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STATE OF NEBRASKA

**DEPARTMENT OF WATER RESOURCES**

HYDROGRAPHIC REPORT

1979

**STATE OF NEBRASKA  
DEPARTMENT OF WATER RESOURCES**

**STORAGE IN RESERVOIRS**

**DAILY DISCHARGE RECORDS OF MISCELLANEOUS  
STREAMS AND CANAL DIVERSIONS**

**1979**

**Prepared Under the Direction of John W. Neuberger  
Director of Water Resources**

**RECEIVED**

**JUL 08 1980**

**NEBRASKA NATURAL  
RESOURCES COMMISSION**

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## HYDROGRAPHIC REPORT 1979

### 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 first opened in the spring until they are closed in the fall. The canals are dry during the time for which no records 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 intended 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 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.

### CHANGES IN THE DATA PRESENTATION FORMAT FOR THE 1979 REPORT

Beginning with the current Hydrographic Report, all discharge and storage data will be listed in downstream order. This change will permit the report to be more easily used in conjunction with other Nebraska water data publications which currently use the downstream order data arrangement. The new data format replaces the alphabetical order system that was used in the past. In addition to the format change, all daily data on streams and canals have been combined with the reservoir storage information to produce a single section which is subdivided according to drainage basins. The sections containing miscellaneous streamflow and pump data will continue to be presented separately, but will be listed in downstream, rather than alphabetical order.

In order to enable the reader to rapidly find water data in this publication, an index has been provided. All reservoir data, and streams and canals measured on a daily basis, are listed in alphabetical order with a corresponding page number in the index. Basins and sub-basins will also be listed in the index so that the reader will be able to locate miscellaneous stream and canal measurements with a minimum of effort.

Mark E. Nelson

**STORAGE IN RESERVOIRS**

**AND**

**DAILY DISCHARGE OF RIVERS, STREAMS AND CANALS**

**NOT PUBLISHED BY THE U.S. GEOLOGICAL SURVEY**

**1979**

## 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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 16, 1978	3400	30
Nov. 6, 1978	3880	480
Nov. 30, 1978	4720	840
Jan. 30, 1979	7070	2350
Mar. 15, 1979	9170	2100
Mar. 28, 1979	9800	630
Apr. 9, 1979	10430	630
Apr. 26, 1979	10520	90
June 1, 1979	10430	-90
June 13, 1979	8830	-1600
June 27, 1979	7980	-850
Aug. 6, 1979	4540	-3440
Change in Storage since September 21, 1978		1170

## NIOBRARA RIVER BASIN

## DAILY DIVERSIONS OF CANALS--1979

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	0.1	0	0	0
2	0	0.1	0	0	0
3	0	0.1	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0.1	0	0	0
8	0	0.2	0	0	0
9	0	0.2	0	0	0
10	0	0.1	0	0	0
11	0	0	0	0	0
12	0	0.2	0	0	0
13	0	0.2	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0.1	0	0	0
17	0	0.1	0	0	0
18	0	0	0	0	0
19	0	0.1	0	0	0
20	0	0.1	0	0	0
21	0	0.1	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	0.1	0	0	0	0
29	0	0	0	0	0
30	0.1	0	0	0	0
31	0.1	-	0	0	-
S.F.	0.3	1.8	0	0	0
Mean	0	0.1	0	0	0
Max.	0.1	0.2	0	0	0
Min.	0	0	0	0	0
A.F.	1	4	0	0	0

Water pumped 5 A.F.  
Acreage reported D-510R-84

## DAILY DIVERSIONS OF CANALS--1979

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 Hwy 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	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	1	0	0	0	0
17	2	0	0	0	0
18	2	0	0	0	0
19	2	0	0	0	0
20	1	0	0	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	0	0	0	0
26	1	0	0	0	0
27	1	0	0	0	0
28	1	0	0	0	0
29	1	0	0	0	0
30	1	0	0	0	0
31	1	-	0	0	-
S.F.	19	0	0	0	0
Mean	1	0	0	0	0
Max.	2	0	0	0	0
Min.	0	0	0	0	0
A.F.	40	0	0	0	0

Water diverted 40 A.F.  
Acreage reported D-511R-146



## NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
LAKOTA 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,  $\frac{3}{4}$  miles west  
on county road, 1 mile south on trail road

Date	May	June	July	Aug.	Sept.
1	0	3	2	2	2
2	0	3	2	2	2
3	0	3	1	2	2
4	0	3	2	1	2
5	0	3	2	1	2
6	0	3	2	1	2
7	0	3	2	1	2
8	0	3	2	1	2
9	0	4	2	1	2
10	0	4	1	1	2
11	0	3	1	1	2
12	0	3	1	1	2
13	0	2	1	1	2
14	0	2	1	1	1
15	3	2	1	2	0
16	4	2	1	2	0
17	2	2	1	2	0
18	2	2	1	2	0
19	1	2	2	2	0
20	1	2	1	2	0
21	2	2	1	2	0
22	2	2	1	2	0
23	2	2	1	2	0
24	2	2	1	2	0
25	2	2	1	3	0
26	2	2	1	2	0
27	2	2	2	2	0
28	2	2	2	2	0
29	2	2	1	2	0
30	3	2	1	2	0
31	3	-	2	2	-
S.F.	37	74	43	52	27
Mean	1	2	1	2	1
Max.	4	4	2	3	2
Min.	0	2	1	1	0
A.F.	70	150	90	100	50

Water diverted 460 A.F.  
Acreage reported D-554-410

DAILY DIVERSIONS OF CANALS--1979  
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,  $\frac{6}{8}$  miles  
south on county road,  $\frac{3}{4}$  mile south on trail road,  
on north and south river banks

Date	May	June	July	Aug.	Sept.
1	0	2	2	1	0
2	0	2	2	1	0
3	0	2	2	1	0
4	0	2	2	0	0
5	0	2	3	0	0
6	0	2	3	0	0
7	0	2	3	0	0
8	0	1	3	0	0
9	0	1	2	0	0
10	0	1	2	1	0
11	0	2	2	1	0
12	0	1	1	1	0
13	0	1	0	1	0
14	0	1	0	1	0
15	4	1	0	1	0
16	6	1	0	1	0
17	3	1	0	1	0
18	3	1	0	1	0
19	3	1	1	2	0
20	3	1	1	2	0
21	3	1	1	2	0
22	3	1	0	2	0
23	3	1	0	0	0
24	3	2	0	0	0
25	3	1	0	0	0
26	3	2	0	0	0
27	2	2	0	0	0
28	2	2	0	0	0
29	2	2	1	0	0
30	2	2	1	0	0
31	2	-	1	0	-
S.F.	50	44	33	20	0
Mean	2	1	1	1	0
Max.	6	2	3	2	0
Min.	0	1	0	0	0
A.F.	100	90	70	40	0

Water diverted 300 A.F.  
Acreage reported D-514a-189; D-514b-120;  
A-1362-102; Total-411

DAILY DIVERSIONS OF CANALS--1979  
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	2	0	0	0
2	0	2	0	0	0
3	0	2	1	1	0
4	0	2	2	2	0
5	0	3	2	2	0
6	0	3	2	2	0
7	0	3	2	2	0
8	0	3	2	2	0
9	0	3	2	2	0
10	0	3	2	2	0
11	0	4	2	2	0
12	0	4	2	2	0
13	0	4	2	1	0
14	0	4	1	0	0
15	0	4	1	0	0
16	0	4	0	0	0
17	0	4	0	0	0
18	0	4	0	0	0
19	0	4	0	0	0
20	0	2	0	0	0
21	0	1	0	0	0
22	0	1	0	0	0
23	0	1	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	1	0	0	0	0
28	1	0	0	0	0
29	1	0	0	0	0
30	1	0	0	0	0
31	1	-	0	0	-
S.F.	5	67	23	20	0
Mean	0	2	1	1	0
Max.	1	4	2	2	0
Min.	0	0	0	0	0
A.F.	10	130	50	40	0

Water diverted 230 A.F.  
Acreage reported D-513aR-575; D-513b-120;  
Total-695

DAILY DIVERSIONS OF CANALS--1979  
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.  $\frac{3}{8}$  miles east on county road,  $\frac{1}{8}$  mile  
south on trail road, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	1	12	0	12
2	0	3	12	0	11
3	0	5	11	0	11
4	0	6	11	0	10
5	0	7	11	0	10
6	0	6	12	2	9
7	0	9	10	4	9
8	0	11	8	4	9
9	0	13	8	7	8
10	0	13	7	6	0
11	0	12	7	6	0
12	0	0	7	6	0
13	0	4	7	5	0
14	0	8	7	5	0
15	0	7	7	6	0
16	0	7	7	6	0
17	0	8	6	7	0
18	0	9	7	8	0
19	0	8	7	9	0
20	0	9	7	9	0
21	0	9	8	9	0
22	0	10	8	9	0
23	0	11	8	9	0
24	0	10	8	10	0
25	0	11	9	11	0
26	0	15	9	13	0
27	0	13	10	13	0
28	0	12	6	13	0
29	0	12	0	12	0
30	0	12	0	13	0
31	0	-	0	12	-
S.F.	0	261	237	214	89
Mean	0	9	8	7	3
Max.	0	15	12	13	12
Min.	0	0	0	0	0
A.F.	0	520	470	420	180

Water diverted 1590 A.F.  
Acreage reported D-517-600; A-2275-509;  
Total-1109

## NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 METTLEN CANAL from Niobrara River--Measured  
 through rating flume--NE $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 4-28-54 W.  
 Nr. Agate. 8  $\frac{3}{4}$  miles east on county road,  
 1/2 mile south, 1/2 mile west along river,  
 on south river bank

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	4	0	0	0
6	0	3	0	0	0
7	0	4	0	0	0
8	0	4	0	0	0
9	0	4	0	0	0
10	0	4	0	0	0
11	0	4	0	0	0
12	0	4	0	0	0
13	0	6	0	0	0
14	0	5	0	0	0
15	0	2	0	0	0
16	0	4	0	0	0
17	0	4	0	0	0
18	0	4	0	0	0
19	0	4	0	0	0
20	0	3	0	0	0
21	1	4	0	0	0
22	1	5	0	0	0
23	1	5	0	0	0
24	1	5	0	0	0
25	1	6	0	0	0
26	2	5	0	0	0
27	2	5	0	0	0
28	2	5	0	0	0
29	2	5	0	0	0
30	2	2	0	0	0
31	2	-	0	0	-
S.F.	17	122	0	0	0
Mean	1	4	0	0	0
Max.	2	6	0	0	0
Min.	0	2	0	0	0
A.F.	30	240	0	0	0

Water diverted 270 A.F.  
 Acreage reported A-292-342; A-1248-53;  
 A-2244-80; Total-475

DAILY DIVERSIONS OF CANALS--1979  
 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

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	1	0	0	0
6	0	1	0	0	0
7	0	1	0	0	0
8	0	1	0	0	0
9	0	1	0	0	0
10	0	1	0	0	0
11	0	1	0	0	0
12	0	1	0	0	0
13	0	1	0	0	0
14	0	1	0	0	0
15	0	1	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	11	0	0	0
Mean	0	0	0	0	0
Max.	0	1	0	0	0
Min.	0	0	0	0	0
A.F.	0	20	0	0	0

Water pumped 20 A.F.  
 Acreage reported A-10870-41

DAILY DIVERSIONS OF CANALS--1979  
 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	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	1	0	0	0
6	0	3	0	0	0
7	0	3	0	0	0
8	0	3	0	0	0
9	0	3	0	0	0
10	0	3	0	0	0
11	0	3	0	0	0
12	0	3	0	0	0
13	0	3	0	0	0
14	0	3	0	0	0
15	0	3	0	0	0
16	0	3	0	0	0
17	0	3	0	0	0
18	0	3	0	0	0
19	0	3	0	0	0
20	0	3	0	0	0
21	0	3	0	0	0
22	0	3	0	0	0
23	0	3	0	0	0
24	0	2	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	57	0	0	0
Mean	0	2	0	0	0
Max.	0	3	0	0	0
Min.	0	0	0	0	0
A.F.	0	110	0	0	0

Water diverted 110 A.F.  
 Acreage reported A-1249-241

DAILY DIVERSIONS OF CANALS--1979  
 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	3	0	0	4
2	0	3	0	0	4
3	0	3	0	0	4
4	0	3	4	0	4
5	0	3	5	1	4
6	0	5	5	4	3
7	0	5	5	4	0
8	0	5	5	4	0
9	0	5	5	4	0
10	0	5	5	4	0
11	0	5	5	4	0
12	0	4	4	4	0
13	0	4	4	4	0
14	0	4	4	4	0
15	0	4	4	4	0
16	0	5	3	4	0
17	0	5	3	4	0
18	0	4	4	5	0
19	0	5	4	3	0
20	0	4	3	0	0
21	0	4	3	0	0
22	0	4	3	0	0
23	0	3	4	1	0
24	0	1	4	5	0
25	0	0	4	5	0
26	1	0	0	5	0
27	1	0	0	5	0
28	1	0	0	5	0
29	2	0	0	5	0
30	2	0	0	4	0
31	2	-	0	4	-
S.F.	9	96	90	93	23
Mean	0	3	3	3	1
Max.	2	5	5	5	4
Min.	0	0	0	0	0
A.F.	20	190	180	180	50

Water diverted 620 A.F.  
 Acreage reported A-88-400

## NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 GEO HITSHEW CANAL from Niobrara River  
 Measured through rating flume--SE $\frac{1}{2}$ SE $\frac{1}{2}$  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

Date	May	June	July	Aug.	Sept.
1	6	5	0	0	0
2	6	5	0	0	0
3	7	5	0	0	0
4	7	5	0	0	0
5	7	5	0	0	0
6	8	4	0	0	0
7	8	4	0	0	0
8	8	4	0	0	0
9	8	4	0	0	0
10	8	4	0	0	0
11	7	4	0	0	0
12	7	4	0	0	0
13	7	4	0	0	0
14	7	4	0	0	0
15	7	4	0	0	0
16	7	4	0	0	0
17	7	4	0	0	0
18	7	4	0	0	0
19	7	2	0	0	0
20	6	1	0	0	0
21	6	1	0	0	0
22	6	1	0	0	0
23	6	1	0	0	0
24	6	1	0	0	0
25	6	1	0	0	0
26	6	1	0	0	0
27	5	1	0	0	0
28	5	1	0	0	0
29	5	1	0	0	0
30	5	1	0	0	0
31	5	-	0	0	-
S.F.	203	90	0	0	0
Mean	7	3	0	0	0
Max.	8	5	0	0	0
Min.	5	1	0	0	0
A.F.	400	180	0*	0	0

Water diverted 580 A.F.  
 Acreage reported A-1260-186

DAILY DIVERSIONS OF CANALS--1979  
 HITSHEW PUMP NO. 2 from Niobrara River  
 SE $\frac{1}{2}$ SE $\frac{1}{2}$  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	1	0	0	0	0
9	1	0	0	0	0
10	1	0	0	0	0
11	1	0	0	0	0
12	1	0	0	0	0
13	1	0	0	0	0
14	1	0	0	0	0
15	1	0	0	0	0
16	1	0	0	0	0
17	1	0	0	0	0
18	1	0	0	0	0
19	1	0	0	0	0
20	1	0	0	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	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.	17	0	0	0	0
Mean	1	0	0	0	0
Max.	1	0	0	0	0
Min.	0	0	0	0	0
A.F.	30	0	0	0	0

Water pumped 30 A.F.  
 Acreage reported A-4862-42

DAILY DIVERSIONS OF CANALS--1979  
 McLAUGHLIN CANAL from Niobrara River--Measured  
 through rating flume--SW $\frac{1}{2}$ SE $\frac{1}{2}$  Sec. 9-28-52 W.  
 Nr. Marsland. 3 3/4 miles west from Hiway 2 and  
 river road junction, 1 mile south, 1 $\frac{1}{2}$  mile south-  
 west, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	0	6	0	0
2	0	0	6	0	0
3	0	0	6	0	0
4	0	0	6	0	0
5	0	0	6	0	0
6	0	0	6	0	0
7	0	0	5	0	0
8	0	2	5	0	0
9	0	4	5	0	0
10	0	3	4	0	0
11	0	3	4	0	0
12	0	2	4	0	0
13	0	2	3	0	0
14	0	2	3	0	0
15	0	2	3	0	0
16	0	4	3	0	0
17	0	4	3	0	0
18	0	4	3	0	0
19	0	4	4	0	0
20	0	4	3	0	0
21	0	4	0	0	0
22	0	4	0	0	0
23	0	4	0	0	0
24	0	6	0	0	0
25	0	6	0	0	0
26	0	6	0	0	0
27	0	6	0	0	0
28	0	7	0	0	0
29	0	6	0	0	0
30	0	6	0	0	0
31	0	-	0	0	-
S.F.	0	95	88	0	0
Mean	0	3	3	0	0
Max.	0	7	6	0	0
Min.	0	0	0	0	0
A.F.	0	190	170	0	0

Water diverted 360 A.F.  
 Acreage reported D-566-500

DAILY DIVERSIONS OF CANALS--1979  
 EXCELSIOR CANAL from Niobrara River--Measured  
 through rating flume--NE $\frac{1}{2}$ NE $\frac{1}{2}$  Sec. 10-28-52 W.  
 Nr. Marsland. 3 3/4 miles west from Hiway 2  
 and river road junction, 1 $\frac{1}{2}$  mile south,  $\frac{1}{2}$  mile  
 southeast, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	2	1	0	0
2	0	1	1	0	0
3	0	1	1	0	0
4	0	1	1	0	0
5	0	1	1	0	0
6	0	1	1	0	0
7	0	1	1	0	0
8	0	1	1	0	0
9	0	1	1	0	0
10	0	1	1	0	0
11	0	1	1	0	0
12	0	1	1	0	0
13	0	1	1	0	0
14	4	0	1	0	0
15	4	0	1	0	0
16	4	1	1	0	0
17	4	1	1	0	0
18	4	1	2	0	0
19	4	1	2	0	0
20	4	1	2	0	0
21	3	2	2	0	0
22	3	1	2	0	0
23	3	1	1	0	0
24	3	2	0	0	0
25	3	2	0	0	0
26	3	2	0	0	0
27	2	2	0	0	0
28	2	2	0	0	0
29	2	2	0	0	0
30	2	1	0	0	0
31	2	-	0	0	-
S.F.	56	36	28	0	0
Mean	2	1	1	0	0
Max.	4	2	2	0	0
Min.	0	0	0	0	0
A.F.	110	70	60	0	0

Water diverted 240 A.F.  
 Acreage reported D-568-200; A-2264-134;  
 Total-334

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 HUGHES CANAL from Niobrara River  
 Measured through rating flume--SE $\frac{1}{2}$ SE $\frac{1}{2}$  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	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	1
4	0	0	0	0	2
5	0	0	0	0	2
6	0	0	0	0	2
7	0	0	0	0	2
8	0	0	0	0	3
9	0	1	0	0	3
10	0	1	0	0	3
11	0	1	0	0	3
12	0	1	0	0	3
13	0	1	0	0	0
14	0	1	0	0	0
15	0	1	0	0	0
16	0	1	0	0	0
17	0	1	0	0	0
18	0	1	0	0	0
19	0	1	1	0	0
20	0	0	1	0	0
21	0	0	2	0	0
22	0	0	2	0	0
23	0	0	2	0	0
24	0	0	2	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	11	10	0	24
Mean	0	0	0	0	1
Max.	0	1	2	0	3
Min.	0	0	0	0	0
A.F.	0	20	20	0	50

Water diverted 90 A.F.  
 Acreage reported D-987a-20; D-987b-20;  
 Total-40

DAILY DIVERSIONS OF CANALS--1979  
 PIONEER CANAL from Niobrara River--Measured  
 through rating flume--NE $\frac{1}{2}$ NE $\frac{1}{2}$  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	5	5	0	0
2	0	5	6	0	0
3	0	5	5	0	5
4	0	5	6	0	5
5	0	5	6	0	5
6	0	5	6	0	5
7	5	5	6	0	5
8	3	5	6	0	6
9	0	5	5	0	6
10	0	6	5	0	4
11	0	5	2	0	0
12	0	5	0	0	0
13	0	2	0	0	0
14	0	0	0	0	0
15	0	0	0	4	0
16	0	0	0	5	0
17	0	0	0	5	0
18	0	0	0	4	0
19	0	0	0	3	0
20	5	0	0	3	0
21	5	0	0	4	0
22	5	0	0	9	0
23	5	0	0	9	0
24	5	2	0	9	0
25	5	4	0	9	0
26	5	4	0	5	0
27	5	4	0	0	0
28	5	5	0	0	0
29	5	5	0	0	0
30	5	5	0	0	0
31	5	-	0	0	-
S.F.	73	92	58	69	41
Mean	2	3	2	2	1
Max.	8	6	6	9	6
Min.	0	0	0	0	0
A.F.	140	180	120	140	80

Water diverted 660 A.F.  
 Acreage reported D-442a-604; A-3812-55;  
 A-4599-15; A-5010-75; Total-749

DAILY DIVERSIONS OF CANALS--1979  
 CIRCLE PUMP from Niobrara River  
 Mobile--NE $\frac{1}{2}$ SW $\frac{1}{2}$  Sec. 5-28-51 W.  
 Nr. Marsland. 1 mile south and east  
 on south river bank

Date	May	June	July	Aug.	Sept.
1	0.3	0.2	0.8	0	0
2	0.3	0.3	0.8	0	0
3	0.3	0.2	0.8	0	0
4	0.3	0.4	0.8	0	0
5	0.4	0.4	0.8	0	0
6	0.4	0.6	0.8	0	0
7	0.6	0.6	0.8	0	0
8	0.6	0.6	0.8	0	0
9	0.4	0.6	0.8	0	0
10	0.3	0	0.8	0	0
11	0	0.8	0.8	0	0
12	0	0.8	0.8	0	0
13	0	0.8	0.8	0	0
14	0.8	0.4	0.8	0	0
15	0.8	0.4	0.8	0	0
16	0.8	0.4	0	0	0
17	0.8	0.8	0	0	0
18	0.8	0.8	0	0	0
19	0.3	0.8	0	0	0
20	0.6	0.8	0	0	0
21	0.4	0.4	0	0	0
22	0.4	0	0	0	0
23	0	0.8	0	0	0
24	0.8	0.8	0	0	0
25	0.8	0.8	0	0	0
26	0.8	0.8	0	0	0
27	0.8	0.4	0	0	0
28	0.8	0.4	0	0	0
29	0	0.8	0	0	0
30	0.3	0.8	0	0	0
31	0.6	---	0	0	-
S.F.	14.5	16.7	12.0	0	0
Mean	0.5	0.6	0.4	0	0
Max.	0.8	0.8	0.8	0	0
Min.	0	0	0	0	0
A.F.	30	30	20	0	0

Water pumped 80 A.F.  
 Acreage reported A-4758-373

DAILY DIVERSIONS OF CANALS--1979  
 MONTAGUE CANAL from Niobrara River--Measured  
 through rating flume--SW $\frac{1}{2}$ NW $\frac{1}{2}$  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	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	1	0	0	0
10	0	1	0	0	0
11	0	1	0	0	0
12	0	1	0	0	0
13	0	1	0	0	0
14	0	1	0	0	0
15	0	1	0	0	0
16	0	0	1	0	0
17	0	0	1	0	0
18	0	0	1	0	0
19	0	0	1	0	0
20	0	0	1	0	0
21	0	0	0	0	0
22	0	0	1	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	6	0	0
Mean	0	0	0	0	0
Max.	0	1	1	0	0
Min.	0	0	0	0	0
A.F.	0	10	10	0	0

Water diverted 20 A.F.  
 Acreage reported A-575-32; A-607R-21;  
 A-2754-22; A-3923-42; Total-117

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 MONTAGUE PUMP from Niobrara River--Measured  
 SE $\frac{1}{4}$ N $\frac{1}{2}$ E $\frac{1}{4}$  Sec. 28-29-48 W.  
 Nr. Dunlap. 1 mile east on north river bank

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

Water pumped 140 A.F.  
 Acreage reported A-2266-82; A-10716-36;  
 Total-118

DAILY DIVERSIONS OF CANALS--1979  
 MIRAGE FLATS CANAL from Niobrara River--Measured  
 through 10-foot Parshall flume--SE $\frac{1}{4}$ N $\frac{1}{2}$ E $\frac{1}{4}$  Sec. 26-29-48 W.  
 Nr. Dunlap. 3/4 mile north on Hiway 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	0	111	0
2	0	0	3	106	0
3	0	0	47	124	31
4	0	0	46	142	75
5	0	0	49	144	97
6	0	0	63	147	104
7	0	0	76	145	100
8	0	0	81	143	80
9	0	0	105	137	86
10	0	0	163	112	99
11	0	0	177	105	85
12	0	0	194	106	59
13	0	0	185	114	57
14	0	0	179	111	56
15	0	0	173	98	35
16	0	0	178	110	0
17	0	0	164	104	0
18	0	0	161	109	0
19	0	0	145	46	0
20	0	0	138	0	0
21	0	0	141	0	0
22	0	0	138	0	0
23	0	0	136	0	0
24	0	0	142	0	0
25	0	0	115	0	0
26	0	0	106	0	0
27	0	0	80	0	0
28	0	0	81	0	0
29	0	0	78	0	0
30	0	0	87	0	0
31	0	0	110	0	-
S.F.	0	0	3541	2214	964
Mean	0	0	114	71	32
Max.	0	0	194	147	104
Min.	0	0	0	0	0
A.F.	0	0	7020	4390	1910

Water diverted 13320 A.F.  
 Acreage reported A-2683-9511; A-3729-2156;  
 Total-11667

DAILY DIVERSIONS OF CANALS--1979  
 LICHTE CANAL from Niobrara River--Measured  
 through Parshall flume--SW $\frac{1}{4}$ N $\frac{1}{2}$ E $\frac{1}{4}$  Sec. 27-29-48 W.  
 Nr. Dunlap. 3/4 mile north on Hiway 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	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	2
7	0	0	0	0	4
8	0	0	0	0	4
9	0	0	0	0	3
10	0	0	2	3	0
11	0	0	3	3	0
12	0	0	3	2	0
13	0	0	3	2	0
14	0	0	4	2	0
15	0	2	3	3	0
16	0	2	1	8	0
17	0	4	2	9	0
18	0	3	2	5	0
19	0	2	3	5	0
20	0	4	3	1	0
21	0	3	1	0	0
22	0	2	0	0	0
23	0	3	0	0	0
24	0	3	0	0	0
25	0	2	0	0	0
26	0	3	0	0	0
27	0	3	0	0	0
28	0	4	0	0	0
29	0	4	0	0	0
30	0	3	0	0	0
31	0	-	0	0	-
S.F.	0	47	30	56	0
Mean	0	2	1	2	0
Max.	0	4	4	9	0
Min.	0	0	0	0	0
A.F.	0	90	60	110	0

Water diverted 260 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--1979  
 POTMESIL CANAL from Niobrara River--Measured  
 through Parshall flume--SE $\frac{1}{4}$ N $\frac{1}{2}$ E $\frac{1}{4}$  Sec. 26-29-48 W.  
 Nr. Dunlap. 3/4 mile north on Hiway 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	0	7	0
2	0	0	7	0	0
3	0	0	6	0	0
4	0	0	6	0	0
5	0	0	7	0	0
6	0	0	5	0	0
7	0	0	5	0	0
8	0	0	5	0	0
9	0	0	5	0	0
10	0	0	5	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	3	6	0	0
16	0	6	6	0	0
17	0	6	6	0	0
18	0	6	6	0	0
19	0	3	6	0	0
20	0	0	5	0	0
21	0	0	5	0	0
22	0	0	5	0	0
23	0	0	5	0	0
24	0	0	3	0	0
25	0	0	0	0	0
26	0	4	0	0	0
27	0	8	0	0	0
28	0	7	0	0	0
29	0	7	0	0	0
30	0	7	0	0	0
31	0	-	0	0	-
S.F.	0	57	134	0	0
Mean	0	2	4	0	0
Max.	0	8	7	0	0
Min.	0	0	0	0	0
A.F.	0	110	270	0	0

Water diverted 380 A.F.  
 Acreage reported A-2566-473; A-10686-145;  
 Total-618

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 AINSWORTH CANAL from Snake River and Merritt  
 Reservoir--Measured through 15-foot Parshall flume  
 NW $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 29-31-30 W.  
 1/10 mile downstream from Merritt Reservoir outlet works

Date	Oct.	May	June	July	Aug.	Sept.
1	72	0	60	50	303	357
2	0	0	60	53	387	357
3	0	0	60	66	431	355
4	0	0	60	97	502	368
5	0	0	60	125	509	400
6	0	0	73	123	562	373
7	0	0	75	129	585	334
8	0	0	71	156	594	135
9	0	0	71	228	596	152
10	0	0	71	323	596	172
11	0	0	70	405	575	131
12	0	0	70	463	575	55
13	0	0	64	506	566	42
14	0	0	74	523	539	36
15	0	0	80	543	516	32
16	0	10	80	566	486	31
17	0	79	80	483	463	30
18	0	79	73	454	415	30
19	0	79	70	483	413	30
20	0	79	68	493	344	30
21	0	71	68	432	230	30
22	0	51	68	443	244	30
23	0	63	68	481	252	18
24	0	68	68	509	248	0
25	0	70	68	461	252	0
26	0	70	68	380	265	0
27	0	70	61	369	315	0
28	0	76	50	346	369	0
29	0	76	50	353	418	0
30	0	60	50	351	430	0
31	0	60	--	280	389	-
S.F.	72	1061	2009	10674	13416	3528
Mean	2	34	67	344	433	118
Max.	72	79	80	566	596	400
Min.	0	0	50	50	230	0
A.F.	140	2100	3980	21170	26610	7000

Water diverted 61000 A.F.  
 Acreage reported A-5218-34321; A-10620-Supp1;  
 A-13853-165; A-15122-0; Total-34426

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	1257	-75
Nov. 30, 1978	1215	-42
Dec. 31, 1978	1183	-32
Jan. 31, 1979	1146	-37
Febr. 28, 1979	1127	-19
Mar. 31, 1979	1516	389
Apr. 30, 1979	1462	-54
May 31, 1979	1432	-30
June 30, 1979	1365	-67
July 31, 1979	1296	-69
Aug. 31, 1979	1215	-81
Sept. 30, 1979	1130	-85
Change in Storage		-202

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

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

Water Year Ending September 30, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	3910	
Nov. 30, 1978	3938	-56
Dec. 31, 1978	3950	28
Jan. 31, 1979	3970	12
Febr. 28, 1979	3970	20
Mar. 31, 1979	4030	60
Apr. 30, 1979	4123	93
May 31, 1979	4086	-37
June 30, 1979	4010	-76
July 31, 1979	3982	-28
Aug. 31, 1979	3938	-44
Sept. 30, 1979	3930	-8
Change in Storage	3895	-35

## NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
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	1211	1157	1527	1421
2	0	1214	1157	1527	1403
3	0	1211	1157	1533	1415
4	0	1217	1182	1533	1421
5	0	1223	1229	1536	1421
6	0	1220	1301	1533	1421
7	52	1231	1349	1549	1421
8	453	1171	1397	1533	1421
9	0	1137	1449	1536	1421
10	0	955	1480	1536	1421
11	0	958	1499	1536	1391
12	0	955	1499	1533	1370
13	0	894	1499	1536	1370
14	0	868	1517	1530	1331
15	147	851	1530	1530	1287
16	680	863	1530	1530	1252
17	657	848	1530	1530	1243
18	669	848	1530	1530	1308
19	676	848	1540	1533	1205
20	773	858	1530	1517	1202
21	786	858	1536	1480	1202
22	808	858	1540	1508	1200
23	848	858	1536	1533	1194
24	918	887	1536	1517	1006
25	1001	910	1530	1511	711
26	1101	963	1527	1495	135
27	1160	1121	1325	1480	0
28	1165	1200	1430	1483	0
29	1202	1177	1527	1477	0
30	1211	1132	1533	1480	0
31	1214	----	1533	1468	-
S.F.	15521	30545	44615	47080	32593
Mean	501	1018	1439	1519	1086
Max.	1214	1231	1540	1549	1421
Min.	0	848	1157	1468	0
A.F.	30790	60590	88490	93380	64650
Water diverted 337900 A.F.					
Acreage reported A-768 Nebr-54846;					
A-768 Wyo-50210; Total 105056					

DAILY DIVERSIONS OF CANALS--1979  
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	870	0	911	1217	975	1929	1808
2	885	0	908	1172	1134	1906	1808
3	896	0	908	1169	1214	1884	1797
4	891	0	914	1062	1310	1948	1797
5	899	0	911	1056	1434	1944	1797
6	720	0	908	1108	1450	1967	1797
7	454	0	908	1091	1521	1967	1800
8	0	0	905	705	1582	1960	1797
9	0	0	908	462	1705	1960	1808
10	0	0	896	0	1887	1952	1808
11	0	0	636	0	1956	1948	1790
12	0	0	633	0	1982	1960	1746
13	0	0	870	0	1990	1967	1684
14	0	0	1001	0	1998	1967	1606
15	0	0	1056	0	1990	1963	1504
16	0	0	1345	0	1986	1963	1508
17	0	0	1316	0	2001	1956	1504
18	0	50	1354	0	2005	1952	1501
19	0	512	1422	0	2017	1952	1497
20	0	806	1431	0	2009	1952	1487
21	0	923	1428	0	2005	1956	1484
22	0	923	1425	0	1994	1948	1484
23	0	923	1422	0	2005	1933	1484
24	0	917	1422	0	1998	1903	1480
25	0	914	1431	0	1990	1827	1491
26	0	917	1441	0	1982	1793	1494
27	0	917	1450	0	1990	1800	1491
28	0	911	1447	92	1948	1804	1348
29	0	914	1412	420	1933	1793	934
30	0	914	1500	693	1941	1800	931
31	0	---	1470	---	1937	1808	---
S.F.	5615	10541	35989	10247	55869	59362	47465
Mean	181	351	1161	342	1802	1915	1582
Max.	899	923	1500	1217	2017	1967	1808
Min.	0	0	633	0	975	1793	931
A.F.	11140	20910	71380	20320	110810	117740	94150
Water diverted 446450 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. 8-23-54 W and Sec. 15-23-54 W.  
Regulating reservoir for irrigation on the Interstate Canal  
near Scottsbluff.

Water Year Ending September 30, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	400	-1610
Nov. 30, 1978	330	-70
Dec. 31, 1978	220	-110
Jan. 31, 1979	20	-200
Febr. 28, 1979	0	-20
Mar. 31, 1979	220	220
Apr. 30, 1979	3640	3420
May 31, 1979	6523	2883
June 30, 1979	7861	1338
July 31, 1979	4844	-3017
Aug. 31, 1979	4844	0
Sept. 30, 1979	3810	-1034
Change in Storage		1800

## 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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	39380	11730
Nov. 30, 1978	38490	-890
Dec. 31, 1978	38140	-350
Jan. 31, 1979	38130	-10
Febr. 28, 1979	37600	-530
Mar. 31, 1979	37250	-350
Apr. 30, 1979	40650	3400
May 31, 1979	48216	7566
June 30, 1979	53422	5206
July 31, 1979	33830	-19592
Aug. 31, 1979	17989	-15841
Sept. 30, 1979	24735	6746
Change in Storage		-2915

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 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	0	0	63	20	121	91
2	0	0	59	17	125	82
3	0	0	57	33	132	84
4	0	0	43	30	121	84
5	0	0	36	46	128	88
6	3	0	36	65	127	88
7	9	0	40	73	130	86
8	10	0	40	87	138	85
9	2	0	37	106	125	89
10	16	0	41	117	124	85
11	9	0	16	148	121	86
12	6	0	16	151	125	60
13	0	0	16	139	136	66
14	0	0	13	131	131	59
15	0	0	13	125	112	59
16	0	0	11	112	106	59
17	0	107	13	115	118	61
18	0	148	0	126	105	61
19	0	127	0	127	106	41
20	0	61	0	131	98	37
21	0	39	0	122	98	42
22	0	38	15	98	93	29
23	0	50	7	109	95	29
24	0	42	7	90	86	31
25	0	67	12	115	90	28
26	0	56	13	88	102	31
27	0	60	0	25	95	34
28	0	60	8	119	88	37
29	0	58	39	136	98	43
30	0	56	35	120	92	43
31	0	61	--	130	83	--
S.F.	55	1030	686	3051	3454	1798
Mean	2	33	23	98	111	60
Max.	16	148	63	151	138	91
Min.	0	0	0	17	83	28
A.F.	110	2040	1360	6050	6850	3570
Water diverted 19980 A.F.						
Acreage reported D-1052-14221						

DAILY DIVERSIONS OF CANALS--1979  
 GERING CANAL from North Platte River--Measured  
 through rating flume--NE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 29-22-55 W.  
 Nr. Gering. 5 miles west from Hiway Junction 72  
 & 92, cross canal, turn right, 3/4 mile down canal

Date	Oct.	May	June	July	Aug.	Sept.
1	109	0	155	180	209	179
2	98	0	156	196	207	190
3	105	0	158	188	200	188
4	98	0	169	195	211	188
5	96	0	182	200	204	184
6	93	0	179	207	205	184
7	88	0	178	204	200	187
8	88	0	179	193	192	187
9	95	0	179	203	203	184
10	95	0	178	209	201	187
11	95	0	179	193	200	187
12	113	0	171	201	200	195
13	113	0	169	211	198	180
14	0	0	169	215	204	187
15	0	0	169	221	218	187
16	0	0	171	231	219	187
17	0	0	169	228	207	185
18	0	0	192	215	221	185
19	0	28	158	214	219	187
20	0	91	160	212	225	187
21	0	117	169	219	209	179
22	0	114	163	245	204	192
23	0	105	174	226	207	192
24	0	105	174	238	219	190
25	0	113	170	215	215	185
26	0	142	169	242	205	182
27	0	140	201	298	212	178
28	0	141	201	207	204	184
29	0	160	176	187	185	178
30	0	160	180	203	188	176
31	0	155	---	196	190	---
S.F.	1286	1571	5197	6592	6381	5561
Mean	41	51	173	213	206	185
Max.	113	160	201	298	225	195
Min.	0	0	155	180	185	176
A.F.	2550	3120	10310	13080	12660	11030
Water diverted 52750 A.F.						
Acreage reported A-365R-13106						

DAILY DIVERSIONS OF CANALS--1979  
 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 Hiway 29, 2/10 mile  
 south, 1/10 mile east, on right road

Date	May	June	July	Aug.	Sept.
1	0	479	815	839	527
2	0	512	821	843	568
3	0	485	840	818	556
4	0	485	816	786	542
5	0	520	868	818	557
6	0	568	869	900	587
7	190	636	931	925	640
8	316	676	939	971	645
9	344	636	945	1024	628
10	346	655	995	1011	592
11	318	651	1013	1018	583
12	293	637	1014	1018	549
13	290	637	1044	1025	499
14	290	616	1057	1024	462
15	246	606	1044	999	440
16	207	611	1046	979	471
17	135	620	1049	955	481
18	72	637	1035	922	437
19	78	656	1037	925	461
20	76	608	1049	884	458
21	76	431	1055	830	438
22	90	371	1054	747	426
23	90	373	1033	726	415
24	87	393	1023	817	400
25	71	400	991	787	357
26	130	386	988	835	356
27	496	430	956	803	249
28	465	735	937	687	84
29	435	878	903	629	0
30	450	801	900	618	0
31	438	---	888	561	-
S.F.	6029	17179	29993	26724	13408
Mean	194	573	968	862	447
Max.	496	878	1057	1025	645
Min.	0	371	815	561	0
A.F.	11960	34270	59490	53010	26590
Water diverted 185320 A.F.					

DAILY DIVERSIONS OF CANALS--1979

TRI-STATE DIVERSION  
 FOR FARMERS IRRIGATION DISTRICT AND PREFERRED RIGHTS  
 Summary in Acre-feet--1979

	May	June	July	Aug.	Sept.	Total
Diverted from:						
North Platte River.....	11960	34270	59490	53010	26590	185320
*Optional Diversions.....	0	210	860	1080	550	2700
**Drains.....	1570	0	0	0	580	2150
Total.....	13530	34480	60350	54090	27720	190170

Water diverted 190170 A.F.  
 Acreage reported D-918-58471; A-660-2913; O.D.'s-351; Total-61735

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



## NORTH PLATTE RIVER BASIN

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 Hiway 29, 1/10 mile  
south, on left bank

Date	May	June	July	Aug.	Sept.
1	311	125	80	105	54
2	300	70	126	72	40
3	310	25	95	15	10
4	310	20	18	15	10
5	310	20	18	15	10
6	315	20	26	16	10
7	30	15	35	16	10
8	26	110	35	20	20
9	26	120	20	34	52
10	32	125	51	40	66
11	50	153	50	50	94
12	85	153	115	51	67
13	75	25	100	45	135
14	40	15	93	73	181
15	32	15	77	119	108
16	30	15	66	115	77
17	15	15	89	127	28
18	10	60	128	153	15
19	10	150	109	195	15
20	10	45	123	167	15
21	10	80	115	138	15
22	10	85	146	15	10
23	10	85	180	15	10
24	10	40	230	106	18
25	10	25	266	155	18
26	15	14	235	153	16
27	90	14	232	123	15
28	250	20	297	196	330
29	350	36	192	135	290
30	300	33	113	67	265
31	200	--	111	99	---
S.F.	3582	1728	3571	2645	2004
Mean	116	58	115	85	67
Max.	350	153	297	196	330
Min.	10	14	18	15	10
A.F.	7100	3430	7030	5250	3970
Total 5 months		26830	A.F.		

