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STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

HYDROGRAPHIC REPORT

1981

**STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES**

STORAGE IN RESERVOIRS

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

1981

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

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PREFACE

The following individuals were employed by the Department during Water Year 1981, October 1, 1980 to October 1, 1981. Those persons that made measurements on streams, canals or pumps, listed in this report, are noted by an asterisk preceding their name. A special note is made of the patient work performed by Judith A. Huwaldt and Dorothy A. Brening in typing and compiling this report.

EXECUTIVES AND EMPLOYEES
OF THE
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Jess, J. Michael, Director	Lincoln
*Ault, Terrance J., Water Resources Specialist II	North Platte
Bandiola, Deborah A., Accounting Clerk	Lincoln
Becker, H. Lee, Engineer IV.	Lincoln
*Birkel, William H., Water Resources Specialist III	Lincoln
Bishop, Robert F., Division Chief, Operations.	Lincoln
Brening, Dorothy A., Office Clerk III.	Bridgeport
Christensen, Stanley M., Water Resources Specialist IV	Bridgeport
Cotton, Susan E., Staff Assistant I.	Lincoln
Dowling, Carol A., Administrative Secretary.	Lincoln
France, Susan A., Administrative Assistant II.	Lincoln
Guzman, Eustaquio, Business Manager II	Lincoln
*Hayden, Thomas L., Water Resources Specialist III.	Bridgeport
Hurst, Mickey C., Office Clerk III	Lincoln
Huwaldt, Judith A., Office Clerk III	Lincoln
*Jackson, Dudley D., Water Resources Specialist II.	Cambridge
*Klanecky, Thomas L., Water Resources Specialist II	Ord
Kubicek, Lumir C., Division Chief, Engineering	Lincoln
*Lamberson, Thomas R., Water Resources Specialist II.	Lincoln
*Lindeman, Guy H., Engineer III	Lincoln
Malone, E. Jane, Staff Assistant II.	Lincoln
Marburger, James A., Water Resources Specialist II	Lincoln
McDonald, Kathleen M., Typist II	Lincoln
*McKeone, Kert J., Water Resources Specialist I	North Platte
*Meikle, Kenneth M., Water Resources Specialist II.	Norfolk
Miller, Sandra J., Secretary	Lincoln
*Mitchell, Thomas A., Water Resources Specialist II	Crawford
*Mortimore, Harvey M., Water Resources Specialist III	Bridgeport
*Neely, David J., Water Resources Specialist III.	Bridgeport
*Nelson, Mark, Engineer II.	Lincoln
*Paulsen, Keith A., Water Resources Specialist II	Lincoln
*Powell, Lloyd E., Water Resources Specialist II.	Bridgeport
*Retchless, James C., Water Resources Specialist II	Bridgeport
Schuler, Rosa L., Staff Assistant II	Bridgeport

*Sejkora, Robert, Water Resources Specialist I Lincoln
 Stakens, Janis, Drafter III Lincoln
 *Studnicka, Danny L., Water Resources Specialist II Ord
 *Turek, Harold, Water Resources Specialist II Ord
 Vassos, James W., Water Resources Specialist III Bridgeport
 *Wadas, Karl A., Water Resources Specialist III Ord
 *Zabel, L. Fred, Water Resources Specialist III Cambridge

OTHERS EMPLOYED DURING WATER YEAR 1981

Aron, Timothy C., Assistant Director Lincoln
 Brown, Michael, Office Clerk III Lincoln
 Brunt, Joan C., Gage Reader Lewellen
 Cicmanec, William, Dam Inspector II Lincoln
 Eichthaler, Susan, Typist II Bridgeport
 *Ender, David B., Water Resources Specialist I Ord
 Goddard, Robert E., Data Collector Morrill
 Moody, Randall, Deputy Director Lincoln
 Neuberger, John W., Director Lincoln
 Petersen, Renee, Typist II Lincoln
 Sides, Lana, Typist II Bridgeport
 Sieng, Sunnary, Office Clerk III Lincoln
 Stevens, Clinton D., Engineer III Lincoln
 Varah, Laura K., Typist II Bridgeport
 *West, Norman E., Water Resources Specialist I Lincoln

WATER COMMISSIONERS

Norris, Herschel A Brady
 *Oaklund, Russell K Lincoln
 Rodgers, Melvin J., Sr Bridgeport
 Shepardson, Victor L Paxton
 *Shepperd, L. Doug, Jr. Mills
 *Waring, Stephen P. Lincoln
 *Williams, Fred B Ord

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HYDROGRAPHIC REPORT 1981

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.

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EXPLANATION OF DATA

The hydrologic data presented in this report was obtained during Water Year 1981 (October 1, 1980 through September 30, 1981). All instantaneous and daily discharge values are expressed in cubic feet per second. Monthly and annual discharge values and reservoir storage totals are listed in acre-feet. The data may be converted to other common units of measurement using the table of equivalents listed below:

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

The data presented in the first section of the report includes mean daily discharges for streams and canals, and monthly reservoir storage totals. The mean daily discharge values were obtained from water stage recorders, or readings taken by an observer. Instantaneous peak discharges are published for streams having recording gages which operate year-round.

The water diverted from streams into canals is measured at gages located as close as possible to the canal headgates. The legal description of the land on which the measuring device is situated, is provided in the heading for each record. The acres to be irrigated, by virtue of the listed appropriations, are noted at the foot of each diversion record. Section 46-261, R.R.S., Nebraska, 1943, requires that canal owners or operators must submit a verified list of lands to be irrigated to the Department by April 1st of each year. The actual amount of land irrigated is sometimes different than that reported because of unforeseen circumstances, such as the weather.

Many discharge measurements are made on streams, canals and pumps, in the course of administering water rights. These measurements are listed in the second and third sections of the report. The measurements define the quantity of flow at the time the reading was obtained. Many sites on streams and canals are visited several times per year, and include measurements taken under base flow conditions. Base flow conditions occur when streamflow consists entirely of ground water seepage, and vegetative growth in the channel is negligible.

Mark Nelson
Hydrologic Engineer

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STORAGE IN RESERVOIRS
AND
DAILY DISCHARGE OF RIVERS, STREAMS AND CANALS
NOT PUBLISHED BY THE U.S. GEOLOGICAL SURVEY
1981

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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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	3,190	-120
Oct. 29, 1980	3,090	-100
Dec. 10, 1980	5,695	+2,605
Dec. 30, 1980	5,470	-225
Jan. 20, 1981	6,257	+787
Feb. 25, 1981	7,835	+1,578
Mar. 5, 1981	8,150	+315
May 6, 1981	9,170	+1,020
May 27, 1981	9,170	0
July 16, 1981	5,807	-3,363
Aug. 19, 1981	4,080	-1,727
Sept. 30, 1981	1,750	-2,330
Change in Storage during Water Year 1981		-1,440

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1981
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 Hiway 29, 3 $\frac{1}{4}$ miles west on county road, 1 mile south on trail road

