, 1980	1970	-90
Change in Storage		-720

PAWNEE LAKE (NO. 14) STORAGE IN ACRE-FEET

On the North Branch of Middle Creek--Sec. 16-10-5E. Salt Valley project near Lincoln.

Water Year Ending September 30, 1980

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	6761	-1930
Oct. 31, 1979	6761	0
Nov. 30, 1979	7042	+281
Dec. 31, 1979	7253	+211
Jan. 31, 1980	7603	+350
Febr. 29, 1980	8273	+670
Mar. 31, 1980	8787	+514
Apr. 30, 1980	8610	-177
May 31, 1980	8588	-22
June 30, 1980	8478	-110
July 31, 1980	8175	-303
Aug. 31, 1980	8363	+188
Sept. 30, 1980	8064	-299
Change in Storage		+1303

PLATTE RIVER BASIN
(SALT CREEK)

ANTELOPE LAKE (HOLMES PARK NO. 17) STORAGE IN ACRE-FEET

On Antelope Creek Tributary to Salt Creek--Sec. 4-9-7E. Salt Valley project near Lincoln.

Water Year Ending September 30, 1980		
Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	650	-72
Oct. 31, 1979	747	+97
Nov. 30, 1979	724	-23
Dec. 31, 1979	696	-28
Jan. 31, 1980	688	-8
Febr. 29, 1980	752	+64
Mar. 31, 1980	840	+88
Apr. 30, 1980	786	-54
May 31, 1980	758	-28
June 30, 1980	737	-21
July 31, 1980	678	-59
Aug. 31, 1980	786	+108
Sept. 30, 1980	713	-73
Change in Storage		+63

BRANCHED OAK LAKE (NO. 18) STORAGE IN ACRE-FEET

On Oak Creek Tributary to Salt Creek--Sec. 34-12-5E. Salt Valley project near Lincoln.

Water Year Ending September 30, 1980		
Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1979	25364	-775
Oct. 31, 1979	26501	+1137
Nov. 30, 1979	26447	-54
Dec. 31, 1979	26392	-55
Jan. 31, 1980	26537	+145
Febr. 29, 1980	27008	+471
Mar. 31, 1980	27044	+36
Apr. 30, 1980	26664	-380
May 31, 1980	26537	-127
June 30, 1980	26374	-163
July 31, 1980	25189	-1185
Aug. 31, 1980	26030	+841
Sept. 30, 1980	25329	-701
Change in Storage		-35

REPUBLICAN RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
HAIGLER CANAL from Republican River
Measured through 5-foot Parshall flume--Sec. 2-1-43 W.

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	27	11	0	20	40	28	30
2	27	16	0	19	33	27	27
3	27	16	0	22	31	26	24
4	30	16	0	25	35	23	23
5	30	16	0	36	24	22	23
6	30	15	0	34	20	22	23
7	31	15	0	32	29	22	22
8	31	5	0	32	27	22	22
9	31	0	0	33	26	22	20
10	30	0	0	36	25	23	24
11	32	0	0	34	24	27	27
12	32	0	0	31	23	26	28
13	32	0	0	28	22	25	29
14	33	0	0	28	22	38	29
15	33	0	0	31	22	38	29
16	33	0	0	33	24	36	29
17	34	0	0	38	22	38	30
18	34	0	0	36	19	33	30
19	31	0	0	31	21	34	30
20	33	0	0	20	23	31	30
21	30	0	0	30	27	29	31
22	26	0	0	22	27	29	31
23	27	0	0	25	27	28	31
24	29	0	0	28	31	27	33
25	29	0	0	34	31	25	33
26	25	0	0	38	42	38	33
27	21	0	30	38	42	35	32
28	22	0	24	37	36	30	36
29	21	0	25	38	35	31	38
30	25	0	20	39	33	31	41
31	11	-	22	--	31	33	--
S.F.	887	110	121	928	874	899	868
Mean	29	4	4	31	28	29	29
Max.	34	16	30	39	42	38	41
Min.	11	0	0	19	19	22	20
A.F.	1760	220	240	1840	1730	1780	1720
Water diverted	9290 A.F.						

DAILY DIVERSIONS OF CANALS--1980
MEEKER-DRIFTWOOD CANAL from Republican River--Measured
through 12-foot Parshall flume--SW 1/4 Sec. 9-2-33 W.
Below Trenton Dam. 1/10 mile east on south end of dam,
3/10 mile north, 2/10 mile east

Date	May	June	July	Aug.	Sept.
1	0	0	236	265	148
2	0	0	240	256	103
3	0	0	221	254	68
4	0	0	216	254	54
5	0	0	216	254	43
6	0	0	216	250	40
7	0	0	254	241	40
8	0	0	305	237	40
9	0	0	333	238	37
10	0	0	338	238	35
11	0	0	345	154	36
12	0	0	350	87	13
13	0	0	350	83	0
14	0	0	351	76	0
15	0	0	346	66	0
16	0	0	337	62	0
17	0	0	330	62	0
18	0	0	307	62	0
19	0	0	296	62	0
20	0	0	297	69	0
21	0	0	285	89	0
22	0	0	279	111	0
23	0	98	284	118	0
24	0	83	286	118	0
25	0	75	278	175	0
26	0	85	274	231	0
27	0	106	273	239	0
28	0	106	284	219	0
29	0	106	298	182	0
30	0	151	294	166	0
31	0	--	282	166	--
S.F.	0	810	9001	5085	657
Mean	0	27	290	164	22
Max.	0	151	351	265	148
Min.	0	0	216	62	0
A.F.	0	1610	17850	10090	1300
Water diverted	30850 A.F.				

Acres reported D-4, 9, 8 & 7-2719; A-3869bR-2674; A-3887cR-92; A-6213-9170; A-9690-197; A-9911-500; A-10590-56; A-11946-53; A-14180-13; A-15130-107; Total-15581

REPUBLICAN RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 CHAMPION CANAL from Frenchman River--Measured
 through rating flume--NE&SE& Sec. 24-5-40 W.
 Nr. Champion. 2.5 miles west on county road,
 4/5 mile north, 1/10 mile west on north side
 of canal

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	4	0	9	8	6	2	2
2	4	0	9	8	6	2	2
3	4	0	9	8	6	2	2
4	4	0	9	8	6	1	2
5	4	0	9	8	6	1	2
6	4	0	9	7	5	1	2
7	4	0	9	7	5	2	2
8	4	0	8	7	5	1	2
9	4	0	8	7	4	1	2
10	4	0	8	7	4	1	3
11	4	0	8	7	3	1	3
12	4	0	8	7	2	1	3
13	4	0	8	7	2	1	3
14	5	0	8	7	2	1	3
15	2	0	8	7	2	2	3
16	0	0	8	7	2	2	3
17	0	0	9	8	2	2	3
18	0	0	9	8	2	2	3
19	0	0	9	8	2	2	3
20	0	0	8	8	2	2	3
21	0	0	8	8	2	2	3
22	0	0	8	8	2	2	3
23	0	0	8	8	2	2	3
24	0	0	8	8	2	2	3
25	0	0	8	7	2	1	4
26	0	0	8	7	2	2	4
27	0	0	7	6	2	3	4
28	0	0	7	6	2	2	4
29	0	8	7	6	2	2	4
30	0	8	8	5	2	2	4
31	0	-	8	-	2	2	-
S. F.	59	16	255	218	96	52	87
Mean	2	1	8	7	3	2	3
Max.	5	8	9	8	6	3	4
Min.	0	0	7	5	2	1	2
A. F.	120	30	510	430	190	100	170
Water diverted 1550 A. F.							
Acreage reported D-47-840							

DAILY DIVERSIONS OF CANALS--1980
 CULBERTSON CANAL from Frenchman River--Measured
 through 18-foot Parshall flume--SW&NE& Sec. 32-5-33 W.
 Nr. Palisade. 8/10 mile northeast on Hiway 25, 5/10
 mile east along canal

Date	Apr.	May	June	July	Aug.	Sept.
1	0	57	44	156	221	33
2	0	58	50	167	224	33
3	0	60	54	176	225	9
4	0	59	50	190	235	0
5	0	59	46	201	239	0
6	0	59	45	203	242	0
7	0	58	46	214	246	0
8	0	58	44	222	235	0
9	0	58	43	236	228	0
10	0	59	42	247	226	0
11	0	58	42	259	247	0
12	0	58	46	260	264	0
13	0	57	47	256	271	0
14	0	57	50	252	268	0
15	0	58	57	252	224	0
16	0	58	69	251	177	0
17	0	57	67	255	122	0
18	0	57	74	250	114	0
19	0	65	79	239	85	0
20	0	68	77	245	67	0
21	20	61	79	246	58	0
22	51	57	78	246	53	0
23	53	54	76	240	48	0
24	52	50	70	240	44	0
25	55	48	62	238	41	0
26	55	48	67	225	41	0
27	55	45	73	225	44	0
28	56	43	69	223	43	0
29	56	42	91	217	40	0
30	57	41	117	220	34	0
31	--	42	---	215	35	-
S. F.	510	1709	1854	7066	4641	75
Mean	17	55	62	228	150	2
max.	57	68	117	260	271	33
Min.	0	41	42	156	34	0
A. F.	1010	3390	3680	14020	9210	150
Water diverted 31460 A. F.						
Acreage reported D-24, 25, 29 & 30-9418; A-3869AR-1415; A-6214-9592; A-9697-157; A-9802-132; Total-20714						

DAILY DIVERSIONS OF CANALS--1980
 RIVERSIDE CANAL from Frenchman River--Measured
 in section of canal--NE&SE& Sec. 33-4-32 W.
 Nr. Culbertson

Date	May	June	July	Aug.	Sept.
1	0	0	11	2	1
2	0	0	11	0	1
3	0	0	10	0	1
4	0	0	9	0	12
5	0	0	10	2	10
6	0	0	10	0	10
7	0	0	10	0	10
8	0	0	7	0	10
9	0	0	10	0	12
10	0	0	10	0	12
11	0	0	10	3	12
12	0	0	11	9	11
13	0	0	13	6	11
14	0	0	11	5	11
15	0	0	7	8	12
16	0	0	7	11	12
17	0	0	7	10	0
18	0	0	7	9	0
19	0	0	11	8	0
20	0	0	10	4	0
21	0	0	7	3	0
22	0	0	8	7	0
23	0	0	7	2	0
24	0	0	3	2	0
25	0	0	9	2	0
26	0	0	6	1	0
27	0	10	7	1	0
28	0	10	7	1	0
29	0	10	11	0	0
30	0	10	2	0	0
31	0	--	2	0	-
S. F.	0	40	261	96	148
Mean	0	1	8	3	5
Max.	0	10	13	11	12
Min.	0	0	2	0	0
A. F.	0	80	520	190	290
Water diverted 1080 A. F.					
Acreage reported D-18-281; A-1674-187; Total-468					

DAILY DIVERSIONS OF CANALS--1980
 RED WILLOW CANAL from Red Willow Creek--Measured
 through orifice check--SW&SE& Sec. 25-4-29 W.
 Nr. Red Willow. 2 miles north of Republican Valley
 School, 5/10 mile west, 1 mile north, 1.2 miles
 west, 3/10 mile north along canal

Date	May	June	July	Aug.	Sept.
1	0	0	45	55	41
2	0	0	43	55	38
3	0	0	39	55	35
4	0	0	38	58	32
5	0	0	38	64	29
6	0	0	38	70	28
7	0	0	41	67	28
8	0	0	57	64	25
9	0	0	73	62	17
10	0	0	91	60	5
11	0	28	96	35	0
12	0	22	92	17	0
13	0	21	92	14	0
14	0	20	86	11	0
15	0	20	78	10	0
16	0	20	78	10	0
17	0	7	79	10	0
18	0	0	70	10	0
19	0	0	64	10	0
20	0	0	62	10	0
21	0	0	66	14	0
22	0	0	72	16	0
23	0	0	73	17	0
24	0	7	73	17	0
25	0	22	68	24	0
26	0	27	66	50	0
27	0	22	68	63	0
28	0	20	64	60	0
29	0	19	66	51	0
30	0	31	66	48	0
31	0	--	67	48	-
S. F.	0	286	2049	1155	278
Mean	0	10	66	37	9
Max.	0	31	96	70	41
Min.	0	0	38	10	0
A. F.	0	570	4060	2290	550
Water diverted 7470 A. F.					
Acreage reported A-3869CR-2858; A-6216-491; A-10195-483; A-12068-677; A-12201-82; A-14178-0; Total-4391					

REPUBLICAN RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
BARTLEY CANAL from Republican River--Measured
through 8-foot Parshall flume--NW¼ Sec. 16-3-27 W.
Nr. Indianola. 1 mile south, 2 miles east, north
across canal

Date	May	June	July	Aug.	Sept.
1	0	0	66	73	51
2	0	0	59	72	36
3	0	0	48	73	30
4	0	0	43	70	21
5	0	0	39	73	17
6	0	0	39	82	16
7	0	0	64	91	16
8	0	0	89	96	18
9	0	0	109	96	22
10	0	0	117	96	21
11	0	22	110	53	16
12	0	19	105	17	5
13	0	18	103	12	0
14	0	18	105	11	0
15	0	18	111	11	0
16	0	18	108	10	0
17	0	6	107	10	0
18	0	0	96	11	0
19	0	0	90	11	0
20	0	0	90	11	0
21	0	0	90	11	0
22	0	0	89	28	0
23	0	0	94	37	0
24	0	18	97	37	0
25	0	36	91	63	0
26	0	30	89	100	0
27	0	26	88	111	0
28	0	26	88	106	0
29	0	27	88	85	0
30	0	35	81	75	0
31	0	--	76	74	-
S.F.	0	317	2669	1706	269
Mean	0	11	86	55	9
Max.	0	36	117	111	51
Min.	0	0	39	10	0
A.F.	0	630	5290	3380	530

Water diverted 9830 A.F.

Acreeage reported A-3869dR-6089; A-6217-246; A-10196-115; A-11042-14; A-11920-123; A-14179-13; Total-6600

DAILY DIVERSIONS OF CANALS--1980
CAMBRIDGE CANAL from Republican River--Measured
through 15-foot Parshall flume--SE¼NE¼ Sec. 27-4-25 W.
Nr. Cambridge. 2.5 miles east on Hwy 6, 1/10
mile south, 200 feet east

Date	May	June	July	Aug.	Sept.
1	0	0	198	252	138
2	0	0	211	243	109
3	0	0	208	243	82
4	0	0	208	238	67
5	0	0	209	240	55
6	0	0	208	241	52
7	0	0	254	254	52
8	0	0	302	260	52
9	0	0	322	267	52
10	0	0	334	265	17
11	0	0	335	233	0
12	0	0	335	183	0
13	0	0	334	150	0
14	0	0	342	151	0
15	0	0	348	113	0
16	0	0	353	91	0
17	0	0	347	89	0
18	0	0	317	95	0
19	0	0	302	98	0
20	0	0	299	106	0
21	0	0	297	121	0
22	0	0	302	178	0
23	0	0	308	199	0
24	0	97	309	199	0
25	0	105	288	229	0
26	0	100	278	275	0
27	0	93	278	278	0
28	0	111	280	238	0
29	0	109	279	178	0
30	0	149	284	162	0
31	0	--	281	162	-
S.F.	0	764	8950	6031	676
Mean	0	25	289	195	23
Max.	0	149	353	278	138
Min.	0	0	198	89	0
A.F.	0	1520	17750	11960	1340

Water diverted 32570 A.F.

Acreeage reported A-3869e-14231; A-6218-459; A-9479-0; A-9763-119; A-10591-448; A-11041-268; A-12067-812; A-12200-259; A-14181-177; A-15131-77; Total-16850

DAILY DIVERSIONS OF CANALS--1980
NAPONEE CANAL from Republican River--Measured
through Sparling Meter--NE¼NE¼ Sec. 14-1-17 W.
Below Harlan County Dam. 5/10 mile northeast
from south end of dam

Date	May	June	July	Aug.	Sept.
1	0	0	36	31	6
2	0	0	36	28	0
3	0	0	36	25	0
4	0	0	36	28	0
5	0	0	36	33	0
6	0	0	36	35	0
7	0	0	36	35	0
8	0	0	36	35	0
9	0	0	36	35	0
10	0	0	36	35	0
11	0	0	36	30	0
12	0	0	36	18	0
13	0	0	36	10	0
14	0	0	36	3	0
15	0	0	35	0	0
16	0	0	35	0	0
17	0	0	35	0	0
18	0	0	35	0	0
19	0	0	35	0	0
20	0	3	35	0	0
21	0	0	35	7	0
22	0	0	35	15	0
23	0	0	35	17	0
24	0	11	36	18	0
25	0	18	35	22	0
26	0	18	35	27	0
27	0	28	35	30	0
28	0	30	35	28	0
29	0	32	35	21	0
30	0	35	35	18	0
31	0	--	33	17	-
S.F.	0	175	1098	601	6
Mean	0	6	35	19	0
Max.	0	35	36	35	6
Min.	0	0	33	0	0
A.F.	0	350	2180	1190	10

Water diverted 3730 A.F.

Acreeage reported A-4217-1350; A-6220-80; A-9463-86; A-9722-11; A-10965-234; Total-1761

DAILY DIVERSIONS OF CANALS--1980
FRANKLIN CANAL from Republican River--Measured
through orifice--NW¼NE¼ Sec. 11-1-17 W.
Below Harlan County Dam. 1 mile south of north
end of dam, 3/10 mile east on south side of canal

Date	May	June	July	Aug.	Sept.
1	0	0	239	250	120
2	0	0	242	248	51
3	0	0	250	247	0
4	0	0	251	247	0
5	0	0	253	251	0
6	0	0	254	251	0
7	0	0	254	250	0
8	0	0	253	249	0
9	0	0	253	249	0
10	0	0	253	245	0
11	0	0	252	245	0
12	0	0	251	244	0
13	0	0	251	237	0
14	0	0	250	230	0
15	0	0	250	188	0
16	0	0	254	149	0
17	0	0	253	150	0
18	0	0	253	145	0
19	0	0	253	141	0
20	0	0	252	141	0
21	0	0	250	140	0
22	0	0	252	151	0
23	0	0	255	158	0
24	0	0	254	158	0
25	0	50	252	178	0
26	0	101	251	193	0
27	0	137	251	194	0
28	0	174	249	188	0
29	0	186	249	171	0
30	0	209	249	149	0
31	0	--	249	142	-
S.F.	0	857	7782	6179	171
Mean	0	29	251	199	6
Max.	0	209	255	251	120
Min.	0	0	239	140	0
A.F.	0	1700	15440	12260	340

Water diverted 29740

Acreeage reported A-2691a-4422; A-2691bR-4013; A-4216-1958; A-6221-153; A-8259-145; A-9623-53; A-9724-18; A-10964-314; A-12796-106; A-14162-21; A-15488-51; Total-11256

REPUBLICAN RIVER BASIN

DAILY DIVERSIONS OF CANALS--1980
 FRANKLIN PUMP CANAL from Republican River--Measured
 through 4-foot Parshall flume--NE $\frac{1}{4}$ Sec. 10-1-14 W.
 Nr. Franklin. 1.5 miles south on Hiway 10, 3.5 miles
 east, 400 feet south of pump station

Date	May	June	July	Aug.	Sept.
1	0	0	28	45	7
2	0	0	28	44	0
3	0	0	29	44	0
4	0	0	29	44	0
5	0	0	29	45	0
6	0	0	29	44	0
7	0	0	29	42	0
8	0	0	29	40	0
9	0	0	29	40	0
10	0	0	30	40	0
11	0	0	31	37	0
12	0	0	31	35	0
13	0	0	31	35	0
14	0	0	31	35	0
15	0	0	32	16	0
16	0	0	32	0	0
17	0	0	32	0	0
18	0	0	32	0	0
19	0	0	32	0	0
20	0	0	32	12	0
21	0	0	32	19	0
22	0	0	32	8	0
23	0	0	31	0	0
24	0	0	34	0	0
25	0	0	39	4	0
26	0	0	41	18	0
27	0	10	41	22	0
28	0	19	41	21	0
29	0	19	43	21	0
30	0	21	44	18	0
31	0	--	45	17	-
S.F.	0	69	1026	746	7
Mean	0	2	33	24	0
Max.	0	21	45	45	7
Min.	0	0	26	0	0
A.F.	0	140	2040	1480	10

Water diverted 3670 A.F.

Acreage reported A-4227-1922; A-6222-188; A-10962-8; Total-2118

DAILY DIVERSIONS OF CANALS--1980
 COURTLAND CANAL from Republican River--Measured
 through orifice--NE $\frac{1}{4}$ Sec. 18-1-9 W.
 Nr. Guide Rock. 1 mile south on Hiway 78, 2 miles west

Date	Oct.	May	June	July	Aug.	Sept.
1	95	0	99	284	679	271
2	87	0	101	314	672	286
3	90	0	105	342	664	297
4	84	0	104	362	673	213
5	77	0	102	362	691	148
6	81	0	101	361	701	116
7	81	0	101	369	699	116
8	86	0	99	365	691	105
9	84	0	122	386	687	101
10	79	0	132	442	689	90
11	83	0	131	464	697	72
12	85	46	117	506	727	80
13	83	99	117	527	735	74
14	83	98	114	551	713	60
15	87	96	114	576	717	67
16	89	97	103	608	719	30
17	88	98	99	610	666	0
18	89	98	111	617	565	0
19	90	97	165	648	518	0
20	94	95	192	662	483	0
21	91	97	149	679	426	0
22	31	98	125	686	415	0
23	0	97	138	691	347	0
24	0	96	148	684	312	0
25	0	96	146	701	270	0
26	0	96	146	707	244	0
27	0	96	168	708	238	0
28	0	97	213	713	243	0
29	0	98	228	707	251	0
30	0	97	256	685	260	0
31	0	98	---	672	267	-
S.F.	1837	1890	4046	16989	16659	2126
Mean	59	61	135	548	537	71
Max.	95	99	256	713	735	297
Min.	0	0	99	284	238	0
A.F.	3640	3750	8030	33700	33040	4220

Water diverted 86380 A.F.

Acreage reported A-4222-1723; A-6224-114; A-10963-143; Total-1980

DAILY DIVERSIONS OF CANALS--1980
 COURTLAND CANAL from Republican River--Measured
 at Nebraska-Kansas State Line--SE $\frac{1}{4}$ Sec. 31-1-6 W.

Date	Oct.	May	June	July	Aug.	Sept.
1	73	0	80	235	605	203
2	70	0	80	266	614	216
3	69	0	80	294	616	283
4	68	0	82	308	625	232
5	69	0	81	314	627	115
6	70	0	78	314	636	94
7	71	0	77	310	638	82
8	72	0	76	303	634	72
9	68	0	91	317	631	52
10	67	0	110	372	638	68
11	71	0	109	390	642	61
12	72	0	100	414	642	58
13	71	25	92	434	658	53
14	71	76	94	476	651	51
15	74	75	90	492	653	57
16	76	80	75	522	664	53
17	75	81	73	528	607	6
18	76	80	84	532	516	0
19	77	78	112	576	434	0
20	80	76	159	607	388	0
21	78	75	125	596	344	0
22	71	75	103	598	338	0
23	6	74	104	627	281	0
24	0	72	119	627	240	0
25	0	73	116	627	204	0
26	0	72	116	625	192	0
27	0	60	125	627	179	0
28	0	61	163	627	185	0
29	0	70	184	618	193	0
30	4	71	206	603	195	0
31	3	77	---	590	201	-
S.F.	1602	1351	3184	14769	14671	1756
Mean	52	44	106	476	473	59
Max.	80	81	206	627	664	283
Min.	0	0	73	235	179	0
A.F.	3180	2680	6320	29290	29100	3480

Water diverted 74050 A.F.

DAILY DIVERSIONS OF CANALS--1980
 SUPERIOR CANAL from Republican River--Measured
 through 12-foot Parshall flume--NE $\frac{1}{4}$ Sec. 8-1-9 W.
 Nr. Guide Rock. 2 miles west, 2/10 mile south, 3/10
 mile east on north side of canal

Date	May	June	July	Aug.	Sept.
1	0	0	123	144	0
2	0	0	135	144	0
3	0	0	131	144	0
4	0	0	129	145	0
5	0	0	129	147	0
6	0	0	129	148	0
7	0	0	128	148	0
8	0	0	128	147	0
9	0	0	137	146	0
10	0	0	142	145	0
11	0	0	146	143	0
12	0	0	147	138	0
13	0	0	146	131	0
14	0	0	147	130	0
15	0	0	148	117	0
16	0	0	149	88	0
17	0	0	148	76	0
18	0	0	149	69	0
19	0	55	150	51	0
20	0	78	148	51	0
21	0	78	149	14	0
22	0	78	149	0	0
23	0	78	150	0	0
24	0	77	149	0	0
25	0	77	149	0	0
26	0	77	145	0	0
27	0	77	145	0	0
28	0	77	146	0	0
29	0	77	144	0	0
30	0	96	140	0	0
31	0	--	141	0	-
S.F.	0	925	4396	2466	0
Mean	0	31	142	80	0
Max.	0	96	150	148	0
Min.	0	0	123	0	0
A.F.	0	1830	8720	4890	0

Water diverted 15440 A.F.

Acreage reported A-2691cR-5503; A-6223-264; A-9723-45; A-9875-49; A-10966-93; Total-5954

LISTING OF CERTAIN CANALS NOT DIVERTING IN 1980

DAILY DIVERSIONS OF CANALS--1980

ARMSTRONG PUMP from Niobrara River--SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-28-53 W.
Nr. Marsland. 12 miles east on south river bank
Water diverted 0 A.F. -- Acreage reported A-10870-41

BIGELOW-SEYMOUR CANAL from Niobrara River--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19-31-57 W.
Nr. Harrison. 9 miles west on Hiway 20, 3/4 mile south on county road,
turn east on south river bank.
Water diverted 0 A.F. -- Acreage reported D-510-29

COOK CANAL NO. 1 from Niobrara River -- SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-28-56 W.
Nr. Agate. 1 3/4 miles west, 1/2 mile south on trail road, on south river bank
Water diverted 0 A.F. -- Acreage reported D-980-162

CRESCENT LAKE OUTLET to Blue Creek -- NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-20-44 W.
Nr. Oshkosh. 11.8 miles north, 8/10 mile east, 9 miles northwest to old
structure, 2/10 mile west. Staff on structure.
Water released 0 A.F.