DAILY DIVERSIONS OF CANALS--1979  
NORTHPORT CANAL from North Platte River  
Measured through section of Tri-State Canal  
SW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 14-21-51 W.  
Nr. Bayard. 4 miles north on Hiway 26, 7.4  
miles east on State Link 62A, 3.1 miles south  
on county road, 1.5 miles west on ditch road

Date	May	June	July	Aug.	Sept.
1	0	53	266	245	145
2	0	53	267	238	95
3	0	87	274	233	81
4	0	83	275	219	64
5	0	55	263	174	30
6	0	60	286	154	15
7	0	57	272	166	10
8	0	102	274	181	40
9	0	136	268	179	60
10	0	120	252	209	96
11	0	127	254	212	109
12	0	141	260	219	98
13	0	147	257	212	97
14	0	152	244	216	91
15	47	153	254	231	89
16	78	164	252	244	52
17	65	158	256	224	36
18	56	144	263	223	21
19	27	128	261	206	0
20	2	154	249	207	0
21	0	165	250	201	0
22	0	128	254	205	0
23	2	88	270	180	0
24	5	59	253	181	32
25	5	48	256	215	69
26	0	46	251	163	68
27	0	28	213	195	103
28	70	27	225	187	0
29	106	124	242	175	0
30	82	260	241	182	0
31	97	---	233	156	-
S.F.	642	3247	7935	6232	1501
Mean	21	108	256	201	50
Max.	106	260	286	245	145
Min.	0	27	213	154	0
A.F.	1270	6440	15740	12360	2980
Water diverted					38790 A.F.
Acreege reported					A-768-15982

DAILY DIVERSIONS OF CANALS--1979  
NORTHPORT CANAL from Drains  
entering Tri-State Canal

Date	May	June	July	Aug.	Sept.
1	20	118	124	149	199
2	20	117	119	153	199
3	21	117	112	148	198
4	21	115	108	141	196
5	21	115	112	142	194
6	21	113	113	142	188
7	22	116	114	140	183
8	63	125	110	142	183
9	92	126	111	144	184
10	93	121	111	145	185
11	93	116	110	148	192
12	94	114	104	149	208
13	93	115	109	156	206
14	9	110	110	159	205
15	94	114	109	162	202
16	92	113	114	162	199
17	103	114	115	162	198
18	105	118	116	168	198
19	107	125	118	170	174
20	108	114	119	176	150
21	106	109	121	182	151
22	116	115	125	178	153
23	115	122	121	183	154
24	112	115	145	198	112
25	113	115	143	186	59
26	111	120	147	190	48
27	91	122	170	203	44
28	112	130	165	204	40
29	117	163	157	201	44
30	117	126	153	204	43
31	118	---	153	202	--
S.F.	1846	3573	3858	5189	4602
Mean	60	119	124	167	153
Max.	118	163	170	204	208
Min.	9	109	104	140	40
A.F.	3660	7090	7650	10290	9130
Water diverted					37820 A.F.

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979

NORTHPORT DIVERSIONS FOR NORTHPORT IRRIGATION DISTRICT  
Summary in Acre-feet--1979

Diverted from:	Section	May	June	July	Aug.	Sept.	Total
	Township Range						
North Platte River.....	10-23-58	1270	6440	15740	12360	2980	38790
*Sheep Creek.....	17-23-57	2280	4350	4540	5950	4990	22110
*Akers Draw.....	12-23-57	350	660	760	800	780	3350
*Tub Springs.....	27-33-55	240	470	830	860	660	3060
*Dry Spottedtail Creek.....	9-23-56	380	780	880	1290	1110	4440
*Wet Spottedtail Creek.....	10-23-56	410	820	640	1400	1600	4870
*Moffat Drain.....	25-22-53	0	0	0	0	0	0
*Alliance Drain.....	18-22-53	0	0	0	0	0	0
Totals.....		4930	13520	23390	22660	12120	76620

Water diverted 76620 A.F.  
Acreage reported A-768-15982  
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.

DISCHARGE IN SECOND-FEET OF AKERS DRAW INTO TRI-STATE CANAL  
NW 1/4 Sec. 12-23-57 W.--Water Year Ending September 30, 1979  
Nr. Morrill. 1 mile east from Hiway 26 & Junction 79B Spur,  
9/10 mile north, shelter house on right upstream bank above bridge

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	13	12	10	12	11	12	11	12	13	11	18
2	12	13	12	10	13	11	12	11	12	13	11	18
3	12	13	13	10	14	11	12	11	12	13	10	18
4	12	13	13	10	14	11	12	11	12	11	8.4	17
5	12	13	13	11	15	11	12	11	11	13	7.8	17
6	12	12	13	11	16	12	12	11	11	13	13	17
7	12	12	13	12	16	12	12	12	11	14	13	18
8	12	12	13	12	15	11	12	12	11	14	12	18
9	12	12	12	12	15	12	12	12	11	13	11	18
10	12	12	12	12	14	12	11	12	11	12	11	18
11	12	12	12	11	13	12	11	11	10	12	11	18
12	12	12	12	11	13	12	11	11	10	11	10	18
13	12	12	12	10	12	12	11	11	10	11	11	18
14	13	12	12	10	12	11	11	11	10	11	12	18
15	13	12	12	9.4	13	11	11	11	10	10	12	17
16	13	12	12	10	13	11	12	11	10	11	11	17
17	14	12	12	10	12	11	12	11	9.6	11	12	17
18	14	12	12	10	12	11	12	11	9.6	11	13	17
19	14	12	12	10	12	11	12	11	9.6	12	14	17
20	14	13	12	10	12	11	12	11	10	13	15	17
21	13	13	13	10	12	11	12	11	10	14	15	17
22	13	13	13	10	12	11	12	12	11	15	15	17
23	13	13	13	10	11	11	12	12	12	13	15	18
24	12	13	14	10	11	11	13	12	12	13	15	18
25	12	13	14	10	11	11	13	12	12	13	15	16
26	12	12	14	11	11	11	13	12	12	13	16	16
27	12	12	14	11	11	11	11	12	12	12	16	15
28	12	12	13	11	11	11	11	12	12	12	16	15
29	13	12	12	12	--	12	11	12	13	12	17	15
30	13	12	12	12	--	12	11	11	14	12	17	13
31	13	--	11	12	--	12	--	12	--	12	17	--
S. F.	389	371	389	330.4	358	351	353	354	332.8	383	403.2	511
Mean	12.5	12.4	12.5	10.7	12.8	11.3	11.8	11.4	11.1	12.4	13.0	17.0
Max.	14	13	14	12	16	12	13	12	14	15	17	18
Min.	12	12	11	9.4	11	11	11	11	9.6	10	7.8	13
A. F.	770	740	770	660	710	700	700	700	660	760	800	1010
Total acre-feet	8980 A.F.											

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 ENTERPRISE CANAL from North Platte River--Measured  
 through rating flume--NE 1/4 Sec. 27-23-57 W.  
 Nr. Morrill. 6.10 mile north, 4/10 mile east, on  
 left bank

Date	May	June	July	Aug.	Sept.
1	0	87	89	102	88
2	0	78	102	92	82
3	0	75	94	87	77
4	0	76	88	88	77
5	0	82	89	84	78
6	0	84	89	85	79
7	0	83	89	93	80
8	0	89	94	93	82
9	0	98	94	97	83
10	0	93	101	92	84
11	0	92	96	98	83
12	0	85	99	98	82
13	0	83	117	98	77
14	0	77	106	96	76
15	41	75	102	89	75
16	54	76	102	92	74
17	53	77	114	94	72
18	46	77	106	97	71
19	70	83	96	103	80
20	77	80	99	90	82
21	90	80	96	77	80
22	98	82	102	72	80
23	89	80	103	80	80
24	76	79	105	92	83
25	74	85	107	94	84
26	68	85	97	89	83
27	74	90	114	87	70
28	114	111	98	88	45
29	117	96	92	88	0
30	103	75	94	89	0
31	98	--	103	89	-
S.F.	1342	2513	3077	2813	2187
Mean	43	84	99	91	73
Max.	117	111	117	103	88
Min.	0	75	88	72	0
A.F.	2660	4980	6100	5580	4340
Water diverted 23660 A.F.					
Acreage reported D-920=7703					

DAILY DIVERSIONS OF CANALS--1979  
 ENTERPRISE CANAL from Morrill Drain--Measured  
 in channel of drain.--Sec. 14-23-57 W. near  
 Morrill. 2 miles east of Junction of State  
 Spur L-79-D and Hiway 26 at west edge of  
 Morrill, 0.4 mile south to railroad tracks.  
 No gage.

Date	May	June	July	Aug.	Sept.
1	0	1	1	4	2
2	0	1	1	4	2
3	0	1	1	4	2
4	0	1	1	4	1
5	0	1	1	4	1
6	0	1	1	3	1
7	0	1	1	3	1
8	1	1	1	3	1
9	1	1	1	3	1
10	1	1	2	3	1
11	1	1	2	3	1
12	1	1	2	3	1
13	1	1	2	3	1
14	1	1	2	3	1
15	1	1	2	3	1
16	1	1	2	3	1
17	1	1	2	3	1
18	1	1	2	3	2
19	1	1	2	3	2
20	1	1	3	2	2
21	1	1	3	2	2
22	1	1	3	2	2
23	1	1	3	2	2
24	1	1	3	2	2
25	1	1	3	2	2
26	1	1	3	2	2
27	1	1	4	2	2
28	1	1	4	2	2
29	1	1	4	2	2
30	1	1	4	2	2
31	1	-	4	2	-
S.F.	24	30	70	86	46
Mean	1	1	2	3	2
Max.	1	1	4	4	2
Min.	0	1	1	2	1
A.F.	50	60	140	170	90
Water diverted 510 A.F.					

DAILY DIVERSIONS OF CANALS--1979  
 ENTERPRISE CANAL from Winter Creek--Measured  
 in channel of canal.--Sec. 17-22-54 W. near  
 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. No gage.

Date	May	June	July	Aug.	Sept.
1	0	0	2	2	1
2	0	0	2	2	1
3	0	0	2	2	1
4	0	0	2	2	1
5	0	0	2	2	1
6	0	0	2	2	1
7	0	0	2	2	1
8	0	0	2	2	1
9	0	0	2	2	1
10	0	0	2	2	1
11	0	0	2	2	1
12	0	0	2	2	0
13	0	0	2	2	0
14	0	0	2	2	0
15	0	0	2	2	0
16	0	0	2	2	0
17	0	1	2	2	0
18	0	1	2	2	0
19	0	1	2	2	0
20	0	1	2	2	0
21	0	1	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	0	2	2	2	0
29	0	2	2	1	0
30	0	2	2	1	0
31	0	-	2	1	-
S.F.	0	23	62	59	11
Mean	0	1	2	2	0
Max.	0	2	2	2	1
Min.	0	0	2	1	0
A.F.	0	50	120	120	20
Water diverted 310 A.F.					

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979

ENTERPRISE CANAL  
Summary in Acre-feet--1979

Diverted from:	May	June	July	Aug.	Sept.	Total
North Platte River.....	2660	4980	6050	5580	4340	23610
Morrill Drain.....	50	60	140	170	90	510
Dry Spottedtail Creek...	0	0	0	0	0	0
Tub Springs.....	0	0	0	0	0	0
Winters Creek.....	0	50	120	120	20	310
Natural flow.....	2710	5090	6310	5870	4450	24430
Storage flow.....	0	0	50	0	0	50
Total.....	2710	5090	6360	5870	4450	24480

Storage orders - July 22-July 30 for 12 cfs at headgate

Water diverted 24480 A.F.  
Natural 24430 A.F.  
Storage 50 A.F.

DISCHARGE IN SECOND-FEET OF WET SPOTTEDTAIL CREEK NEAR MITCHELL  
SW $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 6-22-55 W.  
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.  
Water Year Ending September 30, 1979

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	10	12	7.0	10	11	9.4	8.9	9.8	11	16	13
2	12	10	11	6.0	10	11	9.3	8.9	9.7	11	17	12
3	12	10	11	6.0	9.0	10	9.3	8.9	9.6	11	18	12
4	12	10	11	5.0	9.0	9.4	9.3	8.8	9.8	10	17	12
5	12	11	10	5.0	9.0	9.6	9.0	8.6	9.8	10	17	12
6	11	11	10	4.0	8.4	9.6	9.2	8.6	9.9	10	17	12
7	11	11	10	4.0	8.4	9.6	9.2	8.5	11	10	16	12
8	11	11	10	3.8	9.0	9.6	9.0	9.2	12	12	16	12
9	11	11	10	3.6	10	11	8.8	8.5	13	12	16	12
10	11	11	10	3.8	11	11	9.2	8.5	12	13	16	12
11	11	11	10	4.0	14	11	9.9	7.5	11	13	16	12
12	11	12	10	6.0	16	11	9.4	7.6	11	12	16	12
13	11	12	10	7.0	15	11	9.2	7.2	11	12	16	12
14	11	12	10	8.0	14	11	9.0	7.2	11	12	16	12
15	12	13	11	9.0	13	10	8.9	7.0	11	12	16	12
16	12	13	11	10	12	11	8.9	5.8	11	12	16	12
17	12	13	11	10	12	10	8.9	5.8	11	12	16	12
18	12	13	11	10	10	11	8.9	5.8	10	13	16	12
19	12	12	11	10	10	10	8.9	5.7	10	12	16	12
20	12	11	11	11	10	10	8.9	5.7	8.4	12	15	12
21	13	10	11	11	10	10	8.9	5.7	8.4	12	14	12
22	13	10	11	11	10	10	8.9	5.7	8.6	12	14	12
23	13	10	10	11	10	10	8.9	6.4	8.9	13	13	12
24	14	10	10	11	10	10	8.5	6.6	8.8	13	14	13
25	14	11	10	11	11	10	8.2	6.9	8.5	13	14	13
26	14	11	10	11	11	10	8.4	6.8	8.5	14	14	13
27	13	12	10	11	11	10	8.6	6.6	8.9	15	14	13
28	12	12	10	11	11	10	8.6	6.9	9.3	16	14	13
29	11	12	9.0	10	--	9.9	8.8	8.0	9.4	16	13	13
30	10	12	8.0	10	--	9.9	8.8	8.8	9.7	16	14	13
31	10	--	7.0	10	--	9.7	--	9.3	--	16	13	--
S. F.	368	338	317	251.2	303.8	31.73	269.2	230.4	301.0	388	476	368
Mean	11.9	11.3	10.2	8.1	10.8	10.2	9.0	7.4	10.0	12.5	15.4	12.3
Max.	14	13	12	11	16	11	9.9	9.3	13	16	18	13
Min.	10	10	7.0	3.6	8.4	9.4	8.2	5.7	8.4	10	13	12
A.F.	730	670	630	500	600	630	530	460	600	770	940	730
Total acre-feet	7790 A.F.											

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979

WINTERS CREEK CANAL from North Platte River  
Measured through 8-foot Parshall flume  
SE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 17-22-55 W.  
Near Scottsbluff. From Hiway 26 & 70s  
Junction, 1.4 miles west on Hiway 26, 1.3  
miles south, 3/10 mile west, on right bank.

WINTERS CREEK FACTORY LATERAL from Winters  
Creek. Measured through 2-foot Parshall  
flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 19-22-54 W. Near Scotts-  
bluff. 2/10 mile east from Hiway 26 Junction,  
6/10 mile north, on left bank.

Date	May	June	July	Aug.	Sept.
1	0	16	18	18	20
2	0	16	19	16	19
3	0	18	17	4	18
4	0	18	16	11	18
5	0	18	17	19	17
6	0	21	19	21	19
7	0	21	20	22	20
8	0	18	21	23	20
9	0	16	23	23	20
10	0	16	24	22	20
11	0	16	26	25	20
12	0	17	28	24	19
13	0	20	28	23	14
14	0	19	30	22	13
15	0	20	32	22	7
16	4	20	32	22	4
17	19	21	31	21	9
18	14	21	29	18	12
19	19	22	28	18	12
20	18	5	27	15	14
21	17	0	26	14	14
22	16	8	26	16	13
23	15	13	26	18	16
24	14	10	20	19	15
25	13	13	15	17	16
26	16	17	19	10	16
27	13	18	15	14	7
28	19	5	4	20	3
29	18	3	4	19	3
30	15	13	4	17	1
31	16	--	11	18	-
S.F.	246	459	655	571	419
Mean	8	15	21	18	14
Max.	19	22	32	25	20
Min.	0	0	4	4	1
A.F.	490	910	1300	1130	830

Water diverted 4660 A.F.  
Acreage reported D-952-5745

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	5
2	0	0	0	0	4
3	0	0	0	2	4
4	0	0	2	7	4
5	0	0	5	10	3
6	0	0	5	9	3
7	0	0	0	9	3
8	0	0	0	11	2
9	0	0	0	12	3
10	0	0	1	12	3
11	0	0	2	12	5
12	0	0	4	12	4
13	0	0	5	12	4
14	0	0	5	13	4
15	0	0	6	13	5
16	0	0	6	10	4
17	0	0	6	3	6
18	0	0	6	3	4
19	0	0	4	2	4
20	0	0	6	2	2
21	0	0	6	0	3
22	0	0	6	0	4
23	1	0	8	0	3
24	2	0	5	1	4
25	2	0	3	1	6
26	2	0	3	1	11
27	2	0	4	1	11
28	2	0	0	3	11
29	0	0	0	4	12
30	0	0	0	4	14
31	0	-	0	5	--
S.F.	11	0	98	174	155
Mean	0	0	3	6	5
Max.	2	0	8	13	14
Min.	0	0	0	0	2
A.F.	20	0	190	350	310

Water diverted 870 A.F.

WINTERS CREEK CANAL from Winters Creek  
Measured through 8-foot Parshall flume  
SW $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 19-22-54 W.  
Near Scottsbluff. 2/10 mile east from  
Hiway 26 junction, 6/10 mile north on  
right bank.

Date	May	June	July	Aug.	Sept.
1	0	14	18	27	32
2	0	14	19	26	30
3	0	16	18	34	30
4	0	18	16	47	30
5	0	17	17	51	28
6	0	18	21	51	27
7	10	13	28	51	27
8	18	6	27	52	26
9	16	7	28	52	26
10	16	8	38	51	28
11	16	11	40	53	29
12	16	21	36	52	30
13	16	20	37	53	31
14	16	22	36	56	31
15	18	21	40	55	30
16	21	17	43	54	28
17	22	14	44	46	26
18	22	13	44	61	24
19	22	0	45	44	24
20	22	0	42	32	5
21	22	0	49	31	15
22	22	0	56	30	32
23	22	0	52	30	32
24	22	0	52	30	30
25	24	6	51	37	30
26	27	26	48	34	28
27	24	13	0	30	30
28	23	0	0	30	24
29	18	16	0	33	21
30	13	18	0	33	22
31	16	--	30	35	--
S.F.	484	349	975	1301	806
Mean	16	12	31	42	27
Max.	27	26	56	61	32
Min.	0	0	0	26	5
A.F.	960	690	1930	2850	1600

Water diverted 7760 A.F.

DAILY DIVERSIONS OF CANALS--1979

WINTERS CREEK DIVERSIONS  
Summary in Acre-feet--1979

	May	June	July	Aug.	Sept.	Total
Diverted from:						
North Platte River.....	490	910	1300	1130	830	4660
Winters Creek.....	980	690	2120	2930	1910	8630
Total.....	1470	1600	3420	4060	2740	13290

Water diverted 13290 A.F.  
Acreage reported D-952-5745

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 CENTRAL CANAL from North Platte River--Measured  
 through rating flume--NW $\frac{1}{4}$ NW $\frac{1}{4}$  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	8	0	17	12	24	27
2	4	0	18	12	24	28
3	0	0	18	12	23	27
4	0	0	21	8	25	23
5	0	0	22	11	29	16
6	0	0	23	14	29	15
7	0	0	23	14	34	16
8	0	0	24	15	34	12
9	0	0	25	19	31	13
10	0	0	24	19	30	16
11	0	0	24	23	31	18
12	0	0	25	29	33	19
13	0	0	26	31	32	19
14	0	0	25	32	31	18
15	0	0	24	31	32	17
16	0	0	24	33	32	16
17	0	0	25	34	33	15
18	0	0	26	32	34	13
19	0	0	22	28	35	14
20	0	0	21	31	36	15
21	0	0	20	32	28	16
22	0	0	20	31	24	16
23	0	0	20	30	23	16
24	0	0	19	31	25	18
25	0	0	18	27	30	19
26	0	0	18	28	28	18
27	0	0	25	27	27	18
28	0	1	17	26	27	18
29	0	15	19	26	28	14
30	0	15	10	24	26	13
31	0	18	--	24	26	--
S.F.	12	49	643	746	904	523
Mean	0	2	21	24	29	17
Max.	8	18	20	34	36	28
Min.	0	0	10	8	23	12
A.F.	20	100	1260	1480	1790	1040

Water diverted 5710 A.F.  
 Acreage reported D-926-1984

DAILY DIVERSIONS OF CANALS--1979

CENTRAL CANAL  
 Summary in Acre-feet--1979

Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	20	100	1280	1450	1660	1040	5550
Storage.....	0	0	0	30	130	0	160
Total.....	20	100	1280	1480	1790	1040	5710

Storage orders - July 20-July 27 for 4 cfs at headgate  
 August 7-August 10 for 4 cfs at headgate  
 August 11-August 30 for 7 cfs at headgate

Water diverted 5710 A.F.  
 Natural 5550 A.F.  
 Storage 160 A.F.

DAILY DIVERSIONS OF CANALS--1979  
 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	61	8	70	58	74	72
2	58	36	59	60	72	71
3	58	37	59	62	71	70
4	55	30	59	61	80	69
5	56	30	74	65	83	76
6	52	30	73	65	89	80
7	50	27	72	66	94	80
8	51	26	71	66	96	80
9	51	16	62	75	102	83
10	49	7	56	83	115	86
11	48	28	55	103	115	86
12	43	35	78	107	115	82
13	41	31	83	103	111	82
14	25	24	82	118	100	82
15	0	22	81	115	105	82
16	0	17	71	112	109	82
17	0	17	60	97	105	66
18	0	22	58	106	97	57
19	0	36	0	91	74	55
20	0	40	37	96	64	55
21	0	17	55	110	57	53
22	0	24	48	108	72	50
23	0	36	44	100	66	51
24	0	38	43	103	65	51
25	0	40	42	90	74	50
26	0	49	53	98	69	48
27	0	60	63	36	65	51
28	0	70	52	31	65	49
29	0	81	54	61	64	40
30	0	81	56	69	63	36
31	0	81	--	74	69	--
S.F.	698	1096	1770	2589	2600	1975
Mean	23	35	59	84	84	66
Max.	61	81	83	118	115	86
Min.	0	7	0	31	57	36
A.F.	1380	2170	3510	5140	5160	3920

Water diverted 21280 A.F.  
 Acreage reported D-919-9212

DAILY DIVERSIONS OF CANALS--1979  
 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	11	0	50	50	54	66
2	20	0	57	52	58	65
3	30	0	58	64	78	58
4	40	0	64	69	83	56
5	35	0	73	75	84	54
6	28	0	79	81	83	53
7	28	0	84	82	83	53
8	28	0	86	87	82	55
9	28	0	81	87	86	55
10	28	0	75	90	84	56
11	28	0	75	88	86	55
12	27	0	76	87	85	48
13	23	0	74	88	88	49
14	19	0	74	86	87	43
15	14	0	74	85	87	42
16	10	7	71	84	84	42
17	6	20	68	79	84	42
18	0	21	67	79	79	42
19	0	23	56	85	64	42
20	0	28	53	89	61	52
21	0	31	55	89	56	60
22	0	34	60	90	54	59
23	0	36	61	90	62	59
24	0	37	59	91	57	59
25	0	42	59	85	37	59
26	0	45	58	84	34	58
27	0	48	62	55	50	58
28	0	52	42	52	56	57
29	0	55	55	54	59	49
30	0	50	52	54	66	48
31	0	50	--	54	67	--
S.F.	403	579	1958	2385	2178	1594
Mean	13	19	65	77	70	53
Max.	40	55	86	91	88	66
Min.	0	0	42	50	34	42
A.F.	800	1150	3880	4730	4320	3160

Water diverted 18040 A.F.  
 Acreage reported D-921-5987; A-186R=471;  
 A-350R-49; Total-6507

## NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FOET OF MELBETA DRAIN NEAR  
MELBETA--SE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 13-21-54 W.  
5/10 mile west on Hiway 92, on upstream side  
of bridge  
Water Year Ending September 30, 1979

Date	May	June	July	Aug.	Sept.
1	2	0	25	2	27
2	2	0	27	2	29
3	2	0	20	33	32
4	2	0	22	16	28
5	2	2	25	13	22
6	2	1	15	9	20
7	2	8	18	6	23
8	2	13	14	5	32
9	2	17	11	9	29
10	2	21	17	4	26
11	2	20	7	6	21
12	2	20	33	7	25
13	2	12	2	8	23
14	2	5	5	10	22
15	2	3	3	8	32
16	2	21	2	11	30
17	2	19	27	8	28
18	2	17	28	9	26
19	2	20	17	15	26
20	2	22	16	22	31
21	2	18	13	14	31
22	2	12	20	17	31
23	2	5	33	17	32
24	2	6	30	19	34
25	2	8	26	21	17
26	2	10	25	20	35
27	2	8	16	20	37
28	1	37	7	19	16
29	0	18	5	19	12
30	0	22	3	17	8
31	0	--	3	27	--
S.F.	55	365	516	413	785
Mean	2	12	17	13	26
Max.	2	37	33	33	37
Min.	0	0	2	2	8
A.F.	110	720	1020	820	1560

DAILY DIVERSIONS OF CANALS--1979  
SHORT LINE CANAL from North Platte River--Measured  
through rating flume--NW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 25-21-53 W.  
Nr. McGrew. Across railroad tracks, 1/3 mile north,  
3/10 mile east, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	14	0	38	38	10	5
2	14	0	44	34	9	12
3	14	0	48	35	8	11
4	16	0	47	39	8	11
5	21	0	48	37	12	13
6	11	0	38	35	14	18
7	0	0	38	36	14	21
8	0	0	32	37	14	29
9	0	0	34	38	14	30
10	0	0	32	36	15	32
11	0	0	30	32	16	32
12	0	0	29	31	19	43
13	0	0	30	33	22	34
14	0	0	34	32	23	20
15	0	0	33	37	25	19
16	0	0	33	36	21	16
17	0	0	35	30	20	9
18	0	0	34	33	21	10
19	0	10	30	35	14	13
20	0	14	32	33	14	8
21	0	22	32	33	15	6
22	0	26	29	34	16	7
23	0	32	27	32	16	6
24	0	36	30	30	13	6
25	0	33	30	34	20	6
26	0	33	32	33	14	8
27	0	36	30	29	11	10
28	0	35	32	26	13	11
29	0	57	34	26	9	10
30	0	42	57	24	4	9
31	0	44	--	12	2	--
S.F.	90	420	1052	1010	446	465
Mean	3	14	35	33	14	16
Max.	21	57	57	39	25	43
Min.	0	0	27	12	2	5
A.F.	180	830	2090	2000	880	920

Water diverted 6900 A.F.  
Acreage reported D-946-2752

DAILY DIVERSIONS OF CANALS--1979  
NINE MILE CANAL from North Platte River--Measured  
through rating flume--NE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 18-21-53 W.  
Nr. McGrew. 1/3 mile north across railroad tracks,  
2/10 mile west, 1/5 mile north, 3.1 miles west,  
3/10 mile north, on right bank

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	47	0	16	62	27	39	50
2	46	0	25	58	27	39	50
3	44	0	25	54	26	39	50
4	42	0	23	48	27	39	50
5	41	0	21	49	27	40	51
6	40	0	20	76	30	41	50
7	38	0	19	88	34	41	48
8	35	0	20	91	35	34	47
9	39	0	19	84	52	42	47
10	43	0	13	73	57	41	46
11	43	0	16	61	40	40	43
12	42	0	23	59	30	39	42
13	31	0	22	59	30	39	42
14	0	0	20	55	31	40	41
15	0	0	17	54	29	43	41
16	0	0	16	54	31	47	39
17	0	0	16	53	53	49	38
18	0	0	15	54	57	52	37
19	0	0	16	53	56	53	37
20	0	0	20	52	56	52	38
21	0	0	44	52	54	50	39
22	0	0	45	33	61	50	39
23	0	0	39	18	63	49	39
24	0	0	29	17	59	49	38
25	0	0	24	16	59	53	39
26	0	0	22	16	56	50	38
27	0	8	26	17	41	50	37
28	0	14	36	27	33	48	37
29	0	14	58	28	33	47	35
30	0	14	68	28	31	48	33
31	0	--	66	--	37	49	--
S.F.	531	50	839	1489	1282	1392	1261
Mean	17	2	27	50	41	45	42
Max.	47	14	68	91	63	53	51
Min.	0	0	13	16	26	34	33
A.F.	1050	100	1660	2950	2540	2760	2500

Water diverted 13560 A.F.  
Acreage reported D-925 (A-1431 O.D.)-5966; Pet 262 fr  
Red Willow-71; Total-6037

DAILY DIVERSIONS OF CANALS--1979  
CHIMNEY ROCK CANAL from North Platte River--Measured  
through rating flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 1-20-53 W.  
Nr. Bayard. South to junction and Hiway 92, 2.5 miles  
west, 4/10 mile north, 1/10 mile west, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	45	0	67	49	35	41
2	41	0	65	56	34	40
3	40	0	62	55	35	40
4	38	5	58	54	55	39
5	36	20	54	55	56	38
6	36	19	51	56	66	41
7	30	15	52	56	65	47
8	18	14	57	55	63	45
9	22	14	61	74	62	44
10	27	14	60	54	71	47
11	29	15	58	65	72	50
12	30	25	57	83	70	26
13	30	26	56	82	72	37
14	24	23	56	83	74	52
15	19	26	60	79	76	45
16	20	34	60	79	77	44
17	7	30	60	81	67	42
18	0	29	60	83	37	39
19	0	29	58	83	28	35
20	0	35	56	81	44	32
21	0	40	60	82	42	27
22	0	38	59	83	25	31
23	0	38	59	79	21	29
24	0	38	62	76	23	26
25	0	41	63	76	26	34
26	0	35	64	79	30	32
27	0	40	64	41	29	32
28	0	40	61	47	27	32
29	0	47	56	41	32	32
30	0	64	51	34	37	34
31	0	70	--	36	41	--
S.F.	492	864	1767	2037	1492	1133
Mean	16	28	59	66	48	38
Max.	45	70	67	83	77	52
Min.	0	0	51	34	21	26
A.F.	980	1710	3500	4040	2960	2250

Water diverted 15440 A.F.  
Acreage reported D-844, 1031-5269; A-2190-47;  
Total-5316

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.  
2.5 miles west on Hiway 92 from Junction, at  
railroad bridge  
Water Year Ending September 30, 1979

DAILY DIVERSIONS OF CANALS--1979

CHIMNEY ROCK CANAL  
Summary in Acre-feet--1979

Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	980	1710	3500	3420	2780	2250	14640
Storage.....	0	0	0	620	180	0	800
Total.....	980	1710	3500	4040	2960	2250	15440

Storage orders - July 9-August 4 for 20 cfs at headgate  
August 10-August 30 for 20 cfs at headgate

Water diverted 15440 A.F.  
Natural 14640 A.F.  
Storage 800 A.F.

Date	May	June	July	Aug.	Sept.
1	1	15	17	21	13
2	1	22	16	17	14
3	1	23	18	14	14
4	1	24	18	11	15
5	1	22	18	11	8
6	1	21	17	11	8
7	1	14	16	10	11
8	1	6	14	11	34
9	1	10	12	8	24
10	2	14	13	10	13
11	4	12	7	11	10
12	2	11	5	14	12
13	2	10	5	18	14
14	1	9	4	15	17
15	1	10	4	17	36
16	1	10	5	18	25
17	1	11	7	12	14
18	1	12	10	8	15
19	1	12	9	12	14
20	1	14	7	17	41
21	1	24	6	21	39
22	1	24	9	20	14
23	1	50	12	16	14
24	2	28	16	16	14
25	3	27	13	17	11
26	4	28	14	16	9
27	4	26	22	13	9
28	4	17	11	15	9
29	4	13	16	17	8
30	6	18	21	12	6
31	8	--	20	12	-
S.F.	64	537	382	441	485
Mean	2	18	12	14	16
Max.	0	50	22	21	41
Min.	1	6	4	8	6
A.F.	130	1070	760	870	960

DAILY DIVERSIONS OF CANALS--1979

ALLIANCE CANAL from Bayard Sugar Factory Drain  
Measured through Parshall flume--SW $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 4-20-52 W.  
Nr. Bayard. 8/10 mile south on Hiway 26, 2/10 mile west,  
2/10 mile south, 3/10 mile west, on right bank

ALLIANCE CANAL from Red Willow Creek--Measured  
through rating flume- NW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 6-20 51 W.  
Nr. Bayard. 6/10 mile south on Hiway 26, 3.7 miles  
east, 7/10 mile south, 1/10 mile east, on right bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	20	47	42	28	2
2	0	21	43	42	30	1
3	0	22	40	39	26	1
4	0	24	36	36	24	2
5	0	29	32	35	15	1
6	0	27	32	35	14	2
7	0	26	34	35	11	11
8	0	27	32	34	11	17
9	0	27	35	34	12	18
10	0	24	35	33	13	21
11	0	23	34	26	11	20
12	0	27	32	22	9	18
13	0	27	29	25	10	14
14	0	27	28	25	13	20
15	0	26	29	25	18	31
16	0	24	28	24	6	31
17	0	29	27	28	10	30
18	0	25	27	24	29	30
19	0	25	33	24	33	25
20	0	28	33	24	30	22
21	0	32	33	22	24	28
22	0	31	31	11	6	31
23	0	32	26	9	4	32
24	0	31	27	12	0	34
25	0	32	29	15	6	28
26	0	30	30	21	12	20
27	0	30	28	39	8	34
28	0	31	31	32	8	38
29	15	39	31	30	5	30
30	19	45	36	27	2	12
31	--	48	--	30	2	--
S.F.	34	889	968	860	430	612
Mean	1	29	32	23	14	20
Max.	19	48	47	42	33	38
Min.	0	20	26	9	0	1
A.F.	70	1760	1920	1710	850	1210

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

Date	Apr.	May	June	July	Aug.	Sept.
1	0	22	30	49	38	43
2	0	24	23	47	36	38
3	0	24	22	50	36	38
4	0	24	20	55	38	22
5	0	24	30	60	50	21
6	0	24	21	52	52	22
7	0	23	23	60	54	29
8	0	24	22	59	57	33
9	0	6	18	61	57	34
10	0	9	32	56	59	29
11	0	3	38	50	60	33
12	0	6	41	49	61	29
13	0	8	39	49	60	29
14	0	8	27	50	58	23
15	0	7	30	55	56	22
16	0	12	31	59	59	19
17	0	18	38	57	56	26
18	0	18	30	59	45	25
19	0	13	31	58	44	19
20	0	12	31	57	45	21
21	0	21	28	56	47	15
22	0	24	6	59	41	23
23	0	18	6	59	48	24
24	0	18	6	57	48	23
25	0	17	7	65	53	22
26	0	19	13	56	26	22
27	0	20	34	8	46	21
28	0	18	35	6	34	21
29	0	34	35	5	42	12
30	4	32	50	19	43	9
31	--	34	--	47	39	--
S.F.	4	564	797	1529	1488	747
Mean	0	18	27	49	48	25
Max.	4	34	50	65	61	43
Min.	0	3	6	5	26	9
A.F.	10	1120	1580	3030	2950	1480

Water diverted 10170 A.F.  
Acreage reported D-874, 1035 (A-1429 O.D.)-4022;  
A-1181-79; A-1432-79; A-1436-17; Total-4197



NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979

ALLIANCE IRRIGATION DISTRICT  
Summary in Acre-feet--1979

	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:							
Bayard Drain.....	70	1760	1920	1710	850	1210	7520
Red Willow.....	10	1120	1580	3030	2950	1480	10170
Total.....	80	2880	3500	4740	3800	2690	17690

Water diverted 17690 A.F.

DAILY DIVERSIONS OF CANALS--1979  
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 29, 6/10 mile  
north, 4/10 mile east, 3/10 mile south, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	75	0	90	119	124	107
2	71	0	107	119	114	100
3	70	0	111	93	113	111
4	69	0	102	117	111	112
5	66	0	96	119	106	109
6	65	0	107	118	114	111
7	62	0	106	119	126	112
8	19	0	112	119	120	114
9	0	0	112	123	117	114
10	0	0	112	121	115	114
11	0	0	112	115	117	114
12	0	0	112	115	117	114
13	0	0	113	118	119	113
14	0	9	114	118	119	105
15	0	35	115	125	119	104
16	0	56	114	130	124	104
17	0	51	119	131	120	106
18	0	52	119	130	118	100
19	0	46	120	129	115	96
20	0	33	114	130	115	86
21	0	29	117	129	117	87
22	0	24	115	129	111	97
23	0	24	115	131	112	101
24	0	43	117	129	112	99
25	0	98	117	133	114	95
26	0	101	118	135	120	93
27	0	106	120	134	119	95
28	0	104	124	136	109	90
29	0	105	121	126	112	83
30	0	92	124	131	112	83
31	0	90	---	128	115	--
S.F.	497	1098	3395	3849	3596	3069
Mean	16	35	113	124	116	102
Max.	75	106	124	136	126	114
Min.	0	0	90	93	106	83
A.F.	990	2180	6730	7630	7130	6090

Water diverted 30750 A.F.  
Acreage reported D-828-9095

DAILY DIVERSIONS OF CANALS--1979  
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 29, 6/10  
mile north, 4/10 mile east, 1/10 mile north, 2/10  
mile east, on left bank

Date	May	June	July	Aug.	Sept.
1	0	0	28	21	28
2	0	0	28	24	27
3	0	0	28	24	29
4	0	0	29	24	29
5	0	0	29	23	29
6	0	0	29	24	29
7	0	15	29	26	30
8	0	29	29	26	30
9	0	29	29	25	30
10	0	29	29	25	30
11	0	28	28	25	30
12	0	24	28	25	30
13	0	24	28	25	30
14	0	25	28	25	29
15	1	26	29	26	28
16	0	29	29	26	29
17	0	31	29	25	28
18	0	31	29	24	28
19	0	31	29	24	26
20	0	28	28	24	27
21	0	28	28	25	28
22	0	28	28	24	29
23	0	30	28	30	30
24	0	36	29	30	30
25	5	31	28	30	30
26	3	29	28	30	30
27	7	29	27	30	30
28	20	29	25	30	26
29	15	29	21	28	23
30	0	29	21	29	23
31	0	--	21	29	--
S.F.	56	680	856	806	855
Mean	2	23	28	26	28
Max.	20	36	29	30	30
Min.	0	0	21	21	23
A.F.	110	1350	1700	1600	1700

Water diverted 6460 A.F.  
Acreage reported D-858-2010; A-866-75;  
Total-2085

DISCHARGE IN SECOND-FEET OF INDIAN CREEK  
NEAR NORTHPORT--NE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 19-20-50 W.  
1.2 miles northwest on Hiway 385 to county  
road, 4/10 mile south, 8/10 mile west,  
on railroad bridge  
Water Year Ending September 30, 1979

Date	May	June	July	Aug.	Sept.
1	5	20	36	69	38
2	4	14	39	37	30
3	5	16	31	25	32
4	4	17	28	30	33
5	4	14	25	36	30
6	4	7	18	37	26
7	4	10	10	30	26
8	4	14	3	36	28
9	5	18	35	36	30
10	5	22	26	39	32
11	5	27	18	30	39
12	4	32	18	22	73
13	4	26	18	19	55
14	4	20	14	25	52
15	3	24	10	40	50
16	4	27	14	47	48
17	3	30	17	43	48
18	3	28	43	54	55
19	3	39	37	65	49
20	9	31	22	43	41
21	15	25	26	36	35
22	14	10	31	26	40
23	14	9	46	33	46
24	8	8	28	51	47
25	2	7	26	53	41
26	2	7	21	55	36
27	2	7	100	65	31
28	2	20	69	55	36
29	13	15	38	51	23
30	20	26	39	58	10
31	26	--	76	45	--
S.F.	204	570	962	1291	1160
Mean	7	19	31	42	39
Max.	26	39	100	69	73
Min.	2	7	3	19	10
A.F.	400	1130	1910	2560	2300

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 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	0	32	36	34	18
2	0	31	36	27	6
3	0	31	40	23	0
4	0	21	44	18	8
5	0	0	31	8	15
6	0	0	30	0	15
7	0	18	26	0	15
8	0	23	17	0	15
9	0	20	12	0	16
10	0	27	5	0	20
11	0	27	4	0	22
12	0	26	0	0	30
13	0	25	0	0	31
14	9	25	0	0	31
15	33	25	0	0	30
16	32	26	0	0	33
17	32	26	0	0	36
18	33	38	0	5	36
19	33	52	0	10	35
20	20	52	0	7	34
21	18	52	0	12	24
22	10	52	0	10	28
23	10	50	3	8	32
24	7	49	17	18	31
25	4	47	5	19	31
26	0	44	2	16	27
27	11	43	10	26	26
28	22	36	24	30	26
29	35	35	23	22	7
30	33	36	23	18	0
31	33	--	35	18	-
S. F.	375	969	423	329	678
Mean	12	32	14	11	23
Max.	35	52	44	34	36
Min.	0	0	0	0	0
A. F.	740	1920	840	650	1340

Water spilled 5490 A.F.

DAILY DIVERSIONS OF CANALS--1979  
 BELMONT CANAL from Cedar Creek--Measured  
 through rating flume--NE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 23-18-48 W.  
 Nr. Broadwater. 1.1 miles south on Hiway 92  
 to junction, 5 miles south on county road,  
 2.5 miles east to right bank, 9/10 mile south

Date	May	June	July	Aug.	Sept.
1	0	0	0	7	7
2	0	0	0	6	7
3	0	0	0	6	7
4	0	0	0	5	7
5	0	0	0	5	7
6	0	0	0	5	8
7	0	0	0	5	8
8	0	0	0	4	8
9	0	0	0	3	8
10	0	0	2	3	8
11	0	0	6	3	8
12	0	0	6	4	8
13	0	0	6	4	8
14	0	0	6	5	8
15	0	0	6	6	8
16	0	0	7	6	8
17	0	0	7	6	8
18	0	0	7	10	8
19	0	0	7	0	9
20	0	0	6	0	9
21	0	0	6	0	9
22	0	0	7	3	8
23	0	0	7	6	7
24	0	0	6	6	7
25	0	0	7	6	7
26	0	0	6	6	7
27	0	0	8	6	8
28	0	0	8	6	8
29	0	0	8	6	8
30	0	0	7	6	8
31	0	-	7	6	-
S. F.	0	0	145	150	234
Mean	0	0	5	5	8
Max.	0	0	8	10	9
Min.	0	0	0	0	7
A. F.	0	0	290	300	460

Water diverted 1050 A.F.

DAILY DIVERSIONS OF CANALS--1979

BELMONT CANAL  
 Summary in Acre-Feet--1979

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:							
North Platte River....	990	2180	6730	7060	7110	6090	30160
Cedar Creek.....	0	0	0	290	300	460	1050
Total natural.....	990	2180	6730	7350	7410	6550	31210
Total storage.....	0	0	0	570	20	0	590

Storage orders--July 15-August 1 for 20 cfs at headgate

Water diverted 31800 A.F.  
 Natural 31210 A.F.  
 Storage 590 A.F.