Date	May	June	July	Aug.	Sept.
1	0	2	1	2	2
2	0	2	1	2	2
3	0	2	1	2	2
4	0	1	1	2	2
5	0	1	1	2	2
6	0	2	1	7	2
7	0	1	0	8	2
8	0	2	0	5	2
9	0	1	1	4	2
10	0	2	1	4	2
11	0	2	1	3	2
12	1	2	0	3	2
13	2	2	0	3	2
14	2	2	1	3	2
15	2	2	2	3	2
16	2	2	1	3	2
17	3	2	1	3	2
18	3	1	2	3	2
19	3	1	2	3	0
20	2	1	2	2	0
21	2	1	2	2	0
22	2	1	2	3	0
23	2	1	3	3	0
24	2	1	2	3	0
25	2	1	2	3	0
26	2	0	2	2	0
27	2	0	2	2	0
28	2	1	2	2	0
29	2	1	2	2	0
30	2	1	2	2	0
31	2	--	2	2	--
S.F.	42	41	43	93	36
Mean	1	1	1	3	1
Max.	3	2	2	8	2
Min.	0	0	0	2	0
A.F.	80	80	90	180	70
Water diverted	500 A.F.				
Acreeage reported	D-554-410				

DAILY DIVERSIONS OF CANALS--1981
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 Hiway 29, 6 $\frac{1}{2}$ miles south on county road, 3/4 mile south on trail road, on north and south river banks

Date	May	June	July	Aug.	Sept.
1	0	3	0	1	1
2	0	3	0	1	1
3	0	3	0	1	1
4	0	2	0	1	1
5	0	2	0	1	1
6	0	2	0	2	1
7	0	3	0	2	1
8	0	3	0	2	1
9	0	3	0	2	2
10	0	3	0	2	2
11	0	3	0	2	2
12	3	3	0	2	1
13	5	3	0	2	1
14	5	3	0	2	1
15	5	3	0	1	1
16	5	4	0	1	1
17	5	3	0	1	0
18	5	3	0	1	0
19	5	3	1	1	0
20	5	3	1	1	0
21	5	3	2	1	0
22	5	3	2	1	0
23	5	3	2	1	0
24	4	2	2	1	0
25	4	2	2	1	0
26	4	2	2	1	0
27	4	0	3	1	0
28	4	0	3	1	0
29	5	0	3	1	0
30	5	0	3	0	0
31	5	--	2	1	--
S.F.	93	73	28	39	19
Mean	3	2	1	1	1
Max.	5	4	3	2	2
Min.	0	0	0	0	0
A.F.	180	140	60	80	40
Water diverted	500 A.F.				
Acreeage reported	D-514a-189; D-514b-150; A-1362-102; Total-441				

NIOBARRA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1981
 McGINLEY-STOVER CANAL from Niobrara River--Measured
 through 2-foot Parshall flume--SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 25-29-56 W.
 Nr. Agate. 4 miles northwest on trail road along river,
 on south river bank

Date	May	June	July	Aug.	Sept.
1	0	0	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	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	2	0	0	0	0
19	2	0	0	0	0
20	2	0	0	0	0
21	2	0	0	0	0
22	2	0	0	0	0
23	2	0	0	0	0
24	2	0	0	0	0
25	2	0	0	0	0
26	2	0	0	0	0
27	2	0	0	0	0
28	1	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	--	0	0	--
S.F.	26	0	0	0	0
Mean	1	0	0	0	0
Max.	2	0	0	0	0
Min.	0	0	0	0	0
A.F.	50	0	0	0	0

Water diverted 50 A.F.
 Acreage reported D-513aR-575; A-513b-120;
 Total-695

DAILY DIVERSIONS OF CANALS--1981
 COOK CANAL NO. 2 PUMP from Niobrara River
 SE $\frac{1}{4}$ NW $\frac{1}{4}$ & NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 1-28-56 W.
 Nr. Agate. 3/4 mile west on trail road
 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	0.9	0.9	0
7	0	0	.9	1.1	0
8	0	0	.9	1.1	0
9	0	0	.9	.9	0
10	0	0	0	.9	0
11	0	0	0	0	0
12	0	0	0.9	0	0
13	0	0	.9	0	0
14	0	0	.9	1.1	0
15	0	0	0	1.1	0
16	0	0	0.9	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	0.4	0.8	0	0
22	0	.4	0	0	0
23	0	.4	0	0	0
24	0	.4	0	0	0
25	0	.4	0	1.1	0
26	0	.4	0	1.1	0
27	0	.4	0	1.1	0
28	0	0	0	.4	0
29	0	0	0	.5	0
30	0	0	0	0	0
31	0	--	0	0	--
S.F.	0	2.8	8.0	11.3	0
Mean	0	.1	.3	.4	0
Max.	0	.4	.9	1.1	0
Min.	0	0	0	0	0
A.F.	0	6	16	22	0

Water diverted 44 A.F.
 Acreage reported D-980-85

DAILY DIVERSIONS OF CANALS--1981
 HARRIS-NEECE CANAL from Niobrara River--Measured
 through rating flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 3-28-55 W.
 Nr. Agate. 3/4 miles east on county road, 1/2 mile
 south on trail road, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	0	10	0	0
2	0	0	10	5	0
3	0	0	2	7	0
4	0	0	0	7	0
5	0	0	0	7	0
6	0	0	0	7	0
7	0	0	6	8	0
8	0	0	5	8	0
9	0	0	5	8	0
10	0	0	6	8	0
11	1	2	6	9	0
12	1	6	5	9	0
13	7	6	7	9	0
14	9	8	7	9	0
15	9	8	7	9	0
16	9	8	7	9	0
17	10	8	7	9	0
18	10	8	9	8	0
19	11	8	9	8	0
20	10	8	9	8	0
21	0	8	8	8	0
22	6	8	3	9	0
23	2	8	0	10	0
24	0	8	0	2	0
25	0	8	0	0	0
26	0	7	0	0	0
27	0	8	0	0	0
28	0	8	0	0	0
29	0	10	0	0	0
30	0	10	0	0	0
31	0	--	0	0	--
S.F.	85	153	128	181	0
Mean	3	5	4	6	0
Max.	11	10	10	10	0
Min.	0	0	0	0	0
A.F.	170	300	250	360	0

Water diverted 1080 A.F.
 Acreage reported D-517-600; A-2275-509;
 Total-1109

DAILY DIVERSIONS OF CANALS--1981
 LaBELLE CANAL from Niobrara River--Measured
 through rating flume--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-28-54 W.
 Nr. Harrison. 2 1/4 miles south on Hiway 29,
 7 miles east on county road, 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	2	2	0	0
6	0	2	2	0	0
7	0	2	1	0	0
8	0	2	0	0	0
9	0	2	0	0	0
10	0	2	0	0	0
11	0	2	1	0	0
12	1	2	1	0	0
13	2	2	2	0	0
14	1	2	0	0	0
15	1	1	0	0	0
16	1	1	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	2	0	0	0	0
23	1	0	0	0	0
24	2	0	0	0	0
25	2	0	0	0	0
26	2	0	0	0	0
27	2	0	0	0	0
28	2	0	0	0	0
29	2	0	0	0	0
30	2	1	0	0	0
31	2	--	0	0	--
S.F.	30	28	13	28	0
Mean	1	1	0	0	0
Max.	2	2	2	0	0
Min.	0	0	0	0	0
A.F.	60	60	30	60	0