GEO HITSHEW CANAL from Niobrara River--SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-28-52 W.
Nr. Marsland. 6 $\frac{1}{2}$ miles west from Hiway 2 and river road junction, 1 mile southwest
driveway, 1 $\frac{1}{2}$ mile south and east on trail road, on south river bank
Water diverted 0 A.F. -- Acreage reported A-1260-190

HOFFMAN PUMP from Niobrara River--SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-28-55 W.
Nr. Agate. 3 miles east on north river bank
Water diverted 1 A.F. -- Acreage reported A-5772-87

METTLEN CANAL from Niobrara River--NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 4-28-54 W.
Nr. Agate. 8 3/4 miles east on county road, 1/2 mile south, 1/2 mile west along river
on south river bank.
Water diverted 0 A.F. -- Acreage reported A-292-342; A-1248-53; A-2244-80; Total-475

SHERIDAN-WILSON CANAL from North Platte River--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19-14-35 W.
Nr. Paxton. 3.7 miles north of Hiway 30, 500 feet west on right canal bank
Water diverted 0 A.F. -- Acreage reported D-710-918

MISCELLANEOUS DISCHARGE MEASUREMENTS OF
RIVERS AND STREAMS NOT PUBLISHED BY THE
U.S. GEOLOGICAL SURVEY 1980

CHEYENNE RIVER BASIN
(HAT CREEK)

MEASUREMENT OF STREAMS Year Ending September 30, 1980					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	
		SOW BELLY CREEK BELOW SOW BELLY CANAL Sec. 7-32-55 W.					WHITE HEAD CREEK ABOVE HAT CREEK JUNCTION Sec. 4-34-54 W.			
1-18	1.5					10- 9	0.0			
		SOW BELLY CREEK ABOVE ANDREWS CANAL Sec. 5-32-55 W.					HAT CREEK NEAR GEISERS BRIDGE Sec. 28-35-54 W.			
12-10	3.0	12-21	2.4	1-18	2.2	10- 9	0.0			
		SOW BELLY CREEK BELOW ANDREWS CANAL Sec. 34-33-55 W.					HAT CREEK NEAR ARDMORE, SOUTH DAKOTA Sec. 21-35-54 W.			
12-10	0.7	12-21	1.0	12-21	1.9	10- 9	0.0	11- 7	3.0	
		HAT CREEK BELOW COFFEE CANAL Sec. 26-33-55 W.					10-31	.0	12-18	1.2
7- 7	0.0							8-19	0.2	
		MONROE CREEK ABOVE JORDAN RESERVOIR Sec. 23-33-56 W.					SQUAW CREEK ABOVE SQUAW CREEK RESERVOIR Sec. 12-31-52 W.			
9-18	0.0					10-12	0.002	4-28	0.6	
		WARBONNET CREEK NEAR HARRISON Sec. 10-33-56 W.					10-24	.3	6-13	.1
9-18	0.0					12-18	.02	6-30	.15	
		HAT CREEK BELOW COFFEE FLOOD CANAL Sec. 14-33-55 W.							7-25	0.0
10- 9	0.7	7- 7	0.0					8- 4	.0	
		SOW BELLY CREEK BELOW JIM CREEK JUNCTION Sec. 4-33-55 W.							8-12	.14
10- 9	0.0	7- 7	0.0					9- 5	.0	
		HAT CREEK AT WASSERBURGER PUMP Sec. 24-34-55 W.							9-23	.0
7- 7	0.0							SQUAW CREEK BELOW SQUAW CREEK RESERVOIR Sec. 12-31-52 W.		
		HAT CREEK NEAR MONT ROSE Sec. 13-34-55 W.					10- 4	0.7	10- 5	1.4
10- 9	0.0	10-25	0.0	7- 7	0.0					

NIOBPARA RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1980								MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980							
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
LONG PINE CREEK ¹ NW $\frac{1}{4}$ Sec. 20-29-20 W.								BONE CREEK ¹ SE $\frac{1}{4}$ Sec. 10-31-21 W.							
10-31	11.2	4-23	11.2	6-24	11.4	8-26	11.0	4-24	47.5	6-25	46.9	8-27	95.8	9-24	41.2
1-15	10.8	5-28	10.8	7-29	11.4	9-23	10.3	5-29	191.7	7-30	46.0				
LONG PINE CREEK AT CAMP WITNESS ¹ NW $\frac{1}{4}$ Sec. 17-30-20 W.								SPRING CREEK BELOW A-14736 SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-34-18 W.							
11-1	67.3	4-23	66.0	6-24	65.8	8-26	70.8	7-30	3.79						
1-15	62.1	5-28	61.3	7-29	60.4	9-23	61.0								
LONG PINE CREEK AT PINE GLENN REC. AREA ¹ SW $\frac{1}{4}$ Sec. 8-31-20 W.								SPRING CREEK, TRIB. TO, BELOW A-14736 SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-34-18 W.							
11-1	115.4	4-23	100.0	6-24	97.5	8-26	116.4	7-31	2.14	8-4	0.96	8-5	0.66	7-30	0.29
1-15	104.0	5-28	102.0	7-29	91.2	9-23	86.8								
SAND DRAW ¹ NE $\frac{1}{4}$ Sec. 6-30-22 W.								SPRING CREEK ABOVE MILLS NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-34-18 W.							
4-24	4.9	6-25	3.7	8-26	5.4	9-23	3.7	7-24	5.25	8-4	5.68	8-5	6.56	8-6	6.77
5-29	6.9	7-30	4.0					7-31	4.56						
SAND DRAW ¹ NW $\frac{1}{4}$ Sec. 29-31-21 W.								SPRING CREEK NEAR MILLS ABOVE HIGHWAY 12 BRIDGE Sec. 4-34-18 W.							
4-24	7.4	6-24	7.9	8-27	23.1	9-24	6.7	7-22	3.97						
5-29	22.3	7-30	7.4												
BONE CREEK ¹ SW $\frac{1}{4}$ Sec. 23-30-22 W.								SPRING CREEK NEAR MILLS BELOW OUTLET Sec. 4-34-18 W.							
4-24	6.0	6-25	4.3	8-27	3.6	9-24	2.3	7-22	4.96	7-31	5.06	8-5	6.51	8-5	5.66
5-29	6.0	7-30	1.8					7-24	8.96	8-4	4.55	8-5	5.86	8-6	5.24
BONE CREEK NEAR AINSWORTH ¹ NW $\frac{1}{4}$ Sec. 7-30-21 W.								KEYA PAHA RIVER BELOW A-8219 SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11-34-18 W.							
4-24	12.4	6-25	13.2	8-27	55.5	9-24	9.2	7-24	4.60						
5-29	42.1	7-30	14.4												
BONE CREEK ¹ SW $\frac{1}{4}$ Sec. 34-31-21 W.								COON CREEK, SOUTH BRANCH SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-34-17 W.							
4-24	17.6	6-25	21.5	8-27	60.1	9-24	21.1	8-4	0.09						
5-29	80.0	7-30	22.3												
								KEYA PAHA RIVER NEAR BROCKSBURG SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-34-17 W.							
								7-22	0.01	8-6	1.49				

NIOBRARA RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981			
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		KEYA PAHA RIVER ABOVE A-7886 NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-34-17 W.				VERDIGRE CREEK, NORTH BRANCH SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 21-30-9 W.	
8-6	2.84			7-11	4-26		
		KEYA PAHA RIVER NEAR NAPER Sec. 17-34-15 W.				VERDIGRE CREEK SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33-31-8 W.	
7-22	1.50			7-10	13.5		
		SPRING CREEK NEAR BUTTE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 25-34-13 W.				VERDIGRE CREEK, NORTH BRANCH NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-31-8 W.	
6-5	0.23	6-9	0.33	7-11	11.2		
		LOUSE CREEK NEAR REDBIRD NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-31-10 W.				VERDIGRE CREEK, NORTH BRANCH SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-31-8 W.	
7-11	1.90			7-10	8.11		
		LOUSE CREEK NEAR REDBIRD NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12-32-10 W.				VERDIGRE CREEK, NORTH BRANCH NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 25-31-8 W.	
7-11	3.7			7-11	1.05		
		STEELE CREEK NEAR DORSEY NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15-31-9 W.				VERDIGRE CREEK, NORTH BRANCH SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 11-30-7 W.	
7-11	6.6			7-11	1.25		
		STEELE CREEK NEAR DORSEY SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-32-8 W.				VERDIGRE CREEK, NORTH BRANCH, BELOW A-14175 NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10-30-7 W.	
7-11	4.2			7-10	3.8		
		PISCHEL CREEK ABOVE BARTOS RESERVOIR SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-31-8 W.				VERDIGRE CREEK, NORTH BRANCH SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-30-6 W.	
7-16	3.17	7-16	0.29	7-10	1.52	7-11	0.0
		PISCHEL CREEK NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-31-8 W.				VERDIGRE CREEK, EAST BRANCH, NEAR ROYAL NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-27-7 W.	
7-16	0.025			7-11	3.5		

MISSOURI RIVER TRIBUTARIES
(NIOBRARA TO THE PLATTE)

MEASUREMENT OF STREAMS Year Ending September 30, 1980						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>BAZILE CREEK</u>						<u>BEAVER CREEK</u>					
BAZILE CREEK NEAR BRUNSWICK SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-28-5 W.						BEAVER CREEK NEAR YANKTON SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 21-33-1 W.					
9-29	3.58					4-17	5.25	9-30	0.67		
BAZILE CREEK AT BAZILE MILLS SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-29-5 W.						<u>ANTELOPE CREEK</u>					
4-16	23.6	6-24	12.6	8-1	3.48	9-19	8.80	ANTELOPE CREEK NEAR YANKTON SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-33-1 W.			
5-21	17.3					4-17	2.31	9-30	0.85		
BAZILE CREEK, LITTLE, NEAR BAZILE MILLS SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-30-5 W.						<u>BOW CREEK</u>					
9-30	8.89	4-16	17.5			PEARL CREEK NEAR HARTINGTON SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-30-1 E.					
HOME CREEK NEAR CENTER SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-31-5 W.						4-17	8.81	9-24	5.40		
9-30	3.28	4-16	8.59			BOW CREEK NEAR HARTINGTON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12-30-1 E.					
<u>LOST CREEK</u>						4-17	5.50	9-24	3.01		
LOST CREEK NEAR SANTEE SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-32-5 W.						NORWEGIAN BOW CREEK NEAR HUNTINGTON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-31-2 E.					
4-16	2.39	9-30	0.0			4-17	8.08	9-24	2.36		
<u>DEVILS NEST CREEK</u>						BOW CREEK, EAST, NEAR ST. JAMES SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-31-2 E.					
DEVILS NEST CREEK NEAR SANTEE SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 29-33-3 W.						4-17	20.4	9-24	8.19		
4-16	1.67	9-30	0.805			BOW CREEK, WEST, NEAR FORDYCE NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3-31-1 W.					
<u>WEIGAND CREEK</u>						9-30	1.69	4-17	4.87		
WEIGAND CREEK NEAR WEIGAND SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 20-30-2 W.						<u>LIME CREEK</u>					
4-16	2.74	9-30	0.043			LIME CREEK NEAR MASKEL SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-32-4 E.					
						4-30	3.79	9-25	1.78		

MISSOURI RIVER TRIBUTARIES
(NIOBRARA TO THE PLATTE)

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	
		<u>DEER CREEK</u>					<u>SOUTH CREEK NEAR PONCA</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-30-6 E.			
		DEER CREEK NEAR MASKEL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27-32-4 E.			4-30	19.1	9-25	8.25		
4-30	0.076							<u>ELK CREEK</u>		
		<u>WALNUT CREEK</u>					<u>ELK CREEK AT JACKSON</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-29-7 E.			
		WALNUT CREEK NEAR MASKEL NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-32-4 E.			4-30	13.8	9-25	5.78		
4-30	0.32							<u>OMAHA CREEK</u>		
		<u>TURKEY CREEK</u>					<u>OMAHA CREEK NEAR WALTHILL</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-26-8 E.			
		TURKEY CREEK NEAR MASKEL NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-31-4 E.			5-1	9.66	9-25	3.05		
4-30	0.54							<u>PIGEON CREEK NEAR HOMER</u> NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-27-8 E.		
		<u>AOWA CREEK</u>			5-1	2.97				
		POWDER CREEK NEAR NEWCASTLE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3-30-5 E.							<u>MOORES CREEK</u>	
4-30	2.26							<u>MOORES CREEK NEAR FORT CALHOUN</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15-17-12 E.		
		SILVER CREEK NEAR MARTINSBURG NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28-30-5 E.			9-4	0.061				
9-25	0.020									
		SILVER CREEK NEAR PONCA NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-30-5 E.								
4-30	1.30									
		AOWA CREEK NEAR PONCA NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22-30-6 E.								
4-30	26.4	5-12	24.9	9-25	9.82					
		DAILY BRANCH CREEK NEAR MARTINSBURG SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-29-5 E.								
4-30	7.82									

NORTH PLATTE RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
PUMPKIN CREEK ABOVE MEADS RESERVOIR Sec. 2-19-55 W.						ASH HOLLOW CREEK NEAR LEWELLEN Sec. 3-15-42 W.					
7-18	0.1					11- 1	0.0	4- 9	0.0	6- 5	0.0
						12-10	.0	5- 1	.0	7- 3	.0
										8- 4	0.0
										9-18	.0
PUMPKIN CREEK BELOW MEADS RESERVOIR Sec. 1-19-55 W.						CLEAR CREEK Sec. 5-15-41 W.					
7-18	0.0					11- 1	9.4	2- 4	10.3	6-23	10.2
						12-10	10.0	3- 5	10.1	7-17	4.3
						1- 3	9.2	4-21	10.6		
										7-21	4.4
										8-11	4.3
PUMPKIN CREEK AT MORRILL COUNTY-BANNER COUNTY LINE Sec. 25-19-53 W.						OTTER CREEK NEAR LEMOYNE Sec. 32-16-40 W.					
5- 6	1.7	7- 2	0.8	7-18	0.7	11- 1	22.2	2- 4	22.1	4-21	22.8
						12-10	21.8	3- 5	20.5	6-23	23.6
						1- 3	21.3				
										8-11	20.9
										9-23	20.5
GREENWOOD CREEK Sec. 26-19-50 W.						SAND CREEK Sec. 34-16-40 W.					
11- 2	0.0	3- 5	6.4	6- 4	0.0	8- 6	0.0	11- 1	5.2	2- 4	5.2
1-17	2.5	4- 9	6.7	7- 2	1.7	9-10	.0	12-10	4.9	3- 5	5.8
2- 4	4.3	5- 2	7.4					1- 3	5.6		
										4-21	4.9
										6-23	3.9
										8-11	4.6
										9-22	4.7
COLD WATER CREEK BELOW LISCO CANAL Sec. 34-18-46 W.						LONERGAN CREEK NEAR LEMOYNE Sec. 17-15-39 W.					
10- 2	3.7	12- 6	4.1	1-24	3.7	2-27	4.1	11- 1	4.8	2- 4	5.4
10-22	4.0	12-20	4.0	2- 6	4.2	4-15	4.1	12-10	5.4	3- 5	5.1
11- 6	4.1	1- 9	3.4					1- 3	5.0		
										4-21	4.9
										6-23	4.7
										8-11	6.5
										9-22	5.6
RUSH CREEK NEAR LISCO Sec. 17-17-45 W.						SUTHERLAND POND DRAIN AT KEYSTONE Sec. 1-14-38 W.					
11- 2	1.4	2- 4	7.4	5- 5	1.0	8- 4	0.0	11- 1	4.8	2- 4	5.4
12-19	4.3	3- 5	10.3	6- 3	.5	9- 9	.0	12-10	5.4	3- 5	5.1
1-15	7.9	4- 9	7.1	7- 1	.0	9-30	.0	1- 3	5.0		
										4-21	4.9
										6-23	4.7
										8-11	6.5
										9-22	5.6
LOST CREEK NORTH OF OSHKOSH Sec. 26-17-44 W.						WHITE TAIL CREEK Sec. 36-15-38 W.					
10- 1	0.0	1- 3	0.0	6- 5	0.0	8- 4	0.0	1-14	5.8	5-12	6.9
11- 2	.0	2- 4	.0	7- 3	.0	9-18	.0	3-26	5.2	6- 9	18.7
12-10	.0	5- 5	.0							7- 7	6.6
										8- 5	5.8
										9- 2	12.1
BIG GUSHER SPRINGS NORTH OF OSHKOSH Sec. 19-18-42 W.						WHITE TAIL CREEK Sec. 36-15-38 W.					
9-29	7.8							12-18	28.8	5- 5	28.3
								1-14	31.4	5-17	29.3
								3-26	35.0	6- 2	33.2
								4-21	12.7	7-14	23.2
										7-28	23.5
										8-11	26.4
										8-25	27.2
										9-15	25.1

NORTH PLATTE RIVER BASIN

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1980

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SKUNK CREEK Sec. 1-14-37 W.							
12-18	2.0	5- 5	3.2	6-30	2.1	8-11	0.2
1-14	2.8	5-19	1.9	7-14	2.0	8-25	.0
3-26	3.9	6- 2	2.6	7-28	1.9	9-15	1.3
4-21	.9	6-16	1.1				
GRAVEL CREEK Sec. 9-14-36 W.							
12-18	3.0	5- 5	9.8	6-30	2.3	8-11	2.6
1-14	3.0	5-19	2.6	7-14	2.0	8-25	2.4
3-26	4.4	6- 2	.9	7-28	2.5	9-15	2.3
4-21	1.4	6-16	2.8				
SARBEN SLOUGH Sec. 20-14-35 W.							
1-15	6.3	5-20	6.0	7-15	3.6	8-26	5.6
3-26	4.5	6- 5	4.4	7-29	3.4	9-16	4.4
4-23	5.1	6-17	4.6	8-11	3.9	9-29	4.3
5- 6	5.4	7- 3	8.7				
CEDAR BRANCH NEAR MEVINS Sec. 17-14-35 W.							
1-15	2.2	5-20	1.5	7-15	1.4	8-26	1.8
3-26	1.4	6- 5	1.6	7-29	1.6	9-16	1.6
4-23	1.4	6-17	1.4	8-11	2.2	9-29	1.7
5- 6	1.4	7- 3	1.9				
KEITH-LINCOLN COUNTY DRAIN NO. 2 Sec. 24-14-35 W.							
1-15	0.0	5-20	0.04	7-15	1.2	8-26	0.9
3-26	.0	6- 5	.2	7-29	.8	9-16	.3
4-23	.01	6-17	.02	8-12	1.3	9-29	.3
5- 6	.01	7- 3	.02				
LINCOLN COUNTY DRAIN NO. 2 Sec. 12-14-33 W.							
1-15	1.1	5-21	1.4	7-16	4.4	8-27	2.6
4-10	4.8	6- 4	1.0	7-30	4.2	9-17	1.3
4-23	2.0	6-18	1.6	8-13	3.2	9-29	1.8
5- 7	1.4	7- 2	.7				

SOUTH PLATTE RIVER BASIN
(LOGGEPPOLE CREEK)

MEASUREMENT OF STREAMS Year Ending September 30, 1980						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
LOGGEPPOLE CREEK AT WYOMING-NEBRASKA STATE LINE Sec. 11-19-59 W.											
11-15	0.0	5- 5	0.0	6-19	0.0	5- 9	3.3	6-10	1.6	LOGGEPPOLE CREEK ABOVE KRUEGER CANAL Sec. 31-14-48 W.	
LOGGEPPOLE CREEK BELOW OLIVER RESERVOIR Sec. 31-15-56 W.											
11- 6	5.2	2-22	37.9	5- 5	8.6	7-11	1.7	LOGGEPPOLE CREEK BELOW KRUEGER LAKE Sec. 29-14-48 W.			
11-15	6.3	3- 3	11.5	5-16	10.3	7-23	.5	6-10	0.2		
12-12	5.6	3-11	10.5	5-29	6.5	8-11	.6	LOGGEPPOLE CREEK AT RALTON Sec. 12-12-45 W.			
12-26	7.7	3-31	10.7	6- 9	.6	8-27	.6	2-21	0.0		
1- 4	8.8	4-10	10.5	6-19	.8	9- 8	.6				
1-18	8.7	4-24	8.2	6-30	.4	9-18	.6				
2- 4	9.6							11-14	0.0		
LOGGEPPOLE CREEK ABOVE BENNETT RESERVOIR Sec. 29-15-55 W.											
10-22	6.7	1-14	12.4	4-14	11.9	7-21	1.2				
11-29	.0	2-19	17.1	5-19	10.9	8-18	.4				
12-10	4.2	3-17	8.7	6-16	1.3	9-15	.4				
LOGGEPPOLE CREEK BELOW BENNETT RESERVOIR Sec. 22-15-55 W.											
3- 5	15.3	5-19	10.0	6- 9	2.1						
LOGGEPPOLE CREEK SOUTH OF BROWNSON Sec. 19-14-50 W.											
11- 6	1.7	1-17	0.0	4-10	2.9	6-19	0.0				
12-12	.0	2-22	573.	4-24	1.7	7-15	.0				
12-26	.0	3- 3	8.0	5- 5	1.4	8-27	.0				
1- 4	.0	3-11	3.7	6- 9	.0	9- 8	.0				
LOGGEPPOLE CREEK AT SIDNEY CITY PARK Sec. 6-13-49 W.											
12-26	0.0	3-11	0.0	5- 5	0.0	7-15	0.0				
1- 4	.0	4-10	.0	6- 9	.0	8-27	.0				
1-17	.0	4-24	.0	6-19	.0	9- 8	.0				
LOGGEPPOLE CREEK AT SIDNEY BRIDGE ON HIWAY 19 Sec. 5-13-49 W.											
2-22	567.	3- 3	0.2								

SOUTH PLATTE RIVER BASIN
(SOUTH PLATTE RIVER)

MEASUREMENT OF STREAMS
Year Ending September 30, 1980

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SOUTH PLATTE RIVER AT ROSCOE Sec. 4-13-37 W.							
10-30	401.	2-26	3260.	5-20	10300.	8-26	12.6
12-17	515.	3-25	1370.	6-23	2830.	9-22	135.
1-29	410.	4-21	2280.	7-29	38.0		
FREMONT SLOUGH ON HIGHWAY 83 Sec. 16-13-30 W.							
11-12	25.1	1-16	26.4	4-11	35.9	4-28	23.8
FREMONT SLOUGH Sec. 17-13-29 W.							
11-12	1.8	5-16	17.8	7-10	4.1	8-22	8.3
1-16	7.8	5-28	12.3	7-24	2.2	9- 5	3.7
4-11	11.8	6-13	6.0	8- 8	1.8	9-26	3.6
4-28	9.3	6-27	7.5				

PLATTE RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1980					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980										
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.				
<u>PLATTE, BRANCH CONFLUENCE TO LOUP</u>						<u>STREVER CREEK SOUTH OF OVERTON Sec. 1-8-20 W.</u>									
<u>AIRPORT DRAIN Sec. 7-13-29 W.</u>						10-3	0.0	11-5	0.0	12-10	0.0	4-15	11.9		
12-12	14.7	6-13	20.6	7-24	35.6	9-5	19.1	<u>BUFFALO CREEK NEAR OVERTON Sec. 20-9-19 W.</u>							
4-11	19.0	6-26	24.0	8-8	36.1	9-26	15.9	7-16	3.6	<u>BUFFALO CREEK NEAR ELM CREEK Sec. 5-8-18 W.</u>					
4-28	34.1	7-10	36.6	8-21	29.1	<u>ELM CREEK NEAR ELM CREEK Sec. 33-9-18 W.</u>									
<u>FLOCK DRAIN Sec. 8-13-29 W.</u>						10-2	3.7	11-5	0.0	12-10	0.0	4-15	1.1		
11-12	4.1	5-16	9.3	7-10	6.5	8-22	5.9	<u>PRAIRIE CREEK NEAR WORMS Sec. 36-14-8 W.</u>							
1-16	6.7	5-28	3.9	7-24	6.8	9-5	4.5	10-2	0.0	<u>PRAIRIE CREEK NEAR CENTRAL CITY Sec. 10-14-7 W.</u>					
4-11	7.4	6-13	5.7	8-8	7.1	9-26	3.2	8-4	0.0	<u>PRAIRIE CREEK (SLOUGH) NEAR CENTRAL CITY Sec. 8-14-7 W.</u>					
4-28	7.4	6-27	6.9	<u>WHITE HORSE CREEK Sec. 5-13-29 W.</u>						8-4	0.0	<u>PRAIRIE CREEK NEAR FULLERTON Sec. 3-14-7 W.</u>			
12-12	26.8	4-11	27.8	4-28	16.0	<u>BULL DRAIN NEAR MAXWELL Sec. 20-13-28 W.</u>						8-4	0.0	<u>PRAIRIE CREEK NEAR FULLERTON Sec. 31-15-6 W.</u>	
12-12	3.5	5-29	2.8	7-10	2.8	8-21	3.2	<u>PAWNEE CREEK Sec. 4-12-27 W.</u>							
4-11	5.1	6-13	2.3	7-24	3.3	9-5	2.0	10-1	5.8	5-30	7.6	7-1	5.1	8-27	6.1
4-28	3.4	6-26	1.9	8-8	2.0	9-26	1.8	12-12-4-14	10.4 13.2	6-17	6.1	8-13	3.2	9-30	5.6
5-16	3.5	<u>SHELDON DRAIN Sec. 14-11-26 W.</u>						<u>PRAIRIE CREEK NEAR FULLERTON Sec. 3-14-7 W.</u>							
10-1	8.2	4-14	11.2	6-17	7.0	8-27	7.4	<u>PRAIRIE CREEK NEAR FULLERTON Sec. 31-15-6 W.</u>							
12-11	7.0	5-30	7.8	7-1	7.6	9-30	6.1	<u>DAWSON COUNTY DRAIN NO. 2 NEAR DARR Sec. 25-10-23 W.</u>							
<u>DAWSON COUNTY DRAIN NO. 2 NEAR DARR Sec. 25-10-23 W.</u>						8-4	0.07								
12-10	4.4														

PLATTE RIVER BASIN

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1980

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		PRAIRIE CREEK NEAR FULLERTON Sec. 36-15-7 W.					
7-12	0.04	8-4	0.0				
		PRAIRIE CREEK BELOW A-4307 Sec. 26-15-6 W.					
7-16	0.82	7-28	0.21	8-4	0.40		
		PRAIRIE CREEK ABOVE A-4307 Sec. 26-15-6 W.					
7-16	1.52	7-28	0.92				
		PRAIRIE CREEK NEAR FULLERTON Sec. 24-15-6 W.					
7-28	0.06						
		PRAIRIE CREEK ABOVE A-3380 Sec. 25-16-5 W.					
7-16	1.22						

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF STREAMS YEAR Ending September 30, 1980						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980							
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.		
<u>MUD CREEK</u>						<u>MUD CREEK NEAR SWEETWATER</u>							
		MUD CREEK NEAR BROKEN BOW NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3-16-20 W.				8-1	1.25	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-12-15 W.					
8-4	0.00	8-11	0.06					MUD CREEK NEAR SWEETWATER NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-13-15 W.					
		MUD CREEK NEAR BROKEN BOW NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3-16-20 W.				7-12	1.13	7-21	4.05	8-7	0.40	8-11	1.20
8-1	0.9					7-18	.72	8-1	1.54				
		MUD CREEK NEAR BROKEN BOW SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13-16-20 W.						MUD CREEK NEAR RAVENNA SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-12-15 W.					
8-1	1.20					7-16	0.87						
		MUD CREEK NEAR BERWYN SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 21-16-19 W.				<u>MIDDLE LOUP RIVER, SOUTH LOUP TO NORTH LOUP</u>							
8-1	0.70							TURKEY CREEK NEAR FARWELL NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20-15-12 W.					
		MUD CREEK NEAR MASON CITY SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 31-15-17 W.				8-14	0.01	9-24	0.0				
8-1	2.43	8-11	5.60					TURKEY CREEK NEAR FARWELL NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-15-12 W.					
		MUD CREEK NEAR MASON CITY NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-15-17 W.				8-14	0.36	9-24	0.30				
8-7	1.40							TURKEY CREEK NEAR FARWELL NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 3-14-12 W.					
		MUD CREEK NEAR HAZARD SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-13-16 W.				8-14	1.08	9-24	1.37				
7-16	0.84	8-1	1.58					TURKEY CREEK NEAR FARWELL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-14-11 W.					
		MUD CREEK NEAR HAZARD SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19-13-15 W.				8-14	1.46						
8-7	1.30							COW CREEK NEAR FARWELL NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-14-11 W.					
						8-14	0.29	9-24	0.10				

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1980

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		BEAVER CREEK NEAR LORETTO SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 26-21-7 W.					
7-10	21.6						
		BEAVER CREEK NEAR ALBION NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22-20-6 W.					
7-10	13.2						
		BEAVER CREEK NEAR BOONE NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 16-19-5 W.					
7-10	3.6						
		BEAVER CREEK NEAR ST. EDWARD SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-19-5 W.					
7-10	1.69						

PLATTE RIVER BASIN
(ELKHORN RIVER)

MEASUREMENT OF STREAMS Year Ending September 30, 1980						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>UPPER ELKHORN</u>											
		WILLOW SWAMP CREEK NEAR EWING SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 13-27-10 W.						BATTLE CREEK NEAR BATTLE CREEK SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-24-2 W.			
4-24	2.15					4-17	16.6	5-15	13.3	7-7	11.8
		CACHE CREEK NEAR EWING SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 13-26-9 W.						<u>NORTH FORK OF THE ELKHORN</u>			
4-24	16.1							ELKHORN RIVER, NORTH FORK, NEAR OSMOND NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-27-3 W.			
		ANTELOPE CREEK NEAR NELIGH SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23-25-7 W.						ELKHORN RIVER, NORTH FORK, NEAR OSMOND SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 12-27-3 W.			
4-17	0.86					7-24	0.76	7-29	0.90		
		CEDAR CREEK NEAR OAKDALE NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 12-24-6 W.						ELKHORN RIVER, NORTH FORK, NEAR OSMOND SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 13-27-3 W.			
4-17	17.0					7-29	0.0				
		IVES CREEK NEAR TILDEN NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15-24-5 W.						ELKHORN RIVER, NORTH FORK, NEAR OSMOND SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 13-27-3 W.			
4-17	0.64					7-24	0.0	7-28	0.26	7-29	0.012
		GILES CREEK NEAR TILDEN SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 13-24-5 W.						ELKHORN RIVER, NORTH FORK, NEAR OSMOND SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 19-27-2 W.			
4-17	2.47					7-24	0.0				
		AL HOPKINS CREEK NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 7-24-4 W.						BRESLAU CREEK NEAR BRESLAU NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 4-27-3 W.			
4-17	0.77					4-14	0.59	9-29	0.0		
		BUFFALO CREEK NEAR MEADOW GROVE NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 26-24-4 W.						DRY CREEK NEAR PIERCE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 10-26-2 W.			
4-17	4.00					4-14	21.7	9-29	4.08		
		DEER CREEK NEAR MEADOW GROVE NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 30-24-3 W.						YANKTON SLOUGH NEAR PIERCE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 13-26-2 W.			
4-17	4.13	7-30	0.46			4-14	2.59	9-29	0.0		

PLATTE RIVER BASIN
(ELKHORN RIVER)

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980							
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.		
SPRING CREEK NEAR NORFOLK SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11-24-1 W.						HUMBURG CREEK NEAR PILGER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28-24-3 E.							
3-14	3.66	9-25	0.78			11-16	4.14	4-14	6.22	6-16	3.43	9-9	0.54
MIDDLE REACH OF THE ELKHORN						ROCK CREEK NEAR BEEMER SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33-23-5 E.							
ELKHORN RIVER, TRIB., NEAR STANTON SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 29-23-1 E.						PLUM CREEK NEAR WEST POINT SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-22-6 E.							
3-14	0.91	9-9	0.0			4-15	9.68	5-29	6.89	7-21	1.48		
ELKHORN RIVER, TRIB., NEAR STANTON SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26-23-1 E.						CUMING CREEK NEAR SCRIBNER SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-20-7 E.							
3-14	4.05					10-11	2.69	4-15	19.0	6-23	8.2	9-8	1.28
PLEASANT RUN CREEK NEAR STANTON NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 25-23-1 E.						LOGAN CREEK							
9-9	0.0	4-15	0.16			11-16	9.97	5-13	6.62				
MERIDIAN CREEK NEAR MADISON SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 7-21-1 E.						LOGAN CREEK, MIDDLE, NEAR LAUREL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-28-3 E.							
4-15	4.98					10-11	0.59	4-15	13.0	6-25	3.09	9-9	0.82
BUTTERFLY CREEK NEAR STANTON SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-23-2 E.						PERRIN CREEK NEAR LAUREL SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 30-29-3 E.							
4-15	0.85	9-9	0.0			11-16	7.95	5-13	3.24				
MASKENTHINE CREEK AT STANTON SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 20-23-2 E.						BAKER CREEK NEAR LAUREL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-28-3 E.							
3-14	0.0	4-15	0.0	9-9	0.0	4-17	1.95	9-24	1.36				
CEDAR CREEK NEAR STANTON NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-23-3 E.						DEER CREEK NEAR WAYNE SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-26-3 E.							
4-15	1.60	9-9	0.0			4-17	5.98	9-24	3.84				
PAYNE CREEK NEAR STANTON SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-23-2 E.						PERRIN CREEK NEAR LAUREL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-28-3 E.							
11-16	0.83	5-29	0.31	7-21	0.0	4-17	1.31	9-24	0.52				
4-15	.52	6-16	.08			4-14	7.21	9-24	0.52				