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF DUGOUT CREEK, UPPER  
 NEAR NORTHPORT--SE $\frac{1}{2}$ SE $\frac{1}{2}$  Sec. 20-20-50 W.  
 7/10 mile northwest on Hiway 385, Staff 50 feet above bridge  
 Water Year Ending September 30, 1979

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	10	8.4	7.4	5.4	4.7	4.1	3.2	18	46	34	49
2	32	10	8.8	7.9	6.0	4.7	3.8	3.2	7.9	39	38	32
3	26	10	8.4	6.6	5.0	4.4	4.1	3.2	17	17	41	23
4	22	10	8.4	6.6	4.7	4.4	3.5	3.2	16	14	39	19
5	16	9.3	8.4	6.4	4.4	4.1	3.5	2.9	10	24	24	18
6	12	9.3	8.4	6.2	4.4	4.1	3.5	2.3	8.4	21	12	17
7	13	9.3	8.4	6.2	4.4	4.1	3.2	2.6	7.1	25	10	19
8	13	9.3	8.0	6.2	4.7	4.1	3.2	3.5	13	25	11	19
9	13	9.3	7.9	6.2	5.0	3.8	3.2	3.5	46	21	14	19
10	13	9.3	7.5	6.2	5.7	3.8	3.8	3.5	43	15	18	23
11	13	9.3	7.5	6.2	6.2	3.8	4.4	2.9	43	8.5	19	30
12	11	9.3	7.1	5.7	7.1	3.8	3.8	2.3	46	15	17	52
13	11	9.3	7.1	6.2	7.1	3.8	3.5	2.3	52	14	21	63
14	11	9.3	7.1	6.4	7.5	3.8	3.5	2.0	52	14	15	70
15	11	9.3	7.1	6.6	7.6	3.8	3.5	23	50	17	8.5	72
16	11	9.3	7.1	6.6	7.6	3.8	3.5	70	53	17	7.9	64
17	11	9.3	7.1	6.6	6.6	3.8	3.5	46	59	18	12	61
18	11	9.3	7.1	6.6	5.7	4.7	3.5	62	61	11	30	59
19	11	9.3	7.1	6.6	6.6	4.7	3.2	42	61	7.0	30	42
20	11	9.3	7.1	6.6	7.1	4.7	2.9	28	58	6.4	39	28
21	11	9.3	7.1	6.6	5.7	4.7	2.3	8.8	61	12	45	26
22	12	9.3	7.1	5.7	5.0	5.3	2.3	5.0	54	17	46	27
23	11	8.8	7.1	6.2	5.0	4.7	2.3	7.9	41	19	42	25
24	11	8.8	7.1	5.7	4.7	4.7	2.6	14	28	26	36	23
25	11	8.8	7.1	5.7	4.7	4.1	3.2	11	18	32	39	22
26	10	8.8	7.1	5.7	4.7	4.1	3.2	5.7	20	33	36	19
27	11	8.8	7.1	5.2	4.7	3.5	3.2	4.7	13	42	32	17
28	11	8.8	7.1	5.4	4.7	3.2	3.2	8.4	9.0	14	42	19
29	11	8.4	7.0	5.7	---	3.5	3.2	48	16	14	48	12
30	9.7	8.4	7.0	5.2	---	3.5	3.2	36	48	23	45	12
31	9.7	---	7.0	5.0	---	4.1	---	30	---	29	40	---
S.F.	426.4	227.0	231.8	192.1	158.0	128.3	99.9	491.1	1029.4	635.9	891.4	981
Mean	13.8	9.2	7.5	6.2	5.6	4.1	3.3	15.8	34.3	20.5	28.8	32.7
Max.	36	10	8.8	7.9	7.6	4.7	4.4	70	61	46	48	72
Min.	9.7	8.4	7.0	5.0	4.4	3.2	2.3	2.0	7.1	6.4	7.9	12
A.F.	850	550	460	380	310	250	200	970	2040	1260	1770	1950
Total acre-feet 10990 A.F.												

DAILY DIVERSIONS OF CANALS--1979  
 BROWNS CREEK CANAL from North Platte River--Measured  
 through Parshall flume--NW $\frac{1}{4}$ 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	25	0	28	42	17	34
2	24	0	31	40	19	32
3	22	0	36	39	24	32
4	18	0	41	39	35	33
5	0	0	46	38	51	32
6	0	0	48	41	71	33
7	0	0	48	46	80	32
8	0	0	48	47	83	32
9	0	1	49	42	89	32
10	0	3	48	66	91	31
11	0	2	48	80	90	29
12	0	2	50	89	90	22
13	0	3	45	90	90	19
14	0	4	36	98	90	18
15	0	3	34	98	91	18
16	0	2	37	100	89	15
17	0	9	38	97	88	12
18	0	5	39	94	80	12
19	0	6	34	95	61	13
20	0	16	30	97	52	16
21	0	16	30	96	30	19
22	0	15	31	97	26	18
23	0	24	34	95	25	16
24	0	34	32	72	22	17
25	0	32	30	69	25	16
26	0	28	31	72	30	17
27	0	26	34	6	29	17
28	0	31	39	21	33	16
29	0	37	40	21	34	20
30	0	36	42	20	32	24
31	0	37	---	17	32	---
S.F.	89	372	1157	1964	1699	677
Mean	3	12	39	63	55	23
Max.	25	37	50	100	91	34
Min.	0	0	28	6	17	12
A.F.	180	740	2290	3900	3370	1340
Water diverted 11820 A.F.						

Acreage reported D-857, 1033-6163

DAILY DIVERSIONS OF CANALS--1979

BROWNS CREEK CANAL Summary in Acre-feet--1979							
Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	180	740	2290	3710	3370	1340	11630
Storage.....	0	0	0	190	0	0	190
Total.....	180	740	2290	3900	3370	1340	11820
Storage orders - July 14-15 for 10 cfs at headgate July 16-30 for 18 cfs at headgate July 31-August 3 for 5 cfs at headgate							
Water diverted 11820 A.F.							
Natural 11630 A.F.							
Storage 190 A.F.							

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 COURT HOUSE ROCK CANAL from Pumpkinseed Creek--Measured  
 through rating flume--SE $\frac{1}{4}$ 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	8	7	10	12
2	6	0	8	6	10	10
3	6	0	8	5	8	7
4	6	0	8	6	5	4
5	6	0	5	6	1	7
6	6	0	5	7	5	7
7	6	0	3	7	9	7
8	6	0	7	6	10	7
9	5	0	10	5	7	7
10	5	0	8	5	4	6
11	5	0	6	4	2	6
12	5	0	6	4	5	5
13	5	0	4	5	7	4
14	5	0	1	4	6	2
15	5	0	1	4	4	1
16	4	0	8	4	4	1
17	2	0	9	5	5	1
18	0	0	7	4	9	1
19	0	0	5	3	7	0
20	0	0	2	2	7	1
21	0	0	0	3	7	1
22	0	0	4	4	6	1
23	0	0	4	2	8	1
24	0	0	1	1	9	2
25	0	0	0	8	9	2
26	0	0	5	7	10	4
27	0	0	12	2	9	6
28	0	0	12	0	4	5
29	0	5	10	1	4	3
30	0	8	8	7	2	4
31	0	8	-	9	4	-
S.F.	89	21	180	143	197	125
Mean	3	1	6	5	6	4
Max.	6	8	12	9	10	12
Min.	0	0	0	0	1	0
A.F.	180	40	360	280	390	250

Water diverted 1500 A.F.  
 Acreage reported D-840, 1028-1422; A-851-22;  
 A-2315-5; Total-1449

DAILY DIVERSIONS OF CANALS--1979  
 LAST CHANCE CANAL from Pumpkinseed Creek--Measured  
 through rating flume--SE $\frac{1}{4}$ 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 mile east, 2/10 mile  
 north on gravel road, east through farmyard, 6/10 mile  
 northeast along fence, 2/10 mile to shelter

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	3	0	0	0	3	0	3
2	3	0	0	0	3	0	3
3	3	0	0	0	3	0	3
4	3	0	0	0	3	0	3
5	3	0	0	0	1	0	3
6	3	0	0	0	0	0	3
7	3	0	0	0	0	3	3
8	3	0	0	0	0	2	3
9	3	0	0	0	0	2	3
10	3	0	0	0	0	0	3
11	3	0	0	0	0	0	4
12	3	0	0	0	0	0	5
13	4	0	0	0	0	0	5
14	4	0	0	0	0	0	2
15	4	0	0	0	0	3	0
16	4	0	0	0	0	2	0
17	4	0	0	0	0	0	0
18	4	0	0	0	0	0	0
19	4	0	0	0	0	0	0
20	4	0	0	0	0	0	0
21	4	1	0	0	0	0	3
22	4	0	0	0	0	1	3
23	4	0	0	0	0	4	2
24	4	0	0	0	0	4	2
25	4	0	0	0	0	3	2
26	4	0	0	0	0	3	2
27	4	0	0	1	0	3	2
28	4	0	0	1	0	3	2
29	4	0	0	2	0	3	2
30	4	0	0	3	0	4	2
31	2	-	0	-	0	4	-
S.F.	110	1	0	7	13	44	68
Mean	4	0	0	0	0	1	2
Max.	4	1	0	3	3	4	5
Min.	2	0	0	0	0	0	0
A.F.	220	0	0	10	30	90	130

Water diverted 480 A.F.  
 Acreage reported D-883-176

DAILY DIVERSIONS OF CANALS--1979  
 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	2	5	0
2	0	0	4	4	0
3	0	0	6	4	0
4	0	0	7	4	0
5	0	0	8	4	0
6	0	0	7	4	0
7	0	0	7	4	0
8	0	0	7	4	0
9	0	0	6	4	0
10	0	0	6	4	0
11	0	0	5	5	0
12	0	0	5	5	0
13	0	0	5	5	0
14	0	0	5	5	0
15	0	0	5	5	0
16	0	0	5	4	0
17	0	0	5	4	0
18	0	0	5	5	0
19	0	0	5	5	0
20	0	0	5	4	0
21	0	0	6	4	0
22	0	0	5	4	0
23	0	0	5	4	0
24	2	0	6	4	0
25	3	0	5	4	0
26	3	2	5	3	0
27	3	3	5	3	0
28	3	3	6	3	0
29	3	2	6	3	0
30	2	2	5	3	0
31	1	-	5	1	-
S.F.	20	12	169	124	0
Mean	1	0.4	5	4	0
Max.	3	3	8	5	0
Min.	0	0	2	1	0
A.F.	40	20	340	250	0

Water diverted 650 A.F.  
 Water diverted D-876-336

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF SILVERNAIL DRAIN  
 NEAR BRIDGEPORT--NW¼SE¼ Sec. 6-19-49 W.  
 1 mile north, 5 miles east on Hiway 26, on downstream end of bridge  
 Water Year Ending September 30, 1979

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	7.6	7.2	7.1	5.9	6.1	6.1	5.0	18	21	17	36
2	25	7.6	7.1	7.1	5.9	6.1	5.7	5.0	8.5	18	22	32
3	20	7.6	7.0	7.1	5.9	5.7	5.7	5.0	11	17	20	31
4	15	7.6	6.9	7.0	5.9	5.4	5.4	4.8	12	17	17	28
5	10	7.7	6.9	7.0	6.6	5.4	5.2	4.6	5.4	20	18	19
6	8.9	7.8	6.9	6.9	6.6	5.7	5.2	4.3	5.2	22	16	13
7	8.9	7.9	6.9	6.9	6.8	5.4	5.2	4.8	8.0	23	16	9.8
8	8.9	8.0	7.0	6.8	6.3	5.4	5.2	4.9	13	20	13	9.0
9	8.8	8.0	7.0	6.8	6.3	5.4	5.2	4.6	25	16	5.2	19
10	8.8	8.0	7.0	6.7	6.3	5.4	5.2	4.8	28	16	5.9	33
11	8.5	8.0	7.1	6.6	6.3	5.7	5.4	5.2	23	13	15	46
12	8.5	7.9	7.1	6.6	6.3	5.7	5.2	5.2	20	9.3	19	52
13	8.4	7.9	7.2	6.6	6.3	5.7	5.2	5.2	22	6.6	16	47
14	8.4	7.8	7.2	6.6	6.3	5.7	5.2	5.4	20	7.1	18	51
15	8.3	7.8	7.2	6.6	5.9	5.7	5.4	5.2	23	10	18	58
16	8.2	7.7	7.2	6.6	5.9	5.7	5.4	5.4	22	16	24	60
17	8.2	7.7	7.1	6.3	5.7	5.4	5.4	33	25	14	19	48
18	8.2	7.7	7.1	6.3	5.7	6.1	5.4	27	27	12	15	48
19	8.1	7.6	7.0	6.3	6.3	5.9	5.9	21	26	9.6	16	48
20	8.1	7.5	7.0	6.6	7.8	5.9	5.9	20	26	8.3	20	41
21	8.0	7.4	7.0	6.6	6.6	5.9	5.2	28	30	10	31	40
22	8.0	7.4	7.0	6.6	6.3	6.1	5.0	33	28	6.1	35	41
23	7.9	7.4	7.0	6.6	6.3	6.1	5.0	28	23	12	33	40
24	7.9	7.4	7.0	6.1	6.1	5.9	5.0	22	20	20	24	40
25	7.8	7.5	7.0	6.1	6.3	5.9	5.0	16	15	20	36	26
26	7.8	7.5	7.0	6.1	6.6	5.9	5.0	14	12	40	34	14
27	7.8	7.5	7.1	6.1	6.3	5.9	5.0	11	11	46	35	14
28	7.8	7.5	7.1	5.9	6.1	5.7	5.0	5.7	6.8	22	39	27
29	7.7	7.4	7.1	6.3	---	6.1	5.0	27	6.1	25	36	8.0
30	7.7	7.3	7.1	5.9	---	6.1	5.0	16	22	21	37	7.5
31	7.7	---	7.1	5.9	---	6.1	---	15	---	16	42	---
S.F.	313.3	229.7	218.6	202.7	175.6	179.2	158.7	396.1	542	534	712.1	986.3
Mean	10.1	7.7	7.1	6.5	6.3	5.8	5.3	12.8	18.1	17.2	23.0	32.9
Max.	30	8.0	7.2	7.1	7.8	6.1	6.1	33	30	46	42	60
Min.	7.7	7.3	6.9	5.9	5.7	5.4	5.0	4.3	5.2	6.1	5.2	7.5
A.F.	620	460	430	400	350	360	310	790	1080	1060	1410	1960
Total acre-feet	9230 A.F.											

DAILY DIVERSIONS OF CANALS--1979  
 BEERLINE CANAL from North Platte River--Measured  
 through rating flume--NW¼NW¼ Sec. 24-19-49 W.  
 Nr. Broadwater, 3¼ miles west on Hiway 26, 1/10  
 mile south, 4/10 mile east, 1/10 mile south

Date	May	June	July	Aug.	Sept.
1	0	15	7	4	7
2	0	14	8	4	7
3	0	12	10	6	7
4	0	11	8	8	7
5	0	10	8	6	6
6	0	10	12	7	4
7	0	10	12	16	2
8	0	10	10	17	1
9	0	11	10	16	2
10	0	11	9	15	3
11	0	11	6	15	6
12	0	11	4	15	10
13	0	8	5	14	11
14	0	7	8	14	11
15	0	6	8	16	12
16	0	7	10	17	12
17	0	7	11	17	5
18	0	7	12	14	2
19	0	8	12	14	2
20	0	9	11	15	2
21	0	8	10	16	1
22	0	8	10	16	1
23	0	8	11	16	1
24	0	6	10	13	1
25	0	6	8	13	0
26	0	5	9	17	0
27	5	4	6	17	0
28	11	4	5	17	0
29	14	5	5	16	0
30	14	7	4	13	0
31	15	-	4	9	-
S.F.	59	256	265	413	123
Mean	2	9	9	13	4
Max.	15	15	12	17	12
Min.	0	4	4	4	0
A.F.	120	510	530	820	240
Water diverted	2220 A.F.				
Acreeage reported	D-887-2080				

DAILY DIVERSIONS OF CANALS--1979

BEERLINE CANAL  
 Summary in Acre-feet--1979

Diverted	May	June	July	Aug.	Sept.	Total
Natural.....	120	510	530	820	240	2220
Storage.....	0	0	0	0	0	0
Total.....	120	510	530	820	240	2220

No storage ordered for 1979 water year

Water diverted 2220 A.F.

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF CEDAR CREEK NEAR  
BROADWATER--SE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 11-18-48 W.  
1.1 miles south on Hiway 92 to junction, 3/10 mile south on county road  
Water Year Ending September 30, 1979

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.0	7.0	10	8.0	8.0	11	11	10	19	12	0.70	1.2
2	8.0	7.0	8.0	7.0	8.0	11	11	9.9	17	12	.44	1.0
3	9.0	6.7	9.0	6.0	8.0	11	11	9.9	22	6.8	.70	.78
4	10	6.4	10	5.0	9.0	11	10	9.6	21	6.3	.52	.78
5	11	6.4	14	5.0	10	11	10	9.4	16	6.3	.38	.70
6	11	6.4	11	6.0	12	11	10	9.4	17	6.0	.30	.62
7	11	6.4	12	7.0	12	11	10	8.2	14	6.1	.27	.70
8	10	6.2	11	8.0	12	11	10	9.0	14	6.0	.27	.62
9	10	6.2	11	8.0	13	11	10	9.0	17	5.6	.27	.62
10	10	6.6	11	8.0	13	11	10	9.0	19	3.9	.27	.70
11	9.0	6.7	11	9.0	13	11	12	8.8	18	.78	.20	1.1
12	9.0	7.0	11	8.0	13	10	12	8.6	17	.52	.20	2.2
13	8.0	7.0	12	8.0	12	11	12	9.1	14	.52	.16	2.4
14	8.0	7.1	12	9.0	11	11	12	9.0	15	.52	.18	4.9
15	7.0	7.2	11	10	11	10	11	9.1	14	.44	.20	12
16	7.0	7.1	11	11	13	10	11	9.1	14	.48	.18	14
17	7.0	7.1	12	12	14	10	11	9.1	15	.38	.18	15
18	7.0	7.1	11	12	12	11	10	9.4	17	.34	31	16
19	7.0	7.0	11	12	12	11	11	9.9	15	.34	13	15
20	7.0	7.0	11	12	13	11	11	9.9	15	.34	11	15
21	7.0	9.0	12	11	12	11	10	9.2	14	.30	9.8	14
22	7.0	9.5	11	11	11	11	11	9.2	12	.41	1.8	16
23	7.0	9.8	11	10	11	11	11	8.5	14	.44	2.0	18
24	7.0	9.8	11	11	11	11	10	8.3	18	.41	2.0	20
25	7.0	10	11	11	11	11	10	8.2	19	.38	2.0	18
26	7.0	10	11	12	11	11	10	26	17	.62	2.0	15
27	7.0	10	13	10	10	11	10	27	15	2.8	1.8	15
28	7.0	10	12	8.0	10	11	10	25	12	2.4	1.6	16
29	7.0	10	11	7.0	--	11	10	20	14	3.1	1.3	14
30	7.0	10	10	7.0	--	11	10	22	12	2.8	1.2	16
31	7.0	--	9.0	7.0	--	11	--	20	--	3.4	1.3	--
S.F.	251	233.7	342	276	316	337	318	368.8	477	92.72	87.22	267.32
Mean	8.1	7.8	11	8.9	11.3	10.9	10.6	11.9	15.9	3.0	2.8	8.9
Max.	11	10	14	12	14	11	12	27	22	12	31	20
Mfn.	7.0	6.2	8.0	5.0	8.0	10	10	8.2	12	0.30	0.16	0.62
A.F.	500	460	680	550	630	670	630	730	950	180	170	530
Total acre-feet	6680 A.F.											

DAILY DIVERSIONS OF CANALS--1979  
LISCO CANAL from North Platte River--Measured  
over weir--NW $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 24-18-47 W.  
Nr. Lisco. 2.6 miles west on Hiway 26, 5/10  
mile south, 3/10 mile east on right canal bank

Date	Oct.	May	June	July	Aug.	Sept.
1	24	0	0	33	52	40
2	22	0	3	33	50	44
3	16	0	18	28	44	41
4	17	0	18	25	49	49
5	19	0	7	28	36	51
6	18	0	1	36	36	49
7	16	0	4	33	50	45
8	16	0	25	30	49	45
9	16	0	31	37	48	45
10	18	0	39	46	49	46
11	22	0	45	35	49	49
12	28	0	44	44	46	45
13	30	0	41	46	56	41
14	29	0	35	61	52	42
15	27	0	35	63	53	46
16	26	0	35	52	48	37
17	23	0	37	53	34	28
18	21	0	35	61	46	28
19	19	0	32	51	46	18
20	18	0	37	42	41	7
21	18	0	60	42	45	22
22	3	0	46	52	45	36
23	0	0	43	50	45	36
24	0	0	39	44	45	35
25	0	0	27	40	45	32
26	0	0	22	53	61	30
27	0	0	14	42	45	32
28	0	0	10	42	41	33
29	0	0	13	35	38	28
30	0	0	20	56	44	26
31	0	0	--	58	40	--
S.F.	446	0	816	1351	1428	1106
Mean	15	0	27	44	46	37
Max.	30	0	60	63	61	51
Mfn.	0	0	0	25	34	7
A.F.	880	0	1620	2680	2830	2190
Water diverted	10200 A.F.					
Acreage reported	D-787R-1402; D-856-1385; A-243R-783; A-991-216; A-4658-112; A-5572-98; Total-3996					

DISCHARGE IN SECOND-FEET OF COLD WATER CREEK  
NEAR LISCO--NE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 34-18-46 W.  
6/10 mile east on Hiway 26, on downstream end  
of bridge  
Water Year Ending September 30, 1979

Date	May	June	July	Aug.	Sept.
1	4	4	3	2	2
2	4	4	3	2	2
3	4	4	3	2	2
4	4	4	4	2	2
5	4	4	5	2	2
6	4	4	4	2	2
7	4	4	4	2	2
8	5	4	3	2	2
9	5	4	3	2	2
10	5	4	3	2	2
11	4	4	3	2	2
12	4	4	3	2	3
13	4	4	3	2	2
14	4	4	2	2	3
15	4	4	1	2	2
16	4	4	1	2	2
17	4	4	1	2	2
18	4	4	1	2	2
19	4	4	1	2	3
20	4	4	1	2	3
21	4	4	1	2	3
22	4	4	1	2	3
23	4	4	1	2	3
24	4	4	1	2	3
25	4	4	2	2	4
26	4	4	2	2	4
27	4	4	2	2	4
28	4	4	2	2	4
29	4	4	2	2	4
30	4	4	2	2	4
31	4	--	2	2	--
S.F.	127	120	70	62	80
Mean	4	4	2	2	3
Max.	5	4	5	2	4
Min.	4	4	1	2	2
A.F.	250	240	140	120	160

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 MIDLAND-OVERLAND CANAL from North Platte River--Measured through Parshall flume--NE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 2-16-44 W. Nr. Oshkosh. 1/5 mile east on Hiway 26 to farm road, 3/10 mile west, 5/10 mile south, 4/10 mile southwest, 1/10 mile east

Date	May	June	July	Aug.	Sept.
1	0	6	6	12	5
2	0	8	7	12	4
3	0	7	7	12	4
4	0	6	7	12	4
5	0	5	6	11	4
6	0	4	4	12	4
7	0	4	4	10	4
8	0	6	4	10	4
9	0	7	7	16	4
10	0	5	4	16	4
11	0	2	5	14	4
12	0	3	4	13	5
13	0	2	0	12	6
14	0	2	2	13	7
15	0	2	0	16	6
16	0	3	3	12	4
17	0	3	10	12	5
18	0	4	12	15	5
19	0	4	14	16	4
20	0	4	10	16	3
21	0	5	10	16	4
22	0	2	9	13	4
23	0	0	10	11	4
24	0	0	11	7	4
25	0	4	11	5	3
26	0	5	10	6	3
27	0	4	10	8	3
28	0	4	11	8	4
29	0	3	8	8	4
30	0	2	7	7	0
31	4	-	7	6	-
S. F.	4	116	220	357	123
Mean	0	4	7	12	4
Max.	4	8	14	16	7
Min.	0	0	0	5	0
A. F.	10	230	440	710	240

Water diverted 1630 A.F.  
 Acreage reported D-789-1000; D-791-1104; D-800 (A-1742 O.D.)-154; Total-2258

DAILY DIVERSIONS OF CANALS--1979  
 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	23	0	18	17	17	18
2	23	0	14	17	16	17
3	24	0	13	16	16	18
4	24	0	15	16	15	16
5	24	0	16	17	14	17
6	25	0	16	16	14	16
7	26	0	17	13	11	16
8	20	0	11	16	4	16
9	12	0	10	16	1	16
10	11	0	9	11	0	15
11	14	0	4	6	0	16
12	15	0	10	0	0	20
13	16	0	14	0	0	16
14	14	0	16	0	0	17
15	8	0	16	0	7	19
16	8	0	16	0	12	18
17	9	0	18	8	12	18
18	6	15	17	11	13	18
19	5	3	16	13	14	18
20	6	3	15	12	14	19
21	7	6	14	11	14	18
22	7	9	15	11	13	16
23	3	14	16	12	12	16
24	2	14	16	18	11	17
25	0	14	16	14	8	17
26	0	18	16	11	9	18
27	0	19	16	15	10	19
28	0	19	16	13	12	19
29	0	20	16	10	10	19
30	0	26	16	11	9	20
31	0	22	--	18	15	--
S. F.	332	202	438	349	303	523
Mean	11	7	15	11	10	17
Max.	26	26	18	18	17	20
Min.	0	0	4	0	0	15
A. F.	660	400	870	690	600	1040

Water diverted 4260 A.F.  
 Acreage reported D-800-831; A-515-95; A-1738-176; Total-1102

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. 2, 1978	1280	-160
Oct. 30, 1978	1280	0
Nov. 30, 1978	2120	840
Febr. 23, 1979	1040	-1080
Mar. 27, 1979	1550	510
May 4, 1979	2480	930
June 4, 1979	2580	100
July 2, 1979	2500	-80
Aug. 6, 1979	2260	-240
Sept. 5, 1979	1340	-920

Change in Storage since September 1, 1978 -100

DAILY DIVERSIONS OF CANALS--1979  
 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	18	0	0	22	26	17
2	17	0	1	24	24	17
3	15	0	1	22	22	16
4	14	0	1	24	24	16
5	13	0	1	26	27	18
6	12	0	1	31	34	16
7	12	0	2	27	38	16
8	12	0	2	30	38	15
9	14	0	3	36	43	14
10	12	0	3	35	47	15
11	0	0	4	35	47	16
12	0	0	4	40	39	22
13	0	0	5	39	36	21
14	0	0	6	39	35	0
15	0	0	9	39	28	0
16	0	0	11	36	19	0
17	0	0	16	35	14	0
18	0	0	18	33	17	1
19	0	0	20	30	20	11
20	0	0	25	24	26	25
21	0	0	22	24	32	26
22	0	0	22	29	33	26
23	0	0	22	29	32	28
24	0	0	22	39	33	36
25	0	0	23	36	29	36
26	0	0	24	33	25	35
27	0	0	22	33	22	32
28	0	0	22	34	28	27
29	0	7	20	27	32	27
30	0	0	20	24	24	26
31	0	0	--	28	20	--
S. F.	139	7	352	963	914	555
Mean	4	0	12	31	29	19
Max.	18	7	25	40	47	36
Min.	0	0	0	22	20	0
A. F.	280	10	700	1910	1810	1100

Water diverted 5810 A.F.  
 Acreage reported D-785-2449; D-795-355; A-1154-30; Total-2834

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 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	10	0	0	8	10	10
2	11	0	0	8	11	10
3	11	0	0	8	10	9
4	11	0	0	8	9	9
5	11	0	0	8	9	11
6	11	0	0	10	9	10
7	11	0	0	11	10	11
8	6	0	0	5	11	10
9	5	0	0	7	10	10
10	5	0	0	11	9	8
11	6	0	0	12	9	10
12	7	0	0	12	11	11
13	7	0	0	13	9	11
14	8	0	7	13	11	7
15	3	0	10	12	11	8
16	0	0	10	13	6	8
17	0	0	11	13	6	10
18	0	0	10	12	10	8
19	0	0	8	12	9	7
20	0	0	2	12	9	8
21	0	0	6	12	7	9
22	0	0	11	11	7	9
23	0	0	11	11	9	12
24	0	0	11	11	9	5
25	0	0	12	11	10	3
26	0	0	12	11	10	3
27	0	0	12	12	10	7
28	0	0	12	12	10	5
29	0	0	7	9	9	9
30	0	0	7	9	10	9
31	0	0	-	8	11	-
S.F.	123	0	159	325	291	257
Mean	4	0	5	10	9	9
Max.	11	0	12	13	11	12
Min.	0	0	0	5	6	3
A.F.	240	0	320	640	580	510

Water diverted 2290 A.F.  
 Acreage reported D-781R (Pet. 410)-872

DAILY DIVERSIONS OF CANALS--1979  
 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.	May	June	July	Aug.	Sept.
1	7	0	16	14	21	14
2	7	0	10	14	21	17
3	7	0	8	14	18	17
4	7	0	10	13	18	17
5	7	0	14	13	16	17
6	8	0	15	12	14	18
7	6	0	16	8	14	19
8	5	0	17	7	18	20
9	6	0	17	8	19	20
10	8	0	17	14	18	16
11	9	0	6	16	17	12
12	9	0	1	8	18	10
13	9	0	5	5	18	8
14	9	0	5	11	19	4
15	10	0	4	13	20	4
16	10	0	6	17	18	5
17	10	0	10	17	18	3
18	10	0	11	13	18	2
19	0	0	8	12	17	3
20	0	0	5	14	17	3
21	0	0	4	13	19	5
22	0	0	8	11	18	5
23	0	0	10	11	18	3
24	0	0	10	14	17	6
25	0	0	10	13	17	10
26	0	0	10	14	12	10
27	0	0	10	18	12	11
28	0	1	10	17	11	12
29	0	7	10	16	11	13
30	0	10	14	16	13	12
31	0	15	--	20	13	--
S.F.	146	33	297	406	518	316
Mean	5	1	10	13	17	11
Max.	10	15	17	20	21	20
Min.	0	0	1	5	11	2
A.F.	290	70	590	800	1030	630

Water diverted 3410 A.F.  
 Acreage reported D-763-1306

DAILY DIVERSIONS OF CANALS--1979  
 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.	May	June	July	Aug.	Sept.
1	7	0	0	5	2	9
2	7	0	0	4	2	7
3	7	0	0	6	5	7
4	8	0	0	7	9	8
5	7	0	0	7	3	7
6	7	0	0	7	8	5
7	7	0	0	5	6	0
8	2	0	0	3	6	0
9	1	0	0	5	12	1
10	2	0	0	6	10	4
11	5	0	0	9	7	4
12	4	0	3	11	11	4
13	2	0	2	13	12	3
14	2	0	2	9	12	1
15	1	0	1	9	10	1
16	0	0	1	8	10	1
17	0	0	4	10	10	2
18	0	0	4	10	11	9
19	0	0	4	11	13	9
20	0	0	4	11	13	9
21	0	0	4	13	12	12
22	0	0	5	13	11	12
23	0	0	6	13	12	5
24	0	0	4	13	12	0
25	0	0	8	13	13	0
26	0	0	9	12	7	0
27	0	0	9	14	3	0
28	0	0	9	11	5	0
29	0	0	7	7	7	0
30	0	0	6	2	10	0
31	0	0	-	2	12	-
S.F.	69	0	92	269	281	120
Mean	2	0	3	9	9	4
Max.	8	0	9	14	13	12
Min.	0	0	0	2	2	0
A.F.	140	0	180	530	560	240

Water diverted 1650 A.F.  
 Acreage reported D-763R-85; D-788-689; Total-774



## NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 SUTHERLAND CANAL from North Platte River for Storage and Power  
 Measured through concrete lined section of canal NW $\frac{1}{4}$ NW $\frac{1}{4}$  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	282	646	634	737	749	477	381	364	417	299	1580	425
2	303	747	674	730	749	483	376	360	497	416	1570	426
3	325	836	680	730	749	483	375	386	598	470	1560	430
4	373	899	674	701	740	484	378	463	656	552	1450	413
5	410	899	662	704	747	485	372	522	703	537	1410	372
6	480	910	632	728	740	449	371	533	600	494	1420	366
7	474	915	658	745	737	403	375	523	555	498	1470	373
8	478	903	680	768	733	385	366	532	564	495	1480	373
9	484	903	720	715	737	380	366	558	532	490	1460	369
10	501	915	672	698	735	375	367	558	467	481	1510	369
11	499	917	656	691	728	373	384	549	398	508	1540	413
12	502	922	656	683	718	373	372	548	316	606	1550	415
13	508	933	653	701	722	372	341	542	232	725	1550	394
14	508	919	656	706	722	364	352	543	207	850	1560	381
15	505	921	656	710	720	366	352	542	191	995	1590	395
16	504	915	656	708	723	369	346	544	185	1160	1580	403
17	506	921	654	706	735	372	345	495	202	1270	1560	400
18	502	913	654	704	728	378	346	337	194	1440	1560	403
19	506	919	651	706	704	384	355	268	186	1540	1560	408
20	499	926	661	698	642	369	346	250	166	1640	1600	407
21	492	931	658	693	602	372	342	239	167	1710	1600	412
22	501	897	662	691	537	390	346	216	166	1760	1450	413
23	513	840	690	713	467	373	353	204	176	1800	1350	412
24	508	827	698	750	476	364	359	194	175	1770	1210	421
25	506	829	699	738	480	364	363	194	173	1740	1080	425
26	508	843	698	742	476	365	360	216	129	1760	931	419
27	504	841	698	744	476	369	359	218	91	1800	798	416
28	511	804	701	747	478	371	361	217	91	1760	682	424
29	509	723	703	742	---	372	361	218	105	1640	504	415
30	511	701	703	750	---	377	358	258	186	1580	480	420
31	526	---	710	747	---	377	---	365	---	1530	480	---
S. F.	14738	26015	20864	22326	18550	12218	10828	11956	9325	34366	41125	12112
Mean	475	867	673	720	662	394	361	386	311	1109	1327	404
Max.	526	933	720	768	749	485	384	558	703	1800	1600	430
Min.	282	646	632	683	467	364	341	194	91	299	480	366
A. F.	29230	51600	41380	44280	36790	24230	21480	23710	18500	68160	81570	24020
Water diverted	464950	A. F.										

DAILY DIVERSIONS OF CANALS--1979  
 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	May	June	July	Aug.	Sept.
1	0	51	66	51	90
2	0	49	39	84	92
3	0	56	68	84	94
4	0	64	68	81	97
5	0	63	61	79	99
6	0	62	61	104	99
7	0	61	69	103	96
8	0	61	72	103	88
9	0	61	74	100	90
10	0	72	75	101	90
11	0	68	82	107	90
12	0	64	84	106	88
13	0	68	90	104	80
14	0	34	97	94	72
15	20	74	96	83	71
16	41	71	96	90	69
17	39	30	96	104	65
18	31	45	96	56	64
19	31	58	96	84	64
20	31	60	97	84	64
21	30	57	97	82	64
22	29	59	98	82	64
23	34	65	101	82	64
24	42	64	103	82	64
25	58	67	105	86	58
26	58	72	97	86	54
27	68	69	67	84	55
28	68	49	68	34	54
29	69	74	71	85	55
30	44	72	78	84	31
31	44	---	67	87	---
S. F.	737	1820	2535	2726	2225
Mean	24	61	82	88	74
Max.	69	74	105	107	99
Min.	20	30	39	51	31
A. F.	1460	3610	5030	5410	4410
Water diverted	19920	A. F.			
Acreege	D-722-5968				

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979

SHERIDAN-WILSON CANAL from North Platte  
Measured through section of canal--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

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

Water diverted 0 A.F.  
Acreage reported D-710-918

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 Hiway 30

Date	May	June	July	Aug.	Sept.
1	0	0	6	5	5
2	0	0	6	5	5
3	0	0	6	5	5
4	0	0	6	5	4
5	0	0	6	5	4
6	0	0	6	5	4
7	0	0	6	5	4
8	0	0	6	5	4
9	0	0	6	5	4
10	0	0	6	5	4
11	0	0	6	5	4
12	0	0	6	5	4
13	0	0	6	5	4
14	0	0	6	5	4
15	0	0	6	5	4
16	0	0	6	5	4
17	0	0	6	5	4
18	0	0	6	5	4
19	0	0	6	5	4
20	0	0	6	5	4
21	0	0	6	5	4
22	0	0	6	5	4
23	0	0	6	5	4
24	0	0	6	5	4
25	0	0	6	5	4
26	0	0	6	5	4
27	0	6	6	5	4
28	0	6	6	5	4
29	0	6	6	5	4
30	0	6	6	5	4
31	0	-	5	5	-
S.F.	0	24	185	155	123
Mean	0	1	6	5	4
Max.	0	6	6	5	5
Min.	0	0	5	5	4
A.F.	0	50	370	310	240

Water diverted 970 A.F.