Water diverted 150 A.F.
 Acreage reported D-518-140; A-60-220;
 Total-360

DAILY DIVERSIONS OF CANALS--1981
 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

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	0.3	0	0
17	0	0	.3	0	0
18	0	0	0	0.3	0
19	0	0.3	0.3	.3	0
20	0	.3	0	0	0
21	0	.3	0	0.3	0
22	0	.3	0	0	0
23	0	0	0.3	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	-	0	0	-
S.F.	0	1.2	1.2	0.9	0
Mean	0	.04	.04	.03	0
Max.	0	.3	.3	.3	0
S.F.	0	2.4	2.4	1.8	0

Water diverted 7 A.F.
 Acreage reported A-1662-15

DAILY DIVERSIONS OF CANALS--1981
 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	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	2	0	0	0
13	0	3	0	0	0
14	0	3	0	0	0
15	0	3	0	0	0
16	0	2	0	0	0
17	0	2	0	0	0
18	0	2	0	0	0
19	0	2	0	0	0
20	0	2	0	0	0
21	0	2	0	0	0
22	0	2	0	0	0
23	0	2	0	0	0
24	0	2	0	0	0
25	0	2	0	0	0
26	0	2	0	0	0
27	0	2	0	0	0
28	0	2	0	0	0
29	0	2	0	0	0
30	0	1	0	0	0
31	0	-	0	0	-
S.F.	0	40	0	0	0
Mean	0	1	0	0	0
Max.	0	3	0	0	0
Min.	0	0	0	0	0
A.F.	0	80	0	0	0

Water diverted 80 A.F.
 Acreage reported A-1249-241

DAILY DIVERSIONS OF CANALS--1981
 GEO HITSHEW CANAL from Niobrara River
 Measured through rating flume--SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-28-52 W.
 Nr. Marsland. 6 $\frac{1}{2}$ miles west from Hiway 2 and river
 road junction, 1 mile southwest driveway, $\frac{1}{2}$ miles
 south and east 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	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	1	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	4	0	0	0
14	0	3	0	0	0
15	0	3	0	0	0
16	0	3	0	0	0
17	0	1	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	31	0	0	0
Mean	0	1	0	0	0
Max.	0	4	0	0	0
Min.	0	0	0	0	0
A.F.	0	60	0	0	0

Water diverted 60 A.F.
 Acreage reported A-1260=181

DAILY DIVERSIONS OF CANALS--1981
 HITSHEW PUMP NO. 2 from Niobrara River
 SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-28-52 W.
 Nr. Marsland. 6 $\frac{1}{2}$ miles west on north
 river bank

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	1	0	0	0	0
4	1	0	0	0	0
5	1	0	0	0	0
6	1	0	0	0	0
7	1	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	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.	18	0	0	0	0
Mean	1	0	0	0	0
Max.	1	0	0	0	0
Min.	0	0	0	0	0
A.F.	40	0	0	0	0

Water diverted 40 A.F.
 Acreage reported A-4862-42

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1981
 McLAUGHLIN CANAL from Niobrara River--Measured
 through rating flume--SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-28-52 W.
 Nr. Marsland. 3 3/4 miles west from Hiway 2 and
 river road junction, 1 mile south, 1/4 mile south-
 west, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	0	2	0	0
2	0	0	1	0	0
3	0	0	2	0	0
4	0	0	2	0	0
5	0	0	2	0	0
6	0	0	2	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	4	0	0	0
12	0	6	0	0	0
13	0	6	0	0	0
14	0	6	0	0	0
15	0	6	0	0	0
16	0	6	0	0	0
17	0	6	0	0	0
18	0	6	0	0	0
19	0	6	0	0	0
20	0	6	0	0	0
21	0	6	0	0	0
22	0	6	0	0	0
23	0	6	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	6	0	0	0
29	0	6	0	0	0
30	0	6	0	0	0
31	0	--	0	0	--
S.F.	0	118	11	0	0
Mean	0	4	0	0	0
Max.	0	6	2	0	0
Min.	0	0	0	0	0
A.F.	0	230	20	0	0

Water diverted 250 A.F.
 Acreage reported D-566-500

DAILY DIVERSIONS OF CANALS--1981
 EXCELSIOR CANAL from Niobrara River--Measured
 through rating flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-28-52 W.
 Nr. Marsland. 3 3/4 miles west from Hiway 2
 and river road junction, 1/4 mile south, 1/4 mile
 southeast, on north river bank

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

Water diverted 180 A.F.
 Acreage reported D-568-200; A-2264-134;
 Total-334

DAILY DIVERSIONS OF CANALS--1981
 HUGHES CANAL from Niobrara River--Measured
 through rating flume--SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 1-28-52 W.
 Nr. Marsland. 1 3/4 mile west on Hiway 2 and river
 road junction, 1 mile south thru driveway,
 1/4 mile southeast on trail road, on east river bank

Date	May	June	July	Aug.	Sept.
1	0	2	0	0	0
2	0	1	0	0	0
3	0	1	1	0	0
4	0	1	2	0	0
5	0	1	2	0	0
6	0	1	2	0	0
7	0	1	2	0	0
8	0	1	2	0	0
9	0	0	2	0	0
10	0	0	2	0	0
11	0	0	2	0	0
12	0	0	2	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	1	0	0	0	0
30	4	0	0	0	0
31	3	--	0	0	--
S.F.	8	9	19	0	0
Mean	0	0	1	0	0
Max.	4	2	2	0	0
Min.	0	0	0	0	0
A.F.	20	20	40	0	0

Water diverted 80 A.F.
 Acreage reported D-987a-20; D-987b-20;
 Total-40

DAILY DIVERSIONS OF CANALS--1981
 PIONEER PUMP from Niobrara River
 SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-29-50 W.
 Nr. Marsland. 1/4 mile east, 1/2 mile north,
 1 mile east on county road, 1/4 mile east
 on ditch bank road, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	1.2	0	0	0
2	0	1.2	0	0	0
3	0	1.2	0	1.2	0
4	0	1.0	0	1.2	0
5	0	1.2	0	1.2	0
6	0	0	1.2	1.2	0
7	0	0	1.2	1.2	0
8	0	0	1.2	0	0
9	0	0	1.0	0	0
10	0	0	1.2	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	1.2	0
17	0	0	0	1.2	0
18	0	0	0	1.2	0
19	0	0	0	1.2	0
20	0	0	1.2	1.2	0
21	0	0	1.2	1.2	0
22	0	1.2	1.2	0	0
23	0	1.2	1.2	0	0
24	0	1.2	1.2	0	0
25	0	.8	0	0	0
26	0.6	0	0	0	0
27	1.2	0	0	0	0
28	1.2	1.2	0	0	0
29	1.2	0	0	0	0
30	1.2	0	0	0	0
31	1.2	-	0	0	-
S.F.	6.6	11.4	11.8	13.2	0
Mean	.2	.4	.4	.4	0
Max.	1.2	1.2	1.2	1.2	0
Min.	0	0	0	0	0
A.F.	13	23	23	26	0