PLATTE RIVER BASIN
(ELKHORN RIVER)

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
LOGAN CREEK, SOUTH, NEAR WAYNE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 18-26-4 E.							
11-16	8.1	4-14	13.1	6-16	12.0	9-29	1.56
2-14	16.6	5-29	41.1	7-21	2.13		
DOG CREEK NEAR WAYNE SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 26-27-3 E.							
9-29	2.65						
DOG CREEK NEAR WAYNE SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 6-26-4 E.							
4-14	10.9						
<u>LOWER ELKHORN</u>							
CLARK CREEK NEAR WINSLOW NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 19-19-9 E.							
4-15	2.71	9-9	0.0				
MAPLE CREEK, MIDDLE, AT CLARKSON NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 8-20-3 E.							
11-16	1.93	5-13	2.77	7-21	0.34	9-9	0.004
4-15	5.49	6-25	3.20				
MAPLE CREEK, MIDDLE, NEAR SCHUYLER SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 5-18-4 E.							
4-15	7.19	9-9	0.0				
MAPLE CREEK, EAST FORK, NEAR ROGERS NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 2-18-4 E.							
4-15	9.14	9-9	0.16				
BELL CREEK NEAR TALBASTA NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 36-19-9 E.							
10-11	3.78	5-12	14.7	7-10	11.3	9-9	1.33
4-15	28.8	6-24	17.2	8-4	4.5		
RAWHIDE CREEK AT FREMONT SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 10-17-8 E.							
4-15	0.0						

PLATTE RIVER BASIN
(SALT CREEK)

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					MEASUREMENT OF STREAMS Year Ending September 30, 1980					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	
		WAGON TONGUE CREEK NEAR RAYMOND NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 4-12-5 E.					SPRING BRANCH NEAR SPRAGUE NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 5-7-6 E.			
4-21	0.51					5-12	0.73			
		WAGON TONGUE CREEK NEAR RAYMOND SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 3-12-5 E.					CARDWELL BRANCH BELOW YANKEE HILL DAM SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 19-9-6 E.			
4-21	0.10	8-1	0.98	3-27	0.35	7-10	18.4			
		OAK CREEK NEAR GARLAND SW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 12-12-4 E.					CARDWELL BRANCH NEAR LINCOLN Sec. 22-9-6 E.			
6-24	2.9	7-1	1.37	4-24	4.42	5-12	0.05			
		OAK CREEK, MIDDLE, NEAR GARLAND NE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 22-12-4 E.					MIDDLE CREEK, TRIB. TO, NEAR MILFORD SW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 25-10-4 E.			
4-24	2.33					4-21	2.99			
		OAK CREEK, MIDDLE SW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 25-12-4 E.					HAINES BRANCH CREEK NEAR LINCOLN Sec. 4-9-6 E.			
7-1	2.18					5-12	9.21			
		OAK CREEK, MIDDLE, TRIB. TO, NEAR GARLAND SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 25-12-4 E.					OAK CREEK, MIDDLE, NORTH BRANCH SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 31-11-5 E.			
4-24	0.37	6-24	2.66	7-1	0.203	4-25	3.12			
		OAK CREEK NEAR BRANCHED OAK DAM NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 34-12-5 E.					MIDDLE CREEK NEAR LINCOLN Sec. 28-10-6 E.			
4-25	18.2	7-3	5.73	7-11	5.40	7-30	4.25			
6-24	14.2	7-8	2.16	7-17	3.20	8-1	2.88			
7-1	4.59	7-10	2.98	7-28	.38			HUNTERS SLOUGH NEAR TOUHY NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 20-14-5 E.		
		OAK CREEK NEAR RAYMOND NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 6-11-6 E.					8-1	1.58		
4-25	25.5							BATES BRANCH CREEK NEAR VALPARAISO NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 22-13-5 E.		
		ELK CREEK NEAR LINCOLN NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 31-11-6 E.					3-27	1.52		
4-25	2.84							OAK CREEK, NORTH, NEAR RAYMOND SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 2-12-5 E.		
						4-21	12.4			

PLATTE RIVER BASIN
(SALT CREEK)

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980				
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		OAK CREEK, WEST, NEAR LINCOLN SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-11-6 E.					CAMP CREEK NEAR WAVERLY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12-11-8 E.		
4-25	1.29					4-21	5.37		
		JORDAN CREEK NEAR WAVERLY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-11-8 E.					CALLAHAN CREEK NEAR GREENWOOD SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15-12-9 E.		
4-21	1.5					6-17	2.42		
		ROCK CREEK NEAR CERESCO SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-13-6 E.					WAHOO CREEK, NORTH FORK, NEAR MALMO SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 29-15-6 E.		
3-27	2.78					3-27	3.01		
		ROCK CREEK, TRIB. TO, NEAR CERESCO NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35-13-6 E.					WAHOO CREEK, NORTH FORK, TRIB. TO, NEAR WESTON NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31-15-6 E.		
3-27	0.60i					3-27	2.84		
		ROCK CREEK NEAR DAVEY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-12-7 E.					WAHOO CREEK, NORTH FORK, NEAR WESTON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33-15-6 E.		
4-21	7.11					7-25	1.84		
		ASH HOLLOW CREEK NEAR DAVEY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-12-7 E.					WAHOO CREEK NEAR WESTON SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10-14-6 E.		
4-21	0.80					3-27	2.60		
		ASH HOLLOW CREEK, TRIB. TO, NEAR DAVEY NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-12-7 E.					MILLER BRANCH CREEK NEAR WAHOO NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-14-7 E.		
4-21	1.28					3-25	0.56		
		ROCK CREEK NEAR WAVERLY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-12-8 E.					COTTONWOOD CREEK AT PRAGUE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-15-5 E.		
7-23	1.22					3-27	1.60		
		ROCK CREEK NEAR WAVERLY SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-12-8 E.					COTTONWOOD CREEK NEAR MALMO NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22-15-6 E.		
4-21	16.3					3-27	2.88		
						3-25	1.01		
								SAND CREEK NEAR PRAGUE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-16-5 E.	

PLATTE RIVER BASIN

MEASUREMENT OF STREAMS
Year Ending September 30, 1980

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>PLATTE RIVER, SALT CREEK TO MOUTH</u>							
FOUNTAIN CREEK NEAR SOUTH BEND SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24-12-10 E.							
6-17	1.84						
DECKER CREEK NEAR LOUISVILLE NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-12-11 E.							
6-17	1.59						
MILL CREEK AT LOUISVILLE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-12-11 E.							
6-17	1.00						
CEDAR CREEK NEAR LOUISVILLE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13-12-11 E.							
6-17	3.73						
TURKEY CREEK NEAR CEDAR CREEK NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-12-12 E.							
6-17	0.88						
EIGHT MILE CREEK NEAR PLATTSMOUTH SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-12-13 E.							
6-17	3.45						
BACHELOR CREEK NEAR PLATTSMOUTH SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24-12-2 E.							
6-17	0.88						
FOUR MILE CREEK NEAR PLATTSMOUTH SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 16-12-13 E.							
6-17	7.06						
EIGHT MILE CREEK NEAR PLATTSMOUTH SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-12-13 E.							
6-17	11.9						

MISSOURI RIVER TRIBUTARIES
 (PLATTE TO LITTLE NEMAHA)

MEASUREMENT OF STREAMS--Continued
 Year Ending September 30, 1980

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>FOUR MILE CREEK</u>							
FOUR MILE CREEK NEAR NEBRASKA CITY NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 25-8-14 E.							
5-29	4.64						
<u>HONEY CREEK</u>							
HONEY CREEK NEAR PERU NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-6-15 E.							
6-13	3.81						

LITTLE NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1980					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980				
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		SILVER CREEK NEAR PALMYRA NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 2-8-9 E.					NEMAHA RIVER, LITTLE, NORTH FORK, NEAR UNADILLA Sec. 6-9-11 E.		
5-28	1.95					7-29	0.023		
		HOOPER CREEK NEAR UNADILLA NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 33-9-10 E.					NEMAHA RIVER, LITTLE, NORTH FORK, NEAR OTOE SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 19-9-12 E.		
5-28	4.11					5-29	3.60	7-24	0.71
		RUSSELL CREEK NEAR UNADILLA SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 10-8-10 E.					WILSON CREEK NEAR DUNBAR SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 13-8-12 E.		
5-28	1.22					5-29	0.89		
		WOLF CREEK NEAR SYRACUSE NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 18-8-11 E.					FOX CREEK NEAR DUNBAR SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 18-8-13 E.		
5-28	2.66					5-29	2.25		
		NEMAHA RIVER, LITTLE, NEAR SYRACUSE SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 27-8-11 E.					NEMAHA RIVER, LITTLE, NORTH FORK, NEAR LORTON SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 12-7-12 E.		
5-28	16.6	7-18	6.79	7-25	5.7	6-11	10.1		
		BROWNELL CREEK NEAR SYRACUSE SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 26-8-11 E.					SANDY CREEK NEAR TALMAGE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 32-7-13 E.		
5-28	2.11					6-11	1.30		
		MUDDY CREEK NEAR SYRACUSE NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 23-7-11 E.					JONES CREEK NEAR BROCK SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 6-6-13 E.		
5-28	3.65					6-11	2.00		
		NEMAHA RIVER, LITTLE, SOUTH FORK, NEAR TALMAGE NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 29-7-12 E.					HOUSCHINS CREEK NEAR BROCK SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 16-6-13 E.		
6-10	21.0					6-11	2.27		
		NEMAHA RIVER, LITTLE, NEAR TALMAGE NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 20-7-12 E.					NEMAHA RIVER, LITTLE, TRIB. TO, NEAR GLENROCK SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 26-6-13 E.		
6-10	48.4					6-11	2.66		
		SPRING CREEK NEAR TALMAGE NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 27-7-12 E.					NEMAHA RIVER, LITTLE, TRIB. TO, NEAR GLENROCK SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 30-6-14 E.		
6-11	7.02					6-12	0.02		
		NEMAHA RIVER, LITTLE, NORTH FORK TRIB., NEAR ELMWOOD Sec. 13-10-10 E.					ROCK CREEK NEAR AUBURN NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 29-6-14 E.		
7-29	0.018					6-12	6.52		

B I G N E M A H A R I V E R B A S I N

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980				
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		<u>LOWER BIG NEMAHA</u>					<u>HALFBREED CREEK NEAR FALLS CITY</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19-2-17 E.		
		PONY CREEK NEAR FALLS CITY SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22-1-16 E.			6-27	0.02			
6-26	14.9								
		WALNUT CREEK NEAR FALLS CITY SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-1-16 E.							
6-26	23.7								
		HOOSIER CREEK NEAR STELLA SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-3-15 E.							
6-27	0.52								
		WHISKEY RUN NEAR STELLA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-3-14 E.							
6-17	2.32								
		DRY BRANCH NEAR STELLA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-3-14 E.							
6-27	0.90								
		SARDINE BRANCH NEAR VERDON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2-2-15 E.							
6-25	1.85								
		MACKELROY CREEK NEAR VERDON SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-2-16 E.							
6-25	3.65								
		GOOLSBY CREEK NEAR FALLS CITY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 28-2-16 E.							
6-25	4.51								
		SILVER BRANCH NEAR FALLS CITY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 23-2-16 E.							
6-27	0.84								

REPUBLICAN RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980									
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.				
		THOMPSON CREEK NEAR RIVERTON ¹ Sec. 15-2-13 W.						LOUISA CREEK NEAR RED CLOUD Sec. 17-1-11 W.							
5-5 6-10	17.8 20.1	7-14	16.3	10-1	13.3	11-20	17.8	7-1	0.34						
		FARMERS CREEK NEAR INAVALE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-2-12 W.						REPUBLICAN RIVER, TRIB. TO, NEAR RED CLOUD NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 16-1-11 W.							
7-1	1.43							7-1	1.0						
		WALNUT CREEK NEAR INAVALE SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-1-12 W.						PENNY CREEK NEAR RED CLOUD NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-1-11 W.							
7-1	2.04							7-1	0.09						
		DRY CREEK NEAR INAVALE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-1-12 W.						INDIAN CREEK NEAR RED CLOUD SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 33-2-11 W.							
7-1	0.00							7-1	0.97						
		SPRING CREEK AT INAVALE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-2-12 W.						REPUBLICAN RIVER, TRIB. TO, NEAR RED CLOUD SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-1-11 W.							
7-1	2.55							7-8	0.17						
		BUFFALO CREEK NEAR INAVALE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2-1-12 W.						REPUBLICAN RIVER, TRIB. TO, NEAR RED CLOUD SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 7-1-10 W.							
7-1	0.51							7-8	0.0						
		SCHOOL CREEK NEAR INAVALE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-2-12 W.						CROOKED CREEK AT RED CLOUD NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-1-11 W.							
7-1	0.0							7-7	0.62						
		HUNGRY CREEK NEAR INAVALE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-1-12 W.						DRY CREEK NEAR RED CLOUD NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-1-10 W.							
7-1	0.00							7-7	5.98						
		STATE CREEK NEAR INAVALE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-1-11 W.						ELM CREEK NEAR AMBOY ¹ Sec. 28-2-10 W.							
7-1	0.0							5-5 6-10	11.6 11.2	7-14	10.4	10-1	8.5	11-20	8.8

REPUBLICAN RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980			
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
			ELM CREEK NEAR RED CLOUD NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3-1-10 W.				GIMLET CREEK NEAR SUPERIOR NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-1-8 W.
7-7	11.1			7-8	0.00		
			HICKS CREEK NEAR RED CLOUD NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-1-10 W.				BEAVER CREEK NEAR SUPERIOR NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17-1-8 W.
7-8	0.02			7-7	1.74		
			WILLOW CREEK NEAR GUIDE ROCK SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-2-10 W.				MIDDLE CREEK NEAR SUPERIOR SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-1-8 W.
7-7	0.43			7-7	0.01		
			ADVENT CREEK NEAR GUIDE ROCK SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-1-9 W.				COTTONWOOD CREEK NEAR SUPERIOR NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-1-8 W.
7-9	0.18			7-7	0.22		
			MINNIE SOAP CREEK AT GUIDE ROCK SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-1-9 W.				SAND CREEK NEAR SUPERIOR SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-1-8 W.
7-8	0.00			7-7	0.0		
			SOAP CREEK NEAR GUIDE ROCK SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10-1-9 W.				REPUBLICAN RIVER, UNNAMED TRIB., NEAR SUPERIOR SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20-1-7 W.
7-8	0.0			7-7	0.0		
			ASH CREEK NEAR GUIDE ROCK SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15-1-9 W.				REPUBLICAN RIVER, TRIB. TO, NEAR SUPERIOR SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 21-1-7 W.
8-7	0.54			7-8	0.0		
			AYERS CREEK NEAR SUPERIOR SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-1-8 W.				LOST CREEK NEAR SUPERIOR SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26-1-7 W.
7-8	0.02			8-7	0.09		
			CROOKED AUGER CREEK NEAR SUPERIOR SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 20-1-8 W.				BLAKELY-OAK CREEK NEAR SUPERIOR SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-1-6 W.
7-8	0.00			7-7	0.44		

REPUBLICAN RIVER BASIN

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1980

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		CROSBY CREEK NEAR HARDY NE $\frac{1}{4}$ NM $\frac{1}{4}$ Sec. 34-1-6 W.					
7-1	5.43						
		FORSHA CREEK NEAR HARDY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 32-1-5 W.					
7-7	0.00						

BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1980								MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980							
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>UPPER BIG BLUE</u>								BIG BLUE RIVER, NORTH BRANCH, TRIB., NEAR GARRISON SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-15-2 E.							
4-14	0.0	BIG BLUE RIVER AT MARQUETTE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-12-6 W.						4-9	3.71						
4-8	1.58	BIG BLUE RIVER AT STROMSBURG SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 7-13-2 W.						4-9	7.71	KEZAN CREEK NEAR GARRISON NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35-14-2 E.					
4-8	0.0	PRAIRIE CREEK, TRIB., NEAR POLK SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-13-4 W.						4-9	20.2	BIG BLUE RIVER, NORTH BRANCH, NEAR ULYSSES SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-13-2 E.					
4-8	0.07	PRAIRIE CREEK NEAR STROMSBURG SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1-13-3 W.						4-21	17.8	7-12	4.31	7-18	8.01	8-7	1.50
								6-24	33.5	7-15	7.92	7-31	6.26	8-9	2.85
								7-10	1.61	7-16	5.98	8-5	4.73	8-10	4.0
4-8	0.0	DAVIS CREEK NEAR OSCEOLA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 26-14-2 W.						BIG BLUE RIVER NEAR STAPLEHURST SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-12-2 E.							
4-8	0.0	BIG BLUE RIVER, TRIB., NEAR SURPRISE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-13-1 E.						7-11	1.34	7-14	4.66	7-17	4.66	7-31	3.42
								7-12	3.28	7-15	8.19	7-18	5.73	8-5	5.67
								7-12	1.78	7-16	7.80	7-22	5.69	8-10	2.4
4-9	0.0	BIG BLUE RIVER AT SURPRISE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-13-1 W.						8-1	6.57	8-7	2.41	BIG BLUE RIVER NEAR SEWARD SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-11-3 E.			
7-14	1.64	7-18	2.91	7-24	1.25	8-5	3.34	BIG BLUE RIVER NEAR SEWARD SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-11-3 E.							
7-16	1.62							7-14	1.43	7-21	3.57	8-1	1.38		
								7-15	3.4	7-24	4.36	8-5	3.45		
								7-16	6.19	7-29	0.87				
4-9	0.0	BIG BLUE RIVER NEAR ULYSSES NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20-13-2 E.						BIG BLUE RIVER NEAR SEWARD SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-11-3 E.							
		BIG BLUE RIVER, NORTH BRANCH, TRIB., NEAR RISING CITY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 33-14-2 E.						7-11	1.29	7-15	.72	8-1	0.32	8-7	1.42
								7-14	0.0	7-23	1.86	8-2	1.21	8-8	1.13
4-9	1.94							7-15	1.55	7-28	2.83	8-5	2.32		

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MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	
		LINCOLN CREEK AT AURORA SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 33-11-6 W.					BIG WEEDY CREEK NEAR SEWARD NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 3-11-3 E.			
4-14	0.0					4-24	0.32			
		LINCOLN CREEK NEAR YORK SW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 19-11-2 W.					PLUM CREEK NEAR SEWARD NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 15-11-3 E.			
4-9	6.39					4-21	6.76			
		COON BRANCH CREEK NEAR YORK SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 7-11-2 W.					BIG BLUE RIVER, TRIB., NEAR SEWARD SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 28-11-3 E.			
4-9	0.0					4-24	0.16			
		LINCOLN CREEK NEAR THAYER NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 20-12-1 W.					CLARK CREEK NEAR SEWARD NW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 34-11-3 E.			
4-9	0.0					4-21	0.61			
		LINCOLN CREEK NEAR GRESHAM NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 26-12-1 W.					SHADLEY VALE CREEK NEAR RUBY SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 2-10-3 E.			
4-9	10.5	7-16	7.83	7-21	9.37	7-28	13.1			
6-24	4.22	7-18	9.82	7-24	8.58	8-5	7.75			
		LINCOLN CREEK NEAR GRESHAM NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 36-12-1 W.					LONE TREE CREEK NEAR SEWARD SE $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 9-10-3 E.			
7-14	8.14					4-21	0.004			
		LINCOLN CREEK NEAR SEWARD NW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 24-11-2 E.					CROOKED CREEK NEAR SEWARD NW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 16-10-3 E.			
7-9	6.68	7-14	11.1	7-30	14.1	4-21	0.44	7-15	0.41	
		BRUSH CREEK NEAR STAPLEHURST NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 3-11-2 E.					BIG BLUE RIVER AT WEST "O" NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 26-10-3 E.			
4-21	0.01					7-9	4.09	7-13	5.93	
		BIG BLUE RIVER AT SEWARD NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 28-11-3 E.					7-12	5.96	7-14	6.52
7-9	6.98	7-14	10.8					7-15	12.0	
								7-17	6.15	
								8-3	11.2	
								WOLF CREEK NEAR MILFORD NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 36-10-3 E.		
						4-21	0.15			

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MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		WOLF CREEK NEAR UNION SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-10-3 E.					
6-18	0.10						
		COON CREEK NEAR MILFORD NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-9-3 E.					
4-21	0.38	7-15	1.51				
		BIG BLUE RIVER AT BLUE BLUFFS DAM NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-9-4 E.					
4-24	51.6						
		BIG BLUE RIVER NEAR MILFORD SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 20-9-4 W.					
7-9	16.5						
		BIG BLUE RIVER BELOW HAVLAT PUMP SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 30-9-4 E.					
7-20	1.96						
		BIG BLUE RIVER NEAR MILFORD NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-9-4 E.					
7-13	1.74	7-17	5.34	7-24	0.61	7-29	1.22
7-15	3.22	7-21	0.72	7-26	2.75	7-30	0.68
7-17	6.60						
		<u>WEST FORK OF THE BIG BLUE RIVER</u>					
		BIG BLUE RIVER, WEST FORK NEAR HASTINGS NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 3-7-9 W.					
4-14	4.33						
		BIG BLUE RIVER, WEST FORK, TRIB., NEAR TRUMBULL NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 14-8-8 W.					
4-14	0.0						

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1980

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		BIG BLUE RIVER, WEST FORK, TRIB., NEAR ELDORADO NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 4-8-6 W.					
4-14	0.0						
		BIG BLUE RIVER, WEST FORK, NEAR STOCKHAM NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-9-6 W.					
4-14	4.13						
		BIG BLUE RIVER, NORTH BRANCH, WEST FORK, NEAR STOCKHAM NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27-9-6 W.					
4-14	0.0						
		BIG BLUE RIVER, WEST FORK, TRIB., NEAR STOCKHAM NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-9-5 W.					
4-14	0.0						
		BIG BLUE RIVER, WEST FORK, TRIB., NEAR LUSHTON NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26-9-4 W.					
4-9	0.0						
		SCHOOL CREEK, TRIB. TO, NEAR HARVARD SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31-8-6 W.					
4-14	0.0						
		SCHOOL CREEK NEAR HARVARD NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-7-6 W.					
4-14	0.0						
		SCHOOL CREEK, TRIB. TO, NEAR SUTTON SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-8-5 W.					
4-14	0.0						
		SCHOOL CREEK NEAR GRAFTON NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-8-4 W.					
4-15	0.41						
		BIG BLUE RIVER, WEST FORK, TRIB., NEAR GRAFTON NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-8-3 W.					
4-15	0.0						

BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		BIG BLUE RIVER, WEST FORK, NEAR McCOOL JUNCTION NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-9-3 W.						BIG BLUE RIVER, WEST FORK, TRIB., NEAR BEAVER CROSSING SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2-9-1 E.			
4-9	43.6					4-21	0.05				
		BIG BLUE RIVER, WEST FORK, TRIB., NEAR McCOOL JUNCTION NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24-9-3 W.						WALNUT CREEK NEAR BEAVER CROSSING NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-9-2 E.			
4-9	0.0					4-21	0.23				
		BEAVER CREEK NEAR AURORA SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15-10-6 W.						JOHNSON CREEK, TRIB. TO, NEAR DORCHESTER NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-8-2 E.			
4-14	0.0					4-16	0.0				
		BEAVER CREEK NEAR BRADSHAW SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11-10-4 W.						JOHNSON CREEK NEAR DORCHESTER NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-8-3 E.			
7-12	3.40					4-16	0.26				
		BEAVER CREEK, TRIB. TO, NEAR YORK SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-10-3 W.						<u>LOWER BIG BLUE RIVER</u>			
4-9	0.0							WALNUT CREEK NEAR CRETE SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-8-4 E.			
		BEAVER CREEK AT YORK SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-10-4 W.						SQUAW CREEK NEAR CRETE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-7-4 E.			
4-9	8.2					4-16	4.65				
		BEAVER CREEK, TRIB. TO, NEAR WACO NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 29-10-1 W.						PRAIRIE CREEK NEAR WILBER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 26-6-4 E.			
4-9	0.0					4-16	0.20				
		BEAVER CREEK NEAR BEAVER CROSSING NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32-10-1 E.						CLATONIA CREEK NEAR DE WITT NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-5-5 E.			
4-21	5.01					5-13	1.45				
		INDIAN CREEK NEAR BEAVER CROSSING SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-9-1 E.						TURKEY CREEK, TRIB. TO, NEAR GENEVA SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 29-7-3 W.			
4-21	0.36					4-15	0.0				

BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980				
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
			TURKEY CREEK NEAR GENEVA SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27-7-2 W.				SPRING CREEK NEAR WESTERN NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-5-2 E.		
4-15	0.0			4-16	0.0				
			TURKEY CREEK, SOUTH FORK, NEAR MILLIGAN SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-6-1 W.				SWAN CREEK, SOUTH FORK, NEAR SWANTON SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-5-3 E.		
4-15	0.75			4-16	2.53				
			TURKEY CREEK, TRIB. TO, NEAR MILLIGAN NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-7-1 W.				SWAN CREEK, TRIB., NEAR SWANTON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-5-3 E.		
4-15	0.10			4-16	0.0				
			TURKEY CREEK NEAR MILLIGAN SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-7-1 E.				WALNUT GROVE CREEK NEAR SWANTON SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-5-3 E.		
4-16	5.91			4-16	0.66				
			TURKEY CREEK, TRIB., NEAR MILLIGAN SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-7-1 E.				PLUMMERS BRANCH NEAR SWANTON NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-5-4 E.		
4-16	0.14			4-16	0.0				
			TURKEY CREEK, TRIB. TO, NEAR FRIEND NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 4-7-2 E.				SWAN CREEK NEAR DE WITT NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 16-5-4 E.		
4-16	1.07			4-16	26.3				
			SPRING CREEK NEAR PLEASANT HILL SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-7-3 E.				TURKEY CREEK NEAR DE WITT NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-5-5 E.		
4-16	1.55			5-13	34.9				
			DRY CREEK NEAR WILBER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-6-3 E.				SOAP CREEK NEAR DE WITT SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-5-5 E.		
4-16	0.81			5-13	0.60				
			BRUSH CREEK NEAR WILBER NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-6-4 E.				BIG BLUE RIVER, TRIB., NEAR BEATRICE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-4-5 W.		
4-16	0.08			5-14	0.0				
			SWAN CREEK, NORTH FORK, NEAR WESTERN NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-6-2 E.				SNAKE CREEK NEAR BEATRICE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-4-5 E.		
4-16	0.0			5-13	0.0				

BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980				
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
			CUB CREEK NEAR BEATRICE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-4-5 E.				PIERCE CREEK NEAR BEATRICE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-4-7 E.		
5-14	5.24					5-13	1.19		
			BOTTLE CREEK NEAR BEATRICE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-4-6 E.						BEAR CREEK NEAR BEATRICE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-3-6 E.
5-14	0.29					5-14	6.71		
			BIG BLUE RIVER, TRIB. TO, NEAR BEATRICE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32-4-6 E.						CEDAR CREEK NEAR BEATRICE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-3-7 E.
5-14	0.19					5-14	1.81		
			INDIAN CREEK, TRIB. TO, NEAR PICKRELL NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10-5-6 E.						BIG BLUE RIVER, TRIB., NEAR BEATRICE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 7-3-7 E.
5-13	0.32					5-14	0.27		
			POSSUM CREEK NEAR PICKRELL NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-5-6 E.						BLOODY RUN CREEK NEAR HOLMESVILLE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23-3-7 E.
5-13	0.01					5-14	0.65		
			TOWN CREEK NEAR PICKRELL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26-5-6 E.						MUD CREEK NEAR BLUE SPRINGS SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33-3-7 E.
5-13	0.19					5-14	4.70		
			INDIAN CREEK NEAR BEATRICE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-4-6 E.						BIG BLUE RIVER, TRIB. TO, NEAR BLUE SPRINGS SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-2-7 E.
5-14	2.97					5-14	0.23		
			BEAR CREEK, TRIB. TO, NEAR BEATRICE NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-4-7 E.						BIG BLUE RIVER, TRIB. TO, AT BLUE SPRINGS SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17-2-7 E.
5-13	0.14					5-15	0.02		
			BEAR CREEK NEAR BEATRICE Sec. 8-4-7 E.						BILLS CREEK NEAR BLUE SPRINGS SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-2-7 E.
5-13	3.59					5-15	0.41		
									SPRING CREEK NEAR DILLER NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-2-5 E.
						5-13	0.0		