DAILY DIVERSIONS OF CANALS--1979

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 Hiway 30, 1/2 mile  
north on field access road, right bank of canal

Date	Oct.	May	June	July	Aug.	Sept.
1	145	61	94	0	145	179
2	148	52	92	0	133	194
3	152	39	92	0	125	194
4	65	39	92	0	118	194
5	0	39	92	51	179	208
6	0	38	90	83	280	208
7	0	39	93	76	292	200
8	0	56	93	88	297	197
9	0	58	94	129	293	189
10	0	59	96	164	288	182
11	0	58	92	198	287	183
12	0	56	90	255	285	163
13	0	54	89	293	276	148
14	0	58	90	295	230	144
15	0	65	88	305	192	130
16	0	63	87	314	195	129
17	0	62	87	320	192	123
18	0	63	104	318	189	122
19	0	72	115	298	178	117
20	0	76	114	292	177	99
21	0	77	111	290	177	80
22	0	80	109	275	178	80
23	0	101	109	258	139	51
24	0	109	108	247	194	40
25	0	109	107	244	179	74
26	0	108	107	241	149	65
27	0	107	108	244	149	59
28	0	106	52	170	139	56
29	0	107	0	120	145	56
30	0	108	0	97	175	67
31	0	98	-	131	181	--
S.F.	510	2217	2695	5796	6206	3931
Mean	16	72	90	187	200	131
Max.	152	109	115	320	297	208
Min.	0	38	0	0	118	40
A.F.	1010	4400	5350	11500	12310	7800

Water diverted 42370 A.F.  
Acreage reported D-635-14060

DAILY DIVERSIONS OF CANALS--1979

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

Date	May	June	July	Aug.	Sept.
1	0	39	0	44	67
2	0	35	19	16	71
3	0	34	28	6	73
4	0	35	28	0	79
5	0	34	28	34	96
6	0	28	33	101	107
7	0	50	47	123	104
8	0	45	44	131	88
9	0	45	46	130	101
10	0	38	56	128	105
11	0	33	61	118	100
12	0	34	82	115	75
13	0	35	105	107	64
14	0	32	111	104	60
15	0	41	114	98	51
16	0	38	116	94	45
17	0	33	103	83	46
18	0	33	117	82	43
19	3	36	115	84	41
20	20	39	120	89	47
21	32	38	122	79	56
22	36	30	116	79	39
23	43	35	118	75	46
24	37	32	110	71	51
25	33	28	87	70	41
26	32	33	89	73	32
27	32	33	91	60	35
28	36	25	74	85	35
29	46	0	44	36	27
30	50	0	39	80	14
31	40	-	49	75	--
S.F.	440	991	2312	2540	1839
Mean	14	33	75	82	61
Max.	50	50	122	131	107
Min.	0	0	0	0	14
A.F.	370	1960	4590	5040	3650

Water diverted 16110 A.F.  
Acreage reported D-653-7323

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 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 Hiway 30, 3 $\frac{1}{2}$  miles west,  
 100 ft north on right canal bank

Date	Oct.	May	June	July	Aug.	Sept.
1	30	0	0	19	0	40
2	30	0	0	13	8	41
3	29	0	0	10	12	41
4	28	0	0	7	12	44
5	26	0	0	13	12	30
6	26	0	0	4	12	19
7	26	0	6	7	16	18
8	27	0	17	6	24	22
9	28	0	17	9	30	20
10	28	0	16	13	30	19
11	28	0	13	14	29	21
12	15	0	13	17	25	18
13	0	0	13	17	23	9
14	0	0	14	24	22	6
15	0	0	15	25	25	6
16	0	0	15	28	26	5
17	0	0	20	35	26	9
18	0	0	19	28	30	16
19	0	0	18	31	32	18
20	0	0	13	35	31	20
21	0	0	21	35	31	22
22	0	0	22	35	30	24
23	0	0	22	36	31	24
24	0	0	22	36	32	24
25	0	0	22	34	31	14
26	0	0	24	32	30	2
27	0	0	23	28	32	0
28	0	0	24	22	32	0
29	0	0	21	14	34	0
30	0	0	20	13	37	0
31	0	0	--	7	38	-
S.F.	321	0	430	647	783	532
Mean	10	0	14	21	25	18
Max.	30	0	24	36	38	44
Min.	0	0	0	4	0	0
A.F.	640	0	850	1280	1550	1060
Water diverted 5380 A.F.						
Acreage reported D-646-5187						

DAILY DIVERSIONS OF CANALS--1979  
 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 Hiway 30, 1 mile west  
 on county road, 200 feet north, 100 feet west, left  
 side of canal

Date	Oct.	May	June	July	Aug.	Sept.
1	37	0	71	4	41	74
2	40	0	73	3	70	74
3	38	0	72	3	72	75
4	20	0	68	9	69	76
5	21	0	66	77	71	77
6	0	0	66	75	76	76
7	0	0	66	74	89	76
8	0	0	66	74	103	74
9	0	0	66	72	118	74
10	0	0	66	73	117	77
11	0	0	66	73	125	74
12	0	0	66	73	126	74
13	0	0	66	76	129	66
14	0	0	66	91	117	61
15	0	0	66	93	92	61
16	0	0	67	96	84	58
17	0	0	68	100	75	53
18	0	0	68	99	72	51
19	0	0	69	91	73	21
20	0	0	74	88	73	4
21	0	0	76	38	72	4
22	0	0	76	89	54	6
23	0	42	76	88	45	9
24	0	61	76	34	79	7
25	0	60	76	30	67	1
26	0	61	76	78	75	0
27	0	60	76	78	78	0
28	0	63	76	31	75	0
29	0	68	33	69	59	0
30	0	69	4	13	66	0
31	0	69	-	9	69	-
S.F.	156	553	2001	2051	2531	1303
Mean	5	18	67	66	82	43
Max.	40	69	76	100	129	77
Min.	0	0	4	3	41	0
A.F.	310	1100	3970	4070	5020	2580
Water diverted 17050 A.F.						
Acreage reported D-662-5498						

DAILY DIVERSIONS OF CANALS--1979  
 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 $\frac{1}{2}$  miles west on Hiway 30,  
 2 miles north on county road, 1 mile northwest  
 on hay meadow road, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	29	0	17	18	12	7
2	29	0	16	12	9	7
3	29	0	14	19	10	8
4	14	0	14	10	5	9
5	0	0	14	0	7	9
6	0	0	15	0	7	17
7	0	0	17	3	2	38
8	0	0	13	9	24	38
9	0	0	9	7	48	38
10	0	0	9	14	32	38
11	0	0	7	24	31	38
12	0	0	3	16	23	39
13	0	0	0	31	28	29
14	0	0	11	37	30	23
15	0	0	16	47	33	8
16	0	0	15	45	29	6
17	0	0	22	46	26	1
18	0	0	31	34	27	0
19	0	0	31	23	29	0
20	0	0	31	18	28	0
21	0	0	22	23	27	12
22	0	0	15	30	25	9
23	0	7	16	32	24	9
24	0	20	15	33	17	0
25	0	19	10	39	18	0
26	0	20	9	40	7	6
27	0	25	10	35	6	14
28	0	24	14	32	7	14
29	0	22	17	26	9	19
30	0	25	17	20	7	12
31	0	20	--	11	6	--
S.F.	101	182	450	742	593	448
Mean	3	6	15	24	19	15
Max.	29	25	31	47	48	39
Min.	0	0	0	0	2	0
A.F.	200	360	890	1470	1180	890
Water diverted 4990 A.F.						
Acreage reported D-649-4782						

SOUTH PLATTE RIVER BASIN  
(LOGGEPOL E CREEK)

DISCHARGE IN SECOND-FEET OF LODGEPOL E 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, 1979

Date	May	June	July	Aug.	Sept.
1	8	4	9	5	4
2	8	4	9	5	4
3	8	4	9	5	4
4	8	4	9	4	4
5	8	5	9	4	4
6	8	5	9	4	3
7	8	5	10	4	3
8	8	5	10	4	3
9	8	5	10	3	3
10	8	5	10	3	3
11	8	6	10	3	3
12	8	6	10	3	3
13	8	6	11	3	3
14	8	6	11	2	3
15	8	6	11	2	3
16	8	6	11	2	3
17	8	6	11	2	3
18	7	7	10	2	3
19	7	7	10	2	3
20	7	7	9	3	3
21	7	7	9	3	3
22	6	7	9	3	3
23	6	7	8	3	3
24	6	6	8	3	3
25	6	6	8	3	3
26	5	8	7	3	3
27	5	8	7	4	3
28	5	8	6	4	3
29	5	8	6	4	3
30	4	9	6	4	3
31	4	-	5	4	-
S.F.	216	187	277	103	95
Mean	7	6	9	3	3
Max.	8	9	11	5	4
Min.	4	4	5	2	3
A.F.	430	370	550	200	190

DISCHARGE IN SECOND-FEET OF LODGEPOL E CREEK  
ABOVE BENNETT RESERVOIR--NW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 29-15-55 W.  
Nr. Kimball. 9/10 mile north on Hiway 71 to bridge,  
250 feet east from southeast wingwall along creek  
Water Year Ending September 30, 1979

Date	May	June	July	Aug.	Sept.
1	11	8	4	1	4
2	11	7	4	1	4
3	11	7	4	1	3
4	11	7	3	1	3
5	11	7	3	1	3
6	11	7	3	1	3
7	11	7	3	1	3
8	10	7	3	1	3
9	10	6	3	1	2
10	10	6	3	1	2
11	10	6	3	1	2
12	10	6	2	1	2
13	10	6	2	1	2
14	10	6	2	1	2
15	10	6	2	1	3
16	10	6	2	1	3
17	10	5	0	1	3
18	9	5	0	1	3
19	9	5	0	2	3
20	9	5	0	2	3
21	9	5	0	2	3
22	9	5	0	2	4
23	9	5	0	2	4
24	9	5	0	3	4
25	9	4	1	3	4
26	8	4	1	3	4
27	8	4	1	3	4
28	8	4	1	4	4
29	8	4	1	4	4
30	8	4	1	4	4
31	8	-	1	4	-
S.F.	297	169	53	56	95
Mean	10	6	2	2	3
Max.	11	8	4	4	4
Min.	8	4	0	1	2
A.F.	590	340	110	110	190

BENNETT RESERVOIR STORAGE IN ACRE-FEET

A-657, A-1974 on Lodgepole Creek--SE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 22-15-55W. Proceed 1.1 miles east of Kimball on Highway 30. Turn onto 53D 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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 3, 1978	750	-8
Oct. 31, 1978	385	-365
Nov. 30, 1978	848	463
Dec. 29, 1978	863	15
Jan. 12, 1979	843	-20
Febr. 22, 1979	972	129
Mar. 28, 1979	1060	88
Apr. 30, 1979	1050	-10
May 16, 1979	1050	0
June 1, 1979	1020	-30
July 16, 1979	970	-50
Aug. 30, 1979	523	-447
Sept. 26, 1979	510	-13
Change in Storage since September 15, 1978		-248

DISCHARGE IN SECOND-FEET OF LODGEPOL E CREEK  
BELOW BENNETT RESERVOIR--SE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 22-15-55 W.  
Nr. Kimball. 1.1 mile east on Hiway 30, onto 53D  
link, 2 miles east,north on county road, 9/10  
mile to pasture road, 9/10 mile west along curving  
road, 250 feet north from west wingwall along creek  
Water Year Ending September 30, 1979

Date	May	June	July	Aug.	Sept.
1	0	0	2	5	3
2	0	0	2	5	3
3	0	0	2	5	3
4	0	0	2	4	3
5	0	0	2	4	3
6	0	0	2	4	2
7	0	0	2	4	2
8	0	0	2	4	2
9	0	1	3	3	2
10	0	1	3	3	2
11	0	1	3	3	2
12	0	1	3	3	2
13	0	1	3	3	2
14	0	1	3	2	2
15	0	1	3	2	2
16	0	1	3	2	2
17	0	1	3	2	2
18	0	1	3	2	2
19	0	1	3	2	2
20	0	1	4	2	2
21	0	1	4	2	2
22	0	1	4	2	2
23	0	1	4	3	2
24	0	2	4	3	2
25	0	2	4	3	2
26	0	2	4	3	2
27	0	2	4	3	2
28	0	2	5	3	2
29	0	2	5	3	2
30	0	2	5	3	2
31	0	-	5	3	-
S.F.	0	29	101	95	65
Mean	0	1	3	3	2
Max.	0	2	5	5	3
Min.	0	0	2	2	2
A.F.	0	60	200	190	130

## SOUTH PLATTE RIVER BASIN

## (SOUTH PLATTE RIVER)

DAILY DIVERSIONS OF CANALS--1979  
 WESTERN CANAL from South Platte River  
 Measured in section of canal--NE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 14-12-43 W.  
 Nr. Julesburg, CO. 100 feet south of Hiway 138 & 385  
 junction, 1.1 mile south on Hiway 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	0	0	95	84	150	185
2	0	0	90	92	247	166
3	0	0	82	100	208	155
4	0	0	192	108	145	149
5	26	0	227	115	98	192
6	71	0	155	123	79	155
7	112	0	129	130	54	116
8	152	0	129	139	48	200
9	166	0	129	146	41	247
10	227	0	162	154	38	132
11	277	0	211	162	32	344
12	29	0	250	162	32	384
13	26	0	275	139	32	149
14	90	0	302	116	45	152
15	58	0	287	106	369	155
16	0	0	272	96	251	159
17	0	0	257	86	204	159
18	0	0	242	76	389	126
19	0	0	227	74	139	90
20	0	0	212	66	139	40
21	0	0	197	59	294	31
22	0	0	182	56	389	38
23	0	0	167	54	330	45
24	0	90	164	54	271	43
25	0	96	162	55	230	31
26	0	82	110	56	211	32
27	0	71	80	56	302	142
28	0	61	61	59	264	162
29	0	76	69	63	219	61
30	0	106	77	59	181	59
31	0	96	--	61	166	--
S.F.	1234	678	5194	2906	5597	4099
Mean	40	22	173	94	181	137
Max.	277	106	302	162	389	384
Min.	0	0	61	54	32	31
A.F.	2450	1340	10300	5760	11100	8130
Water Diverted	39080 A.F.					
Acreage reported A-393-11002; A-1804-800; A-4739-498; Total-12300						

DAILY DIVERSIONS OF CANALS--1979  
 SUTHERLAND CANAL for power from South Platte River  
 Measured through 25-foot Parshall flume--SE $\frac{1}{4}$  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	0	34	83	40	94	615	344	234	926	1220	90	828
2	0	35	21	28	90	648	354	228	1084	1224	90	725
3	0	26	14	24	95	579	342	205	1088	1228	175	637
4	0	14	26	28	98	582	336	191	1099	1220	153	529
5	0	13	21	31	101	585	322	189	1134	1103	137	440
6	0	12	22	31	107	603	312	181	1184	884	95	344
7	0	10	25	31	108	544	310	162	1168	784	76	298
8	0	10	28	30	112	434	305	173	1176	696	63	260
9	0	12	32	33	117	392	298	218	1204	609	57	230
10	0	20	35	29	125	352	298	280	1224	529	57	195
11	0	22	33	31	139	312	334	301	1172	394	53	179
12	0	25	33	31	168	280	359	305	1192	317	46	187
13	0	28	39	38	193	254	339	324	1192	236	41	189
14	0	28	44	35	238	234	334	332	1204	199	41	230
15	0	39	51	35	265	222	329	506	1220	162	40	247
16	0	46	56	35	265	216	329	811	1168	153	43	238
17	0	36	57	40	273	209	324	926	1180	124	73	242
18	6	41	67	40	349	218	324	1010	1216	117	73	236
19	8	18	70	41	421	254	342	958	1220	115	80	254
20	9	12	74	44	550	214	369	877	1204	104	84	269
21	8	15	73	45	647	224	372	798	1212	94	187	280
22	10	19	82	50	632	278	364	798	1204	86	298	256
23	10	22	83	49	627	260	346	856	1196	83	559	256
24	17	22	70	58	630	249	334	902	1204	79	775	234
25	36	41	90	61	660	234	315	870	1200	72	845	216
26	42	58	89	61	647	234	289	863	1204	69	983	207
27	44	69	89	70	627	265	267	863	1200	144	1118	183
28	53	63	89	79	610	294	265	815	1188	191	1216	183
29	51	72	61	84	---	305	260	798	1228	127	1224	162
30	39	86	36	83	---	322	247	835	1232	95	1118	157
31	34	---	45	88	---	324	---	870	---	100	930	---
S.F.	367	948	1638	1403	8993	10736	9663	17679	35323	12558	10824	8893
Mean	12	32	53	45	321	346	322	570	1177	405	349	296
Max.	53	86	90	88	660	648	372	1010	1232	1228	1224	828
Min.	0	10	14	24	90	209	247	162	926	69	40	157
A.F.	730	1880	3250	2780	17840	21290	19170	35070	70060	24910	21470	17640
Water diverted	236090 A.F.											





## PLATTE RIVER BASIN

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, 1979

Date	May	June	July	Aug.	Sept.
1	17	28	14	14	13
2	17	20	17	14	12
3	17	18	13	11	12
4	17	17	19	9	13
5	17	15	19	8	13
6	17	12	25	7	13
7	17	17	19	6	11
8	17	23	13	5	8
9	25	29	8	5	7
10	35	36	8	5	7
11	36	29	6	5	6
12	30	22	6	5	7
13	26	18	5	5	8
14	22	14	5	5	8
15	19	14	5	7	8
16	19	14	6	11	8
17	19	13	10	10	8
18	18	13	11	8	10
19	17	13	10	9	10
20	17	13	9	11	10
21	17	13	8	11	10
22	17	11	7	12	10
23	17	12	6	11	10
24	17	13	7	11	9
25	17	14	8	11	9
26	15	19	8	18	9
27	14	19	23	26	9
28	14	12	32	19	9
29	14	12	29	15	9
30	25	11	27	14	9
31	36	--	12	14	-
S.F.	622	514	395	322	285
Mean	20	17	13	10	10
Max.	36	36	32	26	13
Min.	14	11	5	5	6
A.F.	1230	1020	780	640	570

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, 1979

Date	May	June	July	Aug.	Sept.
1	69	95	1330	144	50
2	71	81	740	112	100
3	73	79	668	98	100
4	77	87	419	89	110
5	81	89	334	81	50
6	87	87	352	141	52
7	77	110	168	248	53
8	81	171	87	328	61
9	93	126	71	496	61
10	102	118	65	680	59
11	102	110	59	940	71
12	93	118	36	960	65
13	91	295	36	990	67
14	87	776	171	1210	63
15	85	2380	419	1290	59
16	87	4330	680	1170	55
17	81	5950	860	990	59
18	83	5250	752	1120	61
19	89	4670	530	1280	65
20	89	4690	488	1100	61
21	91	5030	610	1010	59
22	98	5170	668	710	57
23	95	5290	632	680	55
24	98	5370	590	600	55
25	98	5190	560	440	53
26	91	4520	340	640	55
27	87	3960	496	540	53
28	87	3060	960	220	48
29	95	2180	860	190	46
30	105	1590	440	50	50
31	112	----	196	30	--
S.F.	2755	70972	14617	18577	1853
Mean	89	2366	472	599	62
Max.	112	5950	1330	1290	110
Min.	69	79	36	30	46
A.F.	5460	140770	28990	36850	3680
Total (5 month)		215750	A.F.		

DAILY DIVERSIONS OF CANALS--1979  
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	1218	1263	1168	798	824	1442	1248	1280	1571	2101	2056	1622
2	1298	1223	870	858	1191	1378	1196	1308	1332	2119	1980	1524
3	1374	1293	1085	1039	1147	1342	1166	1257	1351	2149	1825	1515
4	1390	1213	1367	996	1162	1412	1185	1331	1371	2149	1776	1468
5	1368	1225	1514	992	1240	1322	1205	1287	1386	2125	1971	1342
6	1269	1255	1274	998	1344	1430	1180	1263	1667	2141	2129	1463
7	1224	1237	1163	989	1280	1544	1044	1290	2082	2107	2128	1577
8	1293	1282	999	985	1228	1538	1148	1209	2138	2116	2135	1731
9	1121	1214	961	979	1197	1491	1063	1420	2153	2106	2159	1786
10	891	1245	1072	1040	1326	1326	1220	1404	2054	2098	2144	1699
11	938	1279	1178	1057	1381	1253	1336	1376	1976	2108	2158	1655
12	1048	1384	1255	1099	1298	1250	1505	1329	2100	2090	2152	1398
13	1129	1262	1247	1064	1377	1262	1479	1336	2167	2094	2174	1636
14	1182	1255	1256	947	1151	1042	1397	1319	2159	2123	2172	1432
15	1136	1262	1278	965	1028	1143	1329	1296	2158	2130	2170	1356
16	1186	1262	1243	1028	868	1181	1243	1287	2140	2127	2146	1194
17	1192	1219	1222	1182	847	1226	1243	1288	2154	2125	2153	1154
18	1178	1186	1218	974	1038	1304	1265	1307	2146	2125	2159	1089
19	1221	1236	1250	1263	1112	1214	1333	2129	2122	2122	2164	1069
20	1224	1126	1247	1178	1152	1121	1126	1285	2140	2114	2151	1054
21	1233	1216	1186	900	1151	1585	1215	1331	2134	2135	2160	1081
22	1276	1218	1165	1136	1356	1901	1112	1343	2116	2124	2139	1050
23	1235	1329	1208	1070	1313	1904	1245	1374	2120	2128	2161	1124
24	1288	1276	1176	1041	1322	1508	1226	1485	2137	2122	2158	1153
25	1310	1280	1132	1154	1305	1291	1171	1575	2119	2095	2154	1254
26	1301	1278	1183	1126	1498	1290	1149	1524	2104	2105	2149	1242
27	1260	1260	1176	1131	1465	1200	1129	1548	2111	2096	2120	1263
28	1286	1201	1161	1111	1448	1262	1164	1515	2114	2023	2097	1226
29	1252	1183	953	1110	----	1180	1185	1559	2127	2066	1886	994
30	1328	1183	924	1025	----	1258	1157	1858	2120	2070	1844	872
31	1259	----	969	812	----	1074	----	1728	----	2090	1734	----
S.F.	37908	37345	36105	32047	34049	41572	36545	43045	59576	65423	64504	40023
Mean	1223	1245	1165	1034	1216	1341	1218	1388	1986	2110	2081	1334
Max.	1390	1384	1514	1263	1498	1904	1505	1858	2167	2149	2174	1786
Min.	891	1126	670	798	824	1042	1044	1209	1332	2023	1734	872
A.F.	75190	74070	71610	63560	67540	82460	72490	85380	118170	129760	127940	79380

Water diverted 1047550 A.F.

Acreeage reported A-2355-89826; (Storage only)-A-3620-952; A-3823-804; A-4656-1496;  
A-5278-5048; A-7716-800; A-9673-28435; Total-127361



## PLATTE RIVER BASIN

## 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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	5292	110
Nov. 30, 1978	5182	-110
Dec. 31, 1978	4912	-270
Jan. 31, 1979	4612	-300
Febr. 28, 1979	5512	900
Mar. 29, 1979	5512	0
Apr. 30, 1979	4662	-850
May 31, 1979	5622	960
June 30, 1979	5347	-275
July 31, 1979	5622	275
Aug. 31, 1979	5457	-165
Sept. 30, 1979	3867	-1590
Change in Storage		-1315

DAILY DIVERSIONS OF CANALS--1979  
 TRI-COUNTY CANAL, JEFFREY POWER RETURN to Platte River  
 Measured through Parshall flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$  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	15	0	226	488
2	0	0	0	0	0	19	0	0	82	0	324	500
3	0	0	0	0	0	40	0	0	91	0	378	515
4	0	0	0	0	0	40	0	0	93	0	473	525
5	0	0	0	0	0	40	0	0	134	0	550	530
6	0	0	0	0	0	46	0	0	165	0	651	530
7	0	0	0	0	0	45	0	0	138	0	660	530
8	0	0	0	0	0	26	0	0	84	0	670	515
9	0	0	0	0	0	98	0	0	32	124	618	525
10	0	0	0	0	0	167	0	0	194	215	490	389
11	0	0	0	0	0	0	0	0	244	170	358	263
12	0	0	0	0	0	0	0	0	293	218	263	248
13	0	0	0	0	0	0	0	0	237	382	289	224
14	0	0	0	0	0	0	0	0	24	520	238	185
15	0	0	0	0	0	0	0	0	0	532	43	30
16	0	0	0	0	0	0	0	0	0	449	0	0
17	0	0	0	0	0	0	0	0	0	488	78	0
18	0	0	0	0	0	0	0	0	0	563	146	0
19	0	0	0	0	0	0	0	0	0	602	37	0
20	0	0	0	0	0	0	0	0	0	654	0	0
21	0	0	0	0	0	0	0	0	0	629	0	0
22	0	0	0	0	0	0	0	0	0	582	88	0
23	0	0	0	0	0	0	0	8	0	569	363	0
24	0	0	0	0	0	0	0	62	0	522	367	100
25	0	0	0	0	0	0	0	82	0	456	407	144
26	0	0	0	0	0	0	0	84	0	540	320	116
27	0	0	0	0	0	0	0	84	0	428	246	53
28	0	0	0	0	0	0	0	80	0	237	360	0
29	0	0	0	0	-	0	0	81	0	173	545	0
30	0	0	0	0	-	0	0	10	0	57	548	0
31	0	-	0	0	-	0	-	1	-	54	558	-
S. F.	0	0	0	0	0	521	0	492	1826	9164	10294	6410
Mean	0	0	0	0	0	17	0	16	61	296	332	214
Max.	0	0	0	0	0	167	0	84	293	654	670	530
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A. F.	0	0	0	0	0	1030	0	980	3620	18180	20420	12710
Water diverted 56940 A. F.												

## PLATTE RIVER BASIN

## ELWOOD RESERVOIR STORAGE IN ACRE-FEET

From Kingsley Reservoir Storage--NW $\frac{1}{4}$ NW $\frac{1}{4}$ , 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 miles west to pump station.

Water Year Ending September 30, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	10400	9979
Nov. 30, 1978	14948	4548
Dec. 31, 1978	12834	-2114
Jan. 31, 1979	10821	-2013
Febr. 28, 1979	9236	-1585
Mar. 29, 1979	13740	4504
Apr. 30, 1979	21394	7654
May 31, 1979	24038	2644
June 30, 1979	23925	-113
July 31, 1979	15324	-8601
Aug. 31, 1979	5004	-10320
Sept. 30, 1979	7403	2399
Change in Storage		6982

## JOHNSON RESERVOIR AND FOREBAY STORAGE IN ACRE-FEET

From Platte River--SW $\frac{1}{4}$ NE $\frac{1}{4}$ , 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 miles east on gravel supply canal road in forebay of power plant.

Water Year Ending September 30, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	39490	-3150
Nov. 30, 1978	45340	5850
Dec. 31, 1978	42650	-2690
Jan. 31, 1979	41710	-940
Febr. 28, 1979	44560	2850
Mar. 29, 1979	42545	-2015
Apr. 30, 1979	39525	-3020
May 31, 1979	43710	4185
June 30, 1979	45120	1410
July 31, 1979	44760	-360
Aug. 31, 1979	45185	425
Sept. 30, 1979	46840	1655
Change in Storage		4200

DAILY DIVERSIONS OF CANALS--1979  
PHELPS COUNTY CANAL from Platte River via  
Tri-County Canal--Measured through Parshall  
flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 2-8-21 W.  
Nr. Overton. 5 miles south on oil road, 6 $\frac{1}{2}$  miles  
west on county road, 1 $\frac{1}{2}$  miles north on canal road

Date	Apr.	May	June	July	Aug.	Sept.
1	0	122	320	371	754	299
2	0	118	320	377	848	299
3	0	124	314	368	904	299
4	0	122	320	368	855	356
5	0	148	329	347	834	499
6	0	146	359	332	855	588
7	0	126	365	314	869	630
8	0	136	341	305	890	398
9	0	144	317	332	1064	262
10	0	146	320	401	1088	255
11	0	144	314	510	1096	232
12	0	146	311	742	1080	180
13	0	146	308	834	1040	58
14	0	176	320	918	960	0
15	0	215	326	820	932	0
16	0	240	332	665	932	0
17	0	262	332	390	883	0
18	0	272	314	275	834	0
19	0	265	290	272	820	0
20	0	272	278	329	772	0
21	0	275	290	368	772	0
22	0	285	308	332	802	0
23	0	278	326	311	772	0
24	0	280	323	371	778	0
25	18	282	329	528	778	0
26	72	293	326	724	560	0
27	98	299	335	730	401	0
28	98	308	344	660	344	0
29	96	314	353	620	332	0
30	110	311	326	660	320	0
31	---	311	---	754	299	---
S.F.	492	6706	9690	15328	24468	4355
Mean	16	216	323	494	789	145
Max.	110	314	365	918	1096	630
Min.	0	118	278	272	299	0
A.F.	980	13300	19220	30400	48530	8640
Water diverted	121070	A.F.				

DAILY DIVERSIONS OF CANALS--1979  
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. 3 $\frac{1}{2}$  miles south from Hwy 30, 2 miles  
east. 4/5 mile north, east through yard, southeast  
to end of road

Date	May	June	July	Aug.	Sept.
1	0	93	151	53	220
2	0	93	149	54	233
3	0	95	149	51	238
4	0	95	151	49	244
5	0	97	146	48	252
6	0	98	149	137	252
7	0	99	147	217	252
8	0	97	128	246	262
9	0	91	134	244	257
10	0	90	135	244	187
11	0	89	131	244	162
12	0	91	152	244	170
13	0	89	163	267	160
14	0	48	208	279	154
15	0	34	235	271	41
16	30	67	233	275	0
17	0	86	256	273	0
18	0	102	285	285	0
19	0	100	285	289	0
20	0	100	283	293	0
21	0	102	285	256	0
22	0	102	285	242	0
23	0	102	283	244	0
24	34	99	275	244	0
25	34	94	271	248	0
26	34	146	273	250	0
27	34	163	208	246	0
28	34	147	102	248	0
29	34	146	53	252	0
30	34	149	50	242	0
31	74	---	48	233	---
S.F.	342	3004	5803	6768	3084
Mean	11	100	187	218	103
Max.	74	163	285	293	262
Min.	0	34	48	48	0
A.F.	680	5960	11510	13420	6120
Water diverted	37690	A.F.			
Acres reported	A-1853R-19547; A-1976-3530; A-2077-320; Total-23397				

## PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 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 Hiway 30, south on gravel  
 road across I-80, 1/2 mile east, on left bank

Date	May	June	July	Aug.	Sept.
1	0	94	271	289	165
2	14	100	269	291	180
3	54	98	269	301	177
4	75	97	269	301	170
5	85	102	215	307	173
6	89	103	185	320	172
7	95	106	177	322	168
8	98	105	165	322	138
9	102	102	197	320	126
10	103	103	202	320	120
11	106	106	187	322	126
12	106	100	213	320	119
13	103	102	233	318	106
14	94	42	244	318	103
15	94	0	256	320	68
16	93	0	320	313	66
17	93	78	339	311	66
18	93	116	330	307	66
19	93	117	324	309	69
20	91	116	320	307	63
21	91	115	318	311	64
22	90	116	320	297	66
23	85	119	320	279	66
24	82	120	318	277	67
25	87	140	318	277	91
26	87	141	318	209	70
27	90	187	320	265	66
28	93	202	309	273	62
29	90	213	279	263	53
30	97	246	275	233	53
31	93	---	277	167	--
S.F.	2666	3396	8357	9089	3099
Mean	86	113	269	293	103
Max.	106	246	339	322	180
Min.	0	0	165	167	53
A.F.	5290	6720	16580	18030	6150

Water diverted 52770 A.F.

Acreage reported D-645a-898; D-645b-15340;

A-3716-1016; A-11798-170; A-15580-56;

Total-17480

DAILY DIVERSIONS OF CANALS--1979  
 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	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	1	0
4	0	0	0	3	0
5	0	0	0	6	0
6	0	0	0	12	0
7	0	0	0	20	0
8	0	0	0	29	0
9	0	0	0	27	0
10	0	0	0	29	0
11	0	0	0	25	0
12	0	0	0	22	0
13	0	0	0	23	0
14	0	0	2	26	0
15	0	0	9	19	0
16	0	0	19	15	0
17	0	0	32	7	0
18	0	0	24	5	0
19	0	0	21	4	0
20	0	14	15	6	0
21	0	30	15	7	0
22	0	39	15	12	0
23	0	52	14	19	0
24	0	56	10	25	0
25	0	52	8	26	0
26	0	45	13	18	0
27	0	34	12	10	0
28	0	38	14	7	0
29	0	7	3	5	0
30	0	0	2	3	0
31	0	-	0	1	-
S.F.	0	367	233	412	0
Mean	0	12	8	13	0
Max.	0	56	32	29	0
Min.	0	0	0	0	0
A.F.	0	730	460	820	0

Water diverted 2010 A.F.

Acreage reported D-680-1173

DAILY DIVERSIONS OF CANALS--1979  
 COZAD CANAL from Platte River--Measured  
 through Parshall flume--SE $\frac{1}{4}$ 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	Apr.	May	June	July	Aug.	Sept.
1	0	32	62	108	155	51
2	0	39	68	103	209	0
3	0	39	81	117	211	0
4	0	38	81	125	227	0
5	0	38	81	106	217	0
6	0	40	80	94	218	0
7	0	38	79	90	222	0
8	0	43	80	82	226	0
9	0	43	81	70	226	0
10	0	42	82	95	226	0
11	0	43	82	74	224	0
12	0	42	82	47	222	0
13	0	42	80	69	217	0
14	0	41	90	140	226	0
15	0	40	98	187	220	0
16	0	42	86	222	220	0
17	0	49	88	260	218	0
18	0	45	89	258	222	0
19	0	41	82	246	220	0
20	0	41	79	242	222	0
21	0	45	80	250	218	0
22	0	58	90	254	217	0
23	0	56	86	254	217	0
24	0	62	86	246	215	0
25	18	64	83	244	217	0
26	31	56	88	244	218	0
27	17	61	81	241	206	0
28	32	52	76	220	195	0
29	32	57	76	215	188	0
30	32	62	98	206	190	0
31	--	62	--	187	170	-
S.F.	162	1433	2480	5296	6589	51
Mean	5	46	83	171	213	2
Max.	32	62	98	260	227	51
Min.	0	32	62	47	155	0
A.F.	320	2840	4920	10500	13070	100

Water diverted 31750 A.F.

Acreage reported D-626-25251

DAILY DIVERSIONS OF CANALS--1979  
 ORCHARD-ALFALFA CANAL from Platte River--Measured  
 through Parshall flume--SW $\frac{1}{4}$ 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	0	32	29	17	43
2	0	31	29	23	46
3	0	28	25	30	51
4	0	28	25	23	48
5	0	27	20	30	44
6	0	26	21	33	44
7	0	28	27	39	46
8	0	29	21	53	57
9	0	30	23	65	19
10	0	30	33	75	0
11	6	34	32	79	0
12	24	36	29	79	0
13	23	26	26	79	0
14	22	25	26	82	0
15	22	34	30	78	0
16	22	36	43	71	0
17	23	37	53	65	0
18	26	34	53	62	0
19	25	29	61	54	0
20	24	27	64	58	0
21	24	26	66	49	0
22	24	26	71	37	0
23	23	27	72	39	0
24	23	26	71	44	0
25	24	28	68	46	0
26	24	29	68	45	0
27	26	28	58	44	0
28	26	29	34	41	0
29	26	30	32	47	0
30	30	30	30	46	0
31	30	--	23	47	-
S.F.	497	886	1263	1585	398
Mean	16	30	41	51	13
Max.	30	37	72	82	57
Min.	0	25	20	17	0
A.F.	990	1760	2510	3140	790

Water diverted 9190 A.F.

Acreage reported D-627-5975

## PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 DAWSON COUNTY CANAL from Platte River--Measured  
 through Parshall Flume--NW¼NW¼ 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	May	June	July	Aug.	Sept.
1	0	70	162	346	303
2	0	76	122	308	298
3	0	74	73	280	283
4	0	73	187	254	276
5	0	70	170	276	269
6	0	65	162	301	267
7	0	67	158	287	267
8	0	74	144	312	269
9	0	94	117	354	292
10	0	98	129	376	263
11	0	136	191	387	207
12	0	158	185	400	197
13	0	151	164	410	183
14	0	134	168	421	148
15	0	183	207	407	139
16	0	175	272	402	115
17	40	177	354	402	82
18	74	181	437	402	84
19	73	183	450	402	73
20	73	179	434	407	89
21	70	175	429	369	88
22	66	183	437	364	84
23	60	187	445	364	83
24	53	185	445	362	28
25	52	181	434	364	0
26	65	168	440	389	0
27	74	173	469	384	0
28	72	179	448	352	0
29	69	168	450	344	0
30	73	170	364	334	0
31	67	---	334	298	-
S.F.	981	4187	8981	11058	4087
Mean	32	140	290	357	146
Max.	74	187	469	421	303
Min.	0	65	73	254	0
A.F.	1950	8300	17810	21930	8700

Water diverted 58690 A.F.

Acres reported D-621-296; D-622-27880;  
 D-624-1360; A-2039-1680; A-2093-203; A-2110-  
 1252; A-2145-0; A-2262-410; A-12968-0;  
 A-14008-191; A-15184-160; A-15507-120;  
 Total-33552

DISCHARGE IN SECOND- FEET OF DAWSON COUNTY  
 DRAIN NO. 2--SE¼NE¼ Sec. 25-10-23 W.  
 Nr. Darr. 7/10 mile south on county road,  
 on right side of road  
 Water Year Ending September 30, 1979

Date	May	June	July	Aug.	Sept.
1	6	3	5	11	13
2	6	3	6	10	13
3	5	3	6	13	18
4	5	4	5	11	17
5	5	4	9	9	12
6	5	5	7	10	10
7	5	5	7	9	9
8	4	6	7	11	8
9	4	4	6	10	8
10	5	4	6	10	8
11	4	6	6	16	8
12	4	5	6	26	8
13	3	6	5	21	8
14	3	6	5	13	6
15	3	4	5	17	8
16	5	4	6	18	3
17	4	4	6	16	4
18	4	4	11	12	4
19	4	4	9	13	3
20	5	5	10	14	6
21	6	5	10	13	6
22	5	5	9	11	6
23	5	5	9	13	6
24	5	6	11	14	6
25	5	6	10	16	5
26	3	5	9	14	6
27	3	5	14	16	6
28	3	6	14	20	5
29	2	5	18	19	5
30	3	6	19	18	5
31	3	--	12	13	-
S.F.	132	143	268	437	230
Mean	4	5	9	14	8
Max.	6	6	19	26	18
Min.	2	3	5	9	3
A.F.	260	280	530	870	460

DAILY DIVERSIONS OF CANALS--1979  
 TRI-COUNTY CANAL, JOHNSON POWER RETURN  
 To Platte River--SE¼NW¼ Sec. 2-8-21 W.  
 Nr. Overton. 5 miles south on oil road, 6½ miles west on county road, 1½ miles north on  
 canal road

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	600	600	837	797	822	1018	681	523	214	874	0	150
2	605	595	918	817	847	1044	676	507	214	949	0	150
3	600	590	902	792	711	1175	640	456	301	1109	0	124
4	595	590	907	812	731	1155	660	493	174	1044	2	32
5	570	610	837	711	751	1205	645	457	231	1085	8	0
6	550	655	822	726	696	1255	625	444	145	1160	0	0
7	575	671	660	756	671	1286	655	474	306	1173	3	0
8	615	625	741	731	676	1260	696	484	355	1157	28	162
9	469	620	786	751	721	1260	691	491	1039	1125	0	182
10	356	620	781	797	691	1296	645	459	1006	834	0	94
11	361	620	761	792	706	1210	686	370	1042	261	0	88
12	872	635	686	721	686	1200	590	434	1106	70	0	208
13	852	645	691	741	660	671	676	424	897	0	0	463
14	731	615	696	681	645	655	620	424	840	0	0	530
15	802	625	928	731	918	660	625	405	657	0	0	530
16	776	620	887	832	918	771	615	375	1034	0	0	530
17	751	722	897	862	832	711	610	293	1191	170	9	530
18	857	665	892	691	822	665	665	298	1204	219	3	530
19	665	650	1044	655	802	691	307	279	1222	560	2	530
20	691	610	766	726	887	676	462	293	1169	266	0	530
21	665	665	696	721	786	665	630	300	1147	86	0	530
22	676	711	802	716	660	550	635	270	887	26	0	530
23	665	736	832	822	660	978	615	226	844	2	0	530
24	635	696	882	797	721	1497	721	244	852	320	0	530
25	655	635	812	671	736	1225	673	278	846	1	0	595
26	686	640	802	736	721	1049	583	297	995	12	297	610
27	595	630	847	741	1049	736	532	210	1283	198	451	610
28	600	822	802	716	1114	655	573	211	1284	621	468	610
29	595	812	837	731	----	686	544	230	1119	1069	414	525
30	615	812	792	766	----	625	555	173	1136	878	260	350
31	615	----	792	726	----	671	----	128	----	834	119	----
S.F.	19895	19742	25335	23265	21640	29201	19031	10950	24740	16103	2064	10783
Mean	642	658	817	750	773	942	634	353	825	519	67	359
M.	872	822	1044	862	1114	1497	807	523	1284	1173	468	610
Min.	356	590	660	655	645	550	462	128	145	0	0	0
A.F.	39460	39160	50250	46150	42920	57920	37750	21720	49070	31940	4090	21390

Water returned 441820 A.F.



## PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 KEARNEY IRRIGATION CANAL 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	May	June	July	Aug.	Sept.
1	0	0	0	7	26
2	0	0	0	38	26
3	0	0	0	43	21
4	0	0	0	28	20
5	0	0	0	30	25
6	0	0	0	58	30
7	0	0	0	60	37
8	0	0	0	55	13
9	0	0	0	58	16
10	0	0	0	66	0
11	0	0	0	58	0
12	0	0	0	56	7
13	0	0	15	59	17
14	0	0	19	75	16
15	0	0	8	28	3
16	0	0	15	25	2
17	0	0	8	16	2
18	0	0	13	14	0
19	0	0	10	5	2
20	0	0	12	10	0
21	0	0	0	10	0
22	0	0	0	20	0
23	0	0	21	13	0
24	0	0	25	27	0
25	0	0	45	28	0
26	0	0	63	32	0
27	0	0	25	33	0
28	0	0	32	41	0
29	0	0	14	25	0
30	0	0	33	27	0
31	0	-	10	32	-
S.F.	0	0	368	1077	263
Mean	0	0	12	35	9
Max.	0	0	63	75	37
Min.	0	0	0	5	0
A.F.	0	0	730	2140	520

Water diverted 3390 A.F.  
 Acreage reported D-1023-3782; A-8399-1676;  
 A-9844-1024; A-10168-320; A-10871-579;  
 A-14859-390; Total-7771

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, 1979

Date	May	June	July	Aug.	Sept.
1	0	0	45	62	55
2	16	0	52	66	54
3	10	2	44	60	53
4	0	6	31	58	52
5	0	3	33	44	58
6	0	15	51	31	52
7	0	9	50	31	52
8	0	16	72	28	47
9	0	1	72	16	48
10	0	16	70	0	48
11	0	4	26	8	43
12	0	1	25	6	68
13	0	25	43	3	67
14	0	24	70	10	60
15	0	24	51	8	56
16	0	28	50	19	56
17	0	30	49	21	56
18	0	31	52	30	56
19	5	39	46	32	53
20	0	38	60	50	21
21	3	26	45	50	15
22	30	26	44	65	13
23	30	15	48	69	30
24	21	15	48	62	30
25	22	49	47	52	29
26	11	46	26	52	27
27	10	49	26	52	26
28	8	56	20	46	17
29	8	52	51	57	0
30	3	49	49	56	0
31	0	-	65	57	-
S.F.	177	700	1461	1201	1242
Mean	6	23	47	39	41
Max.	30	56	72	69	68
Min.	0	0	20	0	0
A.F.	350	1390	2900	2380	2460

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 8/10 mile south on Hiway 183  
 Water Year Ending September 30, 1979

Date	May	June	July	Aug.	Sept.
1	0	7	11	11	5
2	0	6	7	5	6
3	0	6	5	6	11
4	0	7	7	6	12
5	0	8	30	5	11
6	0	7	28	5	11
7	0	8	25	6	10
8	0	9	25	6	7
9	0	21	25	6	7
10	0	11	23	6	7
11	0	5	7	2	4
12	0	3	5	2	5
13	0	9	4	2	5
14	0	9	3	5	6
15	0	9	7	5	1
16	0	9	7	8	1
17	0	10	7	4	4
18	0	11	12	14	1
19	0	10	12	15	1
20	0	10	12	8	4
21	0	9	12	7	7
22	0	9	12	11	6
23	0	11	7	9	7
24	0	10	8	10	7
25	0	12	8	9	7
26	7	12	2	9	6
27	7	12	2	9	6
28	6	13	8	1	4
29	6	12	16	13	0
30	6	11	16	7	0
31	6	-	11	2	-
S.F.	38	286	364	214	169
Mean	1	10	12	7	6
Max.	7	21	30	15	12
Min.	0	3	2	1	0
A.F.	80	570	720	420	340

## PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 KEARNEY POWER RETURN to Platte River  
 Measured in section of canal--NE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 3-8-16 W.  
 Nr. Kearney. On right bank 400 feet south of Hiway 30 inside west part of city

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	250	251	0	0	0	0	0	137	223	250	247	252
2	234	250	0	0	0	0	0	243	223	236	241	252
3	212	250	0	0	0	0	0	254	231	264	241	255
4	187	192	0	0	0	0	0	241	219	275	248	252
5	196	208	0	0	0	0	0	238	220	268	240	231
6	201	254	0	0	0	0	0	233	216	285	208	209
7	215	268	0	0	0	0	0	231	216	275	196	196
8	227	248	0	0	0	0	0	245	224	266	188	227
9	236	210	0	0	0	0	0	243	261	268	168	264
10	234	73	0	0	0	0	0	245	268	258	156	272
11	209	68	0	0	0	0	0	238	231	255	161	269
12	216	77	0	0	0	0	0	231	261	234	156	264
13	259	112	0	0	0	0	0	243	251	238	142	269
14	236	254	0	0	0	0	0	231	254	238	163	285
15	226	264	0	0	0	0	0	240	231	257	213	300
16	258	258	0	0	0	0	0	237	203	250	226	301
17	259	268	0	0	0	0	0	238	212	258	241	298
18	205	124	0	0	0	0	0	243	248	262	259	308
19	233	77	0	0	0	0	0	238	240	265	269	294
20	230	68	0	0	0	0	0	230	254	278	265	300
21	244	31	0	0	0	0	0	230	248	278	269	285
22	250	0	0	0	0	0	0	230	241	264	262	292
23	236	0	0	0	0	0	0	230	251	238	264	298
24	243	0	0	0	0	0	152	230	240	234	247	300
25	238	0	0	0	0	0	157	230	255	233	240	307
26	236	0	0	0	0	0	152	225	195	206	241	295
27	247	0	0	0	0	0	129	225	24	251	266	298
28	203	0	0	0	0	0	137	225	276	264	276	298
29	189	0	0	0	-	0	150	225	290	290	275	312
30	187	0	0	0	-	0	142	225	265	252	273	304
31	247	-	0	0	-	0	---	225	---	269	259	---
S.F.	7043	3805	0	0	0	0	1019	7179	6971	7959	7100	8287
Mean	227	127	0	0	0	0	34	232	232	257	229	276
Max.	259	268	0	0	0	0	157	254	290	290	276	312
Min.	187	0	0	0	0	0	0	137	24	206	142	196
A.F.	13970	7550	0	0	0	0	2020	14240	13830	15790	14080	16440
Water returned	97920 A.F.											