Water diverted 85 A.F.
 Acreage reported A-3812R-55

DAILY DIVERSIONS OF CANALS--1981
ENTERPRISE CANAL PUMP from Niobrara River
NW½SE½ Sec. 27-29-50 W.
Nr. Marsland. 7 miles east, 1/2 mile south,
on south river bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	1.0	0	0	1.4	0
2	0	1.0	0	0	1.4	0
3	0	1.0	0	0	1.4	0
4	0	0	0	0	1.4	0
5	0	0	0	0	1.4	0
6	0	0	0	0	1.4	0
7	0	0	0	0	1.4	0
8	0	0	1.0	0	1.4	0
9	0	0	1.4	0	0	0
10	0	0	1.4	0	0	0
11	0	0	1.4	0	0	0
12	0	0	1.4	0	0	0
13	0	0	1.4	0	0	0
14	0	0	1.4	0	0	0
15	0	0	1.0	0	0	0
16	0	0	0	0	0	0
17	0	0	0	0	0	0
18	0	0	0	0	0	0
19	0	0	0	0	0	0
20	0	0.4	0	0	0	0
21	0	0	0	0	0	0
22	0	0	0	0	0	0
23	0	0	0	0	0	0
24	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	0	0	0	0	0
27	0	0	0	0	0	0
28	0	0	0	0	0	0
29	1.4	0	0	0	0	0
30	1.4	0	0	0	0	0
31	---	0	--	0	0	--
S.F.	2.8	3.4	10.4	0	11.2	0
Mean	.1	.1	.3	0	.4	0
Max.	1.4	1.0	1.4	0	1.4	0
Min.	0	0	0	0	0	0
A.F.	10	10	20	0	20	0

Water diverted 60 A.F.
Acreage reported D-461R-37; A-5181R-76; Total-113

DAILY DIVERSIONS OF CANALS--1981
MONTAGUE CANAL from Niobrara River--Measured
through rating flume--SW½NW½ 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	1	0
7	0	0	0	1	0
8	0	0	0	1	0
9	0	0	0	2	0
10	0	0	1	1	0
11	0	0	1	1	0
12	0	0	1	1	0
13	0	0	1	1	0
14	0	0	1	0	0
15	0	0	1	0	0
16	0	2	0	0	0
17	0	2	0	0	0
18	0	2	0	0	0
19	0	2	0	0	0
20	0	2	0	0	0
21	0	2	0	0	0
22	0	1	0	0	0
23	0	1	0	0	0
24	0	1	0	0	0
25	0	1	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	17	6	9	0
Mean	0	1	0	0	0
Max.	0	2	1	2	0
Min.	0	0	0	0	0
A.F.	0	30	10	20	0

Water diverted 60 A.F.
Acreage reported A-575-32; A-2754-20;
A-3923-42; Total-94

DAILY DIVERSIONS OF CANALS--1981
MONTAGUE PUMP from Niobrara River
SE½NE½ Sec. 28-29-48 W.
Nr. Dunlap. 1 mile east, on north river bank

Date	Apr.	May	June	July	Aug.	Sept.
1	1	0	1	1	1	0
2	1	0	1	1	1	0
3	1	0	1	1	1	0
4	1	0	1	1	1	0
5	1	0	0	1	1	0
6	1	0	0	1	1	0
7	1	0	0	1	1	0
8	1	0	0	1	1	0
9	1	0	1	1	1	0
10	0	0	1	1	0	0
11	1	0	1	0	0	0
12	1	0	1	0	0	0
13	1	0	1	0	0	0
14	1	1	1	0	0	0
15	1	1	1	0	0	0
16	1	1	1	0	0	0
17	1	1	1	0	0	0
18	1	1	0	0	0	0
19	0	1	0	0	0	0
20	0	0	0	0	1	0
21	1	0	0	0	1	0
22	1	0	0	0	1	0
23	1	0	0	1	1	0
24	1	0	1	1	1	0
25	0	0	1	1	0	0
26	0	0	1	1	0	0
27	0	0	1	1	0	0
28	0	0	1	1	0	0
29	0	1	1	1	0	0
30	0	1	1	1	0	0
31	-	1	-	1	0	-
S.F.	21	9	20	19	14	0
Mean	0.7	0.3	0.7	0.6	0.4	0
Max.	1	1	1	1	1	0
Min.	0	0	0	0	0	0
A.F.	40	20	40	40	30	0

Water diverted 170 A.F.
Acreage reported A-2266-41; A-10716-36;
Total-77

DAILY DIVERSIONS OF CANALS--1981
LICHTE CANAL from Niobrara River--Measured
through Parshall flume--SW½NW½ Sec. 26-29-48 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	4	0	0
2	0	0	3	0	0
3	0	0	3	0	0
4	0	0	3	0	0
5	0	0	3	0	0
6	0	0	2	0	0
7	0	0	1	0	0
8	0	0	2	0	0
9	0	0	3	0	0
10	0	0	2	0	0
11	0	0	3	0	0
12	0	0	4	0	0
13	0	0	4	0	0
14	1	0	4	0	0
15	4	1	4	0	0
16	4	2	3	0	0
17	3	2	3	0	0
18	2	1	3	0	0
19	3	1	3	0	0
20	2	1	2	0	0
21	3	1	2	0	0
22	3	1	2	0	0
23	3	1	0	0	0
24	3	1	0	0	0
25	3	1	0	0	0
26	3	1	0	0	0
27	3	1	0	0	0
28	3	1	0	0	0
29	3	2	0	0	0
30	1	3	0	0	0
31	0	--	0	0	--
S.F.	47	21	63	0	0
Mean	2	1	2	0	0
Max.	4	3	4	0	0
Min.	0	0	0	0	0
A.F.	90	40	120	0	0

Water diverted 250 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

NIOBRARA RIVER BASIN

DAILY DIVERSIONS OF CANALS--1981
 MIRAGE FLATS CANAL from Niobrara River--Measured
 through 10-foot Parshall flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$ 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	176	83	96
2	0	0	194	93	86
3	0	0	183	147	80
4	0	0	181	168	79
5	0	0	179	150	69
6	0	0	181	142	66
7	0	0	193	124	53
8	0	0	202	105	50
9	0	0	198	103	48
10	0	0	195	102	20
11	0	0	194	101	0
12	0	0	193	99	0
13	0	0	194	100	0
14	0	0	189	101	0
15	0	0	186	94	0
16	0	0	182	96	0
17	0	0	138	88	0
18	0	0	0	75	0
19	0	0	0	73	0
20	0	0	0	72	0
21	0	0	11	73	0
22	0	0	73	86	0
23	0	0	0	90	0
24	0	0	15	98	0
25	0	0	47	111	0
26	0	38	33	111	0
27	0	50	24	114	0
28	0	78	21	117	0
29	0	109	23	115	0
30	0	149	24	105	0
31	0	---	63	102	--
S.F.	0	424	3492	3238	647
Mean	0	14	113	104	22
Max.	0	149	202	168	96
Min.	0	0	0	72	0
A.F.	0	840	6930	6420	1280

Water diverted 15470 A.F.
 Acreage reported A-2683-9513; A-3729-2156;
 Total-11669