LITTLE BLUE RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1980					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	
		<u>UPPER LITTLE BLUE</u>					<u>PAWNEE CREEK NEAR DEWEESE</u>			
		SAND CREEK NEAR ROSELAND NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 19-5-11 W.			4-14	0.49	NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 16-5-8 W.			
4-15	0.0							LIBERTY CREEK NEAR LAWRENCE		
		COTTONWOOD CREEK NEAR ROSELAND NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 10-5-11 W.			5-29	2.40	SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 2-4-8 W.			
4-15	0.0							BUFFALO CREEK NEAR NELSON		
		FLAT CREEK NEAR ROSELAND SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 14-5-11 W.			5-29	0.0	SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 1-4-7 W.			
4-15	0.0							WALNUT CREEK NEAR NELSON		
		DOVE CREEK NEAR AYR SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 17-5-10 W.			5-29	0.25	SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 12-4-7 W.			
4-15	0.0							OX BOW CREEK NEAR OAK		
		SCOTT CREEK NEAR AYR NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 28-6-10 W.			5-29	0.08	NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 34-4-6 W.			
4-15	0.38							LITTLE BLUE RIVER NEAR ANGUS		
		THIRTY-TWO MILE CREEK NEAR AYR NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 26-6-10 W.			8-1	3.71	NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 34-4-6 W.			
4-15	0.11							LITTLE BLUE RIVER NEAR ANGUS		
		ASH CREEK NEAR PAULINE NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 9-5-9 W.			8-4	4.68	8-6	16.4	8-7	9.4
4-15	0.42							ELK CREEK NEAR OAK		
		CROOKED CREEK NEAR PAULINE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 13-5-9 W.			5-28	2.82	SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 7-3-5 W.			
4-15	0.13							OAK CREEK NEAR OAK		
		PAWNEE CREEK, TRIB., NEAR HASTINGS NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 35-6-9 W.			5-29	0.0	SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 17-3-5 W.			
4-15	0.0							TURTLE CREEK NEAR OAK		
								NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 15-3-5 W.		
								5-29	0.0	

LITTLE BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1980

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
			THAWES CREEK NEAR OAK SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 23-3-5 W.				
5-29	0.0						
			SPRING CREEK, TRIB., NEAR HEBRON NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 22-2-3 W.				
5-28	0.35						
			SPRING CREEK NEAR HEBRON SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 12-2-3 W.				
5-28	2.76						
			DRY CREEK NEAR HEBRON NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 15-2-2 W.				
5-28	0.90						
			LITTLE BLUE RIVER NEAR POWELL SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 19-3-1 E.				
5-27	106.						
			LITTLE BLUE RIVER, TRIB., NEAR POWELL NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 30-3-1 E.				
5-27	0.26						
			<u>BIG SANDY CREEK</u>				
			BIG SANDY CREEK NEAR DAVENPORT NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 7-4-4 W.				
5-28	0.0						
			LITTLE SANDY CREEK NEAR DAVENPORT NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 8-4-4 W.				
5-28	0.0						
			DRY CREEK NEAR CARLETON NW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 21-4-3 W.				
5-28	0.0						

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1980

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
			BIG SANDY CREEK NEAR BELVIDERE NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 8-3-2 W.				
5-28	0.0						
			BIG SANDY CREEK, SOUTH FORK, NEAR BELVIDERE SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 17-3-2 W.				
5-28	0.0						
			DRY SANDY CREEK NEAR STRANG SW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 33-5-2 W.				
4-15	0.06						
			DRY SANDY CREEK NEAR ALEXANDRIA NW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 5-3-1 W.				
5-28	0.03						
			BIG SANDY CREEK NEAR ALEXANDRIA SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 4-3-1 W.				
5-28	5.43						
			BIG SANDY CREEK NEAR ALEXANDRIA SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 11-3-1 W.				
5-28	21.0						
			BIG SANDY CREEK NEAR POWELL SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 16-3-1 E.				
5-27	25.8						
			<u>LOWER LITTLE BLUE</u>				
			LITTLE SANDY CREEK NEAR FAIRBURY NW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 19-3-2 E.				
5-27	1.86						
			WHISKEY CREEK NEAR FAIRBURY NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 4-2-2 E.				
5-27	0.41						

LITTLE BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1980					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	
		LITTLE BLUE RIVER, TRIB., NEAR FAIRBURY NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 22-2-2 E.					ROSE CREEK NEAR FAIRBURY NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-1-2 E.			
5-27	0.04					5-27	23.4			
		BRAUNERS CREEK NEAR FAIRBURY SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23-2-2 E.					ROSE CREEK NEAR ENDICOTT NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12-1-2 E.			
5-28	0.0					5-28	28.4			
		ROSE CREEK AT STATE LINE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-1-2 W.					DRY CREEK NEAR FAIRBURY SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-1-2 E.			
5-28	3.5					5-28	1.17			
		ROSE CREEK, TRIB. TO, NEAR HUBBELL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 25-1-2 W.					SMITH CREEK NEAR ENDICOTT SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-1-3 E.			
5-28	0.02					5-28	0.35			
		SPRING BRANCH NEAR HUBBELL NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 17-1-1 W.					ROCK CREEK NEAR ENDICOTT NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-1-3 E.			
5-28	2.47					5-28	1.02			
		BALLS BRANCH NEAR REYNOLDS NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12-1-1 W.					COON CREEK NEAR ENDICOTT SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15-1-3 E.			
5-28	1.84					5-28	0.69			
		WILEY CREEK NEAR REYNOLDS SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22-1-1 E.								
5-27	1.34									
		BUCKLEY CREEK NEAR REYNOLDS SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-1-1 E.								
5-27	1.51									
		SILVER CREEK NEAR REYNOLDS SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-1-2 E.								
5-27	1.42									

¹ Measurements taken by the Nebraska Department of Environmental Control

² Measurements taken by the Lower Loup Natural Resources District

MISCELLANEOUS DISCHARGE MEASUREMENTS OF
CANAL AND PUMP DIVERSIONS 1980

C H E Y E N N E R I V E R B A S I N
(H A T C R E E K)

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1980

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
ANDREWS SUPPLY CANAL--A-2530 From Sow Belly Creek--Sec. 5-32-55 W.							
11- 5	1.5	12-10	2.3	12-21	0.8	1-18	0.7
ZIMMERMAN CANAL--A-532, A-4790 From Sow Belly Creek--Sec. 34-33-55 W.							
1-18	1.5	2- 4	2.5				
COFFEE CANAL, EAST--D-512 From Hat Creek--Sec. 26-33-55 W.							
7- 7	1.3						
MONTGOMERY CANAL--D-659 From Sow Belly Creek--Sec. 21-33-55 W.							
10- 9	0.0						
COFFEE FLOOD CANAL--A-1236 From Hat Creek--Sec. 14-33-55 W.							
10- 9	0.0	7- 7	0.0				
WASSERBURGER PUMP--A-3291 From Hat Creek--Sec. 24-34-55 W.							
7- 7	0.0						

WHITE RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1980

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
COOPER CANAL--A-333 From Squaw Creek--Sec. 36-32-52 W.							
10- 4	0.4						
WHITE RIVER CANAL--D-447, A-936 From White River--Sec. 34-32-52 W.							
6- 9	7.3						
HARRIS-COOPER CANAL--D-464a, D-464b From White River--Sec. 26-32-52 W.							
10-16	8.9	6- 9	0.0				
WHITNEY PIPE LINE--A-1625 From White River--Sec. 26-32-52 W.							
12-18	31.8	5-21	0.0	8- 5	0.0	8-25	0.0
4-10	.0						

N I O B R A R A R I V E R B A S I N

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
SHANE PUMP--A-14736 From Spring Creek, Trib. to--Sec. 11-34-18 W.							
7-22	1.9	7-23	1.9				

NORTH PLATTE RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
PETERS CANAL--D-913 From Pumpkin Creek--Sec. 2-19-56 W.					
5-6	0.0	7-2	0.0	7-18	0.0
LOGAN LOWER CANAL--D-902 From Pumpkin Creek--Sec. 7-19-55 W.					
5-3	0.4	7-2	0.2	7-18	0.0
SCOTT CANAL--A-711 From Pumpkin Creek--Sec. 7-19-55 W.					
5-3	0.0	7-2	0.0	7-18	0.
MEADS PUMP--A-698R, A-699R, A-1133R, A-1380R From Pumpkin Creek--Sec. 6, 5, 1-19-55 W.					
5-6	0.0	7-2	0.0	7-18	0.0
EHRMAN PUMP--A-3859 From Pumpkin Creek--Sec. 18-19-53 W.					
5-3	0.0	7-2	0.0	7-18	0.0
OLSEN PUMP--A-11439 From Pumpkin Creek--Sec. 23-19-53 W.					
5-3	0.0	7-2	0.0	7-18	0.0
THURMAN PUMP--A-11526 From Pumpkin Creek--Sec. 23-19-53 W.					
5-3	0.6	7-2	0.0	7-18	0.0
SEARS PUMP--A-2117 From Pumpkin Creek--Sec. 25-19-53 W.					
5-6	0.0	7-2	0.0	7-18	0.0
NIELSEN CANAL AND PUMP--A-6811 From Pumpkin Creek--Sec. 30-19-52 W.					
5-6	1.7	7-2	0.5	7-18	0.04

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
RANDALL CANAL--A-1100 From Lawrence Fork Creek--Sec. 21-18-52 W.							
2-4	3.3	7-2	0.0	9-18	0.0		
NIEHUS CANAL--A-550 From Lawrence Fork Creek--Sec. 11-18-52 W.							
7-2	0.0	9-18	0.0				
SPRING BRANCH CANAL--D-862R, D-893R, A-699R From Lawrence Fork Creek--Sec. 11-18-52 W.							
7-2	0.0	7-11	1.4	9-18	0.8		
KILPATRICK RESERVOIR (INFLOW) From Snake Creek--Sec. 31-25-51 W.							
8-25	0.7						
KILPATRICK RESERVOIR STORAGE (ACRE-FEET) From Snake Creek--Sec. 1-24-52 W.							
7-25	925.	8-25	624.	9-30	257.		
KILPATRICK RESERVOIR (OUTFLOW) From Snake Creek--Sec. 1-24-52 W.							
7-9	8.5	8-25	10.5				
SMITH-WHEELER CANAL, NORTH AND SOUTH--D-842a, D-842b From Pumpkin Creek--Sec. 26-19-52 W.							
5-6	1.4	7-2	1.4	7-18	0.0		
LAUX PUMP--A-4689 From Pumpkin Creek--Sec. 29-19-50 W.							
7-2	0.0	7-18	0.0				
NELSON CANAL--D-845 From Greenwood Creek--Sec. 33-18-50 W.							
6-10	0.0						
TRINNIER CANAL--D-849, A-1551 From Greenwood Creek--Sec. 28-18-50 W.							
6-10	0.6						

NORTH PLATTE RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
CAPRON CANAL--D-890, A-9536 From Greenwood Creek--Sec. 15-18-50 W.							
6-10	0.0						
MEGLEMERE CANAL--A-294, A-853 From Greenwood Creek--Sec. 3-18-50 W.							
6-10	7.8						
HANNAH CANAL--D-886 From North Platte River--Sec. 24-18-47 W.							
10-2	0.0	6-3	0.0	7-15	0.0	8-26	0.0
5-6	.0	6-10	.0	7-22	.0	9-2	.0
5-13	.0	6-17	.0	7-29	.0	9-9	.0
5-20	.0	6-24	.0	8-5	.0	9-23	.0
5-27	.0	7-1	.0	8-12	.0	9-30	.0
		7-8	.0				
BARBER CANAL--D-754, A-1111 From Clear Creek--Sec. 29-16-41 W.							
7-17	4.6						
NORTH PLATTE CANAL LATERAL SPILL Into Lincoln County Drain No. 1--Sec. 24-14-31 W.							
5-22	4.4	6-25	9.6	7-30	3.0	9-4	4.1
5-28	24.0	7-2	.0	8-6	5.0	9-24	12.9
6-4	.0	7-9	.0	8-13	10.3	9-27	14.4
6-11	.7	7-16	.05	8-20	11.4		
6-18	10.7	7-23	6.5	8-27	11.3		
NORTH PLATTE CANAL TERMINAL SPILL Into North Platte River--Sec. 25-14-31 W.							
5-28	0.0	7-2	0.3	7-30	0.0	8-27	0.5
6-4	.9	7-9	.0	8-6	.0	9-4	14.6
6-13	.0	7-16	.2	8-13	.3	9-17	14.9
6-18	21.5	7-23	.4	8-20	.7	9-24	12.6
6-25	5.4						

SOUTH PLATTE RIVER BASIN
(LOGGEPOLLE CREEK)

MEASUREMENT OF CANALS AND PUMPS Year Ending September 30, 1980						MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980					
Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
TRACY CANAL--A-870 From Lodgepole Creek--Sec. 12-14-59 W.						HURLEY-LILLY-POLLY CANAL--D-354 From Lodgepole Creek--Sec. 26-15-56 W.					
5- 5	0.0	6-19	0.0			5- 5	0.0	6- 9	0.0	7-11	1.9
						5-16	.0	6-19	.0	7-23	.2
						5-29	.0	6-30	.6	8-11	.1
										8-27	0.3
										9- 8	.0
										9-18	.0
HOOVER CANAL--D-353 From Lodgepole Creek--Sec. 12-14-59 W.						BICKEL-FADEN CANAL--D-347, A-219, A-724 From Lodgepole Creek--Sec. 30-15-55 W.					
5- 5	0.0	6-19	0.0			5-16	0.0	6-19	0.0	7-23	0.0
						5-29	.0	6-30	.0	8-11	.0
						6- 9	.0	7-11	.0	8-27	.0
										9- 8	0.3
										9-18	.0
PLATT PUMP--A-12931 From Lodgepole Creek--Sec. 31-15-57 W.						ATKINS-POLLY CANAL--D-342, D-344, A-897R From Lodgepole Creek--Sec. 30-15-55 W.					
5- 5	0.0	6- 9	1.2	7-11	1.2	8-27	0.0	5- 5	0.0	6- 9	0.0
5-16	.0	6-19	.0	7-23	.9	9- 8	.0	5-16	.0	6-19	.0
5-29	.6	6-30	1.0	8-11	1.3	9-18	.0	5-29	.0	6-30	.2
										8-11	.0
										8-27	0.0
										9-18	.5
ADAMSON PUMP--A-13381 From Lodgepole Creek--Sec. 33-15-57 W.						OWASCO CANAL--D-347, A-725 From Lodgepole Creek--Sec. 29-15-55 W.					
5- 5	0.0	7-23	0.0	9- 8	0.0	8-27	0.0	5- 5	0.0	6- 9	0.0
						5-16	.0	5-16	.0	6-19	.0
						5-29	.0	5-29	.0	7-23	.5
										8-11	.0
										9- 8	.3
										9-18	.3
RUTTNER-KINNEY CANAL, SOUTH--D-345, D-350, A-718R, A-1828 From Lodgepole Creek--Sec. 31-15-56 W.						BENNETT CANAL--A-691, A-1975 From Lodgepole Creek--Sec. 22-15-55 W.					
5- 5	0.0	5-29	0.0	6-19	0.0	8-27	0.0	5-19	0.0	6-30	0.0
						9-18	.0	5-29	7.9	7-11	.0
								6- 9	.0	8-11	.0
										8-27	0.0
										9-18	.0
RUTTNER PUMP, NEW--A-857R From Lodgepole Creek--Sec. 33-15-56 W.						McINTOSH CANAL--D-351, A-734 From Lodgepole Creek--Sec. 23-15-55 W.					
5- 5	0.0	6-19	0.0	7-23	0.0	9- 8	0.0	5- 5	0.0	7-11	1.3
5-29	.0	6-30	.0	8-11	.0	9-18	.0	6- 9	3.1	7-23	.4
6- 9	.4	7-11	.0	8-27	.0			6-30	1.7	8-27	.0
										9- 8	0.0
										9-18	.0
FORSLING-KINNEY CANAL--D-348, A-718 From Lodgepole Creek--Sec. 33-15-56 W.						CIRCLE ARROW CANAL--D-346 From Lodgepole Creek--Sec. 30-15-54 W.					
7-23	0.0	8-27	0.0					5- 5	0.0	7-11	0.2
								6- 9	.0	7-23	.0
								6-30	.0	8-11	0.0
										8-27	.0
										9-18	0.0
FERGUSON PUMP--D-345R, D-348R From Lodgepole Creek--Sec. 34-15-56 W.											
5- 5	0.0	6-19	0.0	7-23	1.3	9-18	0.0				
5-29	.0	6-30	.8	8-11	.0	9-18	.0				
6- 9	.0	7-11	.0	8-27	.0						

SOUTH PLATTE RIVER BASIN
(LOGGEPOLLE CREEK)

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1980

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		ADAMS CANAL--D-371 From Lodgepole Creek--Sec. 3-14-52 W.			
6- 9	0.0				
		CHRISTENSEN CANAL, NORTH--D-367 From Lodgepole Creek--Sec. 7-14-51 W.			
5- 5	0.0	6- 9	0.0		
		RUNGE CANAL NO. 1--D-339 From Lodgepole Creek--Sec. 20-14-50 W.			
7-15	0.0				
		BORDWELL CANAL, NORTH--D-303 From Lodgepole Creek--Sec. 35-14-49 W.			
5- 9	0.0	6-10	0.0	7-15	0.0
		KRUEGER CANAL NO. 2--D-324 From Lodgepole Creek--Sec. 32-14-48 W.			
5- 9	3.5	6-10	0.4	7-15	0.0
		KRUEGER CANAL NO. 3--D-323 From Lodgepole Creek--Sec. 32-14-48 W.			
5- 9	0.0	6-10	0.0	7-15	0.0
		KRUEGER CANAL NO. 1--D-968 From Lodgepole Creek--Sec. 29-14-48 W.			
5- 9	0.0	6-10	0.2	7-15	0.0
		MISEGADIS PUMP--A-9073 From Lodgepole Creek--Sec. 36-14-48 W.			
5- 9	0.0	6-10	0.0		
		HOWARD CANAL--D-336 From Lodgepole Creek--Sec. 31-14-47 W.			
6-10	0.0	7-15	0.0		
		BOOTH CANAL, NORTH--D-309, D-310 From Lodgepole Creek--Sec. 29-14-47 W.			
5- 9	0.0	6-10	0.0	7-15	0.0

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1980

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		DICKENSON CANAL, WEST--D-967 From Lodgepole Creek--Sec. 33-14-47 W.					
6-10	0.0	7-15	0.0				
		TOBIN CANAL--D-330 From Lodgepole Creek--Sec. 28-14-47 W.					
5- 9	0.0	6-10	0.0				
		BARSTOW PUMP--A-3825 From Lodgepole Creek--Sec. 28-14-47 W.					
5- 9	0.0	6-10	0.0				
		DICKENSON CANAL, EAST--D-969 From Lodgepole Creek--Sec. 26-14-47 W.					
5- 9	0.0	6-10	0.0	7-15	0.0		
		LIBBY CANAL--D-312 From Lodgepole Creek--Sec. 36-14-47 W.					
5- 9	0.0	6-10	0.0	7-15	0.0		
		OBERFELDER CANAL--D-306, D-333 From Lodgepole Creek--Sec. 31-14-46 W.					
5- 9	0.25	6-10	0.0	7-15	0.0		
		PERSINGER CANAL--D-297 From Lodgepole Creek--Sec. 33-14-46 W.					
5- 9	0.0	6-10	0.0	7-15	0.0		
		BULLOCK CANAL--A-437 From Lodgepole Creek--Sec. 4-13-46 W.					
5- 9	0.0	6-10	0.0	7-15	0.0		
		McAULIFFE CANAL--D-814 From Lodgepole Creek--Sec. 21-13-45 W.					
5- 9	0.0	6-10	0.0	7-15	0.0		
		SUDMAN PUMP--A-1483R From Lodgepole Creek--Sec. 22-13-45 W.					
5- 9	0.0	6-10	0.0	7-15	0.0		

SOUTH PLATTE RIVER BASIN
(LOGGEPOL E CREEK)

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1980

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
NEUMAN CANAL--A-611, A-611R, A-1455 From Lodgepole Creek--Sec. 25 & 26-13-45 W.							
5- 9	0.0	6-10	0.0	7-15	0.0		
SODERQUIST CANAL--A-1237R From Lodgepole Creek--Sec. 2-12-45 W.							
5- 9	0.0	6-10	0.0	7-15	0.0		
NASLUND CANAL--A-661 From Lodgepole Creek--Sec. 1-12-45 W.							
5- 9	0.0	6-10	0.0	7-15	0.0		

PLATTE RIVER BASIN
 PLATTE, BRANCH CONFLUENCE TO LOUP

MEASUREMENT OF CANALS AND PUMPS
 Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
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PLATTE, BRANCH CONFLUENCE TO LOUP

LIPPINCOTT PUMP--A-4307
 From Prairie Creek--Sec. 26-15-6 W.

7-12	0.5	7-16	0.7	7-28	0.7		
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SHOTKOSKI PUMP--A-3380
 From Prairie Creek--Sec. 25-16-5 W.

7-16	1.3						
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PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980					MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980				
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Diversion Sec.-Ft.
				PAYTON PUMP--A-5816 From South Loup River--Sec. 2-15-23 W.					GEORGE PUMP--A-10552 From South Loup River--Sec. 15-13-19 W.
7-29	0.8				7-30	1.0			
				WEAVER PUMP (SOUTH)--A-3332 From South Loup River--Sec. 24-15-22 W.					SHOEMAKER PUMP--A-13105 From South Loup River--Sec. 30 & 32-13-18 W.
7-29	1.0				7-30	1.6			
				WEAVER PUMP (NORTH)--A-4618 From South Loup River--Sec. 30-15-21 W.					ECKHOUT PUMP--A-13404 From South Loup River--Sec. 7-12-17 W.
7-29	0.9				7-31	1.5			
				EICHELBERGER PUMP--A-3186 From South Loup River--Sec. 10-14-21 W.					CARMAN PUMP--A-6359, A-9120 From South Loup River--Sec. 17-12-17 W.
7-29	0.4				7-31	1.4			
				SWENSEN PUMP--A-2271 From Ash Creek--Sec. 7-14-20 W.					REISSLAND PUMP--A-7788 From South Loup River--Sec. 25-12-17 W.
7-29	0.5	7-29	1.4		7-31	1.8			
				SWENSEN PUMP--A-8589 From South Loup River--Sec. 18-14-21 W.					PEARSON PUMP--A-5625 From South Loup River--Sec. 4-11-16 W.
7-29	0.7				7-31	1.8			
				MYERS PUMP--A-14918 From South Loup River--Sec. 24-14-20 W.					RASMUSSEN PUMP--A-13639 From South Loup River--Sec. 4-11-16 W.
7-30	1.3				7-31	1.3			
				THOMAS PUMP--A-5338 From South Loup River--Sec. 34-14-20 W.					RASMUSSEN PUMP--A-10399 From South Loup River--Sec. 36-12-16 W.
8-20	0.9				7-31	1.1			
				HORN PUMP--A-7285 From South Loup River--Sec. 34 & 35-14-20 W.					<u>MUD CREEK</u>
7-30	0.9								GOLDEN PUMP--A-7442 From Mud Creek--Sec. 18-16-19 W.
				WOOD PUMP--A-8753 From South Loup River--Sec. 7-13-19 W.	7-8	1.2			
7-30	1.6								

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980						MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980					
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
		KELLER PUMP--A-13261 From Mud Creek--Sec. 35-16-19 W.						BACUS PUMP--A-8892 From Mud Creek--Sec. 24-14-17 W.			
7-8	1.8					7-24	0.6				
		PETRIK PUMP--A-15294 From Mud Creek--Sec. 16-15-18 W.						SIEGEL PUMP--A-7307 From Mud Creek--Sec. 34-14-16 W.			
7-8	1.4	7-9	1.1	7-9	0.6	7-22	1.1	7-14	0.7		
		CLINGER PUMP--A-10635 From Mud Creek--Sec. 14-15-18 W.						CHRISTENSEN PUMP--A-12952 From Mud Creek--Sec. 34-14-16 W.			
7-8	1.7					8-1	0.5				
		LUTHER PUMP--A-2794 From Mud Creek--Sec. 25-15-18 W.						JOHNSON PUMP--A-7181 From Mud Creek--Sec. 35-14-16 W.			
8-1	1.5					7-14	1.0				
		JONES PUMP--A-4986 From Mud Creek--Sec. 30-15-17 W.						CRIFFIELD PUMP--A-8777 From Mud Creek--Sec. 12-13-16 W.			
7-8	1.0					7-16	1.0				
		STRUEMPLER PUMP--A-2051 From Mud Creek--Sec. 31-15-17 W.						RASMUSSEN PUMP--A-8330, A-10827 From Mud Creek--Sec. 29-13-15 W.			
7-8	1.4	7-11	1.8			7-24	1.0				
		BURNS PUMP--A-2079 From Mud Creek--Sec. 32-15-17 W.						MORTENSEN PUMP--A-3119 From Mud Creek--Sec. 34-13-15 W.			
7-8	1.2	7-11	1.1			7-14	0.8				
		CHAMBERLIN PUMP--A-3200 From Mud Creek--Sec. 32-15-17 W.						FISHER PUMP--A-3128 From Mud Creek--Sec. 34-13-15 W.			
7-10	1.1					7-22	0.7				
		WAGNER PUMP--A-13352 From Mud Creek--Sec. 35-15-17 W.						ASHER PUMP--A-9931 From Mud Creek--Sec. 34-13-15 W.			
7-11	0.8					7-21	1.7				
		FRANSSON PUMP--A-1848 From Mud Creek--Sec. 13-14-17 W.						McKEON PUMP--A-9762 From Mud Creek--Sec. 3-12-15 W.			
7-11	0.9					7-22	1.1				

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980				MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980			
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			LETH PUMP--A-12843 From Turkey Creek--Sec. 21-14-10 W.				ANDERSON PUMP--A-2263R From North Loup River--Sec. 24-22-20 W.
7-2	1.3			7-17	0.90		
			WILSON PUMP--A-15441 From Middle Loup River--Sec. 35-15-10 W.				FERGUSON PUMP--A-13660 From North Loup River--Sec. 22-21-18 W.
8-1	1.9			7-17	2.0		
			KUNZE PUMP--A-5477 From Middle Loup River--Sec. 24-15-10 W.				WAKE PUMP--A-2467 From North Loup River--Sec. 26-21-18 W.
8-1	1.4			7-17	1.9		
			KUNZE PUMP--A-4498, A-11786, A-14230 From Middle Loup River--Sec. 24-15-10 W.				WAKE PUMP--A-12397 From North Loup River--Sec. 25-21-18 W.
8-1	1.2			7-17	0.7		
			<u>NORTH LOUP RIVER</u>				ZIEGLER-HIATT PUMP--A-2091 From North Loup River--Sec. 28-21-17 W.
			PLATTE VALLEY CATTLE COMPANY PUMP--A-14281 From North Loup River--Sec. 30, 31, 32-24-23 W.	6-24	1.1	7-17	1.0
7-30	1.3						BOLLER-IMM PUMP--A-4439, A-8414 From Calamus River--Sec. 6-25-21 W.
			FERGUSON PUMP--A-2635 From North Loup River--Sec. 36-23-21 W.	7-30	0.9		
7-17	3.3						REED PUMP--A-13750 From Calamus River--Sec. 32-23-17 W.
			VANDIEST PUMP--A-2263R From North Loup River--Sec. 32-23-20 W.	7-17	1.3		
7-17	1.3						SNYDER-BANKS PUMP--A-14272 From Calamus River--Sec. 5-22-17 W.
			GOEHRING PUMP--A-2263R From North Loup River--Sec. 4-22-20 W.	7-17	0.7		
7-17	1.1						SCHERZBERG PUMP--A-11374 From Calamus River--Sec. 9-22-17 W.
			ABBOTT PUMP--A-2263R, A-2927R From North Loup River--Sec. 14 & 24-22-20 W.	7-17	0.9		
7-17	1.10						

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980					MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980						
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			GOEHRING PUMP--A-2427 From North Loup River--Sec. 11-21-16 W.					BURTON PUMP--A-3785 From Wallace Creek--Sec. 9-17-12 W.			
7-17	0.9				7-23	1.2					
			LAKIN PUMP--A-3137 From North Loup River--Sec. 14-21-16 W.					BURTON PUMP--A-4020 From North Loup River--Sec. 9-17-12 W.			
7-17	2.6				7-23	1.2					
			CITY OF ORD PUMP--A-11706 From North Loup River--Sec. 13-21-14 W.					GOLDFISH PUMP--A-3770 From Wallace Creek--Sec. 16-17-12 W.			
6-25	0.7				7-23	1.4					
			NELSON PUMP--A-2501 Messenger Creek--Sec. 26-19-13 W.					GOLDFISH PUMP--A-3769 From North Loup River--Sec. 16-17-12 W.			
7-23	0.8				7-23	2.3					
			KOKES PUMP--A-9423 From North Loup River--Sec. 12-18-13 W.					FUSS PUMP--A-10391 From North Loup River--Sec. 16-17-12 W.			
7-1	1.8				7-1	0.6	7-1	1.2			
			OSENTOWSKI PUMP--A-10222, A-11470 From North Loup River--Sec. 36-19-13 W.					HANSON PUMP--A-3032, A-10897, A-12753 From North Loup River--Sec. 22-17-12 W.			
7-23	1.8				7-23	3.4					
			SCHUDEL PUMP--A-7301 From Kellogg Creek--Sec. 30-18-12 W.					PENNY PUMP--A-10420 From North Loup River--Sec. 22-17-12 W.			
7-1	0.3	7-23	1.0		7-2	1.0					
			SCHUDEL PUMP--A-7248 From Mira Creek--Sec. 31-18-12 W.					HOLT PUMP--A-11094 From North Loup River--Sec. 27-17-12 W.			
7-1	1.2				7-2	1.0					
			ROY PUMP--A-10354 From North Loup River--Sec. 32-18-12 W.					FERGUSON PUMP--A-2520 From North Loup River--Sec. 27-17-12 W.			
7-23	1.1				7-23	3.6					
			POSS PUMP--A-9957 From North Loup River--Sec. 9-17-12 W.					DAVIS CREEK LAND AND CATTLE COMPANY PUMP--A-15159 From Davis Creek--Sec. 34-17-12 W.			
7-23	0.5				6-30	0.6					