## ( MIDDLE LOUP RIVER )

DAILY DIVERSIONS OF CANALS--1979  
 SARGENT CANAL from Middle Loup River--Measured  
 through 10-foot Parshall flume--NW $\frac{1}{4}$ NE $\frac{1}{4}$  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	67	57	183	135
2	0	67	57	178	133
3	0	67	56	177	149
4	0	65	52	202	168
5	0	64	52	219	177
6	0	63	52	248	174
7	0	61	51	266	166
8	0	61	51	266	156
9	0	61	44	270	145
10	0	63	56	266	116
11	0	64	95	269	97
12	0	61	118	269	85
13	0	53	182	266	65
14	0	51	220	260	56
15	0	51	227	243	48
16	0	51	241	226	48
17	0	51	257	196	19
18	0	49	230	185	0
19	0	51	208	175	0
20	0	51	213	154	0
21	41	51	207	135	0
22	64	58	203	116	0
23	59	61	220	101	0
24	58	61	236	93	0
25	53	61	238	98	0
26	58	56	236	97	0
27	60	49	233	122	0
28	60	44	213	135	0
29	60	53	201	151	0
30	53	57	193	151	0
31	61	--	190	148	-
S.F.	632	1723	4889	5870	1937
Mean	20	57	153	189	65
Max.	64	67	257	270	177
Min.	0	44	44	97	0
A.F.	1250	3420	9700	11640	3840
Water diverted	29850 A.F.				
Acreeage reported	A-4841a-13828; A-10260c-Supp; A-12433-53; A-12632-56; A-15029-70;				
Total	14007				

PLATTE RIVER BASIN  
( MIDDLE LOUP RIVER )

DAILY DIVERSIONS OF CANALS--1979  
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	12	10	46	41
2	0	11	12	47	43
3	0	10	14	47	47
4	0	11	12	46	45
5	0	9	13	44	45
6	0	8	13	45	44
7	0	11	12	45	46
8	0	12	11	45	42
9	0	12	17	46	34
10	0	12	25	45	29
11	0	11	37	38	26
12	0	11	43	32	19
13	0	11	47	42	13
14	0	10	47	45	13
15	0	12	46	45	10
16	0	13	47	46	11
17	0	12	43	42	10
18	0	13	46	42	11
19	0	11	48	41	10
20	0	12	46	45	10
21	0	11	47	43	10
22	15	11	48	44	10
23	25	10	48	43	9
24	15	10	48	44	8
25	15	10	58	44	8
26	14	10	48	46	7
27	12	10	49	43	7
28	12	10	50	45	3
29	12	10	51	45	0
30	12	10	48	46	0
31	12	--	48	46	--
S.F.	144	326	1129	1363	611
Mean	5	11	36	44	20
Max.	25	13	51	47	47
Min.	0	8	10	32	0
A.F.	290	650	2240	2700	1210

Water diverted 7090 A.F.  
Acreage reported A-2293-2360; A-3979a-Supp;  
A-3979a-1162; A-3981a-Supp; A-8692-43;  
A-8930-62; Total-3627

DAILY DIVERSIONS OF CANALS--1979  
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	14	12	36	40
2	0	13	12	35	40
3	0	13	14	38	39
4	0	12	17	43	37
5	0	13	18	50	37
6	0	13	18	57	38
7	0	13	17	56	40
8	0	13	16	56	46
9	0	14	22	58	38
10	0	14	29	56	30
11	0	13	33	54	31
12	0	13	41	47	31
13	0	18	58	48	28
14	0	16	65	50	27
15	0	15	71	44	26
16	14	14	69	46	24
17	29	15	52	38	23
18	28	14	52	31	23
19	24	12	49	38	22
20	21	12	48	38	5
21	18	10	52	41	0
22	13	11	58	44	0
23	13	11	52	41	0
24	12	12	54	40	0
25	12	12	56	41	0
26	12	13	49	38	0
27	11	14	51	34	0
28	10	14	42	33	0
29	11	13	42	39	0
30	12	12	42	44	0
31	13	--	40	42	--
S.F.	253	396	1251	1356	625
Mean	8	13	40	44	21
Max.	29	18	71	58	46
Min.	0	10	12	31	0
A.F.	500	780	2480	2690	1240

Water diverted 7690 A.F.  
Acreage reported A-2293-2536; A-2678-212;  
A-3979b-Supp; A-3979b-3348; A-3981b-Supp;  
A-3981b-370; A-4131-22; A-6623-35; A-12842-51;  
Total-6574

DAILY DIVERSIONS OF CANALS--1979  
FARWELL CANAL from Middle Loup River--Measured  
through 25-foot Parshall flume--SE¼SW¼ 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.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	410	0	72	289	54	382	347	280
2	421	0	112	287	54	410	299	303
3	418	0	207	230	58	395	260	303
4	405	0	289	209	66	384	232	289
5	402	0	299	203	61	379	168	253
6	400	0	292	213	58	377	128	232
7	389	0	299	217	83	374	86	233
8	416	0	292	213	179	372	34	327
9	410	0	287	213	273	377	31	332
10	410	0	294	211	260	379	42	347
11	403	0	306	215	234	395	30	356
12	334	0	310	219	193	402	24	332
13	238	0	303	217	195	315	28	189
14	146	0	308	223	228	211	84	101
15	109	0	310	223	271	215	117	95
16	44	0	315	226	280	195	132	93
17	0	0	315	215	285	271	181	99
18	0	0	318	193	318	292	271	99
19	0	0	306	151	334	296	320	101
20	0	0	315	157	344	306	356	102
21	0	0	313	141	359	313	410	106
22	0	0	303	60	369	273	443	95
23	0	0	299	65	400	230	448	99
24	0	0	299	65	397	195	437	102
25	0	0	306	65	400	179	421	106
26	0	0	303	62	400	201	437	104
27	0	0	303	57	410	232	440	102
28	0	0	306	62	397	278	395	107
29	0	12	299	76	410	327	339	114
30	0	35	294	84	402	352	342	114
31	0	69	--	57	--	354	327	--
S.F.	5360	116	8574	5118	7772	9661	7614	5570
Mean	173	4	286	165	259	312	246	186
Max.	421	69	318	289	410	410	448	382
Min.	0	0	72	57	54	179	24	93
A.F.	10630	230	17010	10150	15420	19160	15100	11050

Water diverted 98750 A.F.  
Acreage reported A-4423-49245; A-5710-1479; A-10260a & b;-  
Suppl; A-10470-320; Total-51044



PLATTE RIVER BASIN  
( MIDDLE LOUP RIVER )

DAILY DIVERSIONS OF CANALS--1979

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT  
CANAL NO. 3 from Middle Loup River  
Measured through rating flume--SW $\frac{1}{4}$ 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

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT  
CANAL NO. 4 from Middle Loup River  
Measured through rating flume--SW $\frac{1}{4}$ 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	22	28	82	103
2	0	21	26	88	102
3	0	20	25	104	101
4	0	18	28	117	100
5	0	18	32	119	106
6	0	18	33	122	106
7	0	18	34	118	109
8	0	19	34	121	98
9	0	18	37	122	79
10	0	18	43	118	67
11	0	18	67	117	52
12	0	19	85	115	34
13	0	19	101	116	24
14	0	19	122	109	21
15	0	19	123	101	20
16	34	18	122	97	19
17	56	18	116	89	18
18	39	18	101	62	17
19	37	18	88	46	17
20	36	18	77	39	17
21	30	21	77	39	6
22	27	23	90	34	0
23	27	24	101	32	0
24	26	23	110	31	0
25	26	25	120	32	0
26	28	29	120	37	0
27	28	32	115	39	0
28	27	29	96	40	0
29	26	29	85	44	0
30	24	28	77	64	0
31	22	--	73	82	-
S.F.	493	637	2386	2476	1206
Mean	16	21	77	80	40
Max.	56	32	123	122	109
Min.	0	18	25	31	0
A.F.	980	1260	4730	4910	2390

Water diverted 14270 A.F.  
Acreage reported A-2293R-4277; A-2678R-110;  
A-3979cR-Supp; A-3979cR-7414; A-4360-9;  
A-12179-40; A-13682-50; Total-11900

Date	May	June	July	Aug.	Sept.
1	0	0	28	64	92
2	0	0	27	75	93
3	0	0	23	92	93
4	0	0	24	88	96
5	0	33	27	92	95
6	0	78	31	107	94
7	0	52	35	108	97
8	0	59	37	130	81
9	0	52	43	144	60
10	0	47	44	148	60
11	0	44	53	142	57
12	0	42	58	146	40
13	0	44	61	151	22
14	0	50	66	142	23
15	0	51	68	122	22
16	0	50	63	116	22
17	0	50	52	92	22
18	0	50	49	83	23
19	0	49	49	72	22
20	0	45	49	63	20
21	0	40	49	57	22
22	0	39	50	57	24
23	0	38	67	53	24
24	0	38	104	52	21
25	0	37	114	57	19
26	0	36	118	56	18
27	0	35	107	52	18
28	0	32	86	39	8
29	0	31	68	38	0
30	0	30	70	51	0
31	0	--	67	76	-
S.F.	0	1152	1787	2765	1288
Mean	0	38	58	89	43
Max.	0	78	118	151	97
Min.	0	0	23	38	0
A.F.	0	2280	3540	5480	2550

Water diverted 13850 A.F.  
Acreage reported A-2293R-5952; A-2678R-84;  
A-3979dR-Supp; A-3979dR-4234; A-3981dR-657;  
A-5139-198; A-10161-317; A-10175-56; Total-11498

DAILY DIVERSIONS OF CANALS--1979

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT  
Summary in Acre-feet--1979

	May	June	July	Aug.	Sept.	Total
Diversions:						
Canal No. 1.....	290	650	2240	2700	1210	7090
Canal No. 2.....	500	780	2480	2690	1240	7690
Canal No. 3.....	980	1260	4730	4910	2390	14270
Canal No. 4.....	0	2280	3540	5480	2550	13850
Total diversions.....	1770	4970	12990	15780	7390	42900

PLATTE RIVER BASIN  
( MIDDLE LOUP RIVER )

DAILY DIVERSIONS OF CANALS--1979  
FARWELL "MAIN" CANAL from Middle Loup River  
Measured through six constant head orifice gates  
NW $\frac{1}{4}$ SW $\frac{1}{4}$  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	183	424	243
2	0	0	183	443	246
3	0	0	186	436	320
4	0	0	192	434	376
5	0	0	188	429	424
6	0	0	174	485	439
7	0	0	170	508	419
8	0	36	170	559	362
9	0	101	172	564	349
10	0	97	136	554	251
11	0	97	202	496	199
12	0	105	229	475	171
13	0	114	295	480	55
14	0	116	380	475	0
15	0	123	402	466	0
16	0	126	344	453	0
17	0	128	328	439	0
18	0	143	294	409	0
19	0	155	274	399	0
20	0	155	274	404	0
21	0	158	308	409	0
22	0	172	320	399	0
23	0	179	411	388	0
24	0	179	467	379	0
25	0	179	461	362	0
26	0	181	473	349	0
27	0	188	473	292	0
28	0	188	446	249	0
29	0	186	437	236	0
30	0	183	437	236	0
31	0	---	430	240	-
S.F.	0	3289	9489	12871	3854
Mean	0	110	306	414	128
Max.	0	188	473	564	439
Min.	0	0	170	236	0
A.F.	0	6520	18820	25530	7640
Water released					58510 A.F.

DAILY DIVERSIONS OF CANALS--1979  
FARWELL "SOUTH" CANAL from Middle Loup River  
Measured through four constant head orifice gates  
NW $\frac{1}{4}$ SW $\frac{1}{4}$  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	121	299	143
2	0	0	117	282	141
3	0	0	114	273	167
4	0	0	114	270	195
5	0	0	113	276	230
6	0	0	113	286	257
7	0	0	113	321	272
8	0	19	113	337	256
9	0	59	113	346	247
10	0	60	147	344	192
11	0	60	176	329	153
12	0	61	189	325	123
13	0	62	216	319	38
14	0	62	242	307	0
15	0	74	248	290	0
16	0	80	263	274	0
17	0	79	266	252	0
18	0	86	257	225	0
19	0	94	240	217	0
20	0	97	243	220	0
21	0	100	258	230	0
22	0	103	263	228	0
23	0	104	285	222	0
24	0	104	296	230	0
25	0	104	296	235	0
26	0	104	305	235	0
27	0	104	312	205	0
28	0	104	308	172	0
29	0	105	308	156	0
30	0	104	305	146	0
31	0	---	299	145	-
S.F.	0	1929	6753	7996	2414
Mean	0	64	218	258	80
Max.	0	105	312	346	272
Min.	0	0	113	145	0
A.F.	0	3830	13390	15860	4790
Water released					37870 A.F.

DAILY DIVERSIONS OF CANALS--1979  
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	304	723	386
2	0	0	300	725	387
3	0	0	300	709	487
4	0	0	306	704	571
5	0	0	301	705	654
6	0	0	287	771	696
7	0	0	283	829	691
8	0	55	283	896	618
9	0	160	285	910	596
10	0	157	333	898	443
11	0	157	378	825	352
12	0	166	418	800	294
13	0	176	511	799	93
14	0	178	622	782	0
15	0	197	650	756	0
16	0	206	607	727	0
17	0	207	594	691	0
18	0	229	551	634	0
19	0	249	514	616	0
20	0	252	517	624	0
21	0	258	566	639	0
22	0	275	583	627	0
23	0	283	696	610	0
24	0	283	763	609	0
25	0	283	757	597	0
26	0	285	778	584	0
27	0	292	785	497	0
28	0	292	754	421	0
29	0	291	745	392	0
30	0	287	742	382	0
31	0	---	729	385	-
S.F.	0	5218	16242	20867	6268
Mean	0	174	524	673	209
Max.	0	292	785	910	696
Min.	0	0	283	382	0
A.F.	0	10350	32210	41390	12430
Water released					96380 A.F.
Acresage reported					A-4423-49245; A-5710-1479; A-10260a & b-Suppl; A-10470-320; Total-51044

PLATTE RIVER BASIN  
(NORTH LOUP RIVER)

DAILY DIVERSIONS OF CANALS--1979

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT  
TAYLOR-ORD CANAL from North Loup River  
Measured through rating flume--NE $\frac{1}{2}$ NE $\frac{1}{4}$  Sec. 20-21-18 W.  
Nr. Taylor. 5/10 mile west on Hiway 91 to canal,  
1.5 mile upstream, on left bank

Date	May	June	July	Aug.	Sept.
1	0	56	52	149	153
2	0	52	55	172	153
3	0	53	63	197	148
4	0	51	72	194	159
5	0	47	66	196	172
6	0	46	58	193	174
7	0	46	58	197	172
8	0	45	57	212	140
9	62	40	59	211	103
10	95	39	62	212	98
11	35	38	62	211	75
12	38	39	70	215	79
13	46	36	93	213	75
14	46	38	124	209	61
15	49	37	164	208	54
16	56	38	191	204	52
17	57	39	199	200	56
18	55	40	197	192	58
19	54	38	189	145	55
20	54	35	192	140	48
21	54	34	201	127	47
22	55	42	209	98	49
23	55	44	208	100	50
24	55	37	216	102	51
25	56	43	218	99	55
26	55	45	218	84	53
27	55	46	200	84	51
28	59	50	183	132	50
29	59	50	183	148	54
30	60	49	173	148	4
31	56	--	164	154	-
S.F.	1268	1293	4261	5146	2549
Mean	41	43	137	166	85
Max.	95	56	218	215	174
Min.	0	34	52	84	4
A.F.	2520	2560	8450	10210	5060

Water diverted 28800 A.F.  
Acreage reported A-2155-136; A-2312-12524;  
A-2417R-183; A-3215a-853; A-3892-37; A-3980a-  
1270; A-3982a-Supp; A-4400-29; A-7854-18;  
A-13475-28; Total-15078

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT  
BURWELL-SUMTER CANAL from North Loup River  
Measured through rating flume--NE $\frac{1}{2}$ NW $\frac{1}{4}$  Sec. 19-21-15 W.  
Nr. Burwell. 1.8 mile east on Hiway 91, 100 feet north  
to canal, 250 feet upstream, on left bank

Date	May	June	July	Aug.	Sept.
1	0	43	24	104	67
2	0	38	26	111	68
3	0	37	27	112	68
4	0	36	27	114	74
5	0	35	27	110	104
6	0	35	27	114	126
7	72	34	26	112	113
8	39	35	27	110	84
9	36	35	26	112	95
10	38	29	38	113	46
11	36	30	37	106	42
12	33	32	35	108	46
13	32	29	47	107	46
14	38	28	76	106	43
15	38	26	95	108	33
16	42	23	91	106	31
17	43	22	95	108	30
18	45	22	96	108	30
19	44	22	92	97	30
20	41	22	90	88	29
21	41	25	114	66	30
22	42	29	120	55	30
23	42	32	119	50	31
24	42	32	129	44	30
25	45	30	127	44	31
26	47	29	122	48	36
27	47	28	110	53	34
28	46	26	86	54	33
29	45	25	74	54	33
30	49	24	70	58	33
31	50	--	80	68	--
S.F.	1063	893	2180	2748	1526
Mean	34	30	70	88	51
Max.	72	43	129	114	126
Min.	0	22	24	44	30
A.F.	2120	1770	4320	5450	3030

Water diverted 16690 A.F.  
Acreage reported A-2312-5683; A-3215b-1121;  
A-3772-71; A-3828-39; A-3980b-1347; A-3982b-  
Supp; A-6943-16; A-9809-20; A-12017-16; A-12355-  
105; A-13402-47; A-13474-37; A-14566-70; A-14777-  
56; A-14778-34; Total-8662

DAILY DIVERSIONS OF CANALS--1979  
NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT  
ORD-NORTH LOUP CANAL from North Loup River  
Measured through rating flume--NW $\frac{1}{2}$ NE $\frac{1}{4}$  Sec. 36-19-14 W.  
Nr. Ord. 2.7 miles southeast on Hiway 11, 3/10 mile  
150 feet north across RR tracks to canal, 350 feet  
upstream, on left bank

Date	May	June	July	Aug.	Sept.
1	0	27	21	66	27
2	0	24	24	60	24
3	24	22	28	56	24
4	26	20	32	54	33
5	25	18	36	56	47
6	25	18	23	58	55
7	25	17	25	73	57
8	26	17	25	81	54
9	26	17	26	93	42
10	26	16	35	73	38
11	26	15	43	63	33
12	25	15	50	58	29
13	25	14	64	60	25
14	26	13	89	61	20
15	29	12	99	48	16
16	32	12	105	47	14
17	32	12	93	49	14
18	32	12	92	57	14
19	35	11	88	56	14
20	36	12	89	51	13
21	35	14	97	36	13
22	34	15	107	36	12
23	34	13	111	37	0
24	34	16	98	31	0
25	33	16	79	29	0
26	34	16	66	23	0
27	33	19	52	28	0
28	32	20	53	28	0
29	32	26	53	28	0
30	29	21	53	28	0
31	29	--	56	29	-
S.F.	860	500	1917	1558	618
Mean	28	17	62	50	21
Max.	36	27	111	93	57
Min.	0	11	21	28	0
A.F.	1710	990	3800	3090	1230

Water diverted 10820 A.F.  
Acreage reported A-2312-5646; A-3215c-325;  
A-3980c-571; A-3932c-Supp; A-4231-27;  
A-10583-74; A-10584-60; A-14120-48; A-14741-  
14; A-14814-40; A-15031-75; A-15236-40;  
Total-6920

DAILY DIVERSIONS OF CANALS--1979

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT  
Summary in Acre-feet--1979

	May	June	July	Aug.	Sept.	Total
Diversions:						
Taylor-Ord Canal.....	2520	2560	8450	10210	5060	28800
Burwell-Sumter Canal....	2120	1770	4320	5450	3030	16690
Ord-North Loup Canal....	1710	990	3800	3090	1230	10820
Total diverted.....	6350	5320	16570	18750	9320	56310

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	1395	-83
Nov. 30, 1978	1374	-21
Dec. 31, 1978	1332	-42
Jan. 31, 1979	1324	-8
Febr. 28, 1979	1538	214
Mar. 31, 1979	1544	6
Apr. 30, 1979	1481	-63
May 31, 1979	1423	-58
June 30, 1979	1658	235
July 31, 1979	1575	-83
Aug. 31, 1979	1429	-146
Sept. 30, 1979	1324	-105
Change in Storage		-154

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	2635	-415
Nov. 30, 1978	2600	-35
Dec. 31, 1978	2553	-47
Jan. 31, 1979	2528	-25
Febr. 28, 1979	2786	258
Mar. 31, 1979	2831	45
Apr. 30, 1979	2977	146
May 31, 1979	2899	-78
June 30, 1979	3009	110
July 31, 1979	3057	48
Aug. 31, 1979	2840	-217
Sept. 30, 1979	2617	-223
Change in Storage		-433

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	2409	-101
Nov. 30, 1978	2442	33
Dec. 31, 1978	2462	20
Jan. 31, 1979	2471	9
Febr. 28, 1979	2654	183
Mar. 31, 1979	2804	150
Apr. 30, 1979	2536	-268
May 31, 1979	2444	-92
June 30, 1979	2539	95
July 31, 1979	2114	-425
Aug. 31, 1979	1910	-204
Sept. 30, 1979	1787	-123
Change in Storage		-723

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	1912	-14
Nov. 30, 1978	1901	-11
Dec. 31, 1978	1897	-4
Jan. 31, 1979	1897	0
Febr. 28, 1979	2021	124
Mar. 31, 1979	2035	14
Apr. 30, 1979	1938	-97
May 31, 1979	1928	-10
June 30, 1979	2094	166
July 31, 1979	1932	-162
Aug. 31, 1979	1918	-14
Sept. 30, 1979	1794	-124
Change in Storage		-132

PLATTE RIVER BASIN  
( S A L T C R E E K )

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	2002	-151
Nov. 30, 1978	1981	-21
Dec. 31, 1978	1998	17
Jan. 31, 1979	2020	22
Febr. 28, 1979	2235	215
Mar. 31, 1979	2260	25
Apr. 30, 1979	2130	-130
May 31, 1979	2050	-80
June 30, 1979	2008	-42
July 31, 1979	2054	46
Aug. 31, 1979	1953	-101
Sept. 30, 1979	1819	-134
Change in Storage		-334

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	2490	-65
Nov. 30, 1978	2512	22
Dec. 31, 1978	2510	-2
Jan. 31, 1979	2535	25
Febr. 28, 1979	2684	149
Mar. 31, 1979	2732	276
Apr. 30, 1979	2667	-65
May 31, 1979	2602	-65
June 30, 1979	2633	31
July 31, 1979	2403	-230
Aug. 31, 1979	2340	-63
Sept. 30, 1979	2213	-127
Change in Storage		-342

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	2650	-57
Nov. 30, 1978	2655	5
Dec. 31, 1978	2660	5
Jan. 31, 1979	2685	25
Febr. 28, 1979	2712	27
Mar. 31, 1979	2892	180
Apr. 30, 1979	2923	31
May 31, 1979	2811	-112
June 30, 1979	2849	38
July 31, 1979	2829	-20
Aug. 31, 1979	2789	-40
Sept. 30, 1979	2690	-99
Change in Storage		-17

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	8085	-104
Nov. 30, 1978	8175	90
Dec. 31, 1978	8287	112
Jan. 31, 1979	8426	139
Febr. 28, 1979	8530	104
Mar. 31, 1979	8765	235
Apr. 30, 1979	8831	66
May 31, 1979	8493	338
June 30, 1979	9084	569
July 31, 1979	8603	-481
Aug. 31, 1979	8691	88
Sept. 30, 1979	6761	-1930
Change in Storage		-1428

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	721	-50
Nov. 30, 1978	707	-14
Dec. 31, 1978	680	-27
Jan. 31, 1979	669	-11
Febr. 28, 1979	715	46
Mar. 31, 1979	818	103
Apr. 30, 1979	816	-2
May 31, 1979	756	-60
June 30, 1979	737	-19
July 31, 1979	775	38
Aug. 31, 1979	722	-53
Sept. 30, 1979	650	-72
Change in Storage		-121

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, 1979

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1978	25241	-403
Nov. 30, 1978	25434	193
Dec. 31, 1978	25679	245
Jan. 31, 1979	26066	387
Febr. 28, 1979	26374	308
Mar. 31, 1979	28122	1748
Apr. 30, 1979	27026	-1096
May 31, 1979	26555	-471
June 30, 1979	27460	905
July 31, 1979	26682	-778
Aug. 31, 1979	26139	-543
Sept. 30, 1979	25364	-775
Change in Storage		-280

REPUBLICAN RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
HAIGLER CANAL from Republican River  
Measured through 5-foot Parshall flume--Sec. 2-1-43 W.

Date	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	30	38	0	10	28	38	47	18
2	28	36	0	10	26	38	36	19
3	28	33	0	30	27	35	30	19
4	27	27	0	30	30	35	26	18
5	28	25	0	29	31	35	25	18
6	27	25	0	29	23	26	24	22
7	27	21	0	31	25	32	22	30
8	28	31	0	38	30	40	22	29
9	28	30	0	40	26	37	23	29
10	28	30	0	37	22	34	23	28
11	28	28	0	42	32	33	25	30
12	26	25	0	33	36	31	25	31
13	26	24	0	34	33	24	23	31
14	27	24	0	35	29	21	25	24
15	28	25	0	43	28	19	28	20
16	26	26	0	40	27	18	28	20
17	29	26	0	38	25	24	26	20
18	31	5	0	34	28	25	27	24
19	33	0	0	37	31	24	30	30
20	17	0	0	37	33	23	36	23
21	30	0	0	39	38	22	36	25
22	34	0	0	42	36	20	33	27
23	19	0	0	31	36	28	34	28
24	37	0	0	34	31	27	40	28
25	37	0	0	42	4	30	33	29
26	37	0	10	46	31	24	32	29
27	38	0	16	44	32	27	31	30
28	38	0	34	43	5	26	28	30
29	38	0	25	34	30	24	25	30
30	37	0	24	32	39	26	21	29
31	37	--	--	31	--	44	20	--
S.F.	940	479	109	1075	852	890	884	768
Mean	30	16	4	35	28	29	28	26
Max.	38	38	34	46	39	44	47	31
Min.	17	0	0	10	4	18	20	18
A.F.	1860	950	220	2130	1590	1770	1750	1520
Water diverted	11890 A.F.							

DAILY DIVERSIONS OF CANALS--1979  
MEEKER-DRIFTWOOD CANAL from Republican River--Measured through 12-foot Parshall flume--SW¼NW¼ 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	81	236	99
2	0	0	81	249	97
3	0	0	81	258	97
4	0	0	82	263	106
5	0	0	91	263	118
6	0	0	80	272	123
7	0	0	91	275	115
8	0	0	82	275	111
9	0	0	82	275	111
10	0	0	95	263	118
11	0	0	92	257	107
12	0	0	103	257	83
13	0	0	154	258	66
14	0	0	173	257	22
15	0	0	173	241	0
16	0	0	200	232	0
17	0	0	231	229	0
18	0	0	213	224	0
19	0	0	127	220	0
20	0	0	154	220	0
21	0	0	95	220	0
22	0	0	95	220	0
23	0	0	91	221	0
24	0	0	90	211	0
25	0	0	82	206	0
26	0	6	73	207	0
27	0	108	75	176	0
28	0	97	77	160	0
29	0	92	77	144	0
30	0	81	126	123	0
31	0	--	191	108	--
S.F.	0	384	3508	7020	1373
Mean	0	13	113	226	46
Max.	0	108	231	275	123
Min.	0	0	73	108	0
A.F.	0	760	6960	13920	2720
Water diverted	24360 A.F.				
Acres reported D-4, 9, 8 & 7-2719;					
A-3869bR-2684; A-3887cR-92; A-6213-9170;					
A-9690-197; A-9911-500; A-10590-56; A-11946-					
53; A-14180-13; A-15130-90; Total-15574					

## REPUBLICAN RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 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,  
 4/10 mile north, 1/10 mile west on north side  
 of canal

Date	Oct.	May	June	July	Aug.	Sept.
1	4	1	8	6	3	3
2	4	4	7	7	4	3
3	4	8	7	7	4	4
4	4	8	6	7	4	3
5	4	8	6	7	4	3
6	4	8	6	7	4	2
7	4	8	6	7	3	2
8	4	9	7	6	2	3
9	4	9	7	6	2	3
10	4	9	7	6	2	3
11	4	9	7	6	2	3
12	4	8	7	6	2	3
13	4	8	7	6	2	3
14	5	7	7	5	2	3
15	5	8	7	5	2	4
16	5	8	6	5	2	4
17	5	8	6	5	2	4
18	5	8	6	4	2	4
19	5	8	7	3	4	4
20	5	8	7	3	2	4
21	5	8	6	2	2	4
22	6	7	6	2	2	4
23	6	7	6	2	2	4
24	6	7	6	3	2	4
25	0	7	9	3	2	4
26	0	7	9	2	2	4
27	0	7	8	2	2	4
28	0	7	8	3	2	4
29	0	7	7	3	2	4
30	0	7	7	3	2	4
31	0	8	-	3	2	-
S.F.	110	231	206	142	76	115
Mean	4	7	7	5	2	4
Max.	6	9	9	7	4	4
Min.	0	1	6	2	2	2
A.F.	220	460	410	290	150	230

Water diverted 1750 A.F.  
 Acreage reported D-47-840

DAILY DIVERSIONS OF CANALS--1979  
 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	10	11	11
2	0	0	0	11	11
3	0	0	0	12	11
4	0	0	0	11	10
5	0	0	0	9.9	10
6	0	0	0	11	10
7	0	0	11	11	10
8	0	0	9.8	11	10
9	0	0	8.7	11	9.9
10	0	0	8.9	10	11
11	0	0	8.8	12	11
12	0	0	8.8	11	11
13	0	0	8.7	9.8	11
14	0	0	8.6	11	11
15	0	0	8.5	10	11
16	0	0	9.8	10	0
17	0	0	8.8	10	0
18	0	8.4	9.8	11	0
19	0	8.4	9.3	11	0
20	0	8.4	9.0	11	0
21	0	8.0	7.7	11	0
22	0	7.6	8.7	11	0
23	0	7.6	0	10	0
24	0	7.6	0	10	0
25	0	10	0	11	0
26	0	0	0	11	0
27	0	11	10	11	0
28	0	11	10	12	0
29	0	12	0	11	0
30	0	12	11	12	0
31	0	--	11	11	--
S.F.	0	112	196.9	336.7	158.9
Mean	0	3.7	6.4	10.9	5.3
Max.	0	12	11	12	11
Min.	0	0	0	9.8	0
A.F.	0	220	390	670	320

Water diverted 1600 A.F.  
 Acreage reported D-18-359; A-1674-202;  
 Total-561

DAILY DIVERSIONS OF CANALS--1979  
 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	54	52	109	87	49
2	0	57	51	130	76	45
3	0	57	51	136	82	46
4	0	54	49	141	124	46
5	0	54	49	138	140	17
6	0	52	49	136	180	0
7	0	51	49	130	220	0
8	0	51	50	125	253	0
9	11	53	57	128	277	0
10	32	55	62	121	281	0
11	29	58	62	118	275	0
12	32	59	59	130	271	0
13	37	56	55	151	276	0
14	38	54	51	163	271	0
15	41	53	49	173	256	0
16	46	52	47	186	241	0
17	52	51	46	207	226	0
18	54	52	47	227	225	0
19	57	50	47	232	227	0
20	60	50	45	228	245	0
21	59	50	44	225	256	0
22	58	50	44	223	262	0
23	57	48	42	207	237	0
24	57	48	62	225	205	0
25	59	48	77	210	169	0
26	60	46	80	189	136	0
27	60	46	86	93	79	0
28	58	45	92	73	50	0
29	56	46	99	67	48	0
30	55	50	100	68	56	0
31	00	51	---	70	57	-
S.F.	1068	1601	1753	4759	5788	203
Mean	36	52	58	154	187	7
Max.	60	59	100	232	281	49
Min.	0	45	42	67	48	0
A.F.	2120	3180	3480	9440	11480	400

Water diverted 30100 A.F.  
 Acreage reported D-24, 25, 29 & 30-9419; A-3869AR-  
 1415; A-6214-9616; A-9697-157; A-9802-132;  
 Total-20739

DAILY DIVERSIONS OF CANALS--1979  
 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	12	12	19
2	0	0	16	13	20
3	0	0	16	15	21
4	0	0	16	16	21
5	0	0	16	16	25
6	0	0	15	33	31
7	0	0	14	60	35
8	0	0	14	82	36
9	0	0	14	91	36
10	0	0	13	91	35
11	0	0	14	91	35
12	0	0	13	94	35
13	0	31	17	82	33
14	0	35	21	71	12
15	0	29	21	59	0
16	0	26	30	41	0
17	0	26	39	32	0
18	0	26	35	30	0
19	0	25	23	30	0
20	0	21	24	28	0
21	0	19	26	36	0
22	0	19	26	51	0
23	0	19	31	56	0
24	0	19	35	66	0
25	0	17	31	70	0
26	0	16	28	70	0
27	0	16	27	43	0
28	0	16	22	25	0
29	0	16	18	23	0
30	0	16	16	23	0
31	0	--	14	21	--
S.F.	0	392	657	1471	394
Mean	0	13	21	47	13
Max.	0	35	39	94	36
Min.	0	0	12	12	0
A.F.	0	780	1300	2920	780

Water diverted 5780 A.F.  
 Acreage reported A-3869cR-2846; A-6216-  
 491; A-10195-473; A-12068-677; A-12201-  
 82; A-14178-275; Total-4844

## REPUBLICAN RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
 BARTLEY CANAL from Republican River--Measured through  
 8-foot Parshall flume--NW $\frac{1}{4}$ SW $\frac{1}{4}$  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	22	19	20
2	0	0	19	19	20
3	0	0	20	25	20
4	0	0	20	26	27
5	0	0	18	25	32
6	0	0	17	44	36
7	0	0	15	77	34
8	0	0	14	104	30
9	0	0	15	121	30
10	0	0	16	119	33
11	0	0	17	114	40
12	0	0	18	114	42
13	0	0	21	109	39
14	0	0	23	103	14
15	0	0	23	94	0
16	0	0	32	82	0
17	0	0	32	62	0
18	0	0	24	51	0
19	0	0	20	49	0
20	0	0	19	50	0
21	0	16	19	58	0
22	0	25	18	60	0
23	0	25	27	61	0
24	0	24	34	72	0
25	0	24	35	78	0
26	0	24	40	83	0
27	0	21	38	51	0
28	0	19	27	28	0
29	0	21	20	23	0
30	0	22	20	22	0
31	0	--	19	21	-
S.F.	0	221	702	1964	417
Mean	0	7	23	63	14
Max.	0	25	40	121	42
Min.	0	0	14	19	0
A.F.	0	440	1390	3900	830

Water diverted 6560 A.F.  
 Acreage 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--1979  
 NAPONEE CANAL from Republican River--Measured  
 through Sparling Meter--NE $\frac{1}{4}$ NE $\frac{1}{4}$  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	0	35.0	0
2	0	0	0	35.0	0
3	0	0	0	35.0	0
4	0	0	0	35.0	0
5	0	0	0	33.7	0
6	0	0	0	30.9	0
7	0	0	0	32.6	0
8	0	0	0	34.1	0
9	0	0	0	34.0	0
10	0	0	0	33.9	0
11	0	0	0	33.8	0
12	0	0	6.8	33.5	0
13	0	0	13.5	33.1	0
14	0	0	16.5	33.1	0
15	0	0	20.4	30.8	0
16	0	0	20.4	26.4	0
17	0	0	9.4	24.1	0
18	0	0	0	24.1	0
19	0	0	0	24.1	0
20	0	0	1.8	24.1	0
21	0	0	0	26.8	0
22	0	0	0	29.1	0
23	0	0	0	29.1	0
24	0	0	12.2	29.2	0
25	0	0	27.4	24.3	0
26	0	0	33.1	8.4	0
27	0	2.0	35.0	0	0
28	0	0	35.0	0	0
29	0	0	35.0	0	0
30	0	0	35.1	0	0
31	0	-	35.1	0	-
S.F.	0	2.0	336.7	773.2	0
Mean	0	0	10.8	24.9	0
Max.	0	2.0	35.1	35.0	0
Min.	0	0	0	0	0
A.F.	0	4	680	1530	0

Water diverted 2214 A.F.  
 Acreage reported A-4217-1350; A-6220-80;  
 A-9463-86; A-9722-11; A-10965-234;  
 Total-1761

DAILY DIVERSIONS OF CANALS--1979  
 CAMBRIDGE CANAL from Republican River--Measured  
 through 15-foot Parshall flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$  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	60	83	56
2	0	0	65	83	57
3	0	0	64	98	56
4	0	0	58	105	73
5	0	0	57	105	111
6	0	0	56	171	149
7	0	0	49	261	152
8	0	0	50	319	146
9	0	0	50	328	145
10	0	0	57	327	134
11	0	0	106	324	124
12	0	0	117	321	107
13	0	0	130	311	94
14	0	48	147	253	34
15	0	48	148	186	0
16	0	25	173	164	0
17	0	28	173	140	0
18	0	71	154	131	0
19	0	73	149	131	0
20	0	71	153	131	0
21	0	68	158	141	0
22	0	68	159	144	0
23	0	67	176	145	0
24	0	60	197	160	0
25	0	66	209	170	0
26	0	63	216	177	0
27	0	64	168	125	0
28	0	62	118	84	0
29	0	55	112	64	0
30	0	58	124	60	0
31	0	--	95	54	-
S.F.	0	995	3748	5296	1438
Mean	0	33	121	171	48
Max.	0	73	216	328	152
Min.	0	0	49	54	0
A.F.	0	1970	7430	10500	2850

Water diverted 22750 A.F.  
 Acreage reported A-3869e-14595; A-6218-  
 459; A-9479-217; A-9763-119; A-10591-448;  
 A-11041-268; A-12067-812; A-12200-259;  
 A-14181-179; A-15131-105; Total-17461

DAILY DIVERSIONS OF CANALS--1979  
 FRANKLIN CANAL from Republican River--Measured  
 through orifice--NW $\frac{1}{4}$ NE $\frac{1}{4}$  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	0	248	0	
2	0	0	0	244	0	
3	0	0	0	243	0	
4	0	0	0	245	0	
5	0	0	58	245	0	
6	0	0	86	241	0	
7	0	0	86	234	0	
8	0	0	86	234	0	
9	0	0	86	237	0	
10	0	0	86	239	0	
11	0	0	86	238	0	
12	0	0	100	238	0	
13	0	0	142	232	0	
14	0	0	167	205	0	
15	0	0	180	179	0	
16	0	0	169	155	0	
17	0	0	106	156	0	
18	0	0	16	163	0	
19	0	0	0	155	0	
20	0	0	0	27	155	0
21	0	0	80	155	0	
22	0	0	80	165	0	
23	0	0	89	171	0	
24	0	0	120	170	0	
25	0	0	159	169	0	
26	0	0	194	125	0	
27	0	0	216	56	0	
28	0	0	234	10	0	
29	0	0	234	0	0	
30	0	0	236	0	0	
31	0	-	244	0	-	
S.F.	0	0	3367	5307	0	
Mean	0	0	109	171	0	
Max.	0	0	244	248	0	
Min.	0	0	0	0	0	
A.F.	0	0	6680	10530	0	

Water diverted 17210 A.F.  
 Acreage reported A-2691a-4438; 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; Total-11219



## REPUBLICAN RIVER BASIN

DAILY DIVERSIONS OF CANALS--1979  
FRANKLIN PUMP CANAL from Republican River--Measured  
through 4-foot Parshall flume--NW $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 10-1-14 W.  
Nr. Franklin. 1.5 miles south on Hwy 10, 3.5 miles  
east, 400 feet south of pump station

Date	May	June	July	Aug.	Sept.
1	0	0	0	31	0
2	0	0	0	31	0
3	0	0	0	31	0
4	0	0	0	30	0
5	0	0	0	29	0
6	0	0	0	29	0
7	0	0	0	30	0
8	0	0	0	31	0
9	0	0	0	31	0
10	0	0	0	31	0
11	0	0	0	31	0
12	0	0	16	31	0
13	0	0	28	31	0
14	0	0	26	30	0
15	0	0	27	33	0
16	0	0	32	31	0
17	0	0	10	27	0
18	0	0	0	22	0
19	0	0	0	20	0
20	0	0	0	21	0
21	0	0	0	20	0
22	0	0	0	22	0
23	0	0	6	26	0
24	0	0	15	29	0
25	0	0	24	28	0
26	0	0	30	5	0
27	0	0	31	0	0
28	0	0	32	0	0
29	0	0	31	0	0
30	0	0	31	0	0
31	0	-	30	0	-
S.F.	0	0	369	711	0
Mean	0	0	12	23	0
Max.	0	0	32	33	0
Min.	0	0	0	0	0
A.F.	0	0	730	1410	0

Water diverted 2140 A.F.  
Acreage reported A-4227-1922; A-6222-188;  
A-10962-8; Total-2118

DAILY DIVERSIONS OF CANALS--1979  
COURTLAND CANAL from Republican River--Measured  
through orifice--NE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 18-1-9 W.  
Nr. Guide Rock. 1 mile south on Hwy 78, 2 miles west

Date	May	June	July	Aug.	Sept.
1	30	119	100	324	116
2	73	124	100	336	134
3	81	123	101	349	117
4	60	110	93	338	134
5	42	106	92	332	126
6	41	101	91	327	105
7	41	96	91	327	102
8	41	93	91	322	102
9	41	91	92	311	102
10	44	90	92	313	103
11	48	92	94	345	103
12	44	99	160	349	143
13	42	101	196	351	136
14	40	101	199	295	129
15	40	93	198	209	124
16	74	90	239	198	121
17	87	90	244	205	117
18	83	99	189	246	115
19	79	102	100	253	109
20	77	93	79	249	105
21	115	87	78	272	104
22	136	88	79	298	101
23	136	89	108	294	102
24	135	99	116	302	97
25	134	133	170	281	95
26	135	191	256	286	97
27	134	168	298	272	96
28	133	127	303	239	94
29	124	113	308	224	91
30	118	102	314	189	93
31	117	---	325	176	--
S.F.	2525	3210	4996	8812	3313
Mean	81	107	161	284	110
Max.	136	191	325	351	143
Min.	30	87	78	176	91
A.F.	5010	6370	9910	17480	6570

Water diverted 45340 A.F.  
Acreage reported A-4222-1723; A-6224-114;  
A-10963-143; Total-1980

DAILY DIVERSIONS OF CANALS--1979  
COURTLAND CANAL from Republican River--Measured  
at Nebraska-Kansas State Line--SE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 31-1-6 W.

Date	May	June	July	Aug.	Sept.
1	0	88	76	283	152
2	0	94	76	269	125
3	0	94	75	287	116
4	28	88	71	281	124
5	27	77	67	278	116
6	25	65	65	274	109
7	25	62	68	267	98
8	25	63	68	260	96
9	25	65	65	247	94
10	27	62	65	247	94
11	31	62	65	276	107
12	30	66	116	292	130
13	27	76	146	301	150
14	26	72	150	267	153
15	23	67	150	182	122
16	46	63	173	157	112
17	63	65	211	164	107
18	62	73	178	206	102
19	59	74	87	222	96
20	56	61	58	220	92
21	32	58	55	238	90
22	108	57	58	260	88
23	108	67	73	251	85
24	108	69	125	253	83
25	108	97	146	251	82
26	108	143	206	269	81
27	108	136	249	256	73
28	107	113	253	219	77
29	100	85	258	203	75
30	89	77	260	171	75
31	89	---	269	167	---
S.F.	1720	2339	3982	7498	3109
Mean	55	78	128	242	104
Max.	108	143	269	301	153
Min.	0	57	55	157	75
A.F.	3410	4640	7900	14870	6170

Water diverted 36990 A.F.