DAILY DIVERSIONS OF CANALS--1981
 POTMESIL CANAL from Niobrara River--Measured
 through Parshall flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$ 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	5	8	4
2	0	0	6	7	6
3	0	0	5	8	7
4	0	0	5	8	2
5	0	0	5	8	0
6	0	0	5	8	0
7	0	0	5	7	0
8	0	0	5	6	0
9	0	3	5	6	0
10	0	6	5	6	0
11	0	6	5	6	0
12	0	6	5	6	0
13	0	4	5	6	0
14	0	4	5	6	0
15	0	4	5	7	0
16	0	3	5	5	0
17	0	3	5	1	0
18	0	4	0	0	0
19	0	4	0	0	0
20	0	4	0	0	0
21	0	4	0	0	0
22	0	4	3	5	0
23	0	3	0	6	0
24	0	3	0	6	0
25	0	1	0	6	0
26	0	0	0	6	0
27	0	0	0	6	0
28	0	0	1	2	0
29	0	0	4	0	0
30	0	0	5	0	0
31	0	--	7	0	--
S.F.	0	66	106	146	19
Mean	0	2	3	5	1
Max.	0	6	7	8	7
Min.	0	0	0	0	0
A.F.	0	130	210	290	40

Water diverted 670 A.F.
 Acreage reported A-2566-473; A-10686-145;
 Total-618

DAILY DIVERSIONS OF CANALS--1981
 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	Apr.	May	June	July	Aug.	Sept.
1	0	64	63	608	265	120
2	0	76	80	550	308	145
3	0	83	93	280	428	153
4	0	83	103	212	439	163
5	0	83	111	225	166	179
6	0	83	111	283	66	183
7	0	83	111	386	71	185
8	0	83	115	495	79	192
9	0	85	122	585	92	192
10	0	86	127	617	140	185
11	0	76	125	615	220	170
12	0	73	112	620	346	146
13	0	73	112	622	448	138
14	0	73	112	622	483	111
15	0	68	112	627	477	98
16	0	68	110	622	472	80
17	0	68	102	615	465	64
18	0	56	107	617	430	60
19	0	53	112	617	415	53
20	0	55	112	620	400	50
21	0	56	135	605	413	46
22	0	55	187	573	413	46
23	0	54	244	539	417	39
24	0	54	296	486	417	39
25	0	54	380	291	160	44
26	0	54	470	300	101	44
27	0	54	518	206	102	43
28	59	54	529	123	97	42
29	102	54	585	125	91	32
30	81	54	598	152	96	0
31	--	53	---	222	107	--
S.F.	242	2068	6094	14060	8624	3042
Mean	8	67	203	454	278	101
Max.	102	86	598	627	483	192
Min.	0	53	63	123	66	0
A.F.	480	4100	12090	27890	17110	6030

Water diverted 67700 A.F.
 Acreage reported A-5218-34087; A-10620-Supp;
 A-13853-165; A-15122-144; A-15557-103;
 A-15730-175; Total-34673

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, 1981		
Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	1,425	-82
Oct. 31, 1980	1,371	-54
Nov. 30, 1980	1,311	-60
Dec. 31, 1980	1,265	-46
Jan. 31, 1981	1,219	-46
Feb. 28, 1981	1,186	-33
Mar. 31, 1981	1,146	-40
Apr. 30, 1981	1,098	-48
May 31, 1981	1,072	-26
June 30, 1981	1,009	-63
July 31, 1981	956	-53
Aug. 31, 1981	992	+36
Sept. 30, 1981	969	-23
Change in Storage during Water Year 1981		-456

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

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

Water Year Ending September 30, 1981		
Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	3,930	-301
Oct. 31, 1980	3,990	+60
Nov. 30, 1980	3,938	-52
Dec. 31, 1980	3,950	+12
Jan. 31, 1981	3,942	-8
Feb. 28, 1981	3,950	+8
Mar. 31, 1981	3,926	-24
Apr. 30, 1981	3,990	+64
May 31, 1981	3,922	-68
June 30, 1981	3,829	-93
July 31, 1981	3,860	+31
Aug. 31, 1981	4,074	+214
Sept. 30, 1981	3,898	-176
Change in Storage during Water Year 1981		-32

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1981
FORT LARAMIE CANAL from North Platte River
Measured through Parshall flume

Date	SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-26-65 W.			
	May	June	July	Aug. Sept.
1	0	0	1527	1272 1349
2	0	669	1508	1322 1331
3	0	754	1505	1361 1325
4	0	742	1505	1433 1301
5	0	662	1499	1455 1272
6	0	655	1499	1458 1246
7	0	671	1502	1455 1249
8	0	699	1499	1452 1234
9	0	706	1508	1452 1211
10	0	704	1505	1458 1205
11	0	706	1502	1461 1179
12	0	704	1502	1483 1157
13	0	709	1437	1483 1154
14	0	706	1403	1483 1154
15	0	713	1406	1474 1149
16	0	759	1437	1474 1137
17	0	786	1455	1471 1126
18	0	866	1449	1440 1129
19	0	987	1421	1427 1129
20	0	1053	1406	1427 1129
21	0	1154	1406	1415 1093
22	0	1255	1406	1427 1056
23	0	1352	1364	1427 1048
24	0	1421	1361	1430 963
25	0	1530	1358	1430 757
26	0	1517	1352	1433 481
27	0	1499	1355	1433 0
28	0	1499	1334	1430 0
29	0	1508	1301	1406 0
30	0	1530	1287	1391 0
31	0	----	1281	1367 --
S.F.	0	28516	44280	44330 29564
Mean	0	951	1428	1430 985
Max.	0	1530	1527	1483 1349
Min.	0	0	1281	1272 0
A.F.	0	56560	87830	87930 58640
Water diverted 290960 A.F.				
Acreage reported A-768(Nebr)-54846;				
A-768(Wyo)-50210; Total-105056				

DAILY DIVERSIONS OF CANALS--1981
FORT LARAMIE CANAL from North Platte River
At Mile Post 85.3 for Nebraska lands
Measured through Parshall flume

Date	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-21-58 W.			
	May	June	July	Aug. Sept.
1	0	0	592	585 592
2	0	0	603	585 578
3	0	0	587	589 572
4	0	0	596	585 578
5	0	174	596	592 589
6	0	201	596	603 592
7	0	191	598	589 565
8	0	207	605	589 554
9	0	248	587	596 542
10	0	273	598	598 531
11	0	275	598	594 523
12	0	236	598	598 518
13	0	263	618	600 510
14	0	258	609	600 495
15	0	253	594	596 489
16	0	269	598	600 489
17	0	275	603	592 493
18	0	269	609	596 493
19	0	324	605	587 500
20	0	328	603	585 495
21	0	342	605	594 491
22	0	366	605	596 495
23	0	393	592	594 463
24	0	461	603	596 451
25	0	500	609	594 455
26	0	548	607	596 414
27	0	581	609	596 0
28	0	581	605	587 0
29	0	581	600	598 0
30	0	592	583	600 0
31	0	---	581	592 --
S.F.	0	8989	18592	18402 13467
Mean	0	300	600	594 449
Max.	0	592	618	603 592
Min.	0	0	581	585 0
A.F.	0	17830	36880	36500 26710
Water diverted 117920 A.F.				
Acreage reported (Nebr)-54846				

NORTH PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1981
 INTERSTATE CANAL from North Platte River--Measured
 through rating flume--NE¼NW¼ Sec. 11-26-65 W., Wyo.