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			JACOBSEN PUMP--A-7310, A-14639 From North Loup River--Sec. 36-17-12 W.		
7-1	4.8				
			KEEP PUMP--A-13828 From North Loup River--Sec. 1-16-12 W.		
7-23	1.4				
			JENSEN PUMP--A-2660, A-11673 From North Loup River--Sec. 1 & 12-16-12 W.		
7-23	0.6				
			BARNES PUMP--A-6584, A-6585 From North Loup River--Sec. 7-16-11 W.		
6-30	3.2				
			ENDER PUMP--A-13200, A-14062 From North Loup River--Sec. 18-16-11 W.		
7-23	1.6				
			WELLS PUMP--A-4061, A-14871 From North Loup River--Sec. 20 & 21-16-11 W.		
7-1	1.2				
			WELLS PUMP--A-5451 From North Loup River--Sec. 20-16-11 W.		
6-30	1.2				
			KELLER PUMP--A-14238 From Munsen Creek--Sec. 5-15-11 W.		
6-30	1.0				
			WILSON PUMP--A-14224 From Munsen Creek--Sec. 33-16-11 W.		
7-1	1.1				

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			POSS PUMP--A-10135 From North Loup River--Sec. 18-15-10 W.				
6-30	1.3						
			ANDERSON PUMP--A-3584, A-6277 From North Loup River--Sec. 17-15-10 W.				
6-30	1.4						
			HERBIG PUMP--A-8917 From North Loup River--Sec. 17-15-11 W.				
7-2	1.6						
			PAYNE PUMP--A-10755 From North Loup River--Sec. 16-15-10 W.				
7-1	1.0						
			JURZENSKI PUMP--A-4279 From North Loup River--Sec. 16-15-10 W.				
7-1	1.5						
			PAYNE PUMP--A-2178, A-2808 From North Loup River--Sec. 16-15-10 W.				
7-1	1.9						
			PAYNE PUMP--A-2178R, A-6978 From North Loup River--Sec. 15-15-10 W.				
6-30	1.1						
			ARTERBURN PUMP--A-4628 From North Loup River--Sec. 15-15-10 W.				
6-30	5.4						
			JACOBSEN PUMP--A-5198, A-6280, A-10800 From North Loup River--Sec. 23-15-10 W.				
6-30	3.5						

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980					MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980						
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	
		NELSON PUMP--A-4890 From North Loup River--Sec. 14-15-10 W.					JUSTESEN PUMP--A-10134 From Spring Creek--Sec. 5-19-9 W.				
6-30	0.6				6-30	1.1	7-5	1.4	7-7	1.0	
		WUNDERLICK PUMP--A-8309 From North Loup River--Sec. 13-15-10 W.					HANISCH PUMP--A-11660 From Spring Creek--Sec. 8-15-9 W.				
6-30	1.0				7-2	1.6	7-4	1.2	7-5	1.2	
		<u>LOWER LOUP RIVER ABOVE THE CEDAR RIVER</u>					ANDERSON PUMP--A-11617 From Spring Creek--Sec. 8-15-9 W.				
		McINTYRE PUMP--A-14401 From Spring Creek--Sec. 12-17-10 W.			6-30	1.90	7-20	1.50	8-14	1.70	
6-30	1.6				7-7	1.50			8-15	1.70	
		WAGNER PUMP--A-3767 From Spring Creek--Sec. 18-16-9 W.					WERNER PUMP--A-15151 From Loup River--Sec. 8-15-9 W.				
7-7	1.2	7-16	1.3		7-7	2.0					
		ANDERSON PUMP--A-3702 From Spring Creek--Sec. 30-16-9 W.					WAGNER PUMP--A-9609 From Loup River--Sec. 9-15-9 W.				
7-10	1.0				7-7	1.6					
		BERST PUMP--A-9959 From Spring Creek--Sec. 29-16-9 W.					CORDING CATTLE COMPANY PUMP--A-12659 From Loup River--Sec. 11-15-9 W.				
6-30	1.1	7-5	1.0		6-30	2.1					
		PETERSON PUMP--A-8455 From Spring Creek--Sec. 32-16-9 W.					PAULSON PUMP--A-3440 From Loup River--Sec. 12-15-9 W.				
7-12	1.2				7-18	1.1					
		HANSEN PUMP--A-10328 From Spring Creek--Sec. 27-19-13 W.					SCHUBERT PUMP--A-3543, A-5335 From Loup River--Sec. 7-15-8 W.				
7-23	0.5				7-7	1.3					
		HANSEN PUMP--A-9509 From Spring Creek--Sec. 32-16-9 W.					RUSSELL PUMP--A-12114 From Loup River--Sec. 8-15-8 W.				
7-10	0.9	7-21	0.4		8-7	2.3					

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980				MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980			
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			TIBBETTS PUMP--A-5623 From Loup River--Sec. 16-15-8 W.				BROWN PUMP--A-10316 From Loup River--Sec. 3-15-7 W.
7-7	2.3			8-8	4.1		
			FORBES PUMP--A-4353 From Loup River--Sec. 15-15-8 W.				SONDERUP PUMP--A-15515 From Loup River--Sec. 33-16-7 W.
6-30	2.4	8-26	4.4	7-18	1.3		
			BAUER PUMP--A-6500 From Loup River--Sec. 14-15-8 W.				CUNNINGHAM PUMP--A-13581 From Loup River--Sec. 7-15-7 W.
8-25	1.1			8-7	1.0		
			KILDAY PUMP--A-10239 From Loup River--Sec. 12-15-8 W.				ARNOLD PUMP--A-14895 From Loup River--Sec. 34-16-7 W.
6-18	4.8			7-18	2.30		
			TIBBETTS PUMP--A-13591 From Loup River--Sec. 7-15-7 W.				CUNNINGHAM PUMP--A-15438 From Loup River--Sec. 35-16-7 W.
8-7	1.2			7-18	2.3		
			RUSSELL PUMP--A-10056 From Loup River--Sec. 5-15-7 W.				HELD PUMP--A-11438R, A-11908 From Loup River--Sec. 36-16-7 W.
8-8	2.2			7-18	1.6		
			RUSSELL PUMP--A-14966 From Loup River--Sec. 21-17-7 W.				BROWN PUMP--A-6689 From Loup River--Sec. 36-16-7 W.
8-7	0.9			8-26	0.8		
			RUSSELL PUMP--A-13679 From Loup River--Sec. 4-15-7 W.				FORBES PUMP--A-11443 From Loup River--Sec. 36-16-7 W.
8-7	1.2			8-7	1.6		
			RUSSELL PUMP--A-12825 From Loup River--Sec. 3-15-7 W.				RUSSELL PUMP--A-11128 From Loup River--Sec. 36-16-7 W.
8-8	1.9			7-18	1.8		

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENTS OF CANALS AND PUMPS--Continued Year Ending September 30, 1980				MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980			
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
		WHITNEY PUMP--A-5849, A-8492 From Loup River--Sec. 1-15-7 W.				SCOTT PUMP--A-2887, A-4055, A-4609 From Cedar River--Sec. 1-17-7 W.	
8-25	2.8			7-1	3.4		
		CUNNINGHAM PUMP--A-8761 From Loup River--Sec. 21-16-6 W.				SCOTT PUMP--A-15534 From Cedar River--Sec. 1-17-7 W.	
8-8	0.6			8-28	0.9		
		RUSSELL PUMP--A-6997 From Loup River--Sec. 22-16-6 W.				CROUSE PUMP--A-5182 From Cedar River--Sec. 24-17-7 W.	
7-2	1.2			7-1	2.2		
		<u>CEDAR RIVER</u>				VOSBURG PUMP From Cedar River--Sec. 13-17-7 W.	
		PITZER PUMP--A-6636 From Cedar River--Sec. 13-22-13 W.		6-27	5.3		
6-11	0.7					BROWN PUMP--A-8986 From Cedar River--Sec. 24-17-7 W.	
		GLASER PUMP--A-11954 From Cedar River--Sec. 1-20-11 W.		6-26	2.7		
8-13	1.0					OLSON PUMP--A-6993 From Cedar River--Sec. 24-17-7 W.	
		GLASER PUMP--A-3616 From Clear Creek--Sec. 31-21-10 W.		7-1	2.0		
8-13	2.5					NORE PUMP--A-11024, A-11434 From Cedar River--Sec. 19-17-6 W.	
		BERNT PUMP--A-4144 From Clear Creek--Sec. 6-20-10 W.		7-1	1.6		
8-13	1.0					NELSON PUMP--A-13198 From Cedar River--Sec. 19-17-6 W.	
		LANGER PUMP--A-11278 From Cedar River--Sec. 2-19-9 W.		6-26	1.1		
8-12	1.0					SPRAGUE PUMP--A-5528 From Cedar River--Sec. 29-17-6 W.	
		BATENHORST PUMP--A-2819 From Cedar River--Sec. 15-18-7 W.		7-1	3.8		
8-28	3.6						

PLATTF RIVER BASIN
(LOUP RIVER)

MEASUREMENTS OF CANALS AND PUMPS--Continued
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
		KAYTON PUMP--A-11784 From Cedar River--Sec. 32-17-6 W.					
6-27	1.6	6-27	2.1				
		ZYWIEC PUMP--A-12208 From Cedar River--Sec. 33-17-6 W.					
7-1	1.1						
		JENNINGS PUMP--A-11127 From Cedar River--Sec. 33-17-6 W.					
7-1	0.8						
		DOUTHIT PUMP--A-8729 From Cedar River--Sec. 4-16-6 W.					
6-27	3.1						
		HUNTER-SNYDER PUMP--A-12189 From Cedar River--Sec. 10 & 11-16-6 W.					
6-18	1.0	6-27	1.9	6-27	1.2	7-1	1.8
		WONDERCHECK PUMP--A-13416 From Cedar River--Sec. 11-16-6 W.					
7-1	1.9						
		WONDERCHECK PUMP--A-13930 From Cedar River--Sec. 11-16-6 W.					
6-27	3.0						
		WHITED PUMP--A-11816 From Cedar River--Sec. 2-16-6 W.					
7-1	3.5						
		SONDERUP PUMP--A-11893 From Cedar River--Sec. 7-16-5 W.					
7-1	1.7						

PLATTE RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
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PLATTE, LOUP TO ELKHORN

FLYNN PUMP--A-8311
From Lost Creek--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-17-2 E.

7-12	1.46						
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PLATTE RIVER BASIN
(ELKHORN RIVER)

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
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LOWER ELKHORN

BROWN PUMP--A-13972
From Bell Creek--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-20-9 E.

7-25	1.97						
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PLATTE RIVER BASIN
(SALT CREEK)

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
BACKSTROM PUMP--A-10767 From Oak Creek--SE 1/4 Sec. 34-12-5 E.							
7-11	1.46						

REPUBLICAN RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
<u>UPPER REPUBLICAN</u>							
JENKINS CANAL--A-924 From Buffalo Creek--Sec. 18-1-40 W.							
7-1	1.9	7-28	1.7				
ALLEN-LARNED CANAL--D-117 From Buffalo Creek--Sec. 18-1-40 W.							
10-9	7.0	7-1	4.7	7-15	5.9	7-28	4.2
PARKS CANAL--A-1202, A-1444, A-1555 From Republican River--Sec. 20-1-39 W.							
5-28	8.3						
HORSE CREEK CANAL--D-159, D-173 From Horse Creek--Sec. 23-1-39 W.							
5-28	0.96	7-22	0.79				
REISHER CANAL--A-3221 From Republican River--Sec. 30-1-38 W.							
7-21	3.5	7-28	2.6				

BIG BLUE RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS Year Ending September 30, 1980						MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1980							
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
<u>UPPER BIG BLUE</u>													
KRATOCHVIL PUMP--A-12338 From Big Blue River, Trib. to--Sec. 4-12-2 E.						ROEBKE PUMP--A-5701 From Lincoln Creek--Sec. 10-11-2 E.							
7-17	1.56					7-10	1.56	7-14	1.47				
HEGEHOLZ PUMP--A-10813 From Big Blue River--Sec. 35-12-2 E.						HANSELING PUMP--A-6051 From Big Blue River--Sec. 3-10-3 E.							
7-21	1.39					7-12	1.84						
MEINBURG PUMP--A-4630 From Big Blue River--Sec. 7-11-3 E.						PETERSON PUMP--A-12002 From Big Blue River--Sec. 10-10-3 E.							
7-10	1.29	7-14	1.77			7-12	1.04						
SELL PUMP--A-9876 From Big Blue River--Sec. 7-11-3 E.						ROTH PUMP--A-9703 From Big Blue River--Sec. 25-10-3 E.							
7-16	1.67	7-22	1.64			7-22	0.94						
AEGERTER PUMP--A-4316 From Big Blue River--Sec. 8-11-3 E.						HAUDER PUMP--A-8904 From Big Blue River--Sec. 35-10-3 E.							
7-14	0.68					7-22	1.67						
GRUNTORAD PUMP--A-2440 From Big Blue River--Sec. 20-11-3 E.						FORST PUMP--A-9222 From Big Blue River--Sec. 19-9-4 E.							
7-10	1.60					7-30	1.18						
GRUNTORAD PUMP--A-2816 From Big Blue River--Sec. 18-11-3 E.						HAVLAT PUMP--A-10728 From Big Blue River--Sec. 30-9-4 E.							
7-10	1.53					8-9	1.22						
KRUSE PUMP--A-2776 From Big Blue River--Sec. 20-11-3 E.						SIEDHOFF PUMP--A-9002 From Big Blue River--Sec. 32-9-4 E.							
7-10	1.67					8-9	1.18						
SCHNEEBECK PUMP--A-3304 From Lincoln Creek--Sec. 24-11-2 E.						BISHOP AND BISHOP PUMP--A-13933 From Beaver Creek--NE¼SW¼ Sec. 12-10-4 W.							
7-24	1.04					7-12	1.51						

LITTLE BLUE RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1980

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
<u>UPPER LITTLE BLUE</u>							
PETERSON AND FEREBEE PUMP--A-10382 From Little Blue River--Sec. 18-4-6 W.							
8-7	1.45						
LYON AND MYERS PUMP--A-10468 From Little Blue River--Sec. 19-4-6 W.							
8-6	0.92						
LYONS PUMP--A-9408 From Little Blue River--Sec. 20-4-6 W.							
7-6	0.55						
STERKEL PUMP--A-9372 From Little Blue River--Sec. 21-4-6 W.							
8-7	1.18						
KING PUMP--A-8350 From Little Blue River--Sec. 28-4-6 W.							
8-5	0.68						

MISCELLANEOUS DATA
1980

PRECIPITATION AT VARIOUS POINTS
Data Compiled by Water Year from Records
of the United States Weather Bureau
Values in Inches

	Normal		1980	
	Monthly	Accumulative	Monthly	Accumulative
*MITCHELL STATION, SCOTTSBLUFF COUNTY--ELEVATION 4080				
October	0.79	0.79	1.37	1.37
November	0.33	1.12	0.80	2.17
December	0.29	1.41	0.34	2.51
January	0.25	1.66	0.38	2.89
February	0.24	1.90	0.77	3.66
March	0.56	2.46	1.00	4.66
April	1.31	3.77	0.52	5.18
May	2.63	6.40	3.90	9.08
June	3.41	9.81	0.24	9.32
July	1.56	11.37	0.75	10.07
August	1.16	12.53	0.54	10.61
September	1.07	13.60	0.62	11.23
*67 year record				
*BRIDGEPORT STATION, MORRILL COUNTY--ELEVATION 3666				
October	0.83	0.83	1.61	1.61
November	0.38	1.21	0.77	2.38
December	0.34	1.55	0.35	2.73
January	0.35	1.90	0.59	3.32
February	0.29	2.19	0.65	3.97
March	0.72	2.91	1.06	5.03
April	1.42	4.33	0.84	5.87
May	3.10	7.43	2.06	7.93
June	3.67	11.10	2.27	10.20
July	2.40	13.50	3.05	13.25
August	1.38	14.88	0.99	14.24
September	1.42	16.30	0.40	14.64
*82 year record				
*OSHKOSH STATION, GARDEN COUNTY--ELEVATION 3393				
October	0.99	0.99	1.03	1.03
November	0.57	1.56	1.47	2.50
December	0.35	1.91	0.10	2.60
January	0.35	2.26	0.56	3.16
February	0.38	2.64	0.65	3.81
March	0.83	3.47	2.71	6.52
April	1.66	5.13	2.05	8.57
May	3.16	8.29	2.44	11.01
June	3.27	11.56	3.08	14.09
July	2.64	14.20	0.95	15.04
August	2.03	16.23	1.87	16.91
September	1.50	17.73	0.28	17.19
*67 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1980	
	Monthly	Accumulative	Monthly	Accumulative
*NORTH PLATTE STATION, LINCOLN COUNTY--ELEVATION 2775				
October	0.99	0.99	1.32	1.32
November	0.52	1.51	2.89	4.21
December	0.41	1.92	0.28	4.49
January	0.45	2.37	0.50	4.99
February	0.52	2.89	0.82	5.81
March	0.99	3.88	1.93	7.74
April	1.93	5.81	0.65	8.39
May	3.26	9.07	2.23	10.62
June	3.77	12.84	1.73	12.35
July	2.98	15.82	0.58	12.93
August	2.07	17.89	4.59	17.52
September	2.01	19.90	2.11	19.63
*40 year record				
*GOTHENBURG STATION, DAWSON COUNTY--ELEVATION 2565				
October	1.16	1.16	1.09	1.09
November	0.54	1.70	1.55	2.64
December	0.45	2.15	0.30	2.94
January	0.45	2.60	0.61	3.55
February	0.54	3.14	0.82	4.37
March	1.15	4.29	2.21	6.58
April	2.03	6.32	1.51	8.09
May	3.25	9.57	2.43	10.52
June	4.43	14.00	0.88	11.40
July	2.82	16.82	0.91	12.31
August	2.53	19.35	3.00	15.31
September	2.08	21.43	0.59	15.90
*85 year record				
*GRAND ISLAND STATION, HALL COUNTY--ELEVATION 1841				
October	1.08	1.08	3.02	3.02
November	0.61	1.69	1.78	4.80
December	0.56	2.25	0.48	5.28
January	0.52	2.77	0.80	6.08
February	0.76	3.53	0.65	6.73
March	1.18	4.71	2.23	8.96
April	2.47	7.18	1.92	10.88
May	3.78	10.96	2.06	12.94
June	4.40	15.36	3.62	16.56
July	3.00	18.36	0.85	17.41
August	2.54	20.90	4.42	21.83
September	2.51	23.41	0.83	22.66
*88 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1980	
	Monthly	Accumulative	Monthly	Accumulative
*SIDNEY STATION, CHEYENNE COUNTY--ELEVATION 4320				
October	1.03	1.03	1.46	1.46
November	0.49	1.52	1.69	3.15
December	0.39	1.91	0.28	3.43
January	0.30	2.21	0.95	4.38
February	0.32	2.53	0.59	4.97
March	0.88	3.41	1.89	6.86
April	1.64	5.05	2.17	9.03
May	3.27	8.32	2.36	11.39
June	3.56	11.88	2.00	13.39
July	2.53	14.41	1.57	14.96
August	1.79	16.20	2.83	17.79
September	1.35	17.55	0.32	18.11
*52 year record				
*ORD STATION, VALLEY COUNTY--ELEVATION 2070				
October	1.41	1.41	1.82	1.82
November	0.63	2.04	2.23	4.05
December	0.65	2.69	0.51	4.56
January	0.62	3.31	0.09	4.65
February	0.86	4.17	0.68	5.33
March	1.40	5.57	1.72	7.05
April	2.25	7.82	1.14	8.19
May	3.39	11.21	1.31	9.50
June	4.33	15.54	1.02	10.52
July	2.68	18.22	0.98	11.50
August	2.64	20.86	2.79	14.29
September	2.39	23.25	0.55	14.84
*89 year				
*FORT ROBINSON STATION, DAWES COUNTY--ELEVATION 3807				
October	1.00	1.00	No report	
November	0.58	1.58	:	:
December	0.43	2.01	:	:
January	0.43	2.44	:	:
February	0.50	2.94	:	:
March	0.92	3.86	:	:
April	1.86	5.72	:	:
May	3.59	9.31	:	:
June	3.83	13.14	:	:
July	2.14	15.28	:	:
August	1.47	16.75	:	:
September	1.34	18.09	:	:
*96 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1980	
	Monthly	Accumulative	Monthly	Accumulative
*CULBERTSON STATION, HITCHCOCK COUNTY--ELEVATION 2720				
October	1.31	1.31	1.28	1.28
November	0.64	1.95	0.72	2.00
December	0.49	2.44	0.42	2.42
January	0.47	2.91	0.78	3.20
February	0.53	3.44	0.79	3.99
March	1.07	4.51	2.74	6.73
April	1.84	6.35	1.52	8.25
May	3.26	9.61	1.99	10.24
June	3.46	13.07	2.65	12.89
July	3.32	16.39	1.01	13.90
August	2.46	18.85	4.84	18.74
September	1.92	20.77	1.08	19.82
*92 year record				
*GENOA STATION, NANCE COUNTY--ELEVATION 1590				
October	1.38	1.38	3.31	3.31
November	0.58	1.96	1.97	5.28
December	0.70	2.66	0.49	5.77
January	0.47	3.13	0.45	6.22
February	0.90	4.03	0.88	7.10
March	1.20	5.23	1.57	8.67
April	2.42	7.65	1.59	10.26
May	3.78	11.43	1.68	11.94
June	4.80	16.23	3.25	15.19
July	3.26	19.49	3.43	18.62
August	3.07	22.56	5.92	24.54
September	2.68	25.24	0.69	25.23
*104 year record				
*HOLDREGE STATION, PHELPS COUNTY--ELEVATION 2330				
October	1.53	1.53	1.81	1.81
November	0.60	2.13	1.24	3.05
December	0.58	2.71	0.59	3.64
January	0.58	3.29	1.36	5.00
February	0.80	4.09	0.43	5.43
March	1.33	5.42	2.98	8.41
April	2.29	7.71	1.32	9.73
May	4.07	11.78	2.00	11.73
June	4.83	16.61	2.94	14.67
July	3.12	19.73	2.54	17.21
August	2.65	22.38	4.51	21.72
September	2.56	24.94	1.92	23.64
*90 year record				

MONTHLY EVAPORATION IN FEET--1980

STATION	May	June	July	Aug.	Sept.	Total
Pathfinder	0.518	0.941	0.986	0.864	0.662	3.971
Whalen Dam	0.549	0.879	0.998	0.774	0.551	3.751
Bridgeport	0.524	0.842	0.920	0.679	0.599	3.564
Kingsley	/	0.480	0.571	0.472	0.372	
North Platte	0.620	0.809	1.173	1.132	0.834	4.568

All are United States Weather Bureau Class "A" pans

/No record reported

DIVERSIONS FROM DRAINS BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

Values in Acre-feet

For Water Year Ending September 30, 1980

	Oct.	May	June	July	Aug.	Sept.	Total
Northport Canal from:							
Akers Draw.....	0	240	510	710	910	810	3180
Sheep Creek.....	0	1710	3870	4730	5720	4820	20850
Dry Spottedtail Creek....	0	330	820	1500	1580	1290	5520
Wet Spottedtail Creek....	0	510	920	920	1400	1840	5590
Tub Springs.....	0	380	1510	2870	2550	1830	9140
Enterprise Canal from:							
Dry Spottedtail Creek....	0	0	0	0	0	0	0
Morrill Drain.....	0	60	60	60	90	120	390
Winter Creek.....	0	20	120	110	120	10	380
Tub Springs.....	0	0	0	0	0	0	0
Winter Creek Canal from:							
Winter Creek.....	160	880	1410	2850	3010	2130	10440
Alliance Canal from:							
Bayard Drain.....	0	1950	2090	1330	600	1550	7520
Red Willow Creek.....	0	1510	1860	2530	3230	1940	11070
Totals.....	160	7590	13170	17610	19210	16340	74080

DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
Values in Acre-feet
For Water Year Ending September 30, 1980

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
*Bald Drain	220	120	120	30	110	180	90	560	1590	1320	1070	1560	6970
Bayard Sugar Factory Drain	1840	1690	1490	1220	1350	1410	1420	550	930	3380	4080	2880	22240
†Cleveland Drain	360	140	120	180	170	140	110	180	580	620	520	1070	4190
*DeGraw Drain	280	230	230	240	190	210	180	180	230	690	600	730	3990
Dugout Creek, Upper	730	570	480	410	370	310	220	1090	2000	1220	1240	1570	10210
*Fairfield Seep	120	120	120	80	140	140	120	120	120	120	150	170	1520
*Fanning Seep	0	0	0	0	0	0	50	50	0	0	0	0	100
Gering Drain	3020	2010	1870	1690	1780	1660	1560	5580	8300	5390	5540	8740	47140
Horse Creek	4740	2480	2440	1610	2250	2010	2240	12130	10790	4200	7590	13840	66320
†Indian Creek	650	490	490	390	350	340	310	850	1410	1990	1960	1880	11110
*Lane Drain	180	180	120	120	120	120	120	120	80	80	120	120	1480
†Melbeta Drain	180	240	150	120	120	120	120	390	550	750	460	1350	4550
Nine Mile Drain	8950	6680	5810	5130	5350	5070	4750	9230	6080	7900	12820	12200	89970
Red Willow Creek	6600	5130	5110	4440	4460	4300	3800	10140	10030	8870	7480	12310	82670
*Scottsbluff Drain No. 1	180	160	60	140	260	200	130	190	240	220	230	220	2230
*Scottsbluff Drain No. 2	240	180	240	190	250	270	190	250	220	320	250	260	2860
Sheep Creek	6720	5560	5420	5230	4860	4770	4440	2750	270	310	260	1560	42150
Spottedtail Creek, Dry	1810	1230	990	770	1260	1590	2560	2800	2050	3950	3860	5220	28090
*Spottedtail Creek, Wet	840	720	640	520	580	600	600	740	690	930	980	780	8620
Tub Springs Creek	3280	2630	2370	2000	1970	1820	1600	3910	2730	2340	3090	4210	31950
Winters Creek	4280	3300	2940	2640	2330	2810	2850	3480	1800	1730	3300	4560	36020
Totals	45220	33860	31210	27150	28270	28070	27460	55290	50690	46330	55600	75230	504380

*Estimated for entire year from measurements

†Estimated October-April, inclusive. One reading daily May-September.