DAILY DIVERSIONS OF CANALS--1979  
SUPERIOR CANAL from Republican River--Measured  
through 12-foot Parshall flume--NE $\frac{1}{4}$ 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	0	119	7
2	0	0	0	122	0
3	0	0	0	123	0
4	0	0	43	122	0
5	0	0	63	122	0
6	0	0	63	121	0
7	0	0	63	122	0
8	0	0	63	120	0
9	0	0	63	116	0
10	0	0	63	118	0
11	0	0	64	131	0
12	0	0	54	137	0
13	0	0	52	137	0
14	0	0	53	128	0
15	0	0	54	113	0
16	0	0	92	100	0
17	0	0	95	96	0
18	0	0	58	95	0
19	0	0	56	95	0
20	0	0	55	94	0
21	0	0	54	93	0
22	0	0	53	86	0
23	0	0	84	85	0
24	0	0	102	35	0
25	0	0	102	86	0
26	0	0	116	83	0
27	0	0	124	71	0
28	0	0	122	57	0
29	0	0	125	49	0
30	0	0	126	49	0
31	0	-	125	40	-
S.F.	0	0	2137	3115	7
Mean	0	0	71	100	0
Max.	0	0	126	137	7
Min.	0	0	0	40	0
A.F.	0	0	4340	6180	10

Water diverted 10530 A.F.  
Acreage reported A-2691cR-5456; A-6223-  
264; A-9723-45; A-9875-49; A-10966-93;  
Total-5907

## LISTING OF CERTAIN CANALS NOT DIVERTING IN 1979

## DAILY DIVERSIONS OF CANALS--1979

BEISER CANAL from Niobrara River--SW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 4-29-56 W.  
Nr. Harrison. 12 miles south, 1 mile west on south river bank  
Water diverted 0 A.F. -- Acreage reported A-1056-36

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

BOURETT CANAL from Niobrara River -- SW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 33-30-56 W.  
Nr. Harrison. 12 miles south, 1 mile west, 1 mile north, on east river bank.  
Water diverted 0 A.F. -- Acreage reported A-4-100; A-1057-52; Total-152

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-980-248

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.

DAVISON PUMP from Niobrara River -- NW $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 12-28-54 W.  
Nr. Marsland. 15 miles west on south river bank.  
Water diverted 0 A.F. -- Acreage reported A-1662-15

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  
Water diverted 0 A.F. -- Acreage reported D-461-37; A-5181-76; Total-113

FURMAN CANAL (NORTH & SOUTH) from Niobrara River -- 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.  
Water diverted 0 A.F. -- Acreage reported D-462-105

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 0.8 A.F. -- Acreage reported A-5772-87

## DAILY DIVERSIONS OF CANALS--1979

HOMRIGHAUSEN PUMP from Niobrara River -- NE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 9-28-52 W.  
Nr. Marsland. 5 miles west, 1 $\frac{1}{2}$  miles south, on south river bank.  
Water diverted 0 A.F. -- Acreage reported A-4869-175

LaBELLE CANAL from Niobrara River -- NW $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 6-28-54 W.  
Nr. Harrison. 21 $\frac{1}{2}$  miles south on Hiway 29, 7 miles east on county road,  
on north river bank.  
Water diverted 0 A.F. -- Acreage reported D-518-140; A-60-220; Total-360

RAMSHORN CANAL from North Platte River -- Measured over 15-foot weir  
NW $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 19-23-57 W.  
Nr. Henry. From Hiway junction 29 & 92, 4.5 miles east on Hiway 29, 8/10 mile south,  
1/10 mile west, on left bank.  
Water diverted 0 A.F. -- Acreage reported D-945-1652

SNOW CANAL from Niobrara River -- SW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 35-29-51 W.  
Nr. Marsland. 1 mile east on gravel road, 1/2 mile south to bridge on trail road,  
on east river bank.  
Water diverted 0 A.F. -- Acreage reported D-485-200

**MISCELLANEOUS DISCHARGE MEASUREMENTS OF  
RIVERS AND STREAMS NOT PUBLISHED BY THE  
U.S. GEOLOGICAL SURVEY 1979**

CHEYENNE RIVER BASIN

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>HAT CREEK</u>					
HAT CREEK BELOW COFFEE FLOOD CANAL Sec. 14-33-55 W.					
9-20	1.03	9-25	0.00		
SOW BELLY CREEK BELOW SOW BELLY CANAL Sec. 7-32-55 W.					
6-21	1.27				
SOW BELLY CREEK ABOVE ANDREWS CANAL Sec. 5-32-55 W.					
2-28	2.96	6-11	1.65		
SOW BELLY CREEK BELOW ANDREWS CANAL Sec. 5-32-55 W.					
2-28	0.41	6-11	1.98		
SOW BELLY CREEK AT MONTGOMERY CANAL Sec. 21-33-55 W.					
6-21	0.00				
SOW BELLY CREEK BELOW QUINTARD RIPARIAN RIGHT Sec. 17-33-55 W.					
9-25	0.00				
PRAIRIE DOG CREEK ABOVE SOW BELLY CREEK JUNCTION Sec. 17-33-55 W.					
10-12	0.00	9-25	0.00		
WARBONNET CREEK BELOW WARBONNET CANAL Sec. 21-33-56 W.					
8-15	0.00	9-25	0.94		
JIM CREEK ABOVE CALADONIA RESERVOIR Sec. 13-33-57 W.					
9-25	0.14				
JIM CREEK ABOVE DOUT RESERVOIR NO. 1 Sec. 13-33-57 W.					
9-25	0.00				

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>HAT CREEK</u>							
WARBONNET CREEK NEAR HARRISON Sec. 10-33-56 W.							
3-6	2.82						
JIM CREEK BELOW WARBONNET JUNCTION Sec. 10-33-56 W.							
8-15	0.00						
MONROE CREEK ABOVE JORDAN RESERVOIR Sec. 23-33-56 W.							
9-25	0.00						
MONROE CREEK BELOW JORDAN RESERVOIR Sec. 22-33-56 W.							
9-25	0.02						
SOW BELLY CREEK BELOW JIM CREEK JUNCTION Sec. 4-33-55 W.							
10-12	0.75	6-11	0.00	8-15	0.00	9-25	0.00
HAT CREEK NEAR MONT ROSE Sec. 13-34-55 W.							
10-12	0.00	10-17	0.00	6-11	0.01	9-25	0.00
HAT CREEK NEAR SEMROSKA RIPARIAN RIGHT Sec. 6-34-54 W.							
10-12	0.00	6-11	0.00				
WHITE HEAD CREEK ABOVE HAT CREEK JUNCTION Sec. 4-34-54 W.							
10-12	0.00						
HAT CREEK NEAR GEISERS BRIDGE Sec. 28-35-54 W.							
10-12	0.00	10-31	1.75	6-11	0.00	8-15	0.00
HAT CREEK NEAR ARDMORE, SOUTH DAKOTA Sec. 21-35-54 W.							
10-12	0.00	11-2	0.00	6-11	0.05	8-15	0.00
10-24	.00	5-4	.34				

WHITE RIVER BASIN

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>WHITE RIVER</u>							
DEEP CREEK NEAR GLEN Sec. 32-31-53 W.							
2-12	0.52						
SOLDIER CREEK NEAR CRAWFORD Sec. 3-31-53 W.							
3-19	4.65						
WHITE CLAY CREEK ABOVE McDOWELL RESERVOIR Sec. 2-31-52 W.							
4-18	2.40						
SQUAW CREEK ABOVE SQUAW CREEK RESERVOIR Sec. 12-31-52 W.							
4-18	0.26	8-6	0.00	8-15	0.05	8-23	0.12
4-25	.22	8-10	.28	8-16	.08	8-24	.07
5-4	.30	8-11	.06	8-17	.00	8-25	.09
5-16	.26	8-12	.00	8-20	.59	8-28	.02
7-25	.82	8-13	.00	8-21	.18	9-18	.00
8-3	.00	8-15	.05				
SQUAW CREEK BELOW SQUAW CREEK RESERVOIR Sec. 12-31-52 W.							
4-25	0.15	5-4	0.42	5-16	0.38		

NIOBRARA RIVER BASIN

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
			LONG PINE CREEK <sup>1</sup> NW $\frac{1}{4}$ Sec. 20-29-20 W.		
7-24	9.83	8-14	10.48	9-6	11.31
			LONG PINE CREEK <sup>1</sup> NW $\frac{1}{4}$ Sec. 17-30-20 W.		
7-24	62.76	8-14	62.08	9-6	65.69
			LONG PINE CREEK <sup>1</sup> SW $\frac{1}{4}$ Sec. 8-30-20 W.		
9-6	93.78				
			LONG PINE CREEK <sup>1</sup> SW $\frac{1}{4}$ Sec. 8-31-20 W.		
7-24	94.28				
			LONG PINE CREEK <sup>1</sup> NE $\frac{1}{4}$ Sec. 5-31-20 W.		
7-24	169.81	8-14	97.38		
			HOLT CREEK NEAR BURTON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 30-35-20 W.		
10-30	1.75				
			BURTON CREEK NEAR BURTON NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 8-34-19 W.		
10-30	2.38				
			SPRING CREEK NEAR MILLS NE $\frac{1}{4}$ Sec. 16-34-18 W.		
10-30	9.47				
			COON CREEK NEAR HIWAY BRIDGE NO. 12 NW $\frac{1}{4}$ Sec. 17-34-17 W.		
10-30	0.72				
			OAK CREEK NEAR BROCKBURG SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-34-16 W.		
10-30	3.24				

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
			VERDIGRE CREEK, MIDDLE BRANCH SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 33-30-8 W.				
5-1	15.3						
			VERDIGRE CREEK, MIDDLE BRANCH NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-30-7 W.				
5-1	22.1	9-24	13.0				
			VERDIGRE CREEK, NORTH BRANCH SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-31-8 W.				
5-1	21.7						
			VERDIGRE CREEK, NORTH BRANCH, AT PAVED ROAD BRIDGE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-30-7 W.				
5-1	23.0	7-23	12.7				

MISSOURI RIVER TRIBUTARIES  
(NIOBRARA TO THE PLATTE)

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>BAZILE CREEK</u>							
BAZILE CREEK AT BAZILE MILLS SW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 4-29-5 W.							
4-16	29.2	6-27	18.0	8-29	18.7	9-24	15.3
5-15	26.8	7-16	11.2				
<u>LOST CREEK</u>							
LOST CREEK NEAR SANTEE SW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 8-32-5 W.							
4-26	3.09						
<u>DEVILS NEST CREEK</u>							
DEVILS NEST CREEK SE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 29-33-3 W.							
4-26	2.10						
<u>WEIGAND CREEK</u>							
WEIGAND CREEK SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 20-33-2 W.							
4-26	4.87						
<u>BEAVER CREEK</u>							
BEAVER CREEK SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 21-33-1 W.							
4-26	10.5	6-13	5.78				
<u>ANTELOPE CREEK</u>							
ANTELOPE CREEK AT HIWAY 81 CROSSING SW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 11-32-1 W.							
6-13	0.00						

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>ANTELOPE CREEK</u>							
ANTELOPE CREEK SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 24-33-1 W.							
4-26	3.96	6-13	4.6				
MINK CREEK NEAR CROFTON NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 14-33-1 W.							
6-12	0.00						
<u>CEDAR COUNTY TRIBUTARY</u>							
MISSOURI RIVER, TRIBUTARY NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 16-33-1 E.							
6-12	0.00						
<u>BOW CREEK</u>							
BOW CREEK, WEST NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 3-31-1 W.							
6-13	4.6						
<u>AMES CREEK</u>							
AMES CREEK SW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 24-32-3 E.							
6-12	0.66						
<u>LIME CREEK</u>							
LIME CREEK SW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 32-32-4 E.							
6-12	3.86						
<u>DEER CREEK</u>							
DEER CREEK NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 34-32-4 E.							
6-12	0.08						

MISSOURI RIVER TRIBUTARIES  
(N IOBRARA TO THE PLATTE)

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>WALNUT CREEK</u>							
WALNUT CREEK NEAR MASKELL NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 34-32-4 E.							
6-12	0.31						
<u>TURKEY CREEK</u>							
TURKEY CREEK NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 6-31-5 E.							
6-12	0.61						
<u>AOWA CREEK</u>							
AOWA CREEK NEAR PONCA NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 22-30-6 E.							
6-12	23.2						
<u>ELK CREEK</u>							
ELK CREEK SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 36-19-7 E.							
6-12	10.8						
<u>OMAHA CREEK</u>							
PIGEON CREEK NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 1-27-8 E.							
6-12	1.44						



NORTH PLATTE RIVER BASIN

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

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.		
OWL CREEK NEAR LYMAN Sec. 21-22-57 W.								SCOTTSDLUFF DRAIN NO. 1 Sec. 25-22-55 W.							
10-26	0.26	8-1	34.0			10-4	1.4	2-23	2.9	6-5	5.5	8-15	5.8		
						10-27	1.0	3-23	3.8	6-19	7.1	8-28	2.7		
						11-30	1.1	4-24	2.3	7-3	3.5	9-11	5.2		
						12-26	1.7	5-3	1.6	7-18	2.0	9-24	5.4		
						1-23	2.9	5-17	4.4	8-1	4.4				
10-26	0.05	8-1	0.27			SCOTTSDLUFF DRAIN NO. 2 Sec. 4-22-54 W.									
OWL CREEK NEAR LYMAN Sec. 1-22-58 W.								10-5	5.5	2-27	5.4	6-6	5.7	8-15	3.6
10-26	2.2	8-1	54.6			10-27	2.6	3-23	3.2	6-19	4.1	8-28	2.8		
						11-30	2.3	4-24	1.3	7-5	3.6	9-11	4.6		
						12-28	3.6	5-4	1.3	7-18	4.9	9-25	6.2		
						1-24	2.3	5-17	1.8	8-1	8.0				
OWL CREEK BELOW HORSE CREEK LATERAL PUMPS Sec. 7-22-57 W.								MELBETA DRAIN Sec. 13-21-54 W.							
10-26	1.4	8-1	50.7			10-4	13.7	11-29	2.1	1-25	2.3	3-26	3.4		
						10-27	3.0	12-28	3.8	2-27	3.9	4-24	2.3		
10-26	0.39	8-1	45.7			FAIRFIELD SEEP Sec. 18-21-53 W.									
LANE DRAIN Sec. 30-23-57 W.								10-5	2.2	2-27	0.0	6-6	0.0	8-1	2.8
10-2	2.5	2-21	3.6	6-18	3.8	8-13	1.4	10-27	1.1	3-23	.8	6-20	1.6	8-15	3.1
10-26	3.3	3-20	2.6	7-2	2.4	8-27	2.7	11-30	1.2	4-24	.2	7-5	1.3	8-29	2.0
11-28	1.9	4-25	2.2	7-16	.8	9-10	2.2	12-28	.0	5-11	.9	7-18	1.7	9-19	3.2
12-26	1.2	5-15	3.0	7-30	2.1	9-27	4.2	1-25	.0						
1-23	1.3	6-4	2.8												
BALD DRAIN Sec. 32-22-56 W.								ALLIANCE DRAIN Sec. 20-22-53 W.							
10-2	5.0	2-21	4.1	6-19	50.0	8-14	8.6	10-5	18.0	2-27	9.1	5-17	5.0	7-25	2.2
10-27	2.9	3-20	1.4	7-3	33.9	8-28	50.4	10-27	13.5	3-23	8.9	6-13	8.3	8-8	3.3
11-28	1.4	4-25	1.8	7-17	14.8	9-11	46.4	11-30	11.6	4-24	6.6	6-27	1.6	9-5	4.4
12-26	1.3	5-15	2.8	7-31	48.8	9-27	47.9	12-28	8.0	5-4	6.6	7-11	2.2	9-19	3.1
2-1	.0	6-5	28.4					1-24	11.6						
FANNING SEEP Sec. 28-23-56 W.								CLEVELAND DRAIN Sec. 6-20-52 W.							
10-2	0.0	11-28	0.0	4-25	0.0	7-17	0.0	10-5	14.6	11-30	2.1	1-25	0.0	3-26	2.9
10-27	.0	12-26	.0	6-5	.0	8-28	.0	10-27	1.6	12-28	2.2	2-27	2.1	4-24	1.5

NORTH PLATTE RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
DeGRAW DRAIN Sec. 24-20-51 W.							
10-6	5.0	3-2	10.6	6-5	8.5	7-31	12.8
10-19	5.5	3-29	4.1	6-19	10.1	8-14	10.2
12-6	2.3	4-9	3.2	7-3	4.3	8-28	12.4
1-19	3.1	4-25	3.0	7-17	6.9	9-20	6.0
2-9	3.3	5-9	5.2				
INDIAN CREEK Sec. 19-20-50 W.							
10-6	12.2	1-19	6.5	3-2	5.9	4-9	5.2
10-19	10.4	2-9	6.0	3-29	5.7	4-25	5.3
12-6	7.3						
PUMPKIN CREEK ABOVE SCOTT RESERVOIR Sec. 12-19-56 W.							
9-7	0.0						
PUMPKIN CREEK BELOW SCOTT RESERVOIR Sec. 7-19-55 W.							
9-7	0.0						
PUMPKIN CREEK ON GERING-KIMBALL HIWAY Sec. 4-19-55 W.							
9-7	0.0						
PUMPKIN CREEK AT MORRILL COUNTY-BANNER COUNTY LINE Sec. 25-19-53 W.							
9-7	0.29						
GREENWOOD CREEK NEAR BRIDGEPORT Sec. 26-19-50 W.							
2-9	4.1	6-5	1.6	6-26	0.0	9-4	0.0
3-2	1.4	6-11	.0	8-7	.0	9-26	.0
4-20	2.8						
LITTLE MOON SEEP Sec. 4-23-49 W.							
10-26	4.5						
RUSH CREEK NEAR LISCO Sec. 17-17-45 W.							
10-2	0.0	2-26	10.2	6-4	0.0	9-5	0.0
11-17	1.7	4-17	3.2	7-2	.0	9-27	.0
1-19	.0	5-4	.9	8-6	.0		

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
LOST CREEK NORTH OF OSHKOSH Sec. 26-17-44 W.							
10-2	0.0	2-23	0.0	6-4	0.0	7-2	0.0
10-30	.0	3-27	.0	6-11	.0	8-6	.0
11-30	.0	5-4	.0	6-25	.0	9-5	.0
1-30	.0						
ASH HOLLOW CREEK NEAR OSHKOSH Sec. 3-15-42 W.							
10-5	0.0	2-23	0.0	7-2	0.0	9-5	0.0
11-17	.0	6-4	.0	8-6	.0	9-27	.0
1-30	.0						
CLEAR CREEK Sec. 5-15-41 W.							
10-2	8.0	1-30	9.2	5-4	10.0	9-13	9.2
10-30	9.1	2-23	10.5	6-4	9.2	9-27	8.2
11-30	9.0	3-27	8.8				
OTTER CREEK NEAR LeMOYNE Sec. 32-16-40 W.							
10-2	19.0	1-30	21.0	5-4	21.3	9-13	20.9
10-30	21.6	2-23	22.6	6-4	23.0	9-27	20.2
11-30	20.0	3-27	21.3				
SAND CREEK Sec. 34-16-40 W.							
10-2	3.8	1-30	3.8	5-4	3.8	9-13	6.1
10-30	3.6	2-23	4.0	6-4	3.9	9-27	5.3
11-30	4.1	3-27	4.0				
LONERGAN CREEK NEAR LeMOYNE Sec. 17-15-39 W.							
10-2	6.8	1-30	4.5	5-4	4.4	9-13	6.4
10-30	7.0	2-23	5.2	6-4	7.6	9-27	6.7
11-30	4.8	3-27	4.9				
SUTHERLAND POND DRAIN AT KEYSTONE Sec. 1-14-38 W.							
10-12	4.1	3-19	4.3	6-4	6.2	8-20	9.9
11-15	4.8	4-18	4.1	7-2	7.8	9-17	7.7
12-13	4.6						

NORTH PLATTE RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
WHITE TAIL CREEK Sec. 36-15-38 W.							
10-3	31.3	3-19	32.4	7-9	29.3	8-27	30.0
11-15	28.8	4-25	31.4	7-23	25.3	9-17	28.5
12-13	29.6	6-4	26.1				
SKUNK CREEK Sec. 1-14-37 W.							
10-6	2.5	3-12	3.1	7-9	2.1	8-20	2.3
11-15	2.6	6-4	.5	7-23	2.1	9-17	2.5
GRAVEL CREEK Sec. 9-14-36 W.							
10-6	2.5	3-12	3.6	7-9	4.4	8-20	2.7
11-15	2.6	6-4	2.5	7-23	2.3	9-17	3.1
SARBEN SLOUGH Sec. 20-14-35 W.							
10-6	7.7	3-13	8.5	6-4	4.7	8-21	5.2
11-17	8.2	4-27	5.9	7-9	6.2	9-18	4.4
CEDAR BRANCH CREEK NEAR NEVINS Sec. 17-14-35 W.							
10-6	2.3	3-13	2.6	6-4	1.8	8-21	1.6
11-17	2.8	4-27	2.4	7-9	1.2	9-18	1.7
KEITH-LINCOLN COUNTY DRAIN NO. 2 Sec. 24-14-35 W.							
10-6	0.01	3-13	0.0	6-4	0.0	9-18	0.0
11-17	.01	4-27	.01	7-9	.01		
LINCOLN COUNTY DRAIN NO. 2 Sec. 12-14-33 W.							
3-13	3.7	6-4	1.3	7-31	6.0	9-20	1.4
4-19	2.0	7-9	1.7	8-21	2.6		
BIRDWOOD CREEK, WEST, NORTH OF SARBEN Sec. 2-16-35 W.							
10-18	19.0	11-17	19.9				
BIRDWOOD CREEK NEAR SUTHERLAND Sec. 2-15-33 W.							
10-19	130.	11-16	130.				

SOUTH PLATTE RIVER BASIN  
(LOGGEPOL E CREEK)

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
LOGGEPOL E CREEK AT WYOMING-NEBRASKA STATE LINE Sec. 11-14-59 W.							
4-18	0.0	5-16	0.0	6-1	0.0	7-16	0.0
4-30	.0						
LOGGEPOL E CREEK BELOW OLIVER RESERVOIR Sec. 31-15-56 W.							
10-3	3.7	12-29	4.2	4-17	6.6	8-1	4.6
10-17	4.1	1-12	6.7	4-30	8.2	8-16	2.3
10-31	4.2	2-2	6.8	5-16	7.9	8-30	4.5
11-16	4.3	2-22	10.6	6-1	4.4	9-11	2.9
11-30	7.4	3-2	8.9	7-16	10.8	9-26	3.5
12-15	6.6	3-28	9.9				
LOGGEPOL E CREEK ABOVE BENNETT RESERVOIR Sec. 29-15-55 W.							
4-18	6.8	4-30	9.6	5-16	10.0	6-1	7.4
LOGGEPOL E CREEK BELOW BENNETT RESERVOIR Sec. 22-15-55 W.							
4-30	0.1	7-16	2.7	8-16	2.0	9-11	1.8
5-16	.1	8-1	5.0	8-30	3.1	9-26	1.7
6-1	.1						
LOGGEPOL E CREEK BELOW BENNETT CANAL Sec. 22-15-55 W.							
8-16	0.5	8-30	2.2				
LOGGEPOL E CREEK NEAR KIMBALL Sec. 28-15-55 W.							
10-16	2.8	3-19	18.8	7-17	0.4	8-30	4.3
11-20	2.6	4-16	12.0	8-1	.6	9-11	2.4
12-18	2.0	5-14	10.2	8-14	.7	9-17	3.2
1-15	5.9	6-20	5.3	8-16	.8	9-26	4.5
2-12	8.8	7-16	1.9				
LOGGEPOL E CREEK BELOW PEETZ PUMP Sec. 35-14-49 W.							
6-21	1.5						

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
LOGGEPOL E CREEK ABOVE KRUEGER CANAL Sec. 31-14-48 W.					
6-21	0.4				
LOGGEPOL E CREEK BELOW KRUEGER LAKE Sec. 32-14-48 W.					
6-21	0.0				
LOGGEPOL E CREEK SOUTHEAST OF LOGGEPOL E Sec. 32-14-46 W.					
4-9	0.0				

SOUTH PLATTE RIVER BASIN  
(SOUTH PLATTE RIVER)

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
FREMONT SLOUGH ON HIGHWAY 83 Sec. 16-13-30 W.							
10-10	16.9	4-23	29.3	6-5	21.6	7-26	24.2
12-14	23.6	6-4	25.1	7-6	31.8	8-23	18.5
3-8	36.4						
FREMONT SLOUGH Sec. 17-13-29 W.							
10-10	8.3	4-23	8.9	6-5	8.6	7-26	7.8
3-8	9.7	6-5	7.2	7-10	9.8	8-23	8.5

PLATTE RIVER BASIN

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>PLATTE, BRANCH CONFLUENCE TO LOUP</u>							
AIRPORT DRAIN Sec. 7-13-29 W.							
6-5	17.2	7-10	24.3	9-7	21.5		
FLOCK DRAIN Sec. 8-13-29 W.							
10-10	5.4	4-23	6.0	6-5	7.5	7-26	9.1
3-8	5.5	6-5	6.2	7-10	7.2	8-23	7.4
WHITE HORSE CREEK Sec. 5-13-29 W.							
10-5	6.0	12-14	12.2	3-9	70.0	4-16	28.7
BULL DRAIN NEAR MAXWELL Sec. 20-13-28 W.							
10-5	2.4	4-16	4.6	6-5	3.5	7-26	3.0
12-14	3.7	6-4	2.8	7-6	3.2	9-7	2.8
3-9	4.9						
PAWNEE CREEK Sec. 4-12-27 W.							
10-2	5.9	4-9	15.3	6-25	10.0	8-6	11.5
11-9	8.8	4-25	18.8	7-12	6.8	8-29	9.4
12-15	9.6	6-5	9.6	7-23	6.7	9-14	9.3
2-21	13.9						
SHELDON DRAIN Sec. 14-11-26 W.							
11-9	7.2	4-9	8.7	6-27	7.8	8-15	14.3
12-21	7.4	5-3	8.2	7-12	10.4	8-29	13.2
3-9	8.6	6-6	6.5	7-25	11.4	9-14	8.9
DAWSON COUNTY DRAIN NO. 2 NEAR DARR Sec. 25-10-23 W.							
10-2	4.8	12-21	0.0	4-9	0.0	4-25	4.8
11-16	.0	3-9	3.7				
PLATTE RIVER, TRIB. TO, NEAR OVERTON Sec. 10-8-20 W.							
10-25	0.0	11-28	0.0	1-24	0.0	4-6	0.0

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>PLATTE, BRANCH CONFLUENCE TO LOUP</u>							
LARSON DRAIN NEAR OVERTON Sec. 10-8-20 W.							
10-25	1.8	11-28	1.9	1-24	1.9	4-6	3.0
PLATTE RIVER, TRIB. TO, NEAR WESTMARK Sec. 18-8-19 W.							
10-25	0.0	11-28	0.0	1-24	0.0	4-6	0.0
STREVER CREEK SOUTH OF OVERTON Sec. 1-8-20 W.							
10-3	0.2	11-21	0.0	1-24	0.0	4-5	9.1
10-17	.0	12-5	.0	3-7	34.1	4-24	9.8
PLATTE RIVER, TRIB. TO, NEAR WESTMARK Sec. 23-8-19 W.							
10-30	0.0	1-24	0.0	4-6	0.0		
PLATTE RIVER, SOUTH CHANNEL, NEAR ELM CREEK Sec. 13-8-19 W.							
10-30	5.6	4-6	14.2				
PLATTE RIVER, TRIB. NO. 2 TO, NEAR ELM CREEK Sec. 18-8-18 W.							
10-30	0.0	1-24	0.0	4-6	0.0		
PLATTE RIVER, TRIB. NO. 4 TO, NEAR HOLDREGE Sec. 7-7-18 W.							
10-30	0.65	1-25	0.49	4-6	1.5		
BUFFALO CREEK NEAR DARR Sec. 28-11-22 W.							
10-25	0.0	11-28	0.0	1-24	0.0	4-5	0.0
BUFFALO CREEK NEAR OVERTON Sec. 20-9-19 W.							
10-25	0.0	11-28	0.0	1-24	0.0	4-5	0.0
BUFFALO CREEK NEAR ELM CREEK Sec. 5-8-18 W.							
10-3	0.0	12-5	0.0	3-8	3.0	4-24	0.0
11-2	.0	1-24	.0	4-2	.0		

PLATTE RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>PLATTE, BRANCH CONFLUENCE TO LOUP</u>							
ELM CREEK NEAR OVERTON Sec. 17-10-19 W.							
10-25	0.0	11-28	0.0	1-24	0.0	4-5	0.0
ELM CREEK NEAR ELM CREEK Sec. 33-9-18 W.							
10-3	0.0	12-5	0.0	3-8	77.1	4-24	0.0
11-2	.0	1-24	.0	4-2	.0		
PLATTE RIVER, TRIB. NO. 4 TO, NEAR ELM CREEK Sec. 2-7-28 W.							
10-30	0.30	4-6	1.6				
PLATTE RIVER, TRIB. NO. 4 TO, NEAR ODESSA Sec. 18-8-17 W.							
10-30	0.0	1-24	0.0	4-13	1.0		
PLATTE RIVER, TRIB. TO, NEAR ODESSA Sec. 21-8-17 W.							
10-30	0.0	1-24	0.0	4-13	0.0		
PLATTE RIVER, TRIB. TO NEAR ODESSA Sec. 14-8-17 W.							
10-30	0.0	1-25	0.0	4-13	3.0		
WHISKEY SLOUGH NEAR KEARNEY Sec. 21-8-16 W.							
10-30	0.0	1-25	0.0	4-13	2.9		
DRY CREEK, NORTH, NEAR KEARNEY Sec. 5-7-16 W.							
10-30	3.2	4-13	9.8				
DRY CREEK, NORTH, NEAR KEARNEY Sec. 22-8-16 W.							
10-30	2.6	4-13	12.1				

PLATTE RIVER BASIN  
(LOUP RIVER)

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER LOUP RIVER</u>							
BEAVER CREEK NORTH OF BARTLETT SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-22-11 W.							
9-19	0.23						
BEAVER CREEK 11 MILES EAST OF 281 BRIDGE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-23-9 W.							
9-19	6.51						
BEAVER CREEK AT BRIDGE ON COUNTY ROAD SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-22-8 W.							
9-19	10.9						
BEAVER CREEK AT WEST END OF RANCH SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-22-8 W.							
9-19	12.2						
BEAVER CREEK AT RANCH CROSSING SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-22-8 W.							
9-19	19.8						
BEAVER CREEK AREA-ARTESIAN WELLS AT WAGNER RANCH Sec. 15-22-8 W.							
9-19	12.8	9-19	12.2	9-19	4.3	9-19	2.9
9-19	13.6						
BEAVER CREEK AT EAST END OF RANCH NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-22-8 W.							
9-19	22.9						
BEAVER CREEK NEAR LORETTO NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 26-21-7 W.							
7-24	39.8						



PLATTE RIVER BASIN

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>PLATTE, LOUP TO ELKHORN</u>							
LOST CREEK NEAR SCHUYLER SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 22-17-3 E.							
1-22	5.03 <sup>1</sup>	5-7	14.8	7-19	5.2	9-18	6.01
4-19	16.7	6-13	9.22	8-7	1.89		
SHONKA DITCH <sup>1</sup> SW $\frac{1}{4}$ Sec. 16-17-3 E.							
1-22	3.53						
SKULL CREEK NEAR LINWOOD ABOVE A-13363 NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-17-4 E.							
8-9	1.68	8-13	1.65				

PLATTE RIVER BASIN  
(ELKHORN RIVER)

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>UPPER ELKHORN</u>					
DRY CREEK NEAR O'NEILL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-28-11 W.					
6-5	9.75				
ELKHORN RIVER SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-28-10 W.					
8-29	58.5				
ELKHORN RIVER, TRIBUTARY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-28-10 W.					
6-5	0.00				
ELKHORN RIVER, TRIBUTARY SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 1-27-10 W.					
6-5	0.00				
ELKHORN RIVER, TRIBUTARY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-27-9 W.					
6-5	0.00				
WILLOW SWAMP CREEK NEAR EWING SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13-27-10 W.					
6-4	1.72	8-22	1.2		
CACHE CREEK NEAR EWING SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13-26-6 W.					
6-4	13.2				
HACKBERRY CREEK NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-26-7 W.					
6-5	0.00				
ELKHORN RIVER, TRIBUTARY NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-25-7 W.					
6-4	0.00				

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>UPPER ELKHORN</u>					
ANTELOPE CREEK NEAR NELIGH NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-25-7 W.					
6-5	0.71				
HALL CREEK NEAR NELIGH NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-25-6 W.					
6-4	0.07				
BELMAR CREEK NEAR NELIGH NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 21-25-6 W.					
6-4	0.19				
CEDAR CREEK AT OAKDALE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-24-6 W.					
4-5	15.2				
ELKHORN RIVER, TRIB., NEAR OAKDALE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-24-6 W.					
6-4	0.00				
ELM CREEK NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-24-5 W.					
6-4	0.00				
TRUEBLOOD CREEK NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 4-24-5 W.					
6-5	0.28				
ST. CLAIR CREEK NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-24-5 W.					
6-4	0.00				
IVES CREEK NEAR TILDEN NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15-24-5 W.					
4-5	0.6	6-4	0.42		
GILES CREEK NEAR TILDEN SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13-24-5 W.					
4-5	2.11	6-4	1.69		

PLATTE RIVER BASIN  
(ELKHORN RIVER)

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>UPPER ELKHORN</u>					
AL HOPKINS CREEK SW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 12-24-5 W.					
6-5	0.76				
DRY CREEK NW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 21-24-4 W.					
6-4	0.98				
BUFFALO CREEK NEAR MEADOW GROVE NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 26-24-4 W.					
4-25	4.29	6-4	3.58		
ELKHORN RIVER, TRIBUTARY SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 24-24-4 W.					
6-4	0.00				
DEER CREEK NEAR MEADOW GROVE NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 30-24-3 W.					
4-5	4.72	6-4	4.36		
BATTLE CREEK NEAR BATTLE CREEK SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 36-24-3 W.					
4-5	20.5				
BATTLE CREEK NEAR BATTLE CREEK SW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 31-24-2 W.					
6-4	15.9	7-20	11.4		
ELKHORN RIVER, TRIBUTARY NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 34-24-2 W.					
6-5	2.17				
ELKHORN RIVER, TRIBUTARY NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 3-23-2 W.					
6-5	0.38				
ELKHORN RIVER, TRIB., NEAR NORFOLK SE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 6-23-1 W.					
6-5	0.57				

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>UPPER ELKHORN</u>							
ELKHORN RIVER, TRIB., NEAR NORFOLK SE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 5-23-1 W.							
6-5	1.01						
<u>NORTH FORK OF THE ELKHORN</u>							
ELKHORN RIVER, NORTH BRANCH, NORTH FORK NEAR OSMOND SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 30-28-2 W.							
4-25	0.00						
ELKHORN RIVER, EAST BRANCH, NORTH FORK NEAR OSMOND SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 29-28-2 W.							
4-25	0.00						
ELKHORN RIVER, NORTH FORK NEAR OSMOND NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 1-27-3 W.							
4-25	1.62						
ELKHORN RIVER, WEST BRANCH, NORTH FORK NEAR OSMOND NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 2-27-3 W.							
4-25	0.39						
BRESLAU CREEK NEAR BRESLAU NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 4-27-3 W.							
4-25	0.76						
DRY CREEK NEAR PIERCE SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 10-26-2 W.							
10-20	5.61	4-24	17.1	7-20	6.19		
YANKTON SLOUGH NEAR PIERCE SE $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 1-26-2 W.							
4-24	0.02						
YANKTON SLOUGH NEAR PIERCE SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 13-26-2 W.							
7-20	0.00						

PLATTE RIVER BASIN  
(ELKHORN RIVER)

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>NORTH FORK OF THE ELKHORN</u>							
ELKHORN RIVER, NORTH FORK TRIB., NEAR PIERCE NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 36-26-2 W.							
4-25	0.00						
ELKHORN RIVER, NORTH FORK TRIB., NEAR HADAR NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 19-25-1 W.							
4-25	0.22						
ELKHORN RIVER, NORTH FORK TRIB., NEAR HADAR NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34-25-1 W.							
4-25	0.04						
HADAR CREEK NEAR HADAR NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 32-25-1 W.							
4-25	0.57						
SPRING CREEK NEAR NORFOLK SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 11-24-1 W.							
4-25	7.2						
<u>MIDDLE ELKHORN</u>							
ELKHORN RIVER, TRIBUTARY SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 5-23-1 E.							
5-16	0.21						
ELKHORN RIVER, TRIBUTARY SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 29-23-1 E.							
5-16	1.88						
ELKHORN RIVER, TRIBUTARY SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 23-23-1 E.							
5-16	0.24						
ELKHORN RIVER, TRIBUTARY SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 26-23-1 E.							
5-16	4.56						

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>MIDDLE ELKHORN</u>							
PLEASANT RUN NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 25-23-1 E.							
5-16	1.19						
BUTTERFLY CREEK SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 32-23-2 E.							
5-16	1.23						
MASKENTHINE CREEK SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 20-23-2 E.							
5-16	0.83						
INDIAN CREEK NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 21-23-2 E.							
5-16	0.36						
CEDAR CREEK NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 19-23-3 E.							
5-16	1.20						
PAYNE CREEK NEAR STANTON SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 12-23-2 E.							
4-19	0.87	6-22	0.55	8-7	0.29	9-20	0.08
5-16	1.52	7-13	0.44				
HUMBUG CREEK NEAR PILGER SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 28-24-3 E.							
4-19	6.99	6-22	4.81	8-6	3.09	9-20	1.99
5-16	8.91	7-13	4.63				
SAND CREEK SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 29-24-4 E.							
5-8	1.24						
LEISY CREEK NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 10-23-4 E.							
5-8	0.08						

PLATTE RIVER BASIN  
(ELKHORN RIVER)

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>MIDDLE ELKHORN</u>							
ROCK CREEK SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33-23-5 E.							
5-8	9.79						
PLUM CREEK NEAR WEST POINT SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-22-6 E.							
4-19	11.6	6-12	10.5	8-7	2.67	9-20	2.74
5-8	14.2	7-25	10.5				
WORTMANS CREEK NEAR WEST POINT NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 14-21-6 E.							
5-8	0.11						
ELKHORN RIVER, TRIBUTARY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-21-6 E.							
5-8	0.18						
ELKHORN RIVER, TRIBUTARY NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-21-6 E.							
5-8	1.04						
ELKHORN RIVER, TRIBUTARY NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-21-6 E.							
5-8	0.00						
COFFEE CREEK SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28-21-6 E.							
5-8	1.01						
CUMING CREEK NEAR SCRIBNER SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-20-7 E.							
4-19	7.71	6-13	2.88	8-7	1.55	9-4	1.77
5-7	7.49	7-25	2.08				
<u>LOGAN CREEK</u>							
LOGAN CREEK, MIDDLE, TRIB. NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-28-2 E.							
7-3	0.00						

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOGAN CREEK</u>							
LOGAN CREEK, MIDDLE, NEAR LAUREL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-28-3 E.							
7-3	6.94						
LOGAN CREEK NEAR LAUREL SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-29-3 E.							
9-18	6.25						
PERRIN CREEK NEAR LAUREL SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 30-29-3 E.							
7-3	5.82						
BAKER CREEK NEAR LAUREL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-28-3 E.							
7-3	1.62						
LOGAN CREEK, TRIB., NEAR CONCORD NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-28-4 E.							
7-3	2.92						
LOGAN CREEK, TRIB., NEAR CONCORD NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-28-4 E.							
7-3	0.00						
LOGAN CREEK, TRIBUTARY SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 1-27-4 E.							
7-3	0.07						
DEER CREEK, TRIB., NEAR WAYNE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-26-3 E.							
4-24	3.74						
DEER CREEK NEAR WAYNE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-26-3 E.							
4-24	6.07	7-3	4.7				
LOGAN CREEK, SOUTH, AT WAYNE Sec. 18-26-4 E.							
4-24	11.8	6-22	14.4	7-13	7.76	8-6	2.99

PLATTE RIVER BASIN  
(ELKHORN RIVER)

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

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>LOGAN CREEK</u>													
DOG CREEK NEAR WAYNE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 26-27-3 E.													
4-24	9.68												
DOG CREEK NEAR WAYNE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-26-4 E.													
7-3	7.75												
LOGAN CREEK, SOUTH, NEAR WAKEFIELD NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-27-5 E.													
4-24	31.2	7-3	25.8										
<u>LOWER ELKHORN</u>													
CLARK CREEK NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19-19-9 E.													
5-7	3.94												
MAPLE CREEK, MIDDLE, TRIBUTARY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2-20-2 E.													
5-7	0.62												
MAPLE CREEK, MIDDLE, TRIBUTARY SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11-20-2 E.													
5-7	2.38												
MAPLE CREEK, MIDDLE, TRIBUTARY NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-20-2 E.													
5-7	0.35												
MAPLE CREEK, MIDDLE, TRIBUTARY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-20-3 E.													
5-7	0.66												
MAPLE CREEK, MIDDLE, AT CLARKSON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-20-3 E.													
4-19	7.43	6-13	2.76	8-7	0.58	9-20	0.22						
5-7	7.73	7-25	4.90										
						<u>LOWER ELKHORN</u>							
						MAPLE CREEK, MIDDLE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-18-4 E.							
						5-7	8.96						
						DRY CREEK NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-18-3 E.							
						5-7	2.67						
						DRY CREEK, TRIBUTARY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-18-3 E.							
						5-7	0.21						
						POND CREEK NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 22-18-4 E.							
						5-7	0.00						
						MAPLE CREEK, EAST FORK, NEAR SCHUYLER NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-18-4 E.							
						5-7	7.25	9-5	0.16				
						BELL CREEK ABOVE MONKE NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-19-9 E.							
						5-7	31.0	7-25	9.6	8-23	1.31	9-4	10.2
						6-13	16.9	8-7	3.05				
						BELL CREEK BELOW MORAVEC NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-18-9 E.							
						8-9	0.45						
						BELL CREEK NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-17-10 E.							
						8-7	2.95						
						RAWHIDE CREEK NEAR FREMONT SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-17-8 E.							
						5-7	3.38						



MISSOURI RIVER TRIBUTARIES

(PLATTE TO LITTLE NEMAHA)

MEASUREMENT OF STREAMS Year Ending September 30, 1979				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1979			
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		<u>WEeping WATER CREEK</u>				<u>WEeping WATER CREEK</u>	
		WEeping WATER CREEK NEAR ELMWOOD SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-10-10 E.		6-20	0.60	WOLF CREEK NEAR UNION SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-10-13 E.	
6-20	3.97						
		STOVE CREEK NEAR ELMWOOD SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-10-10 E.					
6-20	2.02						
		WEeping WATER CREEK NEAR WEeping WATER NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3-10-11 E.					
6-20	36.2						
		CASCADE CREEK NEAR WEeping WATER SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-10-11 E.					
6-20	0.46						
		CEDAR CREEK, SOUTH, NEAR WEeping WATER SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 32-11-12 E.					
6-20	4.13						
		WEeping WATER CREEK, TRIB. TO, NEAR NEHAWKA SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-10-13 E.					
6-20	6.8						
		JORDAN CREEK NEAR UNION SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-9-13 E.					
6-20	0.66						
		GOOSE CREEK NEAR UNION SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-9-13 E.					
6-20	0.56						
		BIG SLOUGH CREEK NEAR UNION NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33-10-13 E.					
6-20	2.58						
		WEeping WATER CREEK, SOUTH BRANCH, NEAR UNION NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-10-13 E.					
6-20	15.9						



LITTLE NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1979					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1979				
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		NEMAHA RIVER, LITTLE, NEAR BENNET NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10-8-8 E.					TURKEY CREEK NEAR COOK NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-6-11 E.		
11-9	0.2					11-15	1.57	6-12	1.52
		SILVER CREEK NEAR PALMYRA NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2-8-9 E.					COON CREEK NEAR COOK NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-6-11 E.		
11-9	1.37	6-21	2.8			11-15	0.60	6-12	0.62
		HOOPER CREEK NEAR UNADILLA SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33-9-10 E.					NEMAHA RIVER, LITTLE, SOUTH FORK, NEAR TALMAGE NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 29-7-12 E.		
11-9	4.62	6-21	4.09			6-21	23.2		
		RUSSELL CREEK NEAR UNADILLA SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-8-10 E.					NEMAHA RIVER, LITTLE, NEAR TALMAGE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20-7-12 E.		
11-9	1.11	6-21	0.58			6-21	52.5		
		WOLF RUN NEAR SYRACUSE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-8-11 E.					SPRING CREEK NEAR TALMAGE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-7-12 E.		
11-9	3.27	6-21	2.13			6-21	3.3		
		NEMAHA RIVER, LITTLE, NEAR SYRACUSE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-8-11 E.					NEMAHA RIVER, LITTLE, NORTH FORK, NEAR OTOE SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-9-12 E.		
11-9	16.1	6-20	33.4			11-15	4.33	6-20	6.81
		BROWNELL CREEK NEAR SYRACUSE Sec. 26-8-11 E.					WILSON CREEK NEAR DUNBAR SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-8-12 E.		
11-15	2.05	6-20	2.42			11-15	1.2	6-20	0.90
		MUDDY CREEK NEAR SYRACUSE Sec. 23-7-11 E.					FOX CREEK NEAR DUNBAR SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-8-13 E.		
11-9	3.71	6-21	3.71			11-15	2.32	6-20	1.54
		NEMAHA RIVER, LITTLE, SOUTH FORK, AT DOUGLAS SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11-7-9 E.					NEMAHA RIVER, LITTLE, NORTH FORK, NEAR TALMAGE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-7-12 E.		
11-15	0.77	6-21	1.01			11-15	14.3	6-21	12.7
		SILVER CREEK NEAR COOK NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12-6-11 E.					JONES CREEK NEAR BROCK SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-6-13 E.		
11-15	1.37	6-12	1.45			6-21	1.6		
							SANDY CREEK NEAR TALMAGE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31-7-13 E.		
						6-21	1.47		

LITTLE NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
6-21	1.56						
6-21	2.20						
6-21	6.3						
6-22	1.21						
6-22	1.44						
6-22	5.14						
6-15	3.62						
6-15	2.6						
6-22	2.08						
6-22	2.04						

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
6-15	4.75						
6-15	2.87						

MISSOURI RIVER TRIBUTARIES  
(LITTLE NEMAHA TO BIG NEMAHA)

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
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WINNEBAGO CREEK

WINNEBAGO CREEK NEAR RULO  
SE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 30-2-18 E.