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	749	0	741	0	1960	1746	1531
2	741	0	746	0	1967	1776	1535
3	733	0	754	0	1967	1830	1487
4	736	0	824	0	1975	1868	1480
5	741	0	910	0	1979	1872	1428
6	743	0	914	141	1986	1872	1428
7	738	0	911	636	1990	1868	1425
8	738	0	908	759	1998	1865	1418
9	736	0	908	888	1990	1868	1415
10	722	0	908	902	1990	1857	1422
11	422	0	908	905	1990	1857	1422
12	0	0	911	908	1986	1853	1422
13	0	0	894	923	1948	1842	1422
14	0	0	659	1036	1804	1815	1425
15	0	0	298	1198	1797	1763	1418
16	0	0	0	1226	1811	1725	1418
17	0	0	0	1343	1876	1644	1418
18	0	0	0	1480	1868	1555	1415
19	0	0	0	1647	1790	1508	1409
20	0	0	0	1766	1780	1508	1409
21	0	0	0	1742	1742	1508	1441
22	0	0	0	1776	1739	1511	1438
23	0	0	0	1865	1739	1508	1438
24	0	0	0	1899	1756	1508	1434
25	0	0	0	1929	1793	1508	1444
26	0	0	0	1941	1599	1508	1447
27	0	116	0	1937	1514	1511	1431
28	0	526	0	1944	1508	1514	1162
29	0	720	0	1952	1521	1525	899
30	0	736	0	1956	1528	1525	891
31	0	---	0	---	1627	1531	---
S.F.	7799	2098	12194	34704	56518	52149	41772
Mean	252	70	393	1157	1823	1682	1392
Max.	749	736	914	1956	1998	1872	1535
Min.	0	0	0	0	1508	1508	891
A.F.	15470	4160	24190	68830	112100	103440	82850

Water diverted 411040 A.F.
 Acreage reported A-768 (Nebr)=100940; A-768 (Wyo)-11500; Total 112449

ALICE RESERVOIR STORAGE IN ACRE-FEET

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

Water Year Ending September 30, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	1,520	-1,486
Oct. 31, 1980	0	0
Nov. 30, 1980	0	0
Dec. 31, 1980	0	0
Jan. 31, 1981	0	0
Feb. 28, 1981	0	0
Mar. 31, 1981	0	0
Apr. 30, 1981	0	0
May 31, 1981	3,109	+3,109
June 30, 1981	7,930	+4,821
July 31, 1981	7,518	-412
Aug. 31, 1981	5,885	-1,633
Sept. 30, 1981	1,966	-3,919
Change in Storage during Water Year 1981		+446

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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	24,040	-1,486
Oct. 31, 1980	38,132	+14,092
Nov. 30, 1980	37,602	-532
Dec. 31, 1980	36,902	-700
Jan. 31, 1981	36,730	-172
Feb. 28, 1981	36,211	-519
Mar. 31, 1981	35,693	-518
Apr. 30, 1981	35,182	-511
May 31, 1981	45,126	+9,944
June 30, 1981	45,126	0
July 31, 1981	31,212	-13,914
Aug. 31, 1981	17,639	-13,573
Sept. 30, 1981	24,454	+6,815
Change in Storage during Water Year 1981		+414

DAILY DIVERSIONS OF CANALS--1981
 MITCHELL CANAL from North Platte River--Measured
 through rating flume--SW¼NE¼ Sec. 10-23-60 W., Wyo.
 Nr. Henry. 1/3 mile south from railroad tracks,
 3/10 mile west, 1/10 mile south, on left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	30	0	0	108	82	75
2	0	0	0	101	79	72
3	0	0	51	91	92	62
4	0	0	0	88	109	52
5	0	102	51	88	117	53
6	0	145	159	86	118	46
7	0	1	156	99	118	46
8	0	12	159	100	108	42
9	0	12	157	105	104	41
10	0	26	143	101	104	45
11	0	24	140	97	101	48
12	0	32	134	96	103	52
13	0	53	128	56	108	50
14	0	55	128	81	100	63
15	0	56	126	78	108	64
16	0	54	0	79	90	69
17	0	49	8	72	99	75
18	0	38	15	74	92	84
19	0	35	30	79	76	35
20	0	32	33	73	72	86
21	0	35	33	82	77	86
22	0	61	56	83	75	81
23	0	0	89	87	73	77
24	0	0	99	74	83	80
25	0	0	98	61	84	81
26	0	0	107	84	84	81
27	0	0	111	86	73	75
28	0	0	104	68	74	80
29	0	0	107	71	72	82
30	0	0	106	69	67	42
31	0	0	---	79	75	---
S.F.	30	822	2528	2596	2817	1975
Mean	1	27	84	84	91	66
Max.	30	145	159	103	118	86
Min.	0	0	0	56	67	41
A.F.	60	1630	5010	5150	5590	3920

Water diverted 21360 A.F.
 Acreage reported D-1052-13565

DAILY DIVERSIONS OF CANALS--1981
 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 26, 2/10 mile
 south, 1/10 mile east, on right bank

Date	May	June	July	Aug.	Sept.
1	0	170	1030	886	729
2	0	165	1009	908	685
3	100	341	967	940	608
4	215	383	975	963	619
5	150	421	986	974	564
6	76	352	991	1019	588
7	136	380	1009	990	526
8	145	369	1050	969	510
9	145	337	1048	974	483
10	136	290	1047	1001	490
11	110	345	1057	935	494
12	110	337	1077	893	523
13	110	350	1122	875	523
14	110	369	1062	885	532
15	112	385	1048	871	553
16	120	389	1049	874	584
17	124	395	1022	868	562
18	138	421	1049	815	559
19	148	447	1012	760	593
20	130	596	999	752	581
21	124	657	973	747	585
22	208	628	973	743	621
23	244	758	976	768	656
24	228	967	985	743	637
25	223	1083	1025	730	431
26	215	1096	1029	711	296
27	208	1113	979	735	367
28	191	1087	884	773	398
29	200	1097	860	772	129
30	188	1040	824	756	0
31	183	----	831	738	---
S.F.	4527	16768	30953	26373	15426
Mean	146	559	998	851	514
Max.	244	1113	1122	1019	729
Min.	0	165	824	711	0
A.F.	8980	33260	61390	52310	30600
Water diverted					186540 A.F.