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

Values in Acre-feet

For the Water Year Ending September 30, 1980

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Guernsey to Whalen	14770	0	0	0	0	0	3440	103210	119070	214210	208800	154420	817920
Whalen to State Line	1210	0	0	0	0	0	0	13830	23500	36260	31730	21430	127960
State Line to Mitchell	0	0	0	0	0	0	1280	32110	50980	94990	88320	54190	321870
Mitchell to Minatare	2300	0	0	0	0	0	0	4420	11210	18530	16990	12430	65880
Minatare to Bridgeport	2440	0	0	0	0	0	40	12140	19750	22890	22390	17550	97200
Bridgeport to Lisco	1160	0	0	0	0	0	0	990	3780	9020	7610	2950	25510
Lisco to Keystone	4140	0	0	0	0	0	0	0	3140	9890	7400	8410	32980
Keystone to North Platte	2170	0	0	0	0	0	350	12650	19140	43830	30700	15650	124490
North Platte to Odessa	160	0	0	0	0	0	4600	48970	89630	226810	170580	23590	564340
Total, Guernsey-Odessa	28350	0	0	0	0	0	9710	228320	340200	676430	584520	310620	2178150

SUMMARY
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1980		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Ainsworth	34704	75990	2.19
Alliance	6318	18590	2.94
Bartley	6600	9830	1.49
Beerline	2080	2290	1.10
Belmont	9095	29930	3.29
Birdwood	5287	6600	1.25
Blue Creek	2834	6190	2.18
Browns Creek	6126	13080	2.14
Cambridge	16850	32570	1.93
Castle Rock-Steamboat	6507	20140	3.10
Central	1984	6740	3.40
Champion	840	1550	1.85
Chimney Rock	5252	17060	3.25
Cody-Dillon	4782	5890	1.23
Court House Rock	1489	1560	1.05
Courtland for Nebr lands	1425	2382	1.67
Cozad	16730	37100	2.22
Culbertson	20714	31460	1.52
Dawson County	33997	72090	2.12
Earnest	411	313	0.76
Empire	2191	6550	2.99
Enterprise	7703	27960	3.63
Farwell	50116	137950	2.75
Fort Laramie	105056	339470	3.23
Franklin	11256	29740	2.64
Franklin Pump	2118	3670	1.73
Gering	13106	52960	4.04
**Gothenburg	17426	53310	3.06
Graf	774	2370	3.06
Harris-Neece	1109	1520	1.37
Hooper	872	2330	2.67
Interstate	112449	478450	4.25
**Kearney	7693	10660	1.39

SUMMARY
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1980		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Keith-Lincoln Co.	5581	22690	4.07
Last Chance	404	490	1.21
Lichte	519	270	0.52
Lisco	3996	7480	1.87
McGinley-Stover	695	190	0.27
McLaughlin	500	370	0.74
Meeker-Driftwood	15581	30850	1.98
Meredith-Ammer	336	610	1.82
#Middle Loup PPID No. 1	3812	6790	1.78
#Middle Loup PPID No. 2	6637	9750	1.47
#Middle Loup PPID No. 3	11787	17130	1.45
#Middle Loup PPID No. 4	11532	19410	1.68
Midland-Overland	2204	1770	0.80
Minatare	9212	23310	2.53
Mirage Flats	11669	17020	1.46
Mitchell	13565	24440	1.80
Moore-Kay	400	790	1.98
Naponee	1761	3730	2.12
Nine Mile	6001	16050	2.67
#No. Loup PPID-Taylor-Ord	15009	37490	2.50
#No. Loup PPID-Burwell-Sumter	8781	20730	2.36
#No. Loup PPID-Ord-North Loup	7086	17870	2.52
North Platte	14124	50860	3.60
Northport	16105	35080	2.18
Orchard-Alfalfa	5975	10460	1.75
Paisley	1086	3150	2.90
Paxton-Hershey	7323	18400	2.51
Pioneer	358	680	1.90
Potmesil	542	450	0.83
Ramshorn	1647	80	0.05
Red Willow	4391	7470	1.70
Sargent	14007	32070	2.29
Sheridan-Wilson	918	1530	1.67

SUMMARY
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1980		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Short Line	2752	8090	2.94
Six Mile	1173	3170	2.70
Suburban	5498	18520	3.37
Superior	5954	15440	2.59
Thirty Mile	23275	48820	2.10
**Tri-County	112972	328730	2.91
Tri-State	61745	244960	3.97
Union	1306	2980	2.28
Western	12443	14190	1.14
Winters Creek	5745	5250	0.91

*Annual acreage reports filed by April 1, which listed the lands intended to be irrigated
 **For irrigation exclusive of power
 /Net diversion - spills have been deducted

COMPARISON OF STORAGE
IN RESERVOIRS

Name of Reservoir	Capacity Top of Irrig. Pool Acre-Feet	Maximum Storage 1979		Carryover Sept. 30, 1980	
		Acre-Feet	% Average	Acre-Feet	% Average
1 Pathfinder (Ownership)	a 1,015,890	1,015,888	109 %	443,542	110 %
1 Glendo (Ownership)	a 184,870	183,238	114 %	151,829	114 %
Lake C. W. McConaughy	a 1,948,000	1,798,600	104 %	1,408,400	100 %
Bennett	a 1,400	1,630	149 %	212	51 %
Whitney	a 10,000	10,430	102 %	3,190	91 %
Crescent Lake	a 7,000	3,200	186 %	1,780	244 %
Box Butte	a 31,060	19,540	95 %	4,428	91 %
2 Enders	a 44,480	30,940	75 %	13,410	79 %
2 Harry Strunk Lake	a 37,140	39,530	93 %	12,210	51 %
2 Swanson Lake	a 120,160	96,580	83 %	53,160	77 %
2 Harlan County	a 342,560	335,000	94 %	200,200	77 %
2 Hugh Butler Lake	b 37,780	32,570	91 %	19,980	73 %
Sherman	c 69,080	69,653	105 %	49,191	123 %
Merritt	d 74,490	75,075	103 %	45,615	93 %

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 1960 - 1980 record for average
 b 1962 - 1980 record for average
 c 1963 - 1980 record for average
 d 1964 - 1980 record for average

ANNUAL MAXIMUM WITHDRAWAL OF MUNICIPAL WELLS (GALLONS PER DAY)

City	Permitted to Withdraw	1967	1968	1969	1970	1971
Alliance	7,500,000	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	2,651,800	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	1,325,000	-----	-----	-----	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	4,265,000	3,964,300	4,410,000	4,534,000
Kimball	5,300,000	-----	1,900,000	-----	-----	-----
Laurel	250,000	250,000	469,200	307,000	400,000	480,000
Leigh	130,000	110,000	70,000	63,000	155,000	165,000
Lincoln	72,000,000	64,697,500	69,732,500	68,250,000	82,000,000	80,200,000
Minden	864,000	296,967	720,000	1,357,376	1,270,987	1,452,176
Nebraska City	5,000,000	3,129,000	3,785,000	3,167,000	4,470,000	4,470,000
North Platte	16,920,000	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	10,000,000	6,463,128	7,002,214	7,560,000	6,430,000	7,270,000
Seward	8,000,000	2,934,000	1,805,000	1,603,000	1,691,285	166,224
Superior	3,100,000	1,500,000	-----	977,700	1,262,000	-----
Sutton	730,000	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

ANNUAL MAXIMUM WITHDRAWAL OF MUNICIPAL WELLS (GALLONS PER DAY)--Continued

City	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	3,486,600	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	-----	-----	5,130,300	5,309,800
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
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

ANNUAL MAXIMUM WITHDRAWAL OF MUNICIPAL WELLS (GALLONS PER DAY)--Continued

<u>City</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>
Alliance	3,951,000	6,030,000	8,360,000
Ashland	1,800,000	187,660	1,324,000
Beatrice	4,929,348	5,101,623	5,800,000
Bellevue	1,770,000	1,656,100	1,801,200
Columbus	4,769,000	8,087,000	8,087,000
Fairbury	3,090,000	2,930,200	3,659,000
Fremont	40,333,000	32,478,000	42,027,000
Gothenburg	2,813,000	2,307,700	5,245,800
Grand Island	38,336,500	40,067,600	42,379,200
Harvard	286,950	653,257	864,870
Hastings	16,641,725	17,354,300	15,532,100
Holdrege	5,779,000	4,144,400	5,707,300
Kimball	1,768,540	1,550,000	-----
Laurel	500,000	500,000	500,000
Leigh	60,000	120,000	497,000
Lincoln	73,881,736	74,210,000	85,904,000
Minden	2,303,750	2,120,000	2,196,750
Nebraska City	4,230,000	3,850,000	3,900,000
North Platte	16,211,215	7,067,000	18,530,715
Omaha (M.U.D.)	56,720,000	56,790,000	58,140,000
Papillion	2,939,768	3,777,000	3,601,000
Plattsmouth	1,626,000	1,772,000	1,837,000
Reynolds	49,300	168,000	78,600
Scottsbluff	11,410,000	9,974,700	10,821,000
Seward	1,686,000	1,581,158	2,343,212
Superior	1,006,774	991,967	1,397,000
Sutton	500,850	600,500	935,520
Syracuse	483,000	464,000	538,000
Wakefield	425,000	432,000	485,000

PREVIOUSLY UNPUBLISHED DATA

Middle and North Loup Public Power and Irrigation Districts
Previously Unpublished
Daily Diversion and Spillway Discharges
For 1944, 1945 and 1946

The daily canal diversions and spillway returns for the Middle Loup River Public Power and Irrigation District and the North Loup River Public Power and Irrigation District were not available for publication for the years 1944, 1945 and 1946 because of the lack of personnel in those years during World War II.

In the late 1940's, the United States Bureau of Reclamation computed this data from the best information available from the Districts and the Department. The accuracy of the final daily record is questionable because of the infrequency of current meter discharge measurements and the fact that only one daily observation or estimate was obtained at those sites where automatic recorders were not in operation.

It is published here as the best information available so that it is not lost to the public record.

PREVIOUSLY UNPUBLISHED DATA

1944

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1944

	Oct.	June	July	Aug.	Sept.	Total
Diversions:						
Canal No. 1	0	450	1,620	1,580	170	3,820
Canal No. 2	180	350	2,870	3,210	590	7,200
Canal No. 3	1,480	2,360	3,840	4,630	1,020	13,330
Canal No. 4	1,690	2,160	3,220	3,970	1,160	12,200
Total Diversions	3,350	5,320	11,550	13,390	2,940	36,550
Returned through Spillways:						
Canal No. 1	20	0	290	200	80	590
Canal No. 2	90	50	790	430	220	1,580
Canal No. 3	770	110	220	330	80	1,510
Canal No. 4	760	220	640	130	60	1,810
Total Returned	1,640	380	1,940	1,090	440	5,490
Net Diversions	1,710	4,940	9,610	12,300	2,500	31,060

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 1
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	21	26	17
2	0	0	0	0	22	26	10
3	0	0	0	0	26	25	4
4	0	0	0	0	29	27	6
5	0	0	0	0	30	30	11
6	0	0	0	0	29	30	0
7	0	0	0	0	29	28	0
8	0	0	0	0	36	28	0
9	0	0	0	0	37	27	0
10	0	0	0	0	29	24	0
11	0	0	0	0	28	26	0
12	0	0	0	0	28	26	0
13	0	0	0	0	25	28	0
14	0	0	0	0	24	29	0
15	0	0	0	0	23	28	0
16	0	0	0	0	22	31	4
17	0	0	0	6	23	30	0
18	0	0	0	19	24	28	0
19	0	0	0	11	28	29	5
20	0	0	0	10	27	28	0
21	0	0	0	13	25	28	0
22	0	0	0	15	25	29	0
23	0	0	0	20	25	26	0
24	0	0	0	19	24	26	0
25	0	0	0	18	25	28	0
26	0	0	0	23	22	28	0
27	0	0	0	23	28	15	0
28	0	0	0	20	26	15	0
29	0	0	0	15	27	15	14
30	0	0	0	17	26	15	14
31	0	0	0	--	26	17	--
S.F.	0	0	0	229	819	796	85
Mean	0	0	0	8	26	26	3
Max.	0	0	0	23	37	31	17
Min.	0	0	0	0	21	15	0
A.F.	0	0	0	450	1,620	1,580	170

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 2
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	12	0	0	0	39	52	29
2	12	0	0	0	39	57	28
3	13	0	0	0	41	55	25
4	13	0	0	0	38	58	21
5	13	0	0	0	52	60	20
6	13	0	0	0	51	54	8
7	13	0	0	0	52	58	0
8	1	0	0	0	47	60	0
9	0	0	0	0	44	59	0
10	0	0	0	0	34	58	0
11	0	0	0	0	40	59	0
12	0	0	0	0	43	59	0
13	0	0	0	0	39	58	0
14	0	0	0	0	33	59	0
15	0	0	0	0	33	62	0
16	0	0	0	0	36	66	0
17	0	0	0	0	41	64	0
18	0	0	0	0	45	57	18
19	0	0	0	0	47	55	34
20	0	0	0	0	51	48	31
21	0	0	0	0	47	44	34
22	0	0	0	0	46	50	34
23	0	0	0	0	49	62	14
24	0	0	0	0	50	52	0
25	0	0	0	0	58	44	0
26	0	0	0	21	62	44	0
27	0	0	0	38	62	38	0
28	0	0	0	38	58	34	0
29	0	0	0	39	57	30	0
30	0	0	0	39	64	30	0
31	0	0	0	--	51	31	--
S.F.	90	0	0	175	1,449	1,617	296
Mean	3	0	0	6	47	52	10
Max.	13	0	0	39	64	66	34
Min.	0	0	0	0	33	30	0
A.F.	180	0	0	350	2,870	3,210	590

PREVIOUSLY UNPUBLISHED DATA
1944

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 3
Diverted from the Middle Loup River--Sec. 1-17-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	34	0	0	0	51	95	9
2	39	0	0	0	45	95	0
3	37	0	0	0	51	93	0
4	38	0	0	0	41	104	0
5	38	0	0	45	57	105	0
6	37	0	0	38	56	103	0
7	37	0	0	39	57	93	0
8	35	0	0	54	62	101	0
9	34	0	0	53	64	95	0
10	33	0	0	50	63	99	0
11	33	0	0	50	65	97	0
12	33	0	0	53	68	94	0
13	48	0	0	51	68	91	0
14	46	0	0	48	51	89	10
15	41	0	0	52	51	94	19
16	35	0	0	55	52	93	27
17	33	0	0	60	51	97	19
18	29	0	0	53	56	100	24
19	27	0	0	46	62	97	34
20	30	0	0	47	87	91	36
21	27	0	0	47	84	74	43
22	0	0	0	44	57	41	40
23	0	0	0	43	13	41	46
24	0	0	0	40	57	28	45
25	0	0	0	43	69	28	38
26	0	0	0	43	77	28	39
27	0	0	0	41	76	26	37
28	0	0	0	39	83	36	46
29	0	0	0	31	84	36	0
30	0	0	0	27	86	36	0
31	0	0	0	--	93	34	--
S. F.	744	0	0	1,192	1,937	2,334	512
Mean	24	0	0	40	62	75	17
Max.	48	0	0	60	87	105	46
Min.	0	0	0	0	13	26	0
A. F.	1,480	0	0	2,360	3,840	4,630	1,020

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 4
Diverted from the Middle Loup River--Sec. 36-18-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	48	0	0	0	34	61	14
2	48	0	0	0	33	78	0
3	46	0	0	0	54	78	0
4	44	0	0	0	57	78	0
5	43	0	0	15	59	77	0
6	43	0	0	25	57	77	0
7	45	0	0	28	56	74	0
8	44	0	0	39	56	75	0
9	44	0	0	38	55	71	0
10	44	0	0	33	49	70	0
11	44	0	0	30	53	70	0
12	44	0	0	39	56	70	0
13	51	0	0	43	52	67	0
14	42	0	0	38	45	65	35
15	36	0	0	38	46	67	33
16	33	0	0	47	50	70	32
17	35	0	0	55	53	74	32
18	35	0	0	53	56	73	31
19	34	0	0	50	61	71	31
20	36	0	0	48	76	70	30
21	15	0	0	48	75	65	29
22	0	0	0	48	68	81	28
23	0	0	0	48	65	52	28
24	0	0	0	50	75	50	28
25	0	0	0	54	35	50	27
26	0	0	0	53	36	49	34
27	0	0	0	51	36	46	43
28	0	0	0	52	37	44	44
29	0	0	0	33	40	44	43
30	0	0	0	34	47	44	41
31	0	0	0	--	51	40	--
S. F.	854	0	0	1,090	1,623	2,001	583
Mean	28	0	0	36	52	65	19
Max.	51	0	0	55	76	81	44
Min.	0	0	0	0	33	40	0
A. F.	1,690	0	0	2,160	3,220	3,970	1,160

PREVIOUSLY UNPUBLISHED DATA

1944

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 1 - SPILLS
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	1	0	0	0	0	3	9
2	1	0	0	0	0	2	7
3	1	0	0	0	0	1	3
4	5	0	0	0	1	1	3
5	1	0	0	0	0	0	6
6	0	0	0	0	0	0	7
7	0	0	0	0	1	0	4
8	0	0	0	0	1	0	2
9	0	0	0	0	3	0	0
10	0	0	0	0	4	0	0
11	0	0	0	0	5	0	0
12	0	0	0	0	7	0	0
13	0	0	0	0	6	0	0
14	0	0	0	0	6	0	0
15	0	0	0	0	7	1	0
16	0	0	0	0	7	0	0
17	0	0	0	0	7	0	0
18	0	0	0	0	7	0	0
19	0	0	0	0	8	0	0
20	0	0	0	0	10	1	0
21	0	0	0	0	11	0	0
22	0	0	0	0	10	0	0
23	0	0	0	0	11	3	0
24	0	0	0	0	7	7	0
25	0	0	0	0	2	10	0
26	0	0	0	0	0	14	0
27	0	0	0	0	3	12	0
28	0	0	0	0	3	11	0
29	0	0	0	0	6	11	0
30	0	0	0	0	6	11	0
31	0	0	0	0	5	11	0
S. F.	9	0	0	0	144	99	41
Mean	0	0	0	0	5	3	1
Max.	5	0	0	0	11	14	9
Min.	0	0	0	0	0	0	0
A. F.	20	0	0	0	290	200	80

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 2 - SPILLS
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	3	0	0	0	7	1	10
2	3	0	0	0	7	0	11
3	4	0	0	0	5	0	10
4	4	0	0	0	7	0	7
5	4	0	0	0	9	0	4
6	7	0	0	0	11	0	0
7	9	0	0	0	14	0	0
8	9	0	0	0	17	1	0
9	4	0	0	0	17	0	0
10	0	0	0	0	17	0	0
11	0	0	0	0	19	0	0
12	0	0	0	0	22	0	0
13	0	0	0	0	21	3	0
14	0	0	0	0	19	0	0
15	0	0	0	0	18	2	0
16	0	0	0	0	17	5	0
17	0	0	0	0	17	5	0
18	0	0	0	0	18	5	0
19	0	0	0	0	19	8	15
20	0	0	0	0	20	15	12
21	0	0	0	0	20	3	12
22	0	0	0	0	15	11	14
23	0	0	0	0	13	22	18
24	0	0	0	0	12	20	0
25	0	0	0	0	10	21	0
26	0	0	0	0	11	24	0
27	0	0	0	3	7	18	0
28	0	0	0	8	3	16	0
29	0	0	0	7	1	13	0
30	0	0	0	7	3	13	0
31	0	0	0	-	3	12	-
S. F.	47	0	0	25	399	218	113
Mean	2	0	0	1	13	7	4
Max.	9	0	0	8	22	24	18
Min.	0	0	0	0	1	0	0
A. F.	90	0	0	50	790	430	220

PREVIOUSLY UNPUBLISHED DATA
1944

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 3 - SPILLS
Diverted from the Middle Loup River--Sec. 1-17-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	10	0	0	0	1	1	4
2	17	0	0	0	0	0	2
3	19	0	0	0	2	0	1
4	17	0	0	0	2	0	1
5	21	0	0	0	2	1	1
6	22	0	0	0	3	3	1
7	24	0	0	0	4	4	0
8	21	0	0	0	5	5	1
9	19	0	0	0	5	4	1
10	15	0	0	0	7	4	1
11	12	0	0	0	8	4	1
12	9	0	0	0	9	3	1
13	12	0	0	0	8	3	0
14	24	0	0	0	10	2	0
15	20	0	0	0	10	2	0
16	20	0	0	0	6	3	0
17	18	0	0	0	6	5	0
18	16	0	0	0	2	4	0
19	15	0	0	0	0	3	0
20	14	0	0	0	0	8	0
21	18	0	0	6	0	19	1
22	19	0	0	6	0	23	2
23	7	0	0	5	2	18	3
24	1	0	0	5	0	7	6
25	0	0	0	4	11	6	5
26	0	0	0	6	3	6	2
27	0	0	0	8	1	6	0
28	0	0	0	7	1	6	0
29	0	0	0	4	1	5	4
30	0	0	0	3	0	9	2
31	0	0	0	-	1	4	-
S. F.	390	0	0	54	110	168	40
Mean	13	0	0	2	4	5	1
Max.	24	0	0	8	11	23	6
Min.	0	0	0	0	0	0	0
A. F.	770	0	0	110	220	330	80

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 4 - SPILLS
Diverted from the Middle Loup River--Sec. 36-18-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	21	0	0	0	16	0	3
2	21	0	0	0	16	0	1
3	20	0	0	0	16	0	1
4	20	0	0	0	16	0	0
5	18	0	0	0	18	0	0
6	17	0	0	0	19	1	0
7	19	0	0	0	17	1	0
8	22	0	0	0	16	1	0
9	22	0	0	0	15	0	0
10	21	0	0	0	15	0	0
11	18	0	0	0	10	0	0
12	19	0	0	0	12	0	0
13	20	0	0	0	15	0	0
14	23	0	0	0	14	0	0
15	16	0	0	0	8	0	1
16	11	0	0	0	10	0	1
17	9	0	0	0	10	0	1
18	11	0	0	0	10	1	1
19	10	0	0	0	10	1	1
20	14	0	0	7	12	4	0
21	14	0	0	6	16	8	1
22	14	0	0	6	13	10	1
23	0	0	0	6	8	7	0
24	0	0	0	6	8	1	0
25	0	0	0	6	2	4	0
26	1	0	0	26	1	6	0
27	0	0	0	10	0	6	0
28	0	0	0	11	0	5	2
29	1	0	0	13	0	3	8
30	0	0	0	14	0	5	8
31	0	0	0	0	0	4	0
S. F.	382	0	0	111	323	68	30
Mean	12	0	0	4	10	2	1
Max.	23	0	0	26	19	10	8
Min.	0	0	0	0	0	0	0
A. F.	760	0	0	220	640	130	60

PREVIOUSLY UNPUBLISHED DATA

1945

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1945

	Oct.	May	June	July	Aug.	Sept.	Total
Diversions:							
Canal No. 1	120	360	420	1,410	1,800	980	5,090
Canal No. 2	0	830	0	1,930	2,170	1,460	6,390
Canal No. 3	160	1,040	750	1,380	2,800	3,230	9,360
Canal No. 4	370	990	570	1,860	3,340	2,520	9,650
Total Diversions	650	3,220	1,740	6,580	10,110	8,190	30,490
Returned through Spillways:							
Canal No. 1	0	0	90	410	150	330	980
Canal No. 2	0	90	0	580	510	700	1,880
Canal No. 3	50	100	140	290	320	440	1,340
Canal No. 4	110	90	30	470	390	570	1,660
Total Returned	160	280	260	1,750	1,370	2,040	5,860
Net Diversions	490	2,940	1,480	4,830	8,740	6,150	24,630

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 1
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	15	29	18
2	19	0	0	0	10	29	20
3	18	0	0	0	10	33	24
4	25	0	0	0	21	38	25
5	0	0	0	0	9	36	25
6	0	0	0	0	19	33	26
7	0	0	0	0	21	31	27
8	0	0	0	0	24	36	29
9	0	0	0	0	25	37	27
10	0	0	0	0	25	30	22
11	0	0	0	0	25	24	18
12	0	0	0	0	25	28	19
13	0	0	0	0	19	36	20
14	0	0	0	0	19	36	19
15	0	0	6	0	19	35	18
16	0	0	7	0	22	34	18
17	0	0	18	0	23	34	19
18	0	0	19	0	23	34	19
19	0	0	18	0	22	33	14
20	0	0	14	25	22	35	10
21	0	0	16	24	25	40	8
22	0	0	12	24	26	33	7
23	0	0	13	22	28	22	8
24	0	0	16	21	30	21	12
25	0	0	19	19	30	21	13
26	0	0	20	16	29	20	12
27	0	0	5	14	29	18	15
28	0	0	0	16	29	18	0
29	0	0	0	16	28	19	0
30	0	0	0	17	29	15	0
31	0	0	0	--	29	16	--
S. F.	62	0	183	214	710	905	492
Mean	2	0	6	7	23	29	16
Max.	25	0	20	25	30	40	29
Min.	0	0	0	0	9	15	0
A. F.	120	0	360	420	1,410	1,800	980

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 2
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	36	31
2	0	0	0	0	0	12	40
3	0	0	0	0	0	19	44
4	0	0	0	0	0	28	34
5	0	0	0	0	0	26	28
6	0	0	0	0	0	24	25
7	0	0	0	0	0	28	25
8	0	0	0	0	0	34	28
9	0	0	0	0	0	36	36
10	0	0	15	0	0	37	30
11	0	0	29	0	0	36	31
12	0	0	27	0	0	35	32
13	0	0	25	0	0	42	43
14	0	0	32	0	0	40	45
15	0	0	30	0	0	42	44
16	0	0	23	0	0	43	45
17	0	0	22	0	0	39	48
18	0	0	18	0	0	37	49
19	0	0	20	0	0	36	50
20	0	0	21	0	0	34	51
21	0	0	23	0	0	35	61
22	0	0	20	0	0	33	49
23	0	0	22	0	0	32	26
24	0	0	23	0	0	32	22
25	0	0	27	0	0	31	22
26	0	0	29	0	0	31	24
27	0	0	10	0	0	32	23
28	0	0	0	0	0	32	22
29	0	0	0	0	0	25	24
30	0	0	0	0	0	28	26
31	0	0	0	0	0	32	30
S. F.	0	0	416	0	971	1,093	737
Mean	0	0	13	0	31	35	25
Max.	0	0	32	0	43	61	45
Min.	0	0	0	0	0	22	0
A. F.	0	0	830	0	1,930	2,170	1,460

PREVIOUSLY UNPUBLISHED DATA
1945

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 3
Diverted from the Middle Loup River--Sec. 1-17-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	30	0	0	0	16	38	61
2	25	0	0	0	12	36	64
3	20	0	0	0	11	36	71
4	5	0	0	0	18	39	80
5	0	0	0	0	15	34	57
6	0	0	0	0	14	33	81
7	0	0	0	0	15	36	78
8	0	0	23	13	16	42	82
9	0	0	37	5	29	45	86
10	0	0	44	14	32	40	83
11	0	0	28	18	34	43	76
12	0	0	27	21	29	57	67
13	0	0	29	30	26	63	55
14	0	0	38	20	23	61	50
15	0	0	36	22	23	63	49
16	0	0	23	17	25	62	49
17	0	0	18	12	25	60	56
18	0	0	22	11	19	57	50
19	0	0	13	5	19	57	49
20	0	0	18	16	20	69	47
21	0	0	36	15	22	44	41
22	0	0	15	16	15	18	37
23	0	0	12	17	26	32	36
24	0	0	25	19	5	42	36
25	0	0	40	22	25	35	33
26	0	0	25	18	21	36	33
27	0	0	16	16	28	34	30
28	0	0	0	18	34	35	30
29	0	0	0	15	33	45	31
30	0	0	0	16	32	59	29
31	0	0	0	--	34	63	
S. F.	80	0	525	376	696	1,414	1,627
Mean	3	0	17	13	22	46	54
Max.	30	0	44	30	34	69	86
Min.	0	0	0	0	11	18	29
A. F.	160	0	1,040	750	1,380	2,800	3,230

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 4
Diverted from the Middle Loup River--Sec. 36-18-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	42	0	0	0	27	35	46
2	43	0	0	0	25	41	45
3	39	0	0	0	24	46	53
4	39	0	11	0	26	45	61
5	25	0	22	0	24	39	64
6	0	0	25	0	26	53	67
7	0	0	22	0	27	70	71
8	0	0	27	0	27	74	76
9	0	0	29	0	33	74	69
10	0	0	25	0	37	76	71
11	0	0	23	0	38	71	65
12	0	0	25	0	37	67	65
13	0	0	24	0	34	72	58
14	0	0	26	0	32	76	48
15	0	0	25	0	34	75	40
16	0	0	23	0	34	76	35
17	0	0	24	0	34	76	34
18	0	0	27	0	35	73	33
19	0	0	23	9	34	70	35
20	0	0	24	22	33	71	32
21	0	0	22	22	33	24	28
22	0	0	11	22	33	23	23
23	0	0	12	23	37	18	22
24	0	0	16	24	43	17	23
25	0	0	14	29	32	22	22
26	0	0	18	29	31	37	24
27	0	0	0	29	22	37	26
28	0	0	0	28	19	38	25
29	0	0	0	26	19	39	12
30	0	0	0	24	22	43	0
31	0	0	0	--	28	46	--
S. F.	188	0	498	287	940	1,624	1,273
Mean	6	0	16	10	30	54	42
Max.	43	0	29	29	43	76	76
Min.	0	0	0	0	19	17	0
A. F.	370	0	990	570	1,860	3,340	2,520

PREVIOUSLY UNPUBLISHED DATA

1945

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 1 - SPILLS
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	6	2	6
2	0	0	0	0	4	0	6
3	0	0	0	0	2	0	5
4	0	0	0	0	4	0	5
5	0	0	0	0	2	0	4
6	0	0	0	0	4	0	1
7	0	0	0	0	6	0	2
8	0	0	0	0	6	0	6
9	0	0	0	0	7	0	7
10	0	0	0	0	7	0	7
11	0	0	0	0	10	0	6
12	0	0	0	0	10	0	4
13	0	0	0	0	9	0	6
14	0	0	0	0	7	0	8
15	0	0	0	0	8	0	8
16	0	0	0	0	8	1	8
17	0	0	0	0	10	2	8
18	0	0	0	0	10	2	10
19	0	0	0	0	9	1	11
20	0	0	0	0	10	0	7
21	0	0	0	0	9	2	4
22	0	0	0	1	10	4	4
23	0	0	0	6	8	3	4
24	0	0	0	6	7	6	4
25	0	0	0	9	8	7	6
26	0	0	0	4	8	9	7
27	0	0	0	5	6	9	8
28	0	0	0	4	5	8	6
29	0	0	0	6	3	8	0
30	0	0	0	5	3	6	0
31	0	0	0	-	3	6	-
S.F.	0	0	0	46	209	76	168
Mean	0	0	0	2	7	2	6
Max.	0	0	0	9	10	9	11
Min.	0	0	0	0	2	0	0
A.F.	0	0	0	90	410	150	330

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 2 - SPILLS
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	2	14
2	0	0	0	0	0	3	14
3	0	0	0	0	0	5	14
4	0	0	0	0	12	4	18
5	0	0	0	0	14	1	18
6	0	0	0	0	10	2	18
7	0	0	0	0	12	0	17
8	0	0	0	0	13	1	23
9	0	0	0	0	15	5	21
10	0	0	0	0	10	6	23
11	0	0	2	0	10	6	21
12	0	0	3	0	5	5	18
13	0	0	3	0	3	8	20
14	0	0	2	0	5	8	15
15	0	0	3	0	9	8	11
16	0	0	3	0	11	8	10
17	0	0	2	0	13	7	11
18	0	0	2	0	12	7	14
19	0	0	2	0	16	8	16
20	0	0	2	0	14	8	6
21	0	0	2	0	12	18	4
22	0	0	2	0	11	25	4
23	0	0	2	0	10	15	4
24	0	0	2	0	10	14	1
25	0	0	2	0	9	11	5
26	0	0	3	0	10	13	7
27	0	0	3	0	10	12	6
28	0	0	2	0	9	12	0
29	0	0	1	0	8	12	0
30	0	0	0	0	7	11	0
31	0	0	0	0	5	14	--
S.F.	0	0	43	0	290	257	353
Mean	0	0	1	0	9	8	12
Max.	0	0	3	0	16	25	23
Min.	0	0	0	0	0	0	0
A.F.	0	0	90	0	580	510	700