11-8	7.70						
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BIG NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1979				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1979			
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>NORTH FORK OF THE BIG NEMAHA</u>				<u>NORTH FORK OF THE BIG NEMAHA</u>			
NEMAHA RIVER, BIG, MIDDLE BRANCH NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26-6-8 E.				LAFLINS BRANCH CREEK NEAR CRAB ORCHARD SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 4-4-9 E.			
6-11	3.59			11-1	0.14	6-11	0.38
SHAW CREEK NEAR ADAMS SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-6-8 E.				LOST BRANCH CREEK NEAR VESTA SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-5-9 E.			
10-30	0.62	6-11	1.56	10-30	0.44	6-11	1.38
JAKES CREEK NEAR ADAMS NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-6-8 E.				YANKEE CREEK NEAR VESTA SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-5-9 E.			
10-30	0.76	6-11	0.29	11-1	1.99	6-11	3.64
NEMAHA RIVER, BIG, NORTH FORK, NEAR STERLING NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 16-6-9 E.				BREWERS BRANCH NEAR TECUMSEH SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-5-10 E.			
10-30	1.41			10-30	0.19	6-11	0.26
NEMAHA RIVER, BIG, NORTH FORK, NEAR STERLING SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 21-6-9 E.				BADGER BRANCH NEAR TECUMSEH NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-5-11 E.			
6-11	4.60			10-30	1.09	6-12	1.79
NEMAHA RIVER, BIG, NORTH FORK, NEAR STERLING NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-6-9 E.				TOWN BRANCH CREEK NEAR TECUMSEH NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33-5-11 E.			
10-30	11.1	6-11	15.5	10-30	0.17	6-12	0.26
HOOKER CREEK NEAR STERLING NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-6-9 E.				CORSON BRANCH NEAR TECUMSEH SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3-4-11 E.			
10-30	0.23	6-11	0.52	10-30	0.36	6-12	0.47
PRATTS BRANCH CREEK NEAR STERLING SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 25-6-9 E.				TODD CREEK NEAR ELK CREEK NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-4-11 E.			
10-30	0.0	6-11	0.0	11-1	0.96	6-12	1.44
DEER CREEK NEAR ST. MARY NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-5-10 E.				ELK CREEK NEAR ELK CREEK SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-4-12 E.			
10-30	0.0			11-1	3.26	6-12	4.30
BEATTY CREEK NEAR ST. MARY NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22-5-10 E.				ROBINSON CREEK NEAR ELK CREEK SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-4-12 E.			
10-30	0.0			11-1	0.1	6-12	0.21

BIG NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>NORTH FORK OF THE BIG NEMAHA</u>					
CLEAR CREEK AT TABLE ROCK SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 32-3-12 E.					
11-2	1.81	6-12	2.60		
TAYLOR BRANCH NEAR TABLE ROCK NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-3-12 E.					
11-2	1.3	6-12	2.01		
ROUND GROVE CREEK NEAR HUMBOLDT SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 5-2-13 E.					
11-3	0.20	6-13	0.46		
KIRKMANS BRANCH NEAR HUMBOLDT SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 32-3-13 E.					
11-3	0.57	6-13	0.63		
LONG BRANCH AT HUMBOLDT SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-2-13 E.					
11-3	5.59	6-13	5.38		
BARNEYS BRANCH NEAR DAWSON NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 23-2-14 E.					
11-8	0.40	6-14	3.45		
<u>TURKEY CREEK BRANCH, SOUTH FORK OF THE BIG NEMAHA</u>					
TURKEY CREEK NEAR STEINAUER NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-3-10 E.					
11-2	0.71	6-12	2.52		
ROCK CREEK NEAR STEINAUER SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 24-3-10 E.					
11-2	0.75	6-12	1.26		
TURKEY CREEK NEAR PAWNEE CITY SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-2-11 E.					
11-2	3.0	6-13	4.73		

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>TURKEY CREEK BRANCH, SOUTH FORK OF THE BIG NEMAHA</u>					
BALLS BRANCH CREEK NEAR PAWNEE CITY SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 30-2-11 E.					
11-2	1.74	6-12	3.14		
TURKEY CREEK, WEST BRANCH, NEAR PAWNEE CITY SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 33-2-11 E.					
11-2	3.61	6-13	7.07		
JOHNSON CREEK NEAR PAWNEE CITY SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 26-1-11 E.					
11-2	1.29	6-13	4.30		
<u>SOUTH FORK OF THE BIG NEMAHA</u>					
NEGRO BRANCH CREEK NEAR DUBOIS NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-1-12 E.					
11-2	0.38	6-13	0.77		
LORES BRANCH CREEK NEAR DUBOIS NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-1-12 E.					
6-13	1.02				
LORES BRANCH CREEK NEAR DUBOIS SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 24-1-12 E.					
11-2	0.43				
FOUR MILE CREEK NEAR HUMBOLDT NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-1-14 E.					
11-7	4.39	6-14	5.35		
EASLY CREEK NEAR SALEM NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-1-14 E.					
11-7	2.8	6-14	3.34		
RATTLESNAKE CREEK NEAR SALEM NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-1-14 E.					
11-7	1.16	6-14	1.61		

BIG NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>SOUTH FORK OF THE BIG NEMAHA</u>					
SPRING CREEK NEAR SALEM SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-1-14 E.					
11-7	2.83	6-14	5.25		
HOLY CREEK NEAR SALEM Sec. 1-1-14 TO 11-1-14 E.					
11-7	0.16	6-14	0.0		
HONEY CREEK NEAR SALEM NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13-1-14 E.					
11-7	1.28	6-14	2.64		
CONTRARY CREEK NEAR SALEM NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15-1-15 E.					
11-7	1.02	6-14	0.97		
ROCK CREEK NEAR SALEM NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-1-15 E.					
11-7	3.89	6-14	7.16		
<u>LOWER BIG NEMAHA</u>					
PONY CREEK NEAR FALLS CITY SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22-1-16 E.					
11-17	12.4	6-14	11.8		
WALNUT CREEK NEAR FALLS CITY SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-1-16 E.					
11-7	30.1	6-14	17.1		
MUDDY CREEK NEAR AUBURN SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-4-13 E.					
11-8	1.8	6-22	1.71		
MUDDY CREEK, TRIB. TO, NEAR AUBURN SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-4-13 E.					
11-8	1.13	6-22	1.04		

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER BIG NEMAHA</u>					
WHISKEY RUN NEAR STELLA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-3-14 E.					
11-3	1.44	6-13	1.80		
DRY BRANCH NEAR STELLA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-3-14 E.					
11-3	1.05	6-13	0.80		
MUDDY CREEK, LITTLE, NEAR STELLA NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19-3-15 E.					
11-3	7.28	6-13	7.39		
HOOSIER CREEK NEAR STELLA SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-3-15 E.					
11-3	0.56	6-13	0.46		
SARDINE BRANCH CREEK NEAR VERDON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2-2-15 E.					
11-3	1.78	6-13	1.82		
MACKELROY CREEK NEAR VERDON SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-2-16 E.					
11-3	3.45	6-13	2.69		
GOOLSBY CREEK NEAR VERDON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 28-2-16 E.					
11-3	3.82	6-15	3.93		
SILVER BRANCH CREEK NEAR FALLS CITY SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 23-2-16 E.					
11-8	0.70	6-15	1.02		
HALFBREED CREEK NEAR FALLS CITY SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19-2-16 E.					
11-8	3.21	6-15	3.89		
NOHARTS BRANCH CREEK NEAR RULO SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-1-17 E.					
1-8	4.58	6-14	5.50		

REPUBLICAN RIVER BASIN

MEASUREMENT OF STREAMS  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>UPPER REPUBLICAN</u>							
HORSE CREEK NEAR PARKS Sec. 23-1-39 W.							
5-17	0.95						
<u>REPUBLICAN, FRENCHMAN TO HARLAN DAM</u>							
REPUBLICAN RIVER BELOW CAMBRIDGE DIVERSION Sec. 27-4-25 W.							
7-18	106.						
<u>LOWER REPUBLICAN</u>							
EUREKA CREEK NEAR REPUBLICAN CITY NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 36-2-17 W.							
6-20	0.17						
EUREKA CREEK NEAR REPUBLICAN CITY SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1-1-17 W.							
10-25	0.60	6-4	0.28	6-20	0.29		
CRYSTAL CREEK NEAR REPUBLICAN CITY SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-1-17 W.							
6-20	0.12						
CRYSTAL CREEK NEAR NAPONEE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-1-16 W.							
10-26	0.00	6-5	0.26				
TURKEY CREEK NEAR NAPONEE NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 20-2-16 W.							
10-25	7.73	6-4	10.4	6-21	8.66		
TURKEY CREEK NEAR NAPONEE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 4-1-16 W.							
10-25	9.14	6-21	8.92				

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER REPUBLICAN</u>							
TURKEY CREEK NEAR NAPONEE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-1-16 W.							
10-25	8.27	6-4	11.8				
REPUBLICAN RIVER, TRIB. TO, NEAR NAPONEE SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-1-16 W.							
10-25	0.00						
REBECCA CREEK NEAR NAPONEE SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 14-1-16 W.							
10-25	0.00	6-5	0.47				
REPUBLICAN RIVER, TRIB. TO, NEAR NAPONEE Sec. 2-1-16 W.							
6-4	0.03						
COTTONWOOD CREEK NEAR BLOOMINGTON SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-1-16 W.							
10-24	3.49	6-4	3.82				
COTTONWOOD CREEK, LITTLE, NEAR BLOOMINGTON SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-1-15 W.							
10-24	1.96	6-4	1.76				
LOCHLIE CREEK NEAR BLOOMINGTON NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13-1-16 W.							
10-25	0.00	6-5	0.00				
REPUBLICAN RIVER, TRIB. TO, NEAR BLOOMINGTON NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17-1-15 W.							
10-24	0.01	6-5	0.03				
LOST CREEK NEAR BLOOMINGTON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10-1-15 W.							
10-24	0.03	6-5	1.34				

REPUBLICAN RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER REPUBLICAN</u>					
REPUBLICAN RIVER, TRIB. TO, NEAR FRANKLIN NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31-2-14 W.					
10-24	0.58	6-6	0.65		
CALUMET CREEK NEAR FRANKLIN SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-1-14 W.					
10-24	0.00	6-5	0.02		
WASP CREEK NEAR FRANKLIN NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-2-14 W.					
10-24	0.00	6-6	0.00		
COATES CREEK NEAR FRANKLIN NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33-2-14 W.					
10-24	1.01	6-6	0.95		
REAMS CREEK NEAR FRANKLIN SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 3-1-14 W.					
10-24	0.00	6-5	0.10		
LOVELY CREEK NEAR FRANKLIN NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-2-14 W.					
10-24	1.46	6-5	1.14		
LOHFF-SCHOOL CREEK NEAR RIVERTON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 4-1-13 W.					
10-24	0.00	6-5	0.00		
ROCK CREEK NEAR RIVERTON NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11-1-13 W.					
10-24	0.00	6-5	0.19		
FARMERS CREEK NEAR INAVALE SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-1-12 W.					
10-24	2.55	6-6	2.54		

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER REPUBLICAN</u>							
WALNUT CREEK NEAR INAVALE SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-1-12 W.							
10-24	0.00	6-6	2.44				
SPRING CREEK AT INAVALE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-2-12 W.							
10-23	0.00	6-6	0.00				
DRY CREEK NEAR INAVALE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-1-12 W.							
10-24	0.00	6-6	0.0				
BUFFALO CREEK NEAR INAVALE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2-1-12 W.							
10-23	0.00	6-6	0.23				
SCHOOL CREEK NEAR INAVALE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-2-12 W.							
10-23	0.00	6-6	0.00				
HUNGRY CREEK NEAR INAVALE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-1-12 W.							
10-23	0.00	6-6	0.00				
STATE CREEK NEAR INAVALE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-1-11 W.							
10-23	0.00	6-6	0.00				
LOUISA CREEK NEAR RED CLOUD NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17-1-11 W.							
10-23	0.02	6-6	0.13				
REPUBLICAN RIVER, TRIB. TO, NEAR RED CLOUD NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 16-1-11 W.							
10-23	0.01	6-6	0.01	6-6	0.03		



REPUBLICAN RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER REPUBLICAN</u>					
PENNY CREEK NEAR RED CLOUD NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 16-1-11 W.					
10-23	0.00	6-6	0.04		
INDIAN CREEK NEAR RED CLOUD NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 33-2-11 W.					
10-23	1.47				
INDIAN CREEK NEAR RED CLOUD SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 4-1-11 W.					
6-6	1.19				
REPUBLICAN RIVER, TRIB. TO, NEAR RED CLOUD SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 12-1-11 W.					
6-7	0.23				
REPUBLICAN RIVER, TRIB. TO, NEAR RED CLOUD SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 7-1-10 W.					
6-7	0.00				
CROOKED CREEK NEAR RED CLOUD NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 1-1-10 W.					
10-23	0.88	6-7	0.73		
DRY CREEK NEAR RED CLOUD NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 5-1-10 W.					
10-23	0.09	6-7	0.13		
HICKS CREEK NEAR RED CLOUD NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 10-1-10 W.					
10-23	0.00	6-7	0.29		
OAK CREEK NEAR GUIDE ROCK SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 11-1-10 W.					
10-23	0.00	6-7	0.01		
WILLOW CREEK NEAR GUIDE ROCK SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 1-1-9 W.					
10-23	1.46	6-7	1.21		

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER REPUBLICAN</u>					
ADVENT CREEK NEAR GUIDE ROCK SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 18-1-9 W.					
10-23	0.11	6-7	0.13		
MINNIE SOAP CREEK NEAR GUIDE ROCK SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 9-1-9 W.					
10-23	0.00	6-12	0.00		
SOAP CREEK NEAR GUIDE ROCK SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 10-1-9 W.					
10-23	0.00				
ASH CREEK NEAR GUIDE ROCK SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 15-1-9 W.					
10-23	0.32	6-17	0.70		
AYERS CREEK NEAR GUIDE ROCK SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 18-1-8 W.					
10-23	0.00	6-12	0.01		
CROOKED AUGER CREEK NEAR GUIDE ROCK SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 20-1-8 W.					
10-23	0.00	6-12	0.01		
GIMLET CREEK NEAR GUIDE ROCK SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 21-1-8 W.					
10-23	0.00	6-12	0.00		
BEAVER CREEK NEAR GUIDE ROCK NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 17-1-8 W.					
10-23	2.90	6-7	2.42		
MIDDLE CREEK NEAR BOSTWICK SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 10-1-8 W.					
10-23	0.10	6-12	0.10		
COTTONWOOD CREEK NEAR BOSTWICK NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 14-1-8 W.					
10-23	0.44	6-12	0.16		

REPUBLICAN RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER REPUBLICAN</u>							
SAND CREEK NEAR SUPERIOR SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 13-1-8 W.							
10-23	0.02	6-12	0.00				
REPUBLICAN RIVER, TRIB. TO, NEAR SUPERIOR SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 20-1-7 W.							
10-23	0.00	6-12	0.00				
REPUBLICAN RIVER, TRIB. TO, NEAR SUPERIOR SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 21-1-7 W.							
10-23	0.01	6-12	0.00				
LOST CREEK NEAR SUPERIOR SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 26-1-7 W.							
10-23	0.06	6-12	0.63				
BLAKELEY-OAK CREEK NEAR SUPERIOR SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 30-1-6 W.							
10-23	0.10	6-12	0.03				
CROSBY CREEK NEAR SUPERIOR NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34-1-6 W.							
10-23	0.21	6-12	0.08				
FORSHA CREEK NEAR HARDY SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 32-1-5 W.							
10-23	0.00	6-12	0.00				



BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>UPPER BIG BLUE</u>							
WEEDY CREEK, BIG, NEAR SEWARD NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3-11-3 E.							
6-19	0.02						
PLUM CREEK NEAR SEWARD SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15-11-3 E.							
6-19	2.48						
CLARK CREEK NEAR SEWARD NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-11-3 E.							
6-19	0.14						
LONE TREE CREEK NEAR SEWARD SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-10-3 E.							
6-19	0.00						
CROOKED CREEK NEAR SEWARD NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-10-3 E.							
6-19	0.34						
BLUE RIVER, BIG, NEAR MILFORD NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26-10-3 E.							
6-19	30.6						
WOLF CREEK NEAR MILFORD NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-10-3 E.							
6-19	0.09						
COON CREEK AT MILFORD NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-9-3 E.							
6-19	0.39						
<u>WEST FORK OF THE BIG BLUE RIVER</u>							
BLUE RIVER, BIG, TRIB. TO WEST FORK, NEAR TRUMBULL NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 14-8-8 W.							
6-6	0.00						

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>WEST FORK OF THE BIG BLUE RIVER</u>							
BLUE RIVER, BIG, TRIB. TO WEST FORK, NEAR ELDORADO NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 4-8-6 W.							
6-6	0.00						
BLUE RIVER, BIG, WEST FORK, NEAR STOCKHAM NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-9-6 W.							
6-6	4.03						
BLUE RIVER, BIG, TRIB. TO WEST FORK, NEAR STOCKHAM SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-9-6 W.							
6-6	0.00						
BLUE RIVER, BIG, TRIB. TO WEST FORK, NEAR STOCKHAM NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-9-5 W.							
6-6	0.00						
BLUE RIVER, BIG, TRIB. TO WEST FORK, NEAR LUSHTON NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26-9-4 W.							
6-6	0.00						
SCHOOL CREEK, TRIB. TO, NEAR HARVARD SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31-8-6 W.							
6-6	0.00						
SCHOOL CREEK NEAR SARONVILLE NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-7-6 W.							
6-6	0.00						
SCHOOL CREEK, TRIB. TO, NEAR SUTTON SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-8-5 W.							
6-6	0.00						
SCHOOL CREEK NEAR LUSHTON SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-8-4 W.							
6-6	0.11						
BLUE RIVER, BIG, TRIB. TO WEST FORK, NEAR GRAFTON NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-8-3 W.							
6-6	0.00						

BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>WEST FORK OF THE BIG BLUE RIVER</u>					
6-6	0.00				
6-7	21.0				
6-7	0.00				
6-7	0.00				
6-7	0.00				
6-6	0.00				
6-7	3.9				
6-7	0.03				
6-7	0.00				
6-7	0.10				

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>WEST FORK OF THE BIG BLUE RIVER</u>					
6-7	0.71				
6-7	0.00				
6-7	0.02				
<u>LOWER BIG BLUE RIVER</u>					
11-6	62.74	12-26	85.24	6-11	47.22
				6-23	60.74
6-7	0.06				
11-6	66.92	12-12	74.68		
11-6	62.41	12-26	92.46		
11-6	66.32	12-26	83.74		
12-26	85.84				
2-21	62.87				

BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER BIG BLUE RIVER</u>					
		TURKEY CREEK, TRIB. TO, NEAR MILLIGAN SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 19-7-1 E.			
6-6	0.00				
		TURKEY CREEK, TRIB. TO, NEAR FRIEND NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 4-7-2 E.			
6-7	0.06				
		SPRING CREEK NEAR PLEASANTHILL SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 9-7-3 E.			
6-7	0.10				
		DRY CREEK NEAR WILBER SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 12-6-3 E.			
6-6	0.00				
		BRUSH CREEK NEAR WILBER NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 18-6-4 E.			
6-6	0.00				
		SWAN CREEK, SOUTH FORK, NEAR SWANTON SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 30-5-3 E.			
6-6	0.49				
		SPRING CREEK NEAR WESTERN NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 3-5-2 E.			
6-6	0.69				
		SWAN CREEK, TRIB. TO, NEAR SWANTON NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 35-5-3 E.			
6-6	0.00				
		WALNUT GROVE CREEK NEAR SWANTON SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 14-5-3 E.			
6-6	0.01				
		PLUMMERS BRANCH NEAR DeWITT NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 18-5-4 E.			
6-6	0.00				

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER BIG BLUE RIVER</u>					
		BIG BLUE RIVER <sup>1</sup> NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 15-7-4 E.			
12-26	93.02				
		SQUAW CREEK NEAR CRETE NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 15-7-4 E.			
6-7	0.00				
		BIG BLUE RIVER <sup>1</sup> NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 27-7-4 E.			
11-6	67.97	12-26	82.10	1-11	73.16
		PRAIRIE CREEK NEAR WILBER SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 26-6-4 E.			
6-6	0.06				
		CLATONIA CREEK NEAR DeWITT SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 18-5-5 E.			
6-5	1.64				
		TURKEY CREEK NEAR GENEVA SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 32-7-3 W.			
6-6	0.00				
		TURKEY CREEK, TRIB. TO, NEAR GENEVA SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 29-7-3 W.			
6-6	0.00				
		TURKEY CREEK, TRIB. TO, NEAR GENEVA SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 27-7-2 W.			
6-6	0.00				
		TURKEY CREEK, SOUTH FORK, NEAR MILLIGAN SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 4-6-1 W.			
6-6	0.00				
		TURKEY CREEK, TRIB. TO, NEAR MILLIGAN NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 24-7-1 W.			
6-6	0.00				



BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER BIG BLUE RIVER</u>							
MUD CREEK NEAR BLUE SPRINGS SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33-3-7 E.							
6-4	3.49						
BLUE RIVER, BIG, TRIB. TO NEAR WYMORE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-2-7 E.							
6-4	0.07						
BLUE SPRINGS, BIG, TRIB. TO, NEAR BLUE SPRINGS SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17-2-7 E.							
6-4	0.00						
BILLS CREEK AT WYMORE SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-2-7 E.							
6-4	0.25						
SPRING CREEK NEAR ODELL NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-2-5 E.							
6-5	0.02						
ELM CREEK NEAR ODELL NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-2-5 E.							
6-5	0.01						
ASH CREEK NEAR ODELL NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-1-6 E.							
6-5	0.02						
SICILY CREEK NEAR ODELL SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-2-6 E.							
6-5	1.36						
SQUAW CREEK NEAR WYMORE NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-1-6 E.							
6-5	0.72						
INDIAN CREEK, BIG, AT WYMORE NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-2-7 E.							
6-4	11.9						

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER BIG BLUE RIVER</u>							
BLUE RIVER, BIG, TRIB. TO, NEAR WYMORE Sec. 28-2-7 E.							
6-5	0.00						
BLUE RIVER, BIG, TRIB. TO, NEAR WYMORE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 26-2-7 E.							
6-5	0.20						
WILDCAT CREEK, TRIB. TO, NEAR WYMORE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19-2-8 E.							
6-5	0.28						
WILDCAT CREEK NEAR WYMORE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 30-2-8 E.							
6-5	1.41						
WOLF CREEK NEAR WYMORE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 31-2-8 E.							
6-5	3.91						
ARKEKETA CREEK NEAR BARNESTON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-1-8 E.							
6-5	1.05						
PLUM CREEK NEAR BARNESTON NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-1-8 E.							
6-5	6.7						
MISSION CREEK NEAR BARNESTON SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-1-7 E.							
6-5	7.05						



LITTLE BLUE RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1979					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1979				
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>UPPER LITTLE BLUE</u>				
		SAND CREEK NEAR BLADEN Sec. 19-5-11 W.			6-15	0.17	DRY CREEK NEAR DEWEESE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-4-8 W.		
6-19	0.05	COTTONWOOD CREEK NEAR ROSELAND Sec. 10-5-11 W.			6-15	0.00	BUFFALO CREEK NEAR DEWEESE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1-4-7 W.		
6-19	0.00	FLAT CREEK NEAR ROSELAND SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-5-11 W.			6-15	0.07	WALNUT CREEK NEAR DEWEESE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-4-7 W.		
6-19	0.00	DOVE CREEK NEAR AYR Sec. 17-5-10 W.			6-15	0.02	OX BOW CREEK NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-3-6 W.		
6-19	0.00	LITTLE BLUE RIVER, TRIB., NEAR AYR NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28-6-10 W.			6-15	1.38	ELK CREEK NEAR OAK SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-3-6 W.		
6-19	0.07	THIRTY TWO MILE CREEK NEAR AYR Sec. 26-6-10 W.			6-15	0.00	OAK CREEK NEAR OAK Sec. 17-3-5 W.		
6-19	0.00	ASH CREEK NEAR PAULINE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-5-9 W.			6-15	0.00	TURTLE CREEK NEAR OAK NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15-3-5 W.		
6-19	0.22	CROOKED CREEK NEAR PAULINE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-5-9 W.			6-15	0.00	THAWES CREEK NEAR OAK SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-3-5 W.		
6-19	0.00	PAWNEE CREEK NEAR DEWEESE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-5-8 W.			6-15	2.1	SPRING CREEK NEAR HEBRON SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-2-3 W.		
6-15	0.12				6-14	0.60	DRY CREEK NEAR HEBRON NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15-2-2 W.		

LITTLE BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>BIG SANDY CREEK</u>							
		SANDY CREEK, BIG, NEAR DAVENPORT SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 34-5-5 W.					
7-19	1.99						
		SANDY CREEK, BIG, NEAR DAVENPORT SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 7-4-4 W.					
7-13	0.44	7-16	1.92				
		SANDY CREEK, BIG, NEAR DAVENPORT Sec. 16-4-4 W.					
7-13	0.002	7-19	0.59				
		SANDY CREEK, BIG, NEAR BELVIDERE NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 8-3-2 W.					
6-14	0.01			SANDY CREEK, BIG, SOUTH FORK, NEAR BELVIDERE SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 17-3-2 W.			
6-14	0.00			SANDY CREEK, BIG, NEAR ALEXANDRIA Sec. 4-3-1 W.			
6-14	6.6			SANDY CREEK, BIG, NEAR ALEXANDRIA SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 11-3-1 W.			
6-14	22.1			SANDY CREEK, BIG, NEAR POWELL SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 16-3-1 E.			
6-14	28.6			SANDY CREEK, LITTLE, NEAR POWELL SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 19-3-2 E.			
6-14	1.65						

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1979

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>LOWER LITTLE BLUE</u>							
		WHISKEY CREEK NEAR FAIRBURY NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 4-2-2 E.					
6-14	0.25			BRAWNERS CREEK NEAR FAIRBURY Sec. 2-2-2 E.			
6-13	0.01			BRAWNERS CREEK NEAR FAIRBURY Sec. 23-2-2 E.			
6-13	0.02			ROSE CREEK NEAR THOMPSON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 14-1-1 E.			
6-13	15.7			ROSE CREEK NEAR THOMPSON NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 5-1-2 E.			
6-13	17.6			ROSE CREEK NEAR ENDICOTT NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 12-1-2 E.			
6-13	23.2			ROCK CREEK NEAR ENDICOTT NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 4-1-3 E.			
6-13	1.4			COON CREEK NEAR ENDICOTT SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 15-1-3 E.			
6-13	0.60						

<sup>1</sup> Measurements taken by the Nebraska Department of Environmental Control

**MISCELLANEOUS DISCHARGE MEASUREMENTS**

**OF**

**CANAL AND PUMP DIVERSIONS 1979**

CHEYENNE RIVER BASIN

MEASUREMENT OF CANALS  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>HAT CREEK</u>					
HAT CREEK CANAL, WEST--D-553a, D-553b From Hat Creek--Sec. 16-32-55 W.					
9-25	0.0				
COFFEE CANAL, EAST--D-512 From Hat Creek--Sec. 26-33-55 W.					
9-26	0.0				
COFFEE FLOOD CANAL--A-1236 From Hat Creek--Sec. 14-33-55 W.					
6-11	0.0	9-25	0.0		
SOW BELLY CANAL, OLD--D-533 From Sow Belly Creek--Sec. 7-32-55 W.					
6-21	0.53	9-25	0.0		
ANDREWS SUPPLY CANAL--A-2530 From Sow Belly Creek--Sec. 5-32-55 W.					
2-28	2.55	6-21	0.0	9-25	0.0
ZIMMERMAN CANAL--A-532, A-4790 From Sow Belly Creek--Sec. 34-33-55 W.					
6-21	1.35	9-25	0.0		
MONTGOMERY CANAL--D-559 From Sow Belly Creek--Sec. 21-33-55 W.					
6-21	0.0				
WARBONNET CANAL--D-548, A-892 From Warbonnet Creek--Sec. 21-33-56 W.					
10-12	0.0	9-25	0.0		
MONROE CANAL--D-506 From Monroe Creek--Sec. 33-33-56 W.					
10-12	0.0	9-25	0.0		

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>HAT CREEK</u>							
JORDAN CANAL--A-2032 From Monroe Creek--Sec. 22-33-56 W.							
9-25	0.0						
COOPER CANAL--A-333 From Squaw Creek--Sec. 36-32-52 W.							
5-16	0.15						
WASSERBURGER PUMP--A-3291 From Hat Creek--Sec. 24-34-55 W.							
9-25	0.0						

WHITE RIVER BASIN

MEASUREMENT OF CANALS  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
HARRIS-COOPER CANAL--D-464a, D-464b From White River--Sec. 26-32-52 W.							
6-27	0.0						
WHITNEY PIPE LINE--A-1625 From White River--Sec. 26-32-52 W.							
11-30	24.3	4-26	0.0	8-17	0.0		
WHITE RIVER CANAL--D-447, A-926 From White River--Sec. 25-32-52 W.							
6-27	7.07	9-5	4.35				
RASHER-FORBES CANAL--A-1128 From White River--Sec. 19-32-51 W.							
6-27	0.0						

NORTH PLATTE RIVER BASIN

MEASUREMENT OF CANALS  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		STRATTON PUMP--A-13052 From Owl Creek--Sec. 16-22-57 W.			
8-1	0.0				
		SCOTT CANAL--A-711 From Pumpkin Creek--Sec. 7-19-55 W.			
9-7	0.0				
		LOGAN LOWER CANAL--D-902 From Pumpkin Creek--Sec. 7-19-55 W.			
9-7	0.0				
		EHRMAN PUMP--A-3859 From Pumpkin Creek--Sec. 18-19-53 W.			
9-7	0.0				
		OLSEN PUMP--A-11439 From Pumpkin Creek--Sec. 23-19-53 W.			
9-7	0.0				
		MUTUAL CANAL--D-843, A-4738 From Pumpkin Creek--Sec. 33-19-52 W.			
9-7	0.0				
		NIELSEN CANAL and PUMP--A-6811 From Pumpkin Creek--Sec. 30-19-52 W.			
9-7	0.29				
		RANDALL CANAL--A-1100 From Lawrence Fork Creek--Sec. 21-18-52 W.			
9-7	0.0				
		SMITH-WHEELER CANAL, NORTH and SOUTH--D-842a, D-842b From Pumpkin Creek--Sec. 26-19-51 W.			
9-7	0.0				

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		HANNAH CANAL--D-886 From North Platte River--Sec. 24-18-47 W.					
10-3	0.0	6-11	0.0	7-16	0.0	8-27	0.0
10-10	.0	6-18	.0	7-23	.0	9-5	.0
4-24	.0	6-25	.0	8-6	.0	9-11	.0
5-1	.0	7-2	.0	8-13	.0	9-18	.0
5-16	.0	7-9	.0	8-20	.0	9-25	.0
6-5	.0						
		SCRIPTER CANAL--A-2288 From Clear Creek--Sec. 32-16-41 W.					
3-26	0.39						
		NORTH PLATTE CANAL SPILL Into Lincoln County Drain #1--Sec. 24-14-31 W.					
5-7	0.0	6-11	8.54	7-5	0.0	7-31	11.1
5-16	.0	7-3	.0	7-10	11.5	8-23	9.62
6-5	5.93						
		NORTH PLATTE CANAL SPILL Into Lincoln County Drain #1--Sec. 26-14-31 W.					
5-7	0.0	5-16	0.0	6-5	0.0		
		NORTH PLATTE TERMINAL SPILL Into North Platte River--Sec. 25-14-31 W.					
5-7	0.0	6-12	2.58	7-5	0.0	7-31	0.0
5-16	.0	7-3	.0	7-20	.0	8-23	.0
6-5	.0						

SOUTH PLATTE RIVER BASIN  
(LOGGEPOLLE CREEK)

MEASUREMENT OF CANALS  
Year Ending September 30, 1979

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.							
4-18	0.0	5-16	0.0	6-1	0.0	7-16	0.0
4-30	.0						
HOOVER CANAL--D-353 From Lodgepole Creek--Sec. 12-14-59 W.							
4-18	0.0	5-16	0.0	6-1	0.0	7-16	0.0
4-30	.0						
PLATT PUMP--A-12931 From Lodgepole Creek--Sec. 31-15-57 W.							
4-18	0.0	6-1	0.0	8-16	0.0	9-11	0.0
4-30	.0	7-16	.53	8-30	.0	9-26	.0
5-16	.0	8-1	.0				
ADAMSON PUMP--A-13381 From Lodgepole Creek--Sec. 33-15-57 W.							
4-18	0.0	4-30	0.0	5-16	0.0	6-1	0.0
RUTTNER-KINNEY CANAL--D-345, D-350, A-718R, A-1828 From Lodgepole Creek--Sec. 31-15-56 W.							
4-18	0.0	5-16	0.0	7-16	0.0	8-30	0.0
4-30	.0	6-1	.0				
RUTTNER PUMP, NEW--A-857R From Lodgepole Creek--Sec. 33-15-56 W.							
4-18	0.0	5-16	0.0	7-16	0.94	8-30	0.0
4-30	.0	6-1	.0	8-16	1.51		
FORSLING-KINNEY CANAL--D-348, A-718 From Lodgepole Creek--Sec. 33-15-56 W.							
4-18	0.0	5-16	0.0	7-16	0.0	8-30	0.0
4-30	.0	6-1	.0				
FERGUSON PUMP--D-345R, D-348R From Lodgepole Creek--Sec. 34-15-56 W.							
4-18	0.0	5-16	0.0	7-16	0.0	8-16	0.0
4-30	.0	6-1	.0	8-1	1.31	8-30	.0

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
HURLEY-LILLY-POLLY CANAL--D-354 From Lodgepole Creek--Sec. 26-15-56 W.							
10-3	1.67	5-16	0.0	8-1	2.73	9-11	1.84
4-18	.0	6-1	2.62	8-16	1.64	9-26	.0
4-30	.0	7-16	1.63	8-30	3.98		
BICKEL-FADEN CANAL--D-347, A-719 From Lodgepole Creek--Sec. 30-15-55 W.							
4-18	0.0	5-16	0.0	8-1	1.97	8-30	0.0
4-30	.0	6-1	.0	8-16	.33		
ATKINS-POLLY CANAL--D-342, D-344, A-897R From Lodgepole Creek--Sec. 30-15-55 W.							
4-18	0.0	4-30	0.0	5-16	0.0	6-1	0.69
OWASCO CANAL--D-347, A-725 From Lodgepole Creek--Sec. 29-15-55 W.							
4-18	0.0	5-16	0.0	8-1	1.84	8-30	0.0
4-30	.0	6-1	.0	8-16	1.89		
BENNETT CANAL--A-691, A-1975 From Lodgepole Creek--Sec. 22-15-55 W.							
4-18	0.0	6-1	0.0	8-1	0.81	8-30	0.85
4-30	.0	7-16	.0	8-16	1.52	9-11	.0
5-16	.0						
McINTOSH CANAL--D-351, A-734 From Lodgepole Creek--Sec. 23-15-55 W.							
10-3	0.0	5-16	0.0	8-1	4.58	9-11	1.78
4-18	.0	6-1	.0	8-16	1.35	9-26	2.19
4-30	.0	7-16	3.30	8-30	3.49		
CIRCLE ARROW CANAL--D-346 From Lodgepole Creek--Sec. 30-15-54 W.							
4-18	2.39	6-1	0.95	8-1	0.0	8-30	0.0
5-16	1.95	7-16	.0	8-16	.0		
BORDWELL CANAL, NORTH--D-303 From Lodgepole Creek--Sec. 35-14-49 W.							
6-21	0.0	7-25	0.0				

SOUTH PLATTE RIVER BASIN  
(LOGGEPOL E CREEK)

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		KRUEGER CANAL NO. 3--D-323 From Lodgepole Creek--Sec. 32-14-48 W.			
6-21	0.0	7-25	0.0		
		KRUEGER CANAL NO. 2--D-324 From Lodgepole Creek--Sec. 32-14-48 W.			
6-21	0.02	7-25	0.0		
		KRUEGER CANAL NO. 1--D-968 From Lodgepole Creek--Sec. 29-14-48 W.			
6-21	0.0	7-25	0.0		
		MISEGADIS PUMP--A-9073 From Lodgepole Creek--Sec. 36-14-48 W.			
7-25	0.0				
		BARSTON PUMP--A-3825 From Lodgepole Creek--Sec. 28-14-47 W.			
4-9	0.0				
		DICKENSON CANAL--D-969 From Lodgepole Creek--Sec. 26-14-47 W.			
4-9	0.0				
		TOBIN CANAL--D-330 From Lodgepole Creek--Sec. 28-14-47 W.			
4-9	0.0				
		DICKENSON CANAL--D-967 From Lodgepole Creek--Sec. 33-14-47 W.			
4-9	0.0				
		LIBBY CANAL--D-312 From Lodgepole Creek--Sec. 36-14-47 W.			
4-9	0.0	7-25	0.0		

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		OBERFELDER CANAL--D-306, D-307 From Lodgepole Creek--Sec. 32-14-46 W.			
4-9	0.0	7-25	0.0		
		PERSINGER CANAL--D-297 From Lodgepole Creek--Sec. 33-14-46 W.			
4-9	0.0	7-25	0.0		
		BULLOCK CANAL--A-437 From Lodgepole Creek--Sec. 4-13-46 W.			
4-9	0.0	7-25	0.0		
		McAULIFFE CANAL--D-814 From Lodgepole Creek--Sec. 21-13-45 W.			
4-9	0.0	7-25	0.0		
		SUDMAN CANAL and PUMP--A-1483R From Lodgepole Creek--Sec. 22-13-45 W.			
4-9	0.0				
		NEUMAN CANAL--A-611, A-1445 From Lodgepole Creek--Sec. 26-13-45 W.			
4-9	0.0	7-25	0.0		
		NEUMAN CANAL--A-565 From Lodgepole Creek--Sec. 36-13-45 W.			
4-9	0.0	7-25	0.0		
		NASLUND CANAL--A-661 From Lodgepole Creek--Sec. 1-12-45 W.			
4-9	0.0	7-25	0.0		
		SODERQUIST CANAL--A-1237R From Lodgepole Creek--Sec. 2-12-45 W.			
4-9	0.0				



PLATTE RIVER BASIN

(LOUP RIVER)