DAILY DIVERSIONS OF CANALS--1981

TRI-STATE DIVERSION
 FOR FARMERS IRRIGATION DISTRICT AND PREFERRED RIGHTS
 Summary in Acre-feet--1981

	May	June	July	Aug.	Sept.	Totals
Diverted from:						
North Platte River.....	8980	33260	61390	52310	30600	186540
*Optional Diversions.....	0	150	690	730	490	2060
**Drains.....	4270	180	0	0	600	5050
Totals.....	13250	33590	62080	53040	31690	193650

Water diverted 193650 A.F.
 Acreage reported D-918-60056: A-660-2913;
 O.D.'s-399; Total-63368

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

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

Date	May	June	July	Aug.	Sept.
1	165	5	100	67	15
2	165	5	161	88	48
3	200	5	198	105	53
4	17	10	155	88	40
5	17	8	128	90	44
6	17	8	100	97	62
7	17	8	79	118	79
8	12	65	102	132	38
9	12	43	72	125	10
10	10	32	102	180	10
11	7	72	128	170	10
12	7	50	142	187	10
13	7	40	775	158	10
14	7	31	475	131	11
15	7	19	296	137	11
16	7	10	373	107	11
17	7	10	386	146	11
18	5	10	478	116	11
19	5	12	400	32	11
20	5	15	283	28	11
21	5	15	224	27	11
22	5	15	130	22	11
23	5	15	50	107	11
24	5	15	60	77	11
25	5	15	211	37	11
26	5	15	395	15	11
27	5	51	351	15	11
28	5	144	150	15	11
29	5	137	83	29	230
30	5	115	82	40	410
31	5	---	60	20	---
S.F.	751	995	6729	2706	1234
Mean	24	33	217	87	41
Max.	200	144	775	187	410
Min.	5	5	50	15	11
A.F.	1490	1970	13350	5370	2450
Total 5 month					24630 A.F.

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF AKERS DRAW INTO TRI-STATE CANAL
 NW¼SW¼ Sec. 12-23-57W.--Water Year Ending September 30, 1981
 Near Morrill. One mile east from Highway 26 & Junction 79B Spur,
 0.9 mile north, shelter house on right upstream bank above bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 57 Cubic Feet per Second at 1830 hrs. on
 July 25 at a Gage Height of 3.79 Feet. Minimum Daily Discharge, 7.6 Cubic Feet per
 Second on February 6 and July 24.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	11	12	11	11	10	9.6	10	9.0	9.6	14	13
2	11	11	12	11	11	10	9.6	9.6	9.3	9.6	16	13
3	11	11	12	11	11	10	10	9.3	9.6	9.6	18	13
4	11	11	12	11	10	10	10	9.0	10	9.6	17	13
5	12	12	12	11	8.7	10	9.6	8.7	10	9.3	17	12
6	12	11	12	11	7.6	11	9.6	9.3	10	9.6	16	13
7	12	11	12	11	8.1	11	9.6	9.6	10	10	16	12
8	12	12	12	11	7.8	10	9.3	10	10	12	14	12
9	12	12	12	11	8.1	11	9.3	10	10	12	14	12
10	12	12	12	11	8.1	11	9.3	8.7	9.6	12	14	12
11	12	12	12	11	8.1	11	9.6	8.1	9.6	11	12	11
12	12	12	12	11	8.1	11	9.6	8.1	9.3	12	14	12
13	12	12	12	11	8.4	11	9.6	8.7	9.6	14	14	12
14	12	12	12	11	7.8	11	9.6	8.7	9.0	14	15	12
15	12	12	12	11	7.8	11	9.6	9.6	8.7	13	14	12
16	12	12	12	11	8.1	10	9.6	10	8.7	13	14	12
17	11	12	11	11	8.7	10	10	11	9.0	13	14	12
18	11	12	11	11	9.6	10	10	10	9.3	13	14	12
19	12	12	11	11	10	10	10	10	9.6	12	14	12
20	12	12	11	11	11	10	10	9.6	10	11	14	12
21	12	12	11	12	11	10	10	9.0	11	7.8	14	11
22	12	12	11	12	11	10	10	8.7	11	8.1	14	12
23	12	12	11	12	11	10	10	8.4	11	7.8	16	11
24	12	12	11	11	11	10	11	8.1	11	7.6	14	11
25	12	12	11	12	11	9.6	11	8.4	10	12	14	11
26	12	12	11	12	11	9.6	11	8.1	10	18	13	11
27	12	12	10	12	11	9.6	11	8.1	9.6	16	13	12
28	11	12	10	12	10	10	10	9.1	9.6	15	14	12
29	11	12	10	12	--	10	10	9.0	9.6	13	14	12
30	11	12	10	11	--	10	10	9.0	9.6	12	14	14
31	11	--	10	11	--	9.6	--	9.0	--	12	13	--
S.F.	362	349	352	358	262.4	317.4	297.5	280.9	292.7	358.6	448	361
Mean	12	12	11	12	9.4	10.2	9.9	9.1	9.8	11.6	14	12
Max.	12	12	12	12	11	11	11	11	11	18	18	14
Min.	11	11	10	11	7.6	9.6	9.3	8.1	3.7	7.6	12	11
A.F.	720	690	700	710	520	630	590	560	580	710	890	720
Total	acre-feet 8020 A.F.											

DAILY DIVERSIONS OF CANALS--1981
 ENTERPRISE CANAL from North Platte River--Measured
 through rating flume--NE¼NW¼ Sec. 27-23-57 W.
 Nr. Morrill. 2 miles south of Morrill on State
 Spur L-79-D to North Platte River then 4/10 mile
 east on left bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	45	35	88	88	83
2	0	40	36	89	98	84
3	0	41	37	89	98	88
4	0	38	47	83	92	93
5	0	33	49	79	94	97
6	0	32	56	85	101	109
7	0	33	60	89	90	106
8	0	32	59	94	90	85
9	0	30	55	90	93	90
10	0	28	57	99	90	83
11	0	28	59	99	92	77
12	0	27	53	103	93	78
13	0	27	50	130	93	84
14	0	32	51	90	93	83
15	0	38	48	92	96	84
16	0	38	47	110	96	80
17	0	41	66	105	99	77
18	0	53	80	105	97	76
19	0	50	80	97	84	78
20	0	41	77	97	85	85
21	0	39	80	92	82	87
22	0	39	84	88	84	88
23	0	39	99	87	119	92
24	0	39	96	76	122	87
25	0	38	103	107	92	89
26	0	38	106	111	79	83
27	3	38	114	101	84	72
28	25	38	107	90	96	67
29	45	38	87	98	101	1
30	25	36	87	96	118	0
31	--	36	--	94	97	--
S.F.	98	1145	2065	2953	2936	2386
Mean	3	37	69	95	95	80
Max.	45	53	114	130	122	109
Min.	0	27	35	76	82	0
A.F.	190	2270	4100	5860	5820	4730
Water diverted	22970 A.F.					
Acreeage reported	D-920-7295					

DAILY DIVERSIONS OF CANALS--1981
 ENTERPRISE CANAL from Morrill Drain--Measured
 in channel of drain--Sec. 14-23-57 W.
 Nr. 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	1	1	2	3	2
2	1	1	2	3	2
3	1	1	3	3	2
4	1	1	3	3	2
5	1	1	3	3	2
6	1	0	3	3	2
7	1	0	3	2	2
8	1	0	3	2	2
9	1	0	3	2	2
10	1	0	4	2	2
11	1	0	4	2	2
12	2	0	4	2	2
13	2	0	4	2	2
14	2	0	4	2	2
15	2	0	4	2	2
16	2	0	4	2	2
17	2	0	4	2	2
18	2	0	4	2	2
19	2	1	4	2	2
20	2	1	4	2	2
21	2	1	4	2	2
22	2	1	4	2	2
23	2	1	4	2	2
24	2	1	4	2	2
25	1	1	4	2	2
26	1	2	4	2	2
27	1	2	4	2	2
28	1	2	4	2	2
29	1	2	4	2	2
30	1	2	4	2	2
31	1	--	3	2	--
S.F.	44	22	112	63	60
Mean	1	1	4	2	2
Max.	2	2	4	2	2
Min.	1	0	2	2	2
A.F.	90	40	220	130	120
Water diverted	600 A.F.				