PREVIOUSLY UNPUBLISHED DATA
1945

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 3 - SPILLS
Diverted from the Middle Loup River--Sec. 1-17-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	2	0	0	0	6	8	0
2	5	0	0	0	5	7	0
3	8	0	0	0	4	8	0
4	7	0	0	0	3	7	0
5	3	0	0	0	7	8	0
6	1	0	0	0	3	1	0
7	0	0	0	0	2	1	0
8	0	0	0	0	3	3	8
9	0	0	0	0	3	7	6
10	0	0	8	5	7	8	5
11	0	0	3	2	7	3	6
12	0	0	3	5	6	2	6
13	0	0	2	4	3	7	5
14	0	0	6	3	1	5	4
15	0	0	11	5	1	2	7
16	0	0	8	4	5	2	11
17	0	0	0	4	8	4	13
18	0	0	0	3	3	8	9
19	0	0	0	1	5	9	7
20	0	0	0	2	5	9	10
21	0	0	0	2	4	12	14
22	0	0	0	0	4	8	13
23	0	0	0	1	2	9	13
24	0	0	0	2	4	2	13
25	0	0	0	3	8	4	11
26	0	0	0	0	7	7	11
27	0	0	6	6	7	8	13
28	0	0	0	5	6	1	11
29	0	0	0	5	6	0	12
30	0	0	0	5	6	1	15
31	0	0	0	-	5	1	--
S. F.	26	0	50	70	146	162	223
Mean	1	0	2	2	5	5	7
Max.	8	0	11	6	8	12	15
Min.	0	0	0	0	1	0	0
A. F.	50	0	100	140	290	320	440

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 4 - SPILLS
Diverted from the Middle Loup River--Sec. 36-18-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	6	0	0	0	3	7	7
2	7	0	0	0	4	7	2
3	9	0	0	0	3	10	1
4	8	0	0	0	2	8	0
5	9	0	0	0	3	7	0
6	12	0	0	0	3	3	0
7	3	0	0	0	4	7	0
8	0	0	0	0	4	8	1
9	0	0	3	0	5	4	5
10	0	0	0	0	6	2	6
11	0	0	7	0	9	2	6
12	0	0	4	0	9	0	10
13	0	0	6	0	8	1	16
14	0	0	5	0	5	7	16
15	0	0	6	0	5	7	16
16	0	0	4	0	9	7	13
17	0	0	1	0	8	9	13
18	0	0	1	0	9	10	17
19	0	0	1	0	10	8	16
20	0	0	1	0	11	8	19
21	0	0	2	0	11	4	18
22	0	0	4	0	13	8	16
23	0	0	0	0	12	2	10
24	0	0	0	0	15	1	8
25	0	0	0	0	19	0	11
26	0	0	0	3	14	4	10
27	0	0	2	2	9	17	13
28	0	0	0	2	7	14	17
29	0	0	0	3	6	11	16
30	0	0	0	3	5	7	3
31	0	0	0	-	5	8	--
S. F.	54	0	47	13	236	198	286
Mean	2	0	2	0	8	6	10
Max.	12	0	7	3	19	17	19
Min.	0	0	0	0	2	0	0
A. F.	110	0	90	30	470	390	570

PREVIOUSLY UNPUBLISHED DATA

1946

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1946

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diversions:								
Canal No. 1	630	300	1,060	850	1,590	1,830	620	6,880
Canal No. 2	460	530	1,310	1,130	1,880	2,770	1,110	9,190
Canal No. 3	1,430	710	2,340	1,870	3,720	4,420	2,080	16,570
Canal No. 4	780	1,050	2,630	2,070	3,340	4,240	1,490	15,600
Total Diversions	3,300	2,590	7,340	5,920	10,530	13,260	5,300	48,240
Returned through Spillways:								
Canal No. 1	320	0	340	280	380	330	360	2,010
Canal No. 2	250	110	520	310	440	500	730	2,860
Canal No. 3	650	0	480	370	350	300	720	2,870
Canal No. 4	300	0	750	520	600	320	580	3,070
Total Returned	1,520	110	2,090	1,480	1,770	1,450	2,390	10,810
Net Diversions	1,780	2,480	5,250	4,440	8,760	11,810	2,910	37,430

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 1
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	25	13	16	32	20
2	0	0	27	12	16	30	17
3	0	0	23	11	16	31	15
4	6	0	19	0	16	34	14
5	14	0	17	10	17	36	13
6	14	0	21	12	18	37	15
7	14	0	25	13	17	32	15
8	17	0	23	12	15	30	13
9	15	0	22	11	16	32	13
10	14	0	22	12	16	27	11
11	14	0	15	13	18	28	9
12	12	0	9	15	20	37	8
13	15	0	11	13	23	35	8
14	14	0	13	13	24	32	8
15	12	0	17	18	26	30	7
16	12	0	15	31	27	32	7
17	14	0	15	34	30	34	8
18	14	0	13	16	34	32	10
19	9	0	15	0	34	32	12
20	3	0	16	0	33	32	7
21	10	0	12	18	32	34	7
22	10	12	11	18	31	34	10
23	10	13	17	17	32	29	9
24	11	13	20	16	34	30	8
25	11	16	19	17	35	27	7
26	9	17	15	18	34	24	7
27	8	19	15	18	33	27	7
28	8	20	14	18	36	22	8
29	8	21	16	16	33	17	11
30	11	21	16	16	35	17	10
31	8	--	14	--	33	19	--
S. F.	317	152	532	431	800	925	314
Mean	10	5	17	14	26	30	10
Max.	17	21	27	34	36	37	20
Min.	0	0	9	0	15	17	7
A. F.	630	300	1,060	850	1,590	1,830	620

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 2
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	32	13	24	48	31
2	0	0	35	11	24	45	32
3	0	0	30	13	25	47	29
4	10	0	26	8	26	49	28
5	17	0	25	7	28	94	28
6	19	0	29	7	30	60	26
7	17	0	28	16	23	48	25
8	13	0	27	20	21	48	24
9	10	0	25	21	10	47	23
10	10	0	29	21	20	46	19
11	14	0	23	19	21	41	16
12	20	0	17	23	23	43	14
13	21	0	14	27	22	47	15
14	20	0	14	27	20	46	14
15	20	21	17	30	26	43	15
16	12	15	19	42	30	43	17
17	11	8	23	23	29	48	17
18	12	12	19	30	28	47	21
19	4	14	19	0	29	45	23
20	0	14	21	0	31	44	13
21	0	13	15	21	29	52	16
22	0	11	15	21	36	56	18
23	0	15	24	23	38	32	16
24	0	15	27	21	43	40	11
25	0	22	21	25	41	42	11
26	0	19	10	19	43	41	11
27	0	17	14	19	44	41	11
28	0	23	15	19	49	38	13
29	0	23	18	23	51	31	13
30	0	27	19	23	43	27	12
31	0	--	10	--	42	29	--
S. F.	230	269	660	572	949	1,398	559
Mean	7	9	21	19	32	45	19
Max.	21	27	35	42	51	84	32
Min.	0	0	10	0	10	27	11
A. F.	460	530	1,310	1,130	1,880	2,770	1,110

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MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 3
Diverted from the Middle Loup River--Sec. 1-17-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	28	0	59	34	27	87	57
2	26	0	71	33	26	89	61
3	21	0	48	30	26	84	56
4	18	0	39	29	26	86	51
5	27	0	41	30	28	85	45
6	32	0	39	36	29	88	50
7	31	0	52	39	31	21	58
8	32	0	43	39	38	101	56
9	32	0	57	36	42	93	43
10	28	0	65	44	49	80	36
11	27	0	61	47	47	84	37
12	29	0	49	48	58	75	33
13	32	0	43	57	68	64	41
14	28	0	34	56	73	64	35
15	26	0	31	56	85	64	30
16	20	0	29	57	76	41	32
17	18	0	24	76	85	58	32
18	22	17	20	0	67	59	44
19	26	16	22	0	66	55	34
20	22	15	24	0	68	68	20
21	20	19	16	15	72	78	16
22	21	19	17	13	61	97	22
23	18	21	32	13	66	84	16
24	23	24	29	21	76	82	16
25	25	32	39	25	85	76	16
26	26	34	33	21	81	72	19
27	29	33	27	19	78	70	24
28	24	36	27	20	82	60	27
29	9	42	35	24	90	56	25
30	0	51	37	26	84	52	17
31	0	--	36	--	85	57	--
S. F.	720	359	1,179	944	1,875	2,230	1,049
Mean	23	12	38	31	60	72	35
Max.	32	51	71	76	90	101	61
Min.	0	0	16	0	26	21	16
A. F.	1,430	710	2,340	1,870	3,720	4,420	2,080

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 4
Diverted from the Middle Loup River--Sec. 36-18-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	64	38	32	80	58
2	0	0	67	36	32	78	62
3	0	0	63	33	32	82	62
4	0	0	57	32	32	88	57
5	0	0	56	30	34	86	50
6	0	0	58	33	43	89	47
7	0	0	53	33	44	66	40
8	0	0	47	33	47	66	45
9	13	0	45	38	48	62	23
10	13	0	48	42	47	65	21
11	16	0	45	38	47	65	20
12	20	0	39	46	51	64	18
13	22	0	33	57	58	61	19
14	24	0	30	54	61	61	19
15	26	14	32	53	64	62	19
16	26	25	34	64	60	61	19
17	24	27	36	82	59	63	18
18	24	24	34	0	60	63	21
19	25	25	33	0	60	61	17
20	15	25	36	0	57	60	10
21	0	27	35	0	54	67	9
22	0	31	31	0	54	77	8
23	11	36	36	39	54	77	8
24	27	29	43	43	56	75	11
25	23	32	43	39	59	78	11
26	19	47	37	37	68	75	10
27	12	48	38	36	80	76	10
28	21	45	36	38	64	57	13
29	23	45	36	37	71	60	13
30	10	51	41	35	76	58	11
31	0	--	40	--	80	57	--
S. F.	394	531	1,326	1,046	1,684	2,140	749
Mean	13	18	43	35	54	69	25
Max.	27	51	67	82	80	89	62
Min.	0	0	30	0	32	57	8
A. F.	780	1,050	2,630	2,070	3,340	4,240	1,490

PREVIOUSLY UNPUBLISHED DATA
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MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 1 - SPILLS
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	4	7	9	4	8
2	0	0	10	6	9	0	8
3	0	0	8	4	9	0	6
4	0	0	7	5	10	1	8
5	3	0	1	2	10	4	6
6	7	0	3	5	9	1	5
7	9	0	5	6	11	6	9
8	10	0	5	6	10	9	8
9	8	0	5	4	10	7	8
10	7	0	10	3	11	6	8
11	7	0	6	4	11	2	6
12	6	0	2	4	10	6	4
13	8	0	1	2	10	6	5
14	7	0	13	0	5	8	2
15	6	0	6	0	6	7	4
16	6	0	6	3	3	5	4
17	6	0	6	6	0	5	4
18	6	0	4	3	4	6	6
19	6	0	2	0	2	6	10
20	1	0	5	0	6	9	6
21	4	0	4	0	5	8	4
22	7	0	1	8	4	8	6
23	7	0	3	9	0	8	7
24	7	0	9	8	0	8	6
25	7	0	8	9	8	5	4
26	6	0	7	8	3	3	4
27	6	0	5	7	0	6	4
28	5	0	4	4	0	7	7
29	4	0	7	8	6	4	8
30	4	0	9	9	6	3	7
31	2	0	5	-	6	7	-
S. F.	162	0	171	140	193	165	182
Mean	5	0	6	5	6	5	6
Max.	10	0	13	9	11	9	10
Min.	0	0	1	0	0	0	2
A. F.	320	0	340	280	380	330	360

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 2 - SPILLS
Diverted from the Middle Loup River--Sec. 10-19-18

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	8	7	11	1	14
2	0	0	14	5	10	1	15
3	0	0	10	2	8	1	16
4	0	0	8	1	8	4	17
5	8	0	7	2	9	5	16
6	15	0	10	3	9	6	16
7	14	0	12	4	9	8	17
8	11	0	8	8	10	9	15
9	8	0	9	8	10	8	16
10	1	0	12	7	9	7	16
11	6	0	12	2	10	7	12
12	9	0	9	2	9	9	9
13	11	0	6	4	9	11	10
14	10	0	7	1	8	11	10
15	9	0	8	0	9	11	11
16	6	0	9	3	14	10	11
17	4	1	13	8	12	10	11
18	5	2	10	5	10	7	14
19	6	4	7	0	9	8	16
20	1	2	9	0	8	8	12
21	0	2	5	0	8	8	11
22	0	0	3	9	6	4	12
23	0	4	6	7	3	0	11
24	0	2	12	7	3	5	10
25	0	8	11	11	4	10	8
26	0	7	4	11	2	12	9
27	0	4	2	9	2	15	8
28	0	6	6	8	1	17	9
29	0	5	6	10	2	14	9
30	0	6	11	10	1	11	9
31	0	-	9	--	1	13	--
S. F.	124	53	263	154	224	251	370
Mean	4	2	8	5	7	8	12
Max.	15	8	14	11	14	17	17
Min.	0	0	2	0	1	0	8
A. F.	250	110	520	310	440	500	730

PREVIOUSLY UNPUBLISHED DATA

1946

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 3 - SPILLS
Diverted from the Middle Loup River--Sec. 1-17-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	13	0	0	17	5	0	5
2	13	0	0	16	6	0	7
3	12	0	0	14	5	0	7
4	8	0	0	12	1	2	7
5	6	0	0	9	2	6	8
6	10	0	0	11	2	9	8
7	5	0	0	10	6	8	15
8	10	0	7	11	6	8	15
9	12	0	7	4	8	7	14
10	13	0	14	3	9	7	13
11	10	0	17	5	7	5	13
12	10	0	15	6	3	4	16
13	13	0	12	5	3	11	15
14	14	0	5	6	5	9	18
15	13	0	8	9	11	9	14
16	10	0	8	4	11	8	15
17	9	0	8	7	8	6	16
18	11	0	3	0	9	5	17
19	8	0	3	0	9	6	21
20	11	0	6	0	9	4	13
21	11	0	6	0	9	0	12
22	11	0	0	0	10	0	9
23	12	0	15	0	8	2	13
24	11	0	13	0	6	2	8
25	14	0	14	9	7	3	10
26	15	0	16	11	5	5	8
27	15	2	11	7	1	5	10
28	13	0	11	4	1	5	15
29	10	0	13	4	3	5	12
30	5	0	16	5	2	6	10
31	1	-	16	-	1	5	--
S. F.	329	2	244	189	178	152	364
Mean	11	0	8	6	6	5	12
Max.	15	2	17	17	11	11	21
Min.	1	0	0	0	1	0	5
A. F.	650	0	480	370	350	300	720

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 4 - SPILLS
Diverted from the Middle Loup River--Sec. 36-18-17

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	17	17	1	7
2	0	0	4	17	16	2	10
3	0	0	19	17	16	0	13
4	0	0	12	15	12	0	14
5	0	0	15	12	9	2	16
6	0	0	13	12	9	3	14
7	0	0	14	10	17	6	14
8	0	0	13	9	18	5	17
9	0	0	11	4	19	7	15
10	0	0	14	6	17	6	12
11	0	0	18	5	13	4	11
12	2	0	17	1	6	4	10
13	11	0	12	1	6	6	10
14	14	0	9	3	4	10	12
15	13	0	7	0	5	14	11
16	12	0	9	0	9	16	11
17	11	0	11	6	11	17	11
18	10	0	12	13	15	18	11
19	10	0	9	2	14	15	17
20	12	0	11	0	16	5	10
21	6	0	11	0	15	1	4
22	1	0	9	0	13	1	4
23	1	0	9	0	9	2	2
24	0	0	16	12	7	0	3
25	10	0	17	15	5	0	4
26	9	0	17	16	2	0	6
27	6	0	12	15	0	3	4
28	1	0	13	17	0	4	4
29	6	0	12	18	0	1	6
30	10	0	16	19	0	2	8
31	5	-	17	--	2	5	--
S. F.	150	0	379	262	302	160	291
Mean	5	0	12	9	10	5	10
Max.	14	0	19	19	19	18	17
Min.	0	0	0	0	0	0	5
A. F.	300	0	750	520	600	320	580

PREVIOUSLY UNPUBLISHED DATA

1944

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1944

	Oct.	June	July	Aug.	Sept.	Total
Diversions:						
Taylor-Ord Canal	4,630	310	6,300	9,040	4,320	24,600
Burwell-Sumter Canal	600	840	2,280	4,200	1,800	9,720
Ord-North Loup Canal	840	860	3,130	4,840	2,330	12,000
Total Diversions	6,070	2,010	11,710	18,080	8,450	46,320
Returned through Spillways:						
Taylor-Ord Canal	130	0	150	130	270	680
Burwell-Sumter Canal	260	220	380	230	530	1,620
Ord-North Loup Canal	230	60	150	100	440	980
Total Returned	620	280	680	460	1,240	3,280
Net Diversions	5,450	1,730	11,030	17,620	7,210	43,040

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL
Diverted from the North Loup River

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	88	0	0	0	108	167	101
2	63	0	0	0	112	167	82
3	60	0	0	0	102	167	86
4	60	0	0	0	84	167	82
5	62	0	0	0	95	168	86
6	65	0	0	0	81	167	77
7	67	0	0	0	95	168	91
8	72	0	0	0	71	164	86
9	78	0	0	0	78	160	85
10	84	0	0	0	72	157	85
11	90	0	0	0	80	157	80
12	90	0	0	0	73	163	79
13	72	0	0	0	87	162	82
14	86	0	0	0	76	160	75
15	86	0	0	0	80	165	82
16	85	0	0	0	82	167	71
17	90	0	0	0	88	164	76
18	84	0	0	0	76	166	32
19	85	0	0	0	75	167	0
20	85	0	0	0	82	166	4
21	85	0	0	0	88	164	1
22	86	0	0	0	92	171	85
23	80	0	0	0	102	141	85
24	83	0	0	0	118	140	85
25	85	0	0	0	129	143	85
26	86	0	0	0	133	122	76
27	85	0	0	0	151	86	76
28	80	0	0	0	167	74	85
29	74	0	0	39	168	77	76
30	85	0	0	118	167	76	81
31	--	0	0	---	164	74	--
S. F.	2,333	0	0	157	3,176	4,557	2,177
Mean	75	0	0	5	102	147	73
Max.	90	0	0	118	168	171	101
Min.	58	0	0	0	71	74	0
A. F.	4,630	0	0	310	6,300	9,040	4,320

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
BURWELL-SUMTER CANAL
Diverted from North Loup River--Sec. 14-21-16

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	16.9	0	0	0	34	72	35
2	16.5	0	0	0	31	70	38
3	13.8	0	0	0	24	74	33
4	15.8	0	0	0	25	83	37
5	15.6	0	0	0	36	88	35
6	15.8	0	0	0	35	88	34
7	15.8	0	0	18	32	88	31
8	15.8	0	0	26	33	88	35
9	15.1	0	0	6	32	85	35
10	14.5	0	0	18	33	83	35
11	14.9	0	0	26	35	80	34
12	11.7	0	0	0	35	76	35
13	16.5	0	0	0	31	77	36
14	17.7	0	0	0	33	78	36
15	15.6	0	0	0	30	15	34
16	16.2	0	0	10	29	79	33
17	15.1	0	0	23	31	88	31
18	15.1	0	0	17	29	88	31
19	15.3	0	0	14	26	81	34
20	10.0	0	0	18	32	85	34
21	0	0	0	16	33	77	31
22	0	0	0	18	32	74	28
23	0	0	0	21	33	61	21
24	0	0	0	23	23	61	18
25	0	0	0	23	10	58	22
26	0	0	0	26	48	45	21
27	0	0	0	29	47	34	19
28	0	0	0	29	61	35	21
29	0	0	0	31	79	35	20
30	0	0	0	32	79	37	18
31	--	0	0	--	77	35	--
S. F.	304	0	0	424	1,148	2,118	905
Mean	10	0	0	14	37	68	30
Max.	17.7	0	0	32	79	88	38
Min.	10.0	0	0	0	10	34	18
A. F.	600	0	0	840	2,280	4,200	1,800

PREVIOUSLY UNPUBLISHED DATA
1944

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL
Diverted from North Loup River--Sec. 22-19-44

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	14	0	0	0	40	81	51
2	14	0	0	0	41	81	51
3	14	0	0	0	41	80	49
4	14	0	0	0	40	83	43
5	14	0	0	0	42	4	43
6	13	0	0	0	42	83	41
7	14	0	0	0	45	69	42
8	15	0	0	0	40	79	42
9	18	0	0	0	42	81	43
10	18	0	0	0	43	78	41
11	16	0	0	0	42	91	44
12	18	0	0	0	45	94	44
13	12	0	0	0	45	93	43
14	14	0	0	0	42	94	43
15	16	0	0	0	44	93	43
16	11	0	0	0	44	84	44
17	10	0	0	0	49	93	43
18	11	0	0	41	48	93	42
19	10	0	0	20	48	95	36
20	20	0	0	16	48	91	35
21	15	0	0	24	47	95	31
22	14	0	0	35	50	93	36
23	14	0	0	47	54	94	32
24	13	0	0	32	57	84	31
25	11	0	0	26	62	74	33
26	15	0	0	29	58	65	32
27	16	0	0	41	69	64	31
28	13	0	0	39	73	66	30
29	14	0	0	37	77	64	32
30	14	0	0	45	80	50	30
31	--	0	0	--	81	52	--
S.F.	425	0	0	432	1,579	2,441	1,181
Mean	14	0	0	14	51	79	39
Max.	20	0	0	47	81	95	51
Min.	10	0	0	0	40	4	30
A.F.	840	0	0	860	3,130	4,840	2,330

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL - SPILLS
Diverted from the North Loup River

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	1	0	0	0	0	0	4
2	5	0	0	0	0	0	4
3	0	0	0	0	3	0	4
4	3	0	0	0	5	0	4
5	3	0	0	0	4	0	2
6	2	0	0	0	3	0	2
7	1	0	0	0	3	0	2
8	0	0	0	0	2	0	4
9	1	0	0	0	2	0	6
10	1	0	0	0	4	0	6
11	3	0	0	0	4	0	6
12	4	0	0	0	5	0	6
13	5	0	0	0	5	0	6
14	1	0	0	0	5	0	6
15	3	0	0	0	5	0	6
16	1	0	0	0	5	1	6
17	3	0	0	0	5	1	6
18	2	0	0	0	4	1	6
19	2	0	0	0	4	1	6
20	0	0	0	0	4	3	5
21	2	0	0	0	1	3	4
22	3	0	0	0	4	4	3
23	2	0	0	0	0	6	4
24	1	0	0	0	0	7	5
25	0	0	0	0	0	7	4
26	0	0	0	0	0	2	4
27	0	0	0	0	0	7	2
28	3	0	0	0	0	6	3
29	4	0	0	0	0	6	3
30	3	0	0	0	0	4	9
31	0	0	0	0	0	3	-
S.F.	59	0	0	0	77	67	138
Mean	2	0	0	0	2	2	5
Max.	7	0	0	0	5	7	9
Min.	0	0	0	0	0	0	2
A.F.	130	0	0	0	150	130	270

PREVIOUSLY UNPUBLISHED DATA

1944

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
BURNELL-SUMTER - SPILLS
Diverted from North Loup River--Sec. 14-21-16

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	9	0	0	0	9	6	10
2	9	0	0	0	9	6	10
3	9	0	0	0	10	5	10
4	8	0	0	0	9	3	10
5	9	0	0	0	9	2	9
6	9	0	0	0	9	1	9
7	7	0	0	0	9	1	9
8	5	0	0	0	8	2	8
9	5	0	0	0	7	2	4
10	6	0	0	0	8	2	9
11	6	0	0	0	6	1	9
12	5	0	0	0	6	0	9
13	4	0	0	0	6	0	9
14	5	0	0	0	6	0	10
15	6	0	0	0	7	0	10
16	8	0	0	0	6	0	10
17	3	0	0	0	7	1	9
18	3	0	0	8	6	0	9
19	1	0	0	8	6	0	9
20	2	0	0	8	5	1	10
21	4	0	0	9	5	1	10
22	2	0	0	8	3	4	9
23	2	0	0	8	4	6	8
24	1	0	0	8	4	7	8
25	0	0	0	8	2	8	8
26	1	0	0	9	4	9	8
27	0	0	0	9	5	10	8
28	0	0	0	9	3	9	8
29	0	0	0	9	2	10	8
30	0	0	0	9	2	9	8
31	0	0	0	-	5	10	--
S.F.	129	0	0	110	190	116	266
Mean	4	0	0	4	6	4	9
Max.	9	0	0	9	10	10	10
Min.	0	0	0	0	2	0	4
A.F.	260	0	0	220	380	230	530

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL - SPILLS
Diverted from North Loup River--Sec. 22-19-44

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	6	0	0	0	4	0	8
2	6	0	0	0	5	0	9
3	7	0	0	0	5	0	9
4	6	0	0	0	5	0	9
5	4	0	0	0	5	0	8
6	4	0	0	0	6	0	7
7	2	0	0	0	6	0	8
8	2	0	0	0	6	0	8
9	2	0	0	0	5	0	7
10	6	0	0	0	5	0	7
11	7	0	0	0	5	0	7
12	7	0	0	0	4	0	6
13	8	0	0	0	5	0	6
14	9	0	0	0	3	0	5
15	8	0	0	0	2	0	7
16	7	0	0	0	1	0	8
17	6	0	0	0	1	0	7
18	6	0	0	0	1	0	8
19	5	0	0	0	0	0	9
20	4	0	0	0	1	1	9
21	2	0	0	3	0	1	8
22	0	0	0	2	0	0	7
23	0	0	0	3	0	0	7
24	0	0	0	3	0	0	7
25	0	0	0	2	0	2	7
26	0	0	0	3	0	7	7
27	0	0	0	4	1	7	7
28	0	0	0	3	0	8	6
29	0	0	0	3	0	8	6
30	0	0	0	3	0	8	6
31	0	0	0	0	0	8	0
S.F.	114	0	0	29	76	50	220
Mean	4	0	0	1	2	2	7
Max.	9	0	0	4	6	8	9
Min.	0	0	0	0	0	0	0
A.F.	230	0	0	60	150	100	440

PREVIOUSLY UNPUBLISHED DATA
1945

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1945

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diversions:								
Taylor-Ord Canal	3,050	0	2,210	900	3,220	6,880	5,770	22,030
Burwell-Sumter Canal	390	0	360	980	1,860	5,470	2,790	11,850
Ord-North Loup Canal	1,140	300	1,640	480	1,430	3,720	2,760	11,470
Total Diversions	4,580	300	4,210	2,360	6,510	16,070	11,320	45,350
Returned through Spillways:								
Taylor-Ord Canal	190	0	70	20	430	140	270	1,120
Burwell-Sumter Canal	230	0	0	90	350	120	230	1,020
Ord-North Loup Canal	250	0	260	110	300	340	390	1,650
Total Returned	670	0	330	220	1,080	600	890	3,790
Net Diversions	3,910	300	3,880	2,140	5,430	15,470	10,430	41,560

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL
Diverted from the North Loup River

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	42	0	86	55	51	155	121
2	49	0	76	46	48	154	111
3	50	0	93	57	56	152	123
4	45	0	54	55	49	152	100
5	50	0	53	61	62	158	84
6	52	0	34	53	65	161	99
7	54	0	63	67	56	168	88
8	54	0	66	79	57	169	80
9	56	0	63	74	44	170	77
10	53	0	60	65	49	166	49
11	53	0	51	77	56	169	80
12	47	0	39	83	50	172	44
13	49	0	54	91	58	175	50
14	58	0	61	102	60	175	63
15	68	0	54	102	82	177	67
16	52	0	56	122	90	170	75
17	34	0	52	137	88	163	51
18	39	0	60	123	98	160	35
19	50	0	51	80	133	156	22
20	46	0	51	95	130	153	38
21	46	0	59	69	134	165	22
22	41	0	47	73	140	175	35
23	49	95	23	90	149	179	37
24	48	115	55	67	150	182	22
25	44	109	49	48	152	181	24
26	41	68	55	47	155	181	30
27	41	23	52	52	158	155	29
28	49	35	52	47	158	153	34
29	51	48	52	47	161	158	39
30	59	74	55	50	160	152	27
31	29	--	52	--	157	116	--
S. F.	1,499	587	1,728	2,214	3,056	5,072	1,756
Mean	48	20	56	74	99	164	59
Max.	68	115	93	137	161	182	123
Min.	29	0	23	46	44	116	22
A. F.	2,970	1,160	3,430	4,390	6,060	10,060	3,480

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
BURWELL-SUMTER CANAL
Diverted from North Loup River--Sec. 14-21-16

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	38	0	53	33	29	102	76
2	35	0	57	24	30	101	73
3	38	0	35	19	32	100	72
4	31	0	34	22	42	100	72
5	32	0	42	18	41	122	72
6	32	0	45	19	34	122	68
7	21	0	48	16	0	118	56
8	3	0	49	6	0	116	53
9	0	0	47	0	0	113	44
10	0	0	0	0	0	113	49
11	0	0	43	0	58	114	33
12	0	0	47	36	62	117	33
13	0	0	39	4	65	116	36
14	0	0	38	0	45	118	31
15	0	0	38	34	0	116	34
16	0	0	39	37	14	115	31
17	0	0	43	26	0	116	35
18	0	0	41	10	0	113	37
19	0	0	37	9	0	115	29
20	0	0	40	22	0	114	29
21	0	0	38	27	0	116	34
22	0	0	37	23	0	116	35
23	0	0	43	34	0	116	27
24	0	0	46	30	0	115	34
25	0	52	48	48	0	112	34
26	0	43	42	35	82	116	36
27	0	36	35	33	44	117	32
28	0	38	39	32	66	107	35
29	0	38	27	31	75	103	34
30	0	49	39	31	84	98	34
31	0	--	38	--	100	81	--
S. F.	230	256	1,247	659	933	3,458	1,298
Mean	7	9	40	22	29	112	43
Max.	38	52	57	48	100	122	76
Min.	0	0	0	0	0	81	27
A. F.	460	510	2,470	1,310	1,780	6,860	2,570