MEASUREMENT OF CANALS  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>MIDDLE LOUP RIVER</u>							
ERICKSON PUMP--A-3714 From Middle Loup River--Sec. 15-18-17 W.							
7-23	1.7						
HUNKINS PUMP--A-3806 From Middle Loup River--Sec. 13-18-17 W.							
7-23	1.2						
HICKMAN PUMP--A-2678R, A-2995, A-3981BR From Middle Loup River--Sec. 26-18-17 W.; Sec. 35-18-7 W.							
7-23	1.9						
BALS PUMP--A-3368, A-6875 From Middle Loup River--Sec. 16-14-14 W.							
7-23	1.9						
PEDERSON PUMP--A-9883 From Middle Loup River--Sec. 29-13-12 W.							
7-23	3.1						
FRIES PUMP--A-2139 From Middle Loup River--Sec. 28-13-12 W.							
7-23	1.5						
STANCZYK PUMP--A-13034 From Oak Creek--Sec. 15-15-13 W.							
8-1	1.4						
KAISER PUMP--A-11407 From Oak Creek--Sec. 15-14-12 W.							
8-31	0.8						
KROGH PUMP--A-2976, A-4487, A-14444, A-14445 From Oak Creek--Sec. 30-14-11 W.							
8-1	1.9						
PETERSEN PUMP--A-15418 From Oak Creek--Sec. 31-14-11 W.							
8-1	1.2						

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>MIDDLE LOUP RIVER</u>					
FREDRICK PUMP--A-15278 From Turkey Creek--Sec. 8-14-11 W.					
8-6	0.6				
BOYSEN PUMP--A-13651 From Turkey Creek--Sec. 17-14-11 W.					
8-6	1.2				
KOPERSKI PUMP--A-13285 From Turkey Creek--Sec. 27-14-11 W.					
8-1	1.1				
KRZYCKI PUMP--A-13823 From Turkey Creek--Sec. 20-14-10 W.					
8-3	0.6				
SVOBODA PUMP--A-11661 From Middle Loup River--Sec. 24-15-10 W.					
7-19	1.7				
<u>SOUTH LOUP RIVER</u>					
WEAVER PUMP--A-3332 From South Loup River--Sec. 24-15-22 W.					
8-2	0.8				
WEAVER PUMP--A-4618 From South Loup River--Sec. 30-15-21 W.					
8-2	0.3				
HELBERG PUMP--A-12526 From South Loup River--Sec. 30-15-21 W.					
8-2	1.1				
SWENSEN PUMP--A-2271 From Ash Creek--Sec. 7-14-20 W.					
8-3	2.8				

PLATTE RIVER BASIN  
(LOUP RIVER)

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>SOUTH LOUP RIVER</u>					
EIGHMY PUMP--A-8589 From South Loup River--Sec. 18-14-21 W.					
8-3	0.6				
MAUPIN PUMP--A-6289 From South Loup River--Sec. 27-14-30 W.					
8-3	1.2				
THOMAS PUMP--A-5338 From South Loup River--Sec. 34-14-20 W.					
8-3	1.2				
WOOD PUMP--A-8753 From South Loup River--Sec. 7-13-19 W.					
8-3	1.6				
POPP PUMP--A-3881 From Deer Creek--Sec. 8-13-19 W.					
8-3	1.5				
SHOEMAKER PUMP--A-13105 From South Loup River--Sec. 30-13-18 W.					
8-3	1.2				
FELDMAN PUMP--A-4442 From Mud Creek--Sec. 20-14-16 W.					
8-14	0.6				
CHRISTENSEN PUMP--A-8245 From Mud Creek--Sec. 35-14-16 W.					
8-14	1.3				
CAPELLEN PUMP--A-3883 From Mud Creek--Sec. 13-13-16 W.					
8-14	0.7				
MORTENSEN PUMP--A-3119 From Mud Creek--Sec. 34-13-15 W.					
8-14	1.1				

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>SOUTH LOUP RIVER</u>							
ASHER PUMP--A-9931 From Mud Creek--Sec. 34-13-15 W.							
8-14	0.9						
McKEON PUMP--A-3895, A-9762 From Cedar Creek--Sec. 3-12-15 W.							
7-25	0.8						
FRYE PUMP--A-3696 From Mud Creek--Sec. 2-12-15 W.							
7-25	1.0						
<u>NORTH LOUP RIVER</u>							
FERGUSON PUMP--A-2635 From North Loup River--Sec. 36-23-21 W.							
8-7	2.5						
VAN DIEST PUMP--A-2263R From North Loup River--Sec. 32-23-20 W.							
8-7	2.3						
GOEHRING PUMP--A-2263R From North Loup River--Sec. 4-22-20 W.							
8-7	1.4						
WAKE PUMP--A-2467 From North Loup River--Sec. 26-21-18 W.							
8-13	3.0						
WAKE PUMP--A-11633 From North Loup River--Sec. 29-21-17 W.							
7-13	0.8						
ZIEGLER-HIATT PUMP--A-2091 From North Loup River--Sec. 28-21-17 W.							
7-13	1.1						

PLATTE RIVER BASIN  
(LOUP RIVER)

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>NORTH LOUP RIVER</u>					
BALLAGH PUMP--A-15547 From North Loup River--Sec. 19-21-16 W.					
8-16	1.3				
PENAS PUMP--A-3783 From North Loup River--Sec. 19-21-16 W.					
8-7	1.9				
GOEHRING PUMP--A-2427 From North Loup River--Sec. 11-21-16 W.					
7-26	0.8				
ROWSE PUMP--A-4418 From North Loup River--Sec. 11-21-16 W.					
8-7	1.6				
WILSON PUMP--A-12349 From North Loup River, Trib. to--Sec. 19-21-15 W.					
9-5	0.3				
HEERTEN PUMP--A-14277 From North Loup River--Sec. 10-20-15 W.					
8-7	0.7				
KREPEL-RUTAR PUMP--A-2312R, A-3980CR From North Loup River--Sec. 2-18-13 W.					
8-17	1.1				
KOKES PUMP--A-9423 From North Loup River--Sec. 12-18-13 W.					
8-1	1.3				
GOLDFISH PUMP--A-3770 From North Loup River--Sec. 16-17-12 W.					
8-13	1.0				
HANSON PUMP--A-3032, A-10897, A-12753 From North Loup River--Sec. 22-17-12 W.					
8-13	1.6				

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>NORTH LOUP RIVER</u>					
PENNY PUMP--A-10420 From North Loup River--Sec. 22-12-12 W.					
7-19	1.6				
HOLT PUMP--A-11094 From North Loup River--Sec. 27-17-12 W.					
7-19	1.1				
FERGUSON PUMP--A-2520 From North Loup River--Sec. 27-17-12 W.					
7-12	4.5				
JACOBSEN PUMP--A-7310, A-14639 From North Loup River--Sec. 35-17-12 W.					
7-12	5.8				
KEEP PUMP--A-13828 From North Loup River--Sec. 1-16-12 W.					
7-19	1.4				
BARNES PUMP--A-6584, A-6585 From North Loup River--Sec. 7-16-11 W.					
8-13	1.1				
ENDER PUMP--A-13200 From North Loup River--Sec. 18 & 20-16-11 W.					
8-13	1.7				
WELLS PUMP--A-4061, A-14871 From North Loup River--Sec. 20, 21, & 28-16-11 W.					
8-13	1.2				
KELLER PUMP--A-14238, A-14391 From Munsen Creek--Sec. 5-15-11 W.					
8-6	0.8				
WILSON PUMP--A-14225 From North Loup River--Sec. 34-16-11 W.					
8-13	0.9				

PLATTE RIVER BASIN

(LOUP RIVER)

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>NORTH LOUP RIVER</u>					
SUMOVICH PUMP--A-9956 From North Loup River--Sec. 3-15-11 W.					
8-6	1.0				
POSS PUMP--A-13353 From North Loup River--Sec. 18-15-10 W.					
8-6	0.4				
POSS PUMP--A-10135 From North Loup River--Sec. 18-15-10 W.					
7-19	1.1				
ANDERSON PUMP--A-6277, A-3584 From North Loup River--Sec. 17-15-10 W.					
7-19	1.1				
PAYNE PUMP--A-10755 From North Loup River--Sec. 16-15-10 W.					
8-6	1.3				
JURZENSKI PUMP--A-4279 From North Loup River--Sec. 16-15-10 W.					
8-6	1.5				
PAYNE PUMP--A-2178R, A-6978 From North Loup River--Sec. 15-15-10 W.					
8-6	1.4				
ARTERBURN PUMP--A-4628 From North Loup River--Sec. 15-15-10 W.					
7-19	2.0				
JACOBSEN PUMP--A-5198, A-6280, A-10800 From North Loup River--Sec. 23-15-10 W.					
8-13	2.5				
NELSON PUMP--A-4890 From North Loup River--Sec. 14-15-10 W.					
8-13	0.9				

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>NORTH LOUP RIVER</u>							
SAMUELSON PUMP--A-5194 From North Loup River--Sec. 14-15-10 W.							
7-19	1.2						
WUNDERLICH PUMP--A-8309 From North Loup River--Sec. 13-15-10 W.							
8-13	0.8						
GLASS PUMP--A-10809 From North Loup River--Sec. 13-15-10 W.							
7-19	1.8						
<u>LOWER LOUP RIVER</u>							
BERST PUMP--A-9959 From Spring Creek--Sec. 29-16-9 W.							
7-19	0.7						
JUSTESEN PUMP--A-10134 From Spring Creek--Sec. 5-15-9 W.							
7-19	0.7						
ANDERSON PUMP--A-11617 From Spring Creek--Sec. 8-15-9 W.							
7-31	1.4						
WERNER PUMP--A-15151 From Loup River--Sec. 9-15-9 W.							
7-30	1.7						
WAGNER PUMP--A-9609 From Loup River--Sec. 16-15-9 W.							
8-31	1.0						
WHITNEY-LESIAK PUMP--A-5849, A-5850, A-8492, A-12994 From Loup River--Sec. 1-15-7 W.							
7-20							

PLATTE RIVER BASIN

(LOUP RIVER)

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>LOWER LOUP RIVER</u>					
7-20	1.7				
RUSSELL PUMP--A-6997 From Loup River--Sec. 22-16-6 W.					
7-23	0.4	8-1	0.7		
EPLEY PUMP--A-6575 From Cedar River--Sec. 32-23-13 W.					
8-1	1.6				
PITZER PUMP--A-6636 From Cedar River--Sec. 13-22-13 W.					
7-23	0.8				
McGOWEN PUMP--A-11587 From Cedar River--Sec. 24-20-10 W.					
7-25					
BATENHORST PUMP--A-2819 From Cedar River--Sec. 15-18-7 W.					
7-18	1.1				
NORE PUMP--A-11434 From Cedar River--Sec. 19-17-6 W.					
7-18	0.9				
NELSON PUMP--A-13198 From Cedar River--Sec. 19-17-6 W.					
7-31	1.0				
FRENZEN PUMP--A-2240 From Cedar River--Sec. 30-17-6 W.					
7-31	1.3				
FRENZEN PUMP--A-3071 From Cedar River--Sec. 29-17-6 W.					
7-31	1.6				
SMITH PUMP--A-10223, A-10818 From Cedar River--Sec. 4-16-6 W.					

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>LOWER LOUP RIVER</u>					
7-31	1.4				
WONDERCHECK PUMP--A-13930 From Cedar River--Sec. 11-16-6 W.					
7-31	1.6				
HELD PUMP--A-6633 From Cedar River--Sec. 12-16-6 W.					
7-31	1.1				
SYSLO PUMP--A-13662 From Cedar River--Sec. 7-16-5 W.					
7-20	2.1				
ZIEMBA PUMP--A-8689 From Loup River--Sec. 1-16-5 W.					

PLATTE RIVER BASIN  
(ELKHORN RIVER)

MEASUREMENT OF CANALS  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		RASSMUSSEN PUMP--A-12682 From Bell Creek--Sec. 14-19-9 E.					
8-9	1.32						
		MONKE PUMP--A-10237 From Bell Creek--Sec. 36-19-9 E.					
8-9	1.67						

REPUBLICAN RIVER BASIN

MEASUREMENT OF CANALS Year Ending September 30, 1979						MEASUREMENT OF CANALS--Continued Year Ending September 30, 1979					
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 REPUBLICAN</u>						<u>LOWER REPUBLICAN</u>					
ALLEN-LARNED CANAL--D-117 From Buffalo Creek--Sec. 18-1-40 W.						SCHNURLE PUMP, EAST--A-9507 From Republican River--Sec. 16-1-16 W.					
6-18	6.12	7-16	4.53	7-30	4.35	9-24	5.24	8-9	2.14		
7-2	7.26										
JENKINS CANAL--A-924 From Buffalo Creek--Sec. 18-1-40 W.						SINDT PUMP--A-12803 From Republican River--Sec. 15-1-16 W.					
7-16	1.36	7-30	1.81			7-26	1.25				
PARKS CANAL--A-1202, A-1444, A-1555 From Republican River--Sec. 20-1-39 W.						JACKSON PUMP--A-13889 From Republican River--Sec. 10-1-16 W.					
5-17	7.31	8-14	7.51			7-24	1.94	7-31	1.39		
<u>LOWER REPUBLICAN</u>						HOWELL PUMP--A-3134 From Republican River--Sec. 10-1-16 W.					
PAULSON PUMP--A-13493 From Republican River--Sec. 8-1-16 W.						KENNEDY PUMP--A-3079 From Republican River--Sec. 1-1-16 W.					
7-24	2.41					7-24	0.87	7-31	1.11		
KINSEY PUMP--A-4365, A-14390 From Turkey Creek--Sec. 20-2-16 W.						DUNN and BEAN PUMP--A-3079 From Republican River--Sec. 1-1-16 W.					
7-11	1.0					7-26	1.18				
HARING PUMP--A-6915 From Turkey Creek--Sec. 29-2-16 W.						KAHRS PUMP--A-3081 From Republican River--Sec. 7-1-15 W.					
7-11	1.04	7-24	1.04	7-24	0.83	7-31	1.53				
BRADLEY PUMP--A-3216, A-4475, A-14166 From Turkey Creek--Sec. 4-1-16 W.						K and H FARMS PUMP--A-5626 From Republican River--Sec. 2-1-15 W.					
7-24	1.56					7-24	1.30				
LESINGER PUMP--A-14734 From Republican River--Sec. 8-1-16 W.						K and H FARMS PUMP--A-13529 From Republican River, Trib. to--Sec. 4-1-15 W.					
7-26	2.47					7-24	1.04				
SCHNURLE PUMP, WEST--A-4250 From Republican River--Sec. 16-1-16 W.						HARMS PUMP--A-6175, A-9065 From Center Creek--Sec. 26-2-15 W.					
7-11	2.35	8-9	2.24	8-22	2.30	7-27	2.15	8-1	1.97		

REPUBLICAN RIVER BASIN

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>LOWER REPUBLICAN</u>					
YELKEN PUMP--A-15562 From Republican River--Sec. 1-1-15 W.					
8-17	1.60				
CLINE PUMP--A-4782 From Republican River--Sec. 6-1-14 W.					
7-27	0.90	8-16	0.83		
PATTON PUMP--A-11280 From Republican River--Sec. 3-1-14 W.					
7-27	1.18				
BACH PUMP--A-13836 From Republican River--Sec. 3-1-14 W.					
8-1	2.22				
SINDT PUMP--A-9744 From Republican River--Sec. 1-1-14 W.					
7-27	2.55				
SINDT PUMP--A-10631 From Republican River--Sec. 6-1-13 W.					
7-27	3.22				
HAMILTON PUMP--A-5511 From Republican River--Sec. 3-1-13 W.					
7-27	0.45				
RUSSELL PUMP--A-13084 From Thompson Creek--Sec. 22-2-13 W.					
7-25	1.53				
BUSH PUMP--A-12716 From Republican River--Sec. 11-1-13 W.					
8-1	1.49				

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>LOWER REPUBLICAN</u>					
ECKHARDT PUMP--A-6504 From Republican River--Sec. 12-1-13 W.					
8-7	0.90				
ARNESON PUMP--A-3558, A-12486 From Republican River--Sec. 5-1-12 W.					
7-25	0.83	8-1	0.38	8-16	0.76
ARNESON PUMP--A-15555 From Republican River--Sec. 4-1-12 W.					
8-16	0.56				
SIEL PUMP--A-12858 From Republican River--Sec. 5-1-12 W.					
8-13	1.25	8-17	1.01		
LEWIS PUMP--A-12856 From Republican River--Sec. 7-1-11 W.					
6-17	1.53	8-1	1.86		
LEWIS PUMP--A-3248 From Republican River--Sec. 9-1-11 W.					
8-1	1.36	8-16	1.88		
BOWEN PUMP--A-5439 From Republican River--Sec. 10-1-10 W.					
8-2	1.46	8-13	3.26		
MILLER PUMP--A-4205 From Republican River--Sec. 10-1-10 W.					
8-2	2.22				
GLEASON PUMP--A-10852 From Republican River--Sec. 11-1-10 W.					
8-2	1.60	8-13	1.95		



REPUBLICAN RIVER BASIN

MEASUREMENT OF CANALS--Continued  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>LOWER REPUBLICAN</u>							
MILLER PUMP--A-4206 From Elm Creek--Sec. 2-1-10 W.							
8-2	0.90						
THORTON PUMP--A-5468 From Republican River--Sec. 28-1-7 W.							
7-23	2.47	8-2	2.03				
JENSEN PUMP--A-12285 From Republican River, Trib. to--Sec. 33-1-7 W.							
7-23	3.29						
SIMIC PUMP--A-4222R From Republican River--Sec. 34-1-7 W.							
7-23	3.62	8-2	2.80				
BUTLER PUMP--A-3443R From Republican River--Sec. 31-1-6 W.							
7-30	1.19						
BUTLER PUMP--A-3252R From Republican River--Sec. 31-1-6 W.							
8-2	2.7						
ERICKSON PUMP--A-4957 From Valley Home Creek--Sec. 33-1-6 W.							
8-2	1.32						
ELY-MASON PUMP--A-14773 From Bell Creek--Sec. 33-1-6 W.							
7-30	1.04						
ELY PUMP--A-7494 From Republican River--Sec. 34-1-6 W.							
8-2	1.88						
STENSON PUMP--A-15583 From Crosby Creek--Sec. 34-1-6 W.							
7-30	0.38						

LITTLE BLUE RIVER BASIN

MEASUREMENT OF CANALS  
Year Ending September 30, 1979

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
<u>BIG SANDY CREEK</u>							
WHITE PUMP--A-10363 From Big Sandy Creek--Sec. 16-4-4 E.							
7-12	0.76						
JENNINGS PUMP--A-13177 From Big Sandy Creek--Sec. 12-4-5 E.							
7-12	0.90						

**MISCELLANEOUS DATA****1979**

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

	Normal		1979	
	Monthly	Accumulative	Monthly	Accumulative
<b>*MITCHELL STATION, SCOTTSBLUFF COUNTY--ELEVATION 4080</b>				
October	0.79	0.79	0.57	0.57
November	0.33	1.12	0.00	0.57
December	0.29	1.41	0.57	1.14
January	0.25	1.66	0.60	1.74
February	0.24	1.90	0.01	1.75
March	0.56	2.46	0.62	2.37
April	1.31	3.77	0.64	3.01
May	2.63	6.40	1.07	4.08
June	3.41	9.81	2.71	6.79
July	1.56	11.37	2.12	8.91
August	1.16	12.53	1.88	10.79
September	1.07	13.60	0.85	11.64
*66 year record				
<b>*BRIDGEPORT STATION, MORRILL COUNTY--ELEVATION 3666</b>				
October	0.83	0.83	0.61	0.61
November	0.38	1.21	0.81	1.42
December	0.34	1.55	1.22	2.64
January	0.35	1.90	0.41	3.05
February	0.29	2.19	0.03	3.08
March	0.72	2.91	1.81	4.89
April	1.42	4.33	0.85	5.74
May	3.10	7.43	1.73	7.47
June	3.67	11.10	2.33	9.80
July	2.40	13.50	4.38	14.18
August	1.38	14.88	1.85	16.03
September	1.42	16.30	1.33	17.36
*81 year record				
<b>*OSHKOSH STATION, GARDEN COUNTY--ELEVATION 3393</b>				
October	0.99	0.99	0.58	0.58
November	0.57	1.56	0.56	1.14
December	0.35	1.91	0.00	1.14
January	0.35	2.26	0.29	1.43
February	0.38	2.64	0.00	1.43
March	0.83	3.47	2.15	3.58
April	1.66	5.13	1.57	5.15
May	3.16	8.29	3.22	8.37
June	3.27	11.56	3.86	12.23
July	2.64	14.20	1.68	13.91
August	2.03	16.23	1.24	15.15
September	1.50	17.73	1.39	16.54
*66 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1979	
	Monthly	Accumulative	Monthly	Accumulative
<b>*NORTH PLATTE STATION, LINCOLN COUNTY--ELEVATION 2775</b>				
October	0.99	0.99	0.43	0.43
November	0.52	1.51	1.03	1.46
December	0.41	1.92	0.99	2.45
January	0.45	2.37	0.86	3.31
February	0.52	2.89	0.09	3.40
March	0.99	3.88	2.78	6.18
April	1.93	5.81	1.46	7.64
May	3.26	9.07	2.96	10.60
June	3.77	12.84	3.37	13.97
July	2.98	15.82	7.05	21.02
August	2.07	17.89	1.49	22.51
September	2.01	19.90	0.45	22.96
*39 year record				
<b>*GOTHENBURG STATION, DAWSON COUNTY--ELEVATION 2565</b>				
October	1.16	1.16	0.65	0.65
November	0.54	1.70	0.97	1.62
December	0.45	2.15	0.81	2.43
January	0.45	2.60	1.09	3.52
February	0.54	3.14	0.02	3.54
March	1.15	4.29	2.38	5.92
April	2.03	6.32	2.08	8.00
May	3.25	9.57	2.11	10.11
June	4.43	14.00	2.95	13.06
July	2.82	16.82	6.49	19.55
August	2.53	19.35	0.78	20.33
September	2.08	21.43	0.34	20.67
*84 year record				
<b>*GRAND ISLAND STATION, HALL COUNTY--ELEVATION 1841</b>				
October	1.08	1.08	0.56	0.56
November	0.61	1.69	1.35	1.91
December	0.56	2.25	0.64	2.55
January	0.52	2.77	0.82	3.37
February	0.76	3.53	0.43	3.80
March	1.18	4.71	5.56	9.36
April	2.47	7.18	3.27	12.63
May	3.78	10.96	3.99	16.62
June	4.40	15.36	2.65	19.27
July	3.00	18.36	2.66	21.93
August	2.54	20.90	1.39	23.32
September	2.51	23.41	2.54	25.86
*87 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1979	
	Monthly Accumulative		Monthly Accumulative	
<b>*SIDNEY STATION, CHEYENNE COUNTY--ELEVATION 4320</b>				
October	1.03	1.03	0.27	0.27
November	0.49	1.52	0.51	0.78
December	0.39	1.91	0.14	0.92
January	0.30	2.21	0.08	1.00
February	0.32	2.53	0.01	1.01
March	0.88	3.41	2.33	3.34
April	1.64	5.05	1.20	4.54
May	3.27	8.32	2.61	7.15
June	3.56	11.88	2.38	9.53
July	2.53	14.41	2.76	12.29
August	1.79	16.20	2.26	14.55
September	1.35	17.55	0.70	15.25
*51 year record				
<b>*ORD STATION, VALLEY COUNTY--ELEVATION 2070</b>				
October	1.41	1.41	0.45	0.45
November	0.63	2.04	0.76	1.21
December	0.65	2.69	0.93	2.14
January	0.62	3.31	0.72	2.86
February	0.86	4.17	0.07	2.93
March	1.40	5.57	2.77	5.70
April	2.25	7.82	2.46	8.16
May	3.39	11.21	5.65	13.81
June	4.33	15.54	2.40	16.21
July	2.68	18.22	3.32	19.53
August	2.64	20.86	2.12	21.65
September	2.39	23.25	2.07	23.72
*88 year record				
<b>*FORT ROBINSON STATION, DAWES COUNTY--ELEVATION 3807</b>				
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	" "	
*95 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1979	
	Monthly Accumulative		Monthly Accumulative	
<b>*CULBERTSON STATION, HITCHCOCK COUNTY--ELEVATION 2720</b>				
October	1.31	1.31	0.92	0.92
November	0.64	1.95	0.89	1.81
December	0.49	2.44	0.42	2.23
January	0.47	2.91	1.21	3.44
February	0.53	3.44	0.02	3.46
March	1.07	4.51	2.43	5.89
April	1.84	6.35	1.44	7.33
May	3.26	9.61	3.07	10.40
June	3.46	13.07	2.46	12.86
July	3.32	16.39	6.12	18.98
August	2.46	18.85	3.86	22.84
September	1.92	20.77	0.20	23.04
*91 year record				
<b>*GENOA STATION, NANCE COUNTY--ELEVATION 1590</b>				
October	1.38	1.38	0.61	0.61
November	0.58	1.96	1.17	1.78
December	0.70	2.66	1.13	2.91
January	0.47	3.13	0.90	3.81
February	0.90	4.03	0.45	4.26
March	1.20	5.23	4.42	8.68
April	2.42	7.65	3.26	11.94
May	3.78	11.43	4.21	16.15
June	4.80	16.23	3.29	19.44
July	3.26	19.49	2.53	21.97
August	3.07	22.56	1.37	23.34
September	2.68	25.24	1.51	24.85
*103 year record				
<b>*HOLDREGE STATION, PHELPS COUNTY--ELEVATION 2330</b>				
October	1.53	1.53	0.75	0.75
November	0.60	2.13	1.36	2.11
December	0.58	2.71	0.36	2.47
January	0.58	3.29	0.72	3.19
February	0.80	4.09	0.03	3.22
March	1.33	5.42	4.23	7.45
April	2.29	7.71	3.98	11.43
May	4.07	11.78	4.01	15.44
June	4.83	16.61	4.35	19.79
July	3.12	19.73	6.50	26.29
August	2.65	22.38	2.12	28.41
September	2.56	24.94	0.52	28.93
*89 year record				

MONTHLY EVAPORATION IN FEET--1979

STATION	May	June	July	Aug.	Sept.	Total
Pathfinder Dam	0.518	0.791	1.007	0.718	0.718	3.752
Whalen Dam	0.587	0.721	0.860	0.688	0.597	3.453
Bridgeport	0.534	0.792	1.121	0.717	0.582	3.746
Kingsley Dam	/	0.485	0.448	0.404	0.310	
North Platte	0.644	0.767	0.796	0.758	0.787	3.752

All are Unites 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, 1979

	Apr.	May	June	July	Aug.	Sept.	Total
Northport Canal from:							
Akers Draw.....	0	350	660	760	800	780	3350
Sheep Creek.....	0	2280	4350	4540	5950	4990	22110
Dry Spottedtail Creek....	0	380	780	880	1290	1110	4440
Wet Spottedtail Creek....	0	410	820	640	1400	1600	4870
Tub Springs.....	0	240	470	830	860	660	3060
Enterprise Canal from:							
Dry Spottedtail Creek....	0	0	0	0	0	0	0
Morrill Drain.....	0	50	60	140	170	90	510
Winter Creek.....	0	0	50	120	120	20	310
Tub Springs.....	0	0	0	0	0	0	0
Winter Creek Canal from:							
Winter Creek.....	0	980	690	2120	2930	1910	8630
Alliance Canal from:							
Bayard Drain.....	70	1760	1920	1710	850	1210	7520
Red Willow Creek.....	10	1120	1580	3030	2950	1480	10170
Totals.....	80	7570	11380	14770	17320	13850	64970

DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS  
 BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT  
 Values in Acre-feet  
 For Water Year Ending September 30, 1979

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
*Bald Drain	240	100	60	30	140	100	110	490	2300	1790	1920	2740	10020
Bayard Sugar Factory Drain	2170	1620	1500	1270	1350	1390	1220	380	960	2410	3260	2980	20510
†Cleveland Drain	520	120	120	40	70	160	130	130	1070	760	870	960	4950
*DeGraw Drain	320	190	130	180	310	450	190	370	520	460	690	440	4250
Dugout Creek, Upper	850	550	460	380	310	250	200	970	2040	1260	1770	1950	10990
*Fairfield Seep	100	60	30	0	0	40	20	40	60	120	160	160	790
*Fanning Seep	0	0	0	0	0	0	0	0	0	0	0	0	0
Gering Drain	2800	2090	2110	1820	2000	1720	1480	3880	8200	8870	8640	10600	54210
Horse Creek	4320	2560	1850	920	2640	1830	1270	4340	14600	11240	6840	14830	67240
†Indian Creek	730	490	420	370	330	370	300	400	1130	1910	2560	2300	11310
*Lane Drain	160	140	90	70	180	200	130	180	200	100	120	170	1740
†Melbeta Drain	510	140	190	160	180	210	140	110	720	1020	820	1560	5760
Nine Mile Drain	9350	6810	5930	5340	4490	4770	4200	7370	6930	11040	15230	13840	95290
Red Willow Creek	6790	5220	4900	4050	3810	4060	3580	4830	10010	8160	10530	10730	76670
*Scottsbluff Drain No. 1	70	60	100	170	170	230	150	230	370	190	280	280	2300
*Scottsbluff Drain No. 2	290	140	190	170	220	220	90	140	280	320	290	300	2650
Sheep Creek	6990	5950	5780	5150	4520	4840	4260	1070	300	260	400	1830	41350
Spottedtail Creek, Dry	2010	1330	1090	970	1130	1070	980	2280	2550	3480	4400	4950	26230
Spottedtail Creek, Wet	730	670	630	500	600	630	530	460	600	770	940	730	7790
Tub Springs Creek	3390	2610	2370	2140	1780	1700	1460	2150	2890	2640	3150	3680	29970
Winters Creek	4110	3190	2930	2450	2590	2770	2480	1830	2860	2640	3470	4670	36000
Totals	46450	34040	30880	26180	26820	27010	22920	31650	58590	59440	66340	79700	510020

\*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, 1979

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Guernsey to Whalen	11140	0	0	0	0	0	20910	102170	80910	199300	211120	158800	784350
Whalen to State Line	2660	0	0	0	0	0	0	12804	19590	33970	32870	23542	125436
State Line to Mitchell	0	0	0	0	0	0	0	21170	53090	90100	82620	44290	291270
Mitchell to Minatare	2200	0	0	0	0	0	0	4890	10270	14770	15330	10860	58320
Minatare to Bridgeport	3200	0	0	0	0	0	180	9370	20120	22940	19430	16610	91850
Bridgeport to Lisco	1460	0	0	0	0	0	0	940	4810	7760	7750	4150	26870
Lisco to Keystone	4060	0	0	0	0	0	0	1830	13190	10770	16390	11890	58130
Keystone to North Platte	2160	0	0	0	0	0	0	8190	16680	28310	30820	20630	106790
North Platte to Odessa	110	70	0	0	0	0	2990	41000	70670	112400	152240	35440	414920
Total, Guernsey-Odessa	26990	70	0	0	0	0	24080	202364	289330	520320	568570	326323	1957936

SUMMARY  
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1979		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Ainsworth	34486	61000	1.77
Alliance	6318	17690	2.80
Bartley	6600	6560	0.99
Beerline	2080	2220	1.07
Belmont	9095	30750	3.38
Birdwood	5187	5380	1.04
Blue Creek	2834	5810	2.05
Browns Creek	6163	11820	1.92
Cambridge	17461	22750	1.30
Castle Rock-Steamboat	6507	18040	2.77
Central	1984	5710	2.88
Champion	840	1750	2.08
Chimney Rock	5316	15440	2.90
Cody-Dillon	4782	4990	1.04
Court House Rock	1449	1500	1.04
Courtland for Nebr lands	1425	1320	0.93
Cozad	25251	31750	1.26
Culbertson	20739	30100	1.45
Dawson County	33552	58690	1.75
Earnest	411	300	0.73
Empire	2085	6460	3.10
Enterprise	7703	23660	3.07
Farwell	51044	98750	1.93
Fort Laramie	105056	337900	3.22
Franklin	11219	17210	1.53
Franklin Pump	2118	2140	1.01
Gering	13106	52750	4.02
**Gothenburg	17480	52770	3.02
Graf	774	1650	2.13
Harris-Neece	1109	1590	1.43
Hooper	872	2290	2.63
Interstate	112449	446450	3.97
**Kearney	7771	3390	0.44
Keith-Lincoln Co.	5968	19920	3.34
Last Chance	176	480	2.73
Lichte	519	260	0.50

SUMMARY  
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1979		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Lisico	3996	10200	2.55
McGinley-Stover	695	230	0.33
McLaughlin	500	360	0.72
Meeker-Driftwood	15574	24360	1.56
Meredith-Ammer	336	650	1.93
#Middle Loup PPID No. 1	3627	7090	1.95
#Middle Loup PPID No. 2	6574	7690	1.17
#Middle Loup PPID No. 3	11900	14270	1.20
#Middle Loup PPID No. 4	11498	13850	1.20
Midland-Overland	2258	1630	0.72
Minatare	9212	21280	2.31
Mirage Flats	11667	13320	1.14
Mitchell	14221	19980	1.40
Moore-Kay	400	620	1.55
Naponee	1761	2214	1.26
Nine Mile	6037	13560	2.25
#No. Loup PPID-Taylor Ord	15078	28800	1.91
#No. Loup PPID-Burwell-Sumter	8662	16690	1.93
#No. Loup PPID-Ord North Loup	6920	10820	1.56
North Platte	14060	42370	3.01
Northport	15982	38790	2.43
Orchard-Alfalfa	5975	9190	1.54
Paisley	1102	4260	3.87
Paxton-Hershey	7323	16110	2.20
Pioneer	749	660	0.88
Potmesil	618	380	0.61
Ramshorn	1652	0	0.00
Red Willow	4844	5780	1.19
Sargent	14007	29850	2.13
Sheridan-Wilson	918	970	1.06
Short Line	2752	6900	2.51
Six Mile	1173	2010	1.71
Suburban	5498	17050	3.10
Superior	5907	10530	1.78
Thirty Mile	23397	37690	1.61
**Tri-County	127361	219430	1.72



SUMMARY  
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1979		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre-feet
Tri-State	61735	223910	3.63
Union	1306	3410	2.61
Western	12300	39080	3.18
Winters Creek	5745	13290	2.31

COMPARISON OF STORAGE  
IN RESERVOIRS

Name of Reservoir	Capacity top of Irrig. Pool Acre-feet	Maximum Storage 1978		Sept. 30, 1979	
		Acre-feet	%Average	Acre-feet	%Average
1 Pathfinder (ownership)	a 1,015,890	1,015,369	110%	489,068	122%
1 Glendo (ownership)	a 184,870	169,622	107%	137,286	104%
Lake C. W. McConaughy	a 1,948,000	1,501,300	87%	1,372,000	97%
Bennett	a 1,400	1,060	100%	490	116%
Whitney	a 10,000	10,520	103%	5,290	150%
Crescent Lake	a 7,000	2,580	157%	1,090	161%
Box Butte	a 31,060	15,990	78%	4,690	96%
2 Enders	a 44,480	28,420	68%	13,820	80%
2 Harry Strunk Lake	a 37,140	41,080	97%	35,200	143%
2 Swanson Lake	a 120,160	62,100	53%	35,950	51%
2 Harlan County	a 342,560	254,000	71%	227,300	86%
2 Hugh Butler Lake	b 37,780	28,590	80%	22,700	82%
Sherman	c 69,080	69,653	106%	23,150	58%
Merritt	d 74,490	74,781	103%	56,487	115%

\*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

1 Capacity to top of irrigation pool consists of 64,780 a.f. of dead and power head water, 100,000 storage for irrigation and 20,090 evaporation loss.

2 When maximum storage exceeds capacity of irrigation pool, it indicates some water is being held in flood control pool.

a 1960-1979 record for average

b 1962-1979 record for average

c 1963-1979 record for average

d 1964-1979 record for average

PREVIOUSLY UNPUBLISHED DATA

DISCHARGE IN SECOND-FEET OF NORTH PLATTE RIVER PASSING  
TRI-STATE DAM--Water Year Ending September 30, 1965

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	250	219	8	2250	1410	11	46
2	282	219	8	2230	1130	11	19
3	306	223	8	2170	796	9	17
4	273	219	8	1560	606	9	19
5	399	250	8	928	157	9	14
6	462	254	11	599	44	8	8
7	427	259	11	410	18	7	6
8	404	236	21	320	11	7	6
9	382	223	190	164	9	7	6
10	372	223	20	864	8	26	7
11	366	223	13	1400	7	26	16
12	366	223	14	2320	7	25	11
13	361	223	21	2800	15	39	6
14	351	223	74	2780	11	70	7
15	351	219	126	2520	9	69	9
16	340	215	34	2370	9	66	34
17	330	215	122	2220	6	64	68
18	330	198	245	2400	6	64	150
19	320	198	90	2500	5	62	140
20	311	194	223	2590	7	62	132
21	306	143	168	2560	12	69	113
22	301	95	1300	2470	11	76	90
23	311	44	1600	2180	15	60	82
24	316	30	1750	2120	15	45	78
25	316	24	1600	2190	20	42	78
26	316	14	1280	2190	44	42	78
27	301	11	2010	2180	268	45	107
28	296	10	2260	2190	84	46	143
29	287	9	2260	2040	16	47	143
30	292	8	2230	1760	12	46	143
31	306	-	2220	----	12	46	---
Mean	333	161	643	1909	154	39	59
Max.	462	259	2260	2800	1410	76	150
Min.	250	8	8	164	5	7	6
A.F.	20490	9610	39540	113600	9480	2410	3520
Total 7 months period 198650 A.F.							

DISCHARGE IN SECOND-FEET OF NORTH PLATTE RIVER PASSING  
TRI-STATE DAM--Water Year Ending September 30, 1966

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	186	242	8	29	13	16	52
2	293	242	8	20	29	7	74
3	212	239	8	16	30	5	50
4	212	239	8	16	30	4	14
5	209	293	8	56	31	4	10
6	209	804	7	25	31	4	13
7	205	804	7	10	23	3	4
8	209	829	7	33	23	10	2
9	242	829	7	70	23	34	2
10	326	863	14	27	22	55	2
11	331	880	19	21	22	16	2
12	331	880	46	19	22	16	2
13	331	708	10	11	27	12	2
14	335	548	7	10	57	4	2
15	390	385	6	9	130	3	2
16	461	289	8	5	65	3	2
17	461	263	9	4	44	3	2
18	473	267	8	3	44	3	2
19	479	227	7	3	57	3	2
20	467	205	7	2	64	11	2
21	456	189	7	2	114	189	2
22	439	153	7	1	70	118	2
23	428	123	8	2	50	80	2
24	433	120	7	3	46	38	36
25	422	38	6	6	39	25	135
26	406	13	6	16	22	21	202
27	417	10	6	9	16	16	298
28	395	9	6	6	14	14	401
29	390	8	6	5	302	12	435
30	401	8	7	7	82	12	528
31	390	-	11	-	29	10	---
Mean	353	357	9	15	51	24	76
Max.	479	880	46	56	302	189	528
Min.	186	8	6	1	13	3	2
A.F.	21700	21240	570	880	3110	1490	4530
Total 7 months period 53520 A.F.							

## PREVIOUSLY UNPUBLISHED DATA

DAILY DIVERSIONS OF CANALS--1963  
THIRTY MILE CANAL from Platte River  
Measured through Parshall flume--Sec. 31-12-26 W.

Date	Oct.	May	June	July	Aug.	Sept.
1	57	38	62	35	70	57
2	14	67	62	35	70	0
3	0	63	61	34	70	0
4	0	61	60	33	71	17
5	0	59	53	33	71	51
6	0	63	15	32	71	51
7	0	68	0	34	82	52
8	0	63	0	33	103	53
9	0	67	0	35	137	57
10	0	66	7	35	165	56
11	0	64	38	36	190	56
12	0	62	37	35	213	56
13	0	61	39	35	229	53
14	0	62	38	35	227	53
15	0	66	37	36	224	53
16	0	82	28	31	222	53
17	0	86	0	31	222	52
18	0	70	0	31	222	39
19	0	62	0	35	222	37
20	0	63	0	36	222	35
21	0	61	0	35	217	34
22	0	57	9	35	195	37
23	0	58	38	34	195	36
24	0	61	36	34	195	35
25	0	61	36	35	197	31
26	0	64	33	32	195	10
27	0	66	32	33	197	10
28	0	67	33	36	199	8
29	0	67	35	43	197	8
30	0	67	35	47	192	8
31	0	63	--	68	182	-
Mean	2	64	27	36	170	37
Max.	57	86	62	68	229	57
Min.	0	38	0	31	70	0
A. F.	140	3940	1630	2210	10440	2180
Water diverted 20540 A.F.						
Sutherland storage included						
Acreage reported A-1853, A-1976, A-2077						
Total - 23129						

MEASUREMENT OF STREAMS  
Year Ending September 30, 1977

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>MISSOURI RIVER TRIBUTARIES, SOUTH DAKOTA LINE TO THE NIOBRARA</u>							
PONCA CREEK, TRIB. TO, NEAR SPENCER North Line Sec. 1-33-12 W.							
5-16	0.0	8-1	0.0				
NIOBRARA RIVER BASIN							
McGUIRE CREEK NEAR NORDEN NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-33-24 W.							
5-5	0.92	7-8	0.62				
SAND DRAW CREEK NEAR AINSWORTH Sec. 29-31-21 W.							
7-19	8.42						
PROSSER CREEK NEAR SPRINGVIEW Sec. 13-32-21 W.							
8-1	0.0						
BARNARD CREEK NEAR RIVERVIEW North Line Sec. 21-32-20 W.							
5-12	0.20						
ASH CREEK NEAR MARIAVILLE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-32-17 W.							
5-13	10.5						
SIMMS CREEK NEAR MARIAVILLE West Line Sec. 26-33-17 W.							
5-13	0.90	7-28	0.87				
OTTER CREEK NEAR MARIAVILLE Sec. 29-33-16 W.							
7-27	3.42						
BIG SANDY CREEK NEAR DUSTIN West Line Sec. 21-33-14 W.							
5-26	32.3	7-27	12.06				

PREVIOUSLY UNPUBLISHED DATA

MEASUREMENT OF STREAMS--Continued  
Year Ending September 30, 1977

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
<u>NIOBRARA RIVER BASIN</u>							
BIG SANDY CREEK NEAR DUSTIN Sec. 12-33-14 W.							
5-26	52.0	7-27	23.10				
LITTLE SANDY CREEK NEAR CATALPA Sec. 18-33-13 W.							
5-26	3.90	7-27	2.17				
PISCHEL CREEK NEAR PISCHELVILLE Sec. 7-32-8 W.							
7-25	0.02						

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