PREVIOUSLY UNPUBLISHED DATA
1945

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL
Diverted from North Loup River--Sec. 22-19-44

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	22	0	76	0	36	92	70
2	21	0	79	0	36	94	70
3	20	0	73	16	37	92	66
4	22	0	63	19	36	96	58
5	21	0	64	19	36	94	59
6	21	0	53	22	36	102	55
7	22	0	40	26	33	102	0
8	20	0	35	36	35	96	0
9	21	0	31	35	36	78	0
10	23	0	30	50	55	77	32
11	22	0	31	56	51	78	39
12	21	0	33	60	52	79	33
13	20	33	30	67	70	77	25
14	20	16	30	77	82	78	0
15	19	24	30	75	89	78	23
16	18	34	31	78	94	80	24
17	19	35	29	74	90	80	26
18	17	53	31	47	102	78	25
19	17	58	28	0	101	78	0
20	18	60	24	0	101	78	0
21	16	60	24	0	99	83	0
22	18	63	24	46	98	85	0
23	17	74	25	50	97	85	0
24	16	84	26	47	95	83	16
25	16	86	24	40	94	84	13
26	16	84	23	38	53	84	16
27	16	89	26	38	79	84	15
28	15	87	24	39	87	83	18
29	16	87	0	35	72	82	16
30	16	85	0	36	93	81	14
31	10	--	0	--	92	69	713
S. F.	576	1,112	1,037	1,126	2,167	2,610	713
Mean	19	37	33	38	70	84	24
Max.	23	89	79	78	102	102	70
Min.	10	0	0	0	33	69	0
A. F.	1,140	2,210	2,060	2,230	4,300	5,180	1,410

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL - SPILLS
Diverted from the North Loup River

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	7	0	2	7	7	0	4
2	7	0	4	7	6	0	6
3	7	0	6	6	6	0	8
4	7	0	8	7	6	0	10
5	7	0	6	6	5	0	9
6	6	0	5	4	6	0	6
7	6	0	0	0	8	1	6
8	6	0	3	0	5	2	7
9	6	0	7	3	6	0	8
10	6	0	7	1	6	0	9
11	6	0	7	0	5	0	5
12	6	0	7	0	4	0	10
13	5	0	1	0	2	0	10
14	5	0	1	0	0	0	6
15	5	0	5	0	0	3	5
16	5	0	5	0	0	3	5
17	4	0	4	0	0	3	5
18	1	0	5	5	0	2	5
19	0	0	4	5	0	1	9
20	0	0	5	6	0	0	5
21	1	0	3	8	0	0	2
22	0	0	5	7	0	0	3
23	0	0	4	7	0	0	5
24	1	0	0	7	0	2	7
25	1	0	3	7	0	3	4
26	4	3	4	7	0	2	4
27	3	7	6	6	0	1	3
28	2	1	5	6	0	3	3
29	2	0	4	6	0	4	4
30	3	0	7	6	0	4	5
31	4	-	7	0	0	5	-
S. F.	123	11	140	124	72	39	178
Mean	4	0	5	4	2	1	6
Max.	7	7	8	8	8	5	10
Min.	0	0	0	0	0	0	2
A. F.	240	20	280	250	140	80	350

PREVIOUSLY UNPUBLISHED DATA
1945

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
BURWELL-SUNTER CANAL - SPILLS
Diverted from North Loup River--Sec. 14-21-16

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	3	0	4	12	6	0	4
2	4	0	3	11	3	0	6
3	4	0	4	9	5	0	5
4	8	0	2	7	3	0	5
5	8	0	2	0	7	0	6
6	7	0	2	6	5	0	8
7	4	0	1	5	4	0	8
8	2	0	1	5	1	0	8
9	0	0	1	2	0	0	6
10	0	0	2	0	0	0	3
11	0	0	0	0	0	0	2
12	0	0	0	0	6	0	1
13	0	0	11	0	5	0	11
14	0	0	5	1	1	0	4
15	0	0	5	0	0	0	9
16	0	0	8	0	0	0	7
17	0	0	8	2	0	0	0
18	0	0	8	2	0	0	10
19	0	0	8	1	0	0	7
20	0	0	8	1	0	0	4
21	0	0	8	2	0	0	6
22	0	0	7	2	0	0	6
23	0	0	5	2	0	0	6
24	0	0	1	6	0	1	4
25	0	0	2	8	0	1	6
26	0	0	12	8	0	1	7
27	0	5	10	4	0	5	6
28	0	5	9	4	0	7	7
29	0	4	9	2	0	7	7
30	0	4	12	6	0	8	8
31	0	-	7	-	0	6	-
S. F.	40	18	165	110	46	34	175
Mean	1	1	5	4	7	1	6
Max.	8	5	12	12	7	8	11
Min.	0	0	0	0	0	0	0
A. F.	80	40	330	220	90	70	350

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL - SPILLS
Diverted from North Loup River--Sec. 22-19-44

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	6	0	5	0	9	1	5
2	6	0	9	0	10	1	6
3	6	0	4	0	7	0	7
4	5	0	8	0	7	0	6
5	4	0	10	0	8	1	7
6	4	0	11	2	5	6	7
7	3	0	9	1	9	8	5
8	3	0	11	1	8	11	0
9	3	0	7	7	4	6	0
10	8	0	12	10	7	10	0
11	9	0	8	6	7	4	3
12	9	0	6	4	2	6	9
13	10	0	6	7	3	6	9
14	10	0	6	9	5	4	9
15	3	0	7	7	3	3	3
16	3	0	7	7	4	3	5
17	5	0	7	7	4	4	5
18	2	3	7	4	1	4	5
19	2	5	6	0	2	3	5
20	1	4	5	0	5	1	2
21	0	3	4	0	3	0	1
22	0	4	4	0	1	0	0
23	0	0	5	5	0	0	0
24	0	1	10	15	0	0	0
25	0	5	10	9	1	0	0
26	0	4	9	6	0	1	3
27	0	8	10	6	0	2	3
28	0	3	9	6	0	4	5
29	0	4	8	7	0	6	5
30	0	4	7	9	0	7	5
31	0	0	0	0	1	6	-
S. F.	102	48	230	135	118	108	120
Mean	3	2	7	4	4	3	4
Max.	10	8	12	15	10	11	9
Min.	0	0	0	0	0	0	0
A. F.	200	100	460	270	230	210	240

PREVIOUSLY UNPUBLISHED DATA

1946

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1946

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diversions:								
Taylor-Ord Canal	2,970	1,160	3,430	4,390	6,060	10,060	3,480	31,550
Burwell-Sumter Canal	460	510	2,470	1,310	1,780	6,860	2,570	15,960
Ord-North Loup Canal	1,140	2,210	2,060	2,230	4,300	5,180	1,410	18,530
Total Diversions	4,570	3,880	7,960	7,930	12,140	22,100	7,460	66,040
Returned through Spillways:								
Taylor-Ord Canal	240	20	280	250	140	80	350	1,360
Burwell-Sumter Canal	80	40	330	220	90	70	350	1,180
Ord-North Loup Canal	200	100	460	270	230	210	240	1,710
Total Returned	520	160	1,070	740	460	360	940	4,250
Net Diversions	4,050	3,720	6,890	7,190	11,680	21,740	6,520	61,790

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL
Diverted from the North Loup River

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	85	0	0	0	58	74	107
2	78	0	0	0	62	69	132
3	71	0	0	0	68	104	120
4	63	0	0	0	74	105	117
5	85	0	0	0	58	122	124
6	58	0	0	0	58	127	154
7	53	0	0	0	55	132	153
8	58	0	0	0	61	135	149
9	47	0	0	0	74	133	151
10	44	0	0	0	52	142	154
11	42	0	0	0	56	135	146
12	91	0	51	0	51	136	104
13	51	0	95	0	49	136	112
14	46	0	83	0	50	152	122
15	44	0	71	0	52	150	80
16	44	0	65	0	46	154	92
17	46	0	61	0	32	153	97
18	51	0	59	0	38	156	86
19	65	0	67	0	34	152	51
20	48	0	74	0	31	152	62
21	48	0	67	0	38	121	65
22	46	0	67	34	43	66	63
23	44	0	73	50	44	68	63
24	44	0	76	49	50	67	60
25	50	0	84	54	41	68	68
26	44	0	71	60	45	79	69
27	45	0	32	59	42	66	59
28	45	0	10	38	48	79	59
29	0	0	8	50	67	71	48
30	0	0	2	58	71	80	41
31	0	0	0	0	73	86	0
S. F.	1,536	0	1,116	452	1,621	3,470	2,908
Mean	50	0	36	15	52	112	97
Max.	91	0	95	60	74	156	154
Min.	0	0	0	0	31	66	41
A. F.	3,050	0	2,210	900	3,220	6,880	5,770

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
BURWELL-SUMTER CANAL
Diverted from North Loup River--Sec. 14-21-16

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	20	0	0	0	29	56	66
2	18	0	0	0	28	53	62
3	18	0	0	0	28	61	57
4	15	0	0	0	26	64	68
5	16	0	0	0	30	85	62
6	13	0	0	0	30	77	66
7	11	0	0	0	30	101	66
8	10	0	0	0	24	117	67
9	15	0	0	0	32	112	52
10	14	0	0	0	36	112	58
11	14	0	0	0	34	115	56
12	11	0	0	0	38	114	44
13	7	0	0	0	36	115	44
14	7	0	0	0	29	113	45
15	7	0	0	0	32	113	37
16	0	0	0	0	31	110	38
17	0	0	0	0	18	114	35
18	0	0	0	31	16	112	37
19	0	0	0	44	16	114	35
20	0	0	0	45	16	114	36
21	0	0	0	38	16	99	36
22	0	0	0	39	16	101	35
23	0	0	0	39	25	97	37
24	0	0	52	44	26	86	35
25	0	0	52	47	42	82	38
26	0	0	52	42	50	43	40
27	0	0	26	35	48	45	42
28	0	0	0	29	48	66	41
29	0	0	0	27	48	57	38
30	0	0	0	33	19	56	35
31	0	0	0	0	48	55	0
S. F.	196	0	182	493	939	2,764	1,409
Mean	6	0	6	16	30	89	47
Max.	20	0	52	47	50	117	68
Min.	0	0	0	0	16	43	35
A. F.	390	0	360	980	1,860	5,470	2,790

PREVIOUSLY UNPUBLISHED DATA

1946

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL
Diverted from North Loup River--Sec. 22-19-44

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	28	0	17	0	20	41	49
2	29	0	17	0	21	43	58
3	28	0	19	0	25	56	61
4	29	0	22	0	21	71	69
5	28	0	25	0	23	74	68
6	26	0	26	0	22	77	69
7	32	0	25	0	23	90	69
8	27	0	26	0	0	90	69
9	26	0	28	0	11	89	66
10	28	0	29	0	23	90	69
11	29	0	32	0	30	88	65
12	30	0	37	0	37	88	55
13	29	0	36	0	36	90	47
14	29	0	37	0	35	90	41
15	28	0	36	0	36	90	39
16	26	0	42	0	18	96	40
17	27	0	42	0	0	58	41
18	27	0	42	2	0	48	40
19	27	0	43	14	0	50	35
20	27	0	42	16	0	51	34
21	17	0	39	22	18	54	34
22	0	0	32	22	22	50	33
23	0	0	32	21	27	42	35
24	0	0	30	21	28	33	34
25	0	15	31	22	29	30	35
26	0	44	33	21	36	31	34
27	0	39	8	22	34	33	34
28	0	17	0	16	36	31	28
29	0	19	0	22	36	32	20
30	0	19	0	20	35	32	19
31	0	--	0	--	37	38	--
S.F.	577	153	828	241	719	1,876	1,390
Mean.	19	5	27	8	23	61	46
Max.	32	44	43	22	37	96	69
Min.	0	0	0	0	0	30	19
A.F.	1,140	300	1,640	480	1,430	3,720	2,760

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL - SPILLS
Diverted from the North Loup River

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	4	0	0	0	6	4	0
2	8	0	0	0	6	1	1
3	8	0	0	0	7	0	0
4	8	0	0	0	7	0	1
5	6	0	0	0	7	4	0
6	8	0	0	0	7	3	0
7	5	0	0	0	7	4	1
8	4	0	0	0	7	4	2
9	6	0	0	0	7	4	4
10	5	0	0	0	8	4	3
11	5	0	0	0	7	5	2
12	4	0	0	0	8	4	6
13	5	0	0	0	8	3	7
14	2	0	0	0	7	2	6
15	0	0	0	0	6	1	6
16	1	0	0	0	7	0	7
17	3	0	0	0	7	0	7
18	3	0	0	0	8	0	7
19	2	0	0	0	8	0	6
20	3	0	0	0	7	1	7
21	2	0	0	0	7	1	6
22	2	0	2	0	8	2	6
23	0	0	7	0	8	4	6
24	0	0	6	0	8	5	6
25	0	0	7	0	7	4	6
26	0	0	7	0	7	5	6
27	0	0	7	0	7	4	6
28	0	0	7	2	6	4	6
29	0	0	1	4	6	2	7
30	0	0	0	5	6	0	7
31	0	0	0	--	5	0	--
S.F.	96	0	37	11	217	71	136
Mean	3	0	1	0	7	2	5
Max.	8	0	7	5	8	5	7
Min.	0	0	0	0	5	0	0
A.F.	190	0	70	20	430	140	270

PREVIOUSLY UNPUBLISHED DATA

1946

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
 BURWELL-SUMTER CANAL - SPILLS
 Diverted from North Loup River--Sec. 14-21-16

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	8	0	0	0	5	7	5
2	8	0	0	0	5	6	2
3	8	0	0	0	5	2	5
4	8	0	0	0	6	4	3
5	8	0	0	0	5	3	5
6	7	0	0	0	5	3	6
7	7	0	0	0	6	0	6
8	7	0	0	0	6	1	5
9	6	0	0	0	5	0	4
10	7	0	0	0	5	0	2
11	7	0	0	0	6	0	2
12	6	0	0	0	6	0	3
13	7	0	0	0	6	0	3
14	7	0	0	0	6	0	3
15	7	0	0	0	5	0	5
16	5	0	0	0	7	0	4
17	1	0	0	0	5	0	5
18	0	0	0	0	5	0	4
19	1	0	0	0	4	0	5
20	0	0	0	0	5	0	4
21	0	0	0	4	5	3	5
22	0	0	0	4	5	2	5
23	0	0	0	4	5	6	5
24	0	0	0	4	5	4	5
25	0	0	0	5	7	2	2
26	0	0	0	5	7	2	2
27	0	0	0	5	7	2	2
28	0	0	0	5	7	2	3
29	0	0	0	5	7	3	3
30	0	0	0	5	6	2	5
31	0	0	0	-	6	4	-
S. F.	115	0	0	46	175	58	118
Mean	4	0	0	2	6	2	4
Max.	8	0	0	5	7	7	6
Min.	0	0	0	0	4	0	2
A. F.	230	0	0	90	350	120	230

NORTH LOUP PUBLIC POWER AND IRRIGATION DISTRICT
 ORD-NORTH LOUP CANAL - SPILLS
 Diverted from North Loup River--Sec. 22-19-44

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	7	0	0	0	7	7	2
2	7	0	4	0	7	5	6
3	9	0	3	0	7	0	7
4	6	0	4	0	8	2	6
5	7	0	9	0	7	5	6
6	5	0	5	0	7	2	5
7	6	0	5	0	5	6	6
8	6	0	2	0	4	7	6
9	7	0	1	0	1	7	7
10	6	0	2	0	2	7	7
11	6	0	2	0	5	5	9
12	7	0	3	0	5	5	10
13	6	0	3	0	3	4	10
14	5	0	7	0	3	3	6
15	5	0	7	0	6	2	5
16	6	0	8	0	8	2	4
17	6	0	8	0	2	5	5
18	6	0	7	0	1	4	11
19	5	0	7	0	1	9	8
20	5	0	7	5	1	10	7
21	5	0	8	1	0	10	7
22	0	0	6	4	1	8	7
23	0	0	6	5	6	9	6
24	0	0	3	6	4	8	6
25	0	0	4	6	5	8	6
26	0	0	4	6	5	8	6
27	0	0	8	6	8	6	7
28	0	0	0	5	11	6	7
29	0	0	0	3	7	5	7
30	0	0	0	7	6	5	6
31	0	0	0	0	7	5	6
S. F.	128	0	130	53	150	169	198
Mean	4	0	4	2	5	5	7
Max.	9	0	9	7	11	10	11
Min.	0	0	0	0	0	0	2
A. F.	250	0	260	110	300	340	390

PREVIOUSLY UNPUBLISHED DATA

DISCHARGE IN SECOND-FOOT OF CEDAR CREEK NEAR BROADWATER
 Sec. 11-18-48 W.==Water Year Ending September 30, 1963

Date	May	June	July	Aug.	Sept.
1	9	18	2	2	4
2	9	17	1	2	10
3	9	12	5	2	7
4	9	10	4	2	8
5	25	8	2	3	8
6	21	4	2	3	8
7	28	33	2	2	8
8	26	23	2	2	7
9	11	21	2	2	7
10	9	24	2	2	7
11	10	21	1	2	5
12	10	25	2	2	3
13	9	23	2	2	2
14	13	20	2	2	2
15	10	23	3	2	1
16	4	24	3	2	3
17	8	11	2	2	2
18	7	9	2	2	2
19	9	19	2	3	2
20	10	15	2	3	3
21	6	24	2	3	3
22	17	21	2	3	23
23	15	17	2	2	20
24	6	16	2	2	24
25	4	12	2	2	13
26	7	10	1	2	12
27	4	9	2	4	10
28	5	10	2	2	10
29	13	9	2	3	10
30	11	7	1	4	10
31	19	-	2	3	-
Mean	11	16	2	2	8
Max.	28	33	5	4	24
Min.	4	4	1	2	1
A.F.	700	980	130	150	460

DISCHARGE IN SECOND-FOOT OF CEDAR CREEK NEAR BROADWATER
 Sec. 11-18-48 W.==Water Year Ending September 30, 1964

Date	May	June	July	Aug.	Sept.
1	10	5	2	1	3
2	10	5	2	1	3
3	10	5	2	2	3
4	10	5	2	2	3
5	10	4	1	1	3
6	10	11	3	1	3
7	10	11	3	2	5
8	10	22	3	2	3
9	10	15	3	2	3
10	10	22	3	2	5
11	10	20	3	2	5
12	10	20	3	2	6
13	20	18	2	3	6
14	22	14	2	3	4
15	22	17	2	3	4
16	18	15	2	3	6
17	18	15	2	3	6
18	13	15	2	3	6
19	12	14	2	2	4
20	20	9	2	2	4
21	17	9	2	2	5
22	3	27	2	8	5
23	2	22	2	8	4
24	1	8	2	3	5
25	3	6	2	3	10
26	3	8	2	3	10
27	3	7	2	3	13
28	3	6	2	3	14
29	4	3	2	3	9
30	3	2	2	3	10
31	5	-	2	3	-
Mean	10	12	2	3	6
Max.	22	27	3	8	14
Min.	1	2	1	1	3
A.F.	520	710	130	170	340

PREVIOUSLY UNPUBLISHED DATA

DISCHARGE IN SECOND-FEET OF COLD WATER CREEK NEAR LISCO
Sec. 34-18-46 W.--Water Year Ending September 30, 1958

Date	May	June	July	Aug.	Sept.
1	3	5	2	0	4
2	3	5	2	0	4
3	4	5	4	0	4
4	7	4	3	0	4
5	8	5	2	0	4
6	9	4	2	0	4
7	4	4	2	0	4
8	3	4	2	0	4
9	3	4	4	0	4
10	3	4	3	0	3
11	4	4	3	0	3
12	4	4	3	0	3
13	3	4	3	0	3
14	5	4	3	0	3
15	4	4	3	0	3
16	4	6	4	0	3
17	4	4	3	0	3
18	4	4	3	0	3
19	4	4	4	0	3
20	4	4	3	0	3
21	4	4	3	0	3
22	6	4	3	0	3
23	5	4	3	0	3
24	5	4	3	0	3
25	5	3	3	0	3
26	4	3	3	4	3
27	5	3	3	4	3
28	4	3	3	4	3
29	4	3	3	4	3
30	4	2	2	4	3
31	5	-	0	4	-
Mean	5	4	3	2	3
Max.	9	5	4	4	4
Min.	3	2	0	0	3
A.P.	280	230	170	130	200

db
12-23-58

DISCHARGE IN SECOND-FEET OF COLD WATER CREEK NEAR LISCO
Sec. 34-18-46 W.--Water Year Ending September 30, 1959

Date	May	June	July	Aug.	Sept.
1	5	3	3	0	0
2	4	3	4	0	0
3	4	3	4	0	0
4	4	3	4	0	0
5	5	3	4	0	0
6	4	3	4	0	0
7	6	3	4	0	0
8	4	3	4	0	0
9	4	3	4	0	0
10	4	3	3	0	0
11	4	3	3	0	0
12	3	3	3	0	0
13	4	3	3	0	0
14	3	3	3	0	0
15	3	3	3	0	0
16	3	3	3	0	0
17	3	3	3	0	0
18	3	3	3	0	0
19	3	3	3	0	0
20	4	3	0	0	0
21	3	3	0	0	0
22	3	3	0	1	0
23	3	3	0	1	0
24	3	3	0	1	0
25	3	3	0	1	0
26	2	3	0	1	0
27	3	3	0	1	0
28	3	4	0	0	0
29	3	3	0	0	0
30	3	3	0	0	0
31	3	-	0	0	-
Mean	4	3	2	0	0
Max.	6	4	4	1	0
Min.	2	3	0	0	0
A.P.	220	180	130	10	0

db
3-28-60

PREVIOUSLY UNPUBLISHED DATA

DISCHARGE IN SECOND-FEET OF ELK CREEK
Sec. 33-6-18 W.--Water Year Ending September 30, 1961

Date	May	June	July	Aug.	Sept.
1	0	0	7	5	0
2	0	0	11	11	0
3	0	5	7	21	3
4	0	1	5	0	9
5	0	0	12	10	11
6	0	2	14	0	11
7	0	0	12	0	6
8	0	49	12	9	17
9	0	16	7	2	5
10	0	9	11	2	7
11	0	9	12	74	14
12	0	0	10	64	17
13	0	0	7	31	16
14	0	0	1	32	11
15	0	16	0	14	0
16	0	18	0	4	1
17	0	14	0	26	14
18	0	12	0	18	9
19	0	11	0	78	14
20	0	9	0	39	10
21	3	9	0	27	8
22	59	9	0	16	8
23	34	10	0	7	15
24	18	3	8	5	1
25	0	3	5	11	0
26	0	0	1	14	0
27	0	0	8	13	0
28	0	0	1	12	0
29	0	0	33	11	0
30	0	0	6	11	0
31	0	-	45	3	-
Mean	4	7	8	17	7
Max.	59	48	45	74	16
Min.	0	0	0	0	0
A.F.	230	400	470	1040	400

DISCHARGE IN SECOND FEET OF ELK CREEK
Near ELK CREEK--Sec. 33-6-18 W.
Water Year Ending September 30, 1961

Date	May	June	July	Aug.	Sept.
1	0	1	1	1	6
2	0	1	0	1	6
3	0	5	2	1	6
4	0	8	2	0	6
5	0	3	1	0	3
6	0	7	1	0	6
7	0	6	1	0	5
8	0	6	2	0	4
9	0	7	1	1	3
10	0	7	0	1	2
11	0	7	0	1	2
12	0	7	0	1	1
13	0	5	0	1	1
14	0	2	0	0	1
15	0	2	0	1	0
16	0	1	0	2	0
17	0	1	0	2	0
18	0	0	0	2	0
19	0	2	1	4	0
20	3	1	1	4	0
21	2	2	1	4	0
22	3	2	1	4	0
23	4	2	1	3	0
24	5	3	1	4	0
25	5	3	0	4	0
26	5	2	1	3	0
27	5	2	0	5	0
28	5	3	1	4	0
29	4	1	1	4	0
30	2	0	1	4	0
31	1	-	1	5	-
Mean	1	3	1	2	2
Max.	5	3	2	5	6
Min.	0	0	0	0	0
A.F.	90	200	40	130	100

db
11-14-61

PREVIOUSLY UNPUBLISHED DATA

DISCHARGE IN SECOND FEET OF SLM CREEK
NEAR ELM CREEK--Sec. 33-9-18 4.
Water Year Ending September 30, 1964

Date	May	June	July	Aug.	Sept.
1	0	0	2	0	6
2	0	0	4	2	6
3	0	0	3	3	6
4	0	0	3	3	6
5	0	0	3	1	6
6	0	0	3	1	6
7	0	0	4	1	2
8	0	0	4	1	1
9	0	0	7	1	0
10	0	0	19	0	0
11	0	0	11	1	0
12	0	0	9	2	0
13	0	0	24	1	0
14	0	0	11	2	0
15	0	0	3	1	1
16	0	0	8	1	3
17	0	0	10	7	2
18	0	0	9	33	3
19	0	0	9	5	3
20	0	2	6	2	1
21	0	2	4	11	2
22	0	2	7	11	3
23	0	3	4	10	3
24	0	3	3	10	4
25	0	5	4	9	6
26	0	3	3	7	6
27	0	7	1	2	6
28	0	7	0	4	7
29	0	7	3	5	6
30	0	7	1	5	6
31	0	-	1	10	-
Mean	0	2	6	5	3
Max.	0	7	24	33	7
Min.	0	0	0	0	0
A.F.	0	100	370	300	200

*DISCHARGE IN SECOND FEET OF PLATTE RIVER PASSING
TRI-COUNTY DIVERSION DAM--Sec. 10-17-29 W.
Water Year Ending September 30, 1962

Date	May	June	July	Aug.	Sept.
1	40	54	70	141	164
2	49	60	72	121	131
3	43	68	70	102	123
4	42	54	68	109	125
5	45	87	68	72	89
6	45	83	90	75	74
7	51	258	72	99	105
8	91	324	54	84	74
9	60	135	50	75	64
10	37	34	94	116	63
11	120	56	94	90	106
12	74	45	142	94	79
13	57	69	151	144	69
14	30	70	456	252	95
15	156	101	743	383	64
16	221	64	182	419	79
17	747	45	113	516	71
18	1720	49	46	382	107
19	1330	72	28	355	74
20	684	52	88	457	57
21	87	50	65	412	82
22	121	90	51	342	61
23	57	52	60	304	50
24	57	47	110	363	47
25	61	54	53	254	78
26	57	85	45	295	62
27	64	55	85	282	50
28	147	57	56	359	77
29	744	90	51	295	63
30	81	69	106	261	51
31	23	--	162	318	--
Mean	224	32	116	244	82
Max.	1730	324	743	516	164
Min.	22	34	28	72	47
A.F.	13770	4820	7180	15020	4870

*Note: Daily discharges are net flow (flow in Platte River + Flock Drain + Fremont Slough - White Horse Creek:)

PREVIOUSLY UNPUBLISHED DATA

DISCHARGE IN SECOND FEET OF PLATTE RIVER PASSING
TRI-COUNTY DIVERSION DAM--Sec. 10-13-29 W.
Water Year Ending September 30, 1967

Date	May	June	July	Aug.	Sept.
1	39	112	2534	616	432
2	43	64	2534	601	395
3	43	65	2716	631	362
4	47	80	2748	611	301
5	50	77	2770	662	233
6	48	74	2803	873	181
7	66	128	2540	887	130
8	40	120	3707	873	98
9	48	100	3451	874	91
10	42	99	2965	913	84
11	42	85	2390	963	100
12	44	72	1838	822	76
13	43	84	1608	835	73
14	42	69	1532	913	75
15	42	99	1449	965	73
16	41	83	1232	1105	74
17	41	52	1264	1049	70
18	43	98	1190	1008	70
19	47	64	871	875	72
20	46	65	817	760	69
21	43	167	670	782	68
22	47	418	516	793	64
23	46	294	543	804	62
24	44	448	757	770	60
25	45	772	859	696	60
26	47	983	990	728	62
27	47	1012	1192	782	62
28	52	1473	1117	705	64
29	54	2078	1162	621	65
30	51	2228	1118	615	65
31	60	----	872	574	--
Mean	46	385	1702	797	123
Max.	66	2228	3707	1105	432
Min.	39	52	516	574	60
A.F.	2840	22930	104640	49010	7320
Total May-September	166740 A.F.				

DISCHARGE IN SECOND FEET OF PLATTE RIVER PASSING
TRI-COUNTY DIVERSION DAM--Sec. 10-13-29 W.
Water Year Ending September 30, 1968

Date	May	June	July	Aug.	Sept.
1	41	50	46	1180	364
2	41	50	48	1040	339
3	55	45	91	1040	297
4	61	43	209	1040	223
5	63	41	184	1070	160
6	76	40	345	1030	119
7	76	40	412	1070	88
8	70	40	419	1030	76
9	68	40	440	146	81
10	66	38	512	530	79
11	64	37	764	797	81
12	64	36	934	1070	86
13	63	37	908	1800	146
14	61	52	960	688	139
15	61	34	1300	200	132
16	63	36	1560	125	135
17	63	37	1450	96	132
18	57	37	1440	128	142
19	55	36	1640	2390	142
20	57	45	1660	1930	119
21	55	88	1660	370	79
22	57	128	1660	204	79
23	59	192	1700	456	76
24	63	556	1580	333	81
25	63	764	1600	456	84
26	66	908	1510	636	76
27	66	398	1740	668	79
28	63	72	1890	908	81
29	57	64	1700	1070	86
30	55	52	1360	1000	86
31	53	--	1200	678	--
Mean	61	135	1062	812	130
Max.	76	908	1890	2390	364
Min.	41	34	46	96	76
A.F.	3730	8010	65300	49940	7710
Total May-September	134690 A.F.				

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