DAILY DIVERSTIONS OF CANALS--1981
 ENTERPRISE CANAL from Winters Creek--Measured
 in channel of canal--Sec. 17-22-54 W.
 Nr. Scottsbluff. From Great Western Sugar
 Factory at East Overland and 21st Ave. north
 1 mile to east 27th St. east 1.1 mile, follow
 road on right bank of canal approx. 1/2 mile north
 to where 24-inch concrete pipe emerges from ground

Date	May	June	July	Aug.	Sept.
1	0	2	2	2	1
2	0	2	2	2	1
3	0	2	2	2	1
4	0	2	2	2	1
5	0	2	2	2	1
6	0	2	2	2	2
7	0	2	2	2	2
8	0	2	2	2	2
9	0	2	2	2	2
10	0	2	2	2	2
11	0	2	2	2	2
12	0	2	2	2	2
13	0	2	2	2	1
14	0	2	2	2	1
15	0	2	2	2	1
16	1	2	2	2	1
17	1	2	2	2	1
18	1	2	2	2	1
19	1	2	2	2	1
20	1	2	2	2	0
21	2	2	2	2	0
22	2	2	2	2	0
23	2	2	2	2	0
24	2	2	2	2	0
25	3	2	2	2	0
26	3	2	2	2	0
27	3	2	2	2	0
28	3	2	2	2	0
29	2	2	2	2	0
30	2	2	2	1	0
31	2	--	2	1	--
S. F.	31	60	62	60	26
Mean	1	2	2	2	1
Max.	3	2	2	2	2
Min.	0	2	2	1	0
A. F.	60	120	120	120	50
Water diverted	470 A.F.				

DAILY DIVERSTIONS OF CANALS--1981

ENTERPRISE CANAL
 Summary in Acre-feet--1981

Diverted from:	Apr.	May	June	July	Aug.	Sept.	Totals
North Platte River....	190	2270	4100	5860	5820	4730	22970
Morrill Drain.....	0	90	40	220	130	120	600
Dry Spottedtail Creek.	0	0	0	0	0	0	0
Tub Springs.....	0	0	0	0	0	0	0
Winters Creek.....	0	60	120	120	120	50	470
Natural flow.....	190	2420	4260	6200	6070	4900	24040
Storage flow.....	0	0	0	0	0	0	0
Totals.....	190	2420	4260	6200	6070	4900	24040

No storage ordered during 1981 water year
 Water diverted 24040 A.F. Natural flow

DISCHARGE IN SECOND-FEET OF DRY SPOTTEDTAIL CREEK
 SE&SE, Sec. 20-23-56W.--Water Year Ending September 30, 1981
 At Mitchell. One half mile west of Mitchell on county road,
 on right bank five feet upstream from bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 581 Cubic Feet per Second at 2300 hrs. on
 June 28 at a Gage Height of 4.80 Feet. Minimum Daily Discharge, 10 Cubic Feet per
 Second on May 2.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	63	25	18	14	11	17	18	45	24	54	66	74
2	52	24	18	14	11	17	18	10	23	55	65	73
3	40	23	18	14	11	17	19	12	24	63	60	73
4	36	24	18	14	11	17	20	13	25	62	50	76
5	36	24	18	14	11	17	20	23	24	56	44	79
6	34	24	18	13	11	17	18	20	24	52	62	80
7	31	23	18	13	11	17	17	32	23	51	60	77
8	30	23	17	13	11	17	17	24	22	51	56	66
9	30	23	17	13	11	17	17	24	22	66	59	65
10	29	23	16	13	11	17	17	24	24	86	50	65
11	30	23	16	13	11	17	17	22	23	74	56	65
12	30	23	16	13	11	17	19	22	21	82	54	51
13	28	24	16	13	10	16	19	22	20	270	50	49
14	27	24	16	14	13	13	16	23	19	174	56	50
15	28	23	16	13	19	16	16	24	21	152	58	51
16	29	22	16	13	19	16	16	24	24	124	59	50
17	28	20	16	13	19	16	16	23	26	104	60	50
18	27	20	16	13	19	17	16	22	20	265	68	54
19	27	20	14	13	19	17	16	22	26	122	65	51
20	27	20	14	12	20	17	16	23	30	94	58	55
21	26	20	14	11	20	18	15	23	26	76	60	66
22	26	21	15	11	20	17	15	24	26	72	55	55
23	24	21	15	11	19	17	14	24	27	66	62	54
24	24	21	14	11	19	17	14	24	30	66	66	54
25	24	19	14	12	19	17	15	24	31	101	65	56
26	24	19	15	12	18	17	19	25	35	114	65	113
27	25	19	15	17	18	17	23	25	39	97	65	174
28	25	20	14	12	18	17	58	26	103	82	73	173
29	25	19	14	12	--	17	133	25	138	77	73	104
30	25	19	14	12	--	17	104	24	59	72	82	91
31	25	--	14	12	--	17	--	24	--	70	80	--
S. F.	935	653	490	393	421	520	758	722	979	2950	1910	2194
Mean	30	22	16	13	15	17	25	23	33	95	62	73
Max.	63	25	18	14	20	18	133	45	138	270	82	174
Min.	24	19	14	11	11	13	14	10	19	51	44	49
A. F.	1850	1300	970	780	840	1030	1500	1430	1940	5850	3790	4350
Total acre-feet	25630 A.F.											

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF WET SPOTTEDTAIL CREEK
 NEAR MITCHELL--SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-22-55W.--Water Year Ending September 30, 1981
 Four and one half miles southeast of Junction of Highway 26 and University
 Experiment Farm road on Highway 26. Turn right across
 railroad tracks 0.3 mile through farmyard to creek

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 22 Cubic Feet per Second at 2300 hrs. on August 13 at a Gage Height of 2.62 Feet. Maximum Gage Height, 2.67 Feet at 0230 hrs. on February 2 Resulted from Backwater from Ice. Minimum Daily Discharge, 6.6 Cubic Feet per Second on June 25.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	12	9.7	9.8	7.0	8.1	7.6	7.4	7.4	9.8	15	14
2	13	12	9.6	9.8	7.0	8.1	7.9	7.5	7.4	12	15	14
3	13	11	9.7	9.9	8.0	8.2	8.0	8.0	8.0	11	16	14
4	13	11	9.6	9.9	9.0	8.1	7.9	8.1	7.9	10	16	14
5	13	12	9.6	10	8.4	8.2	7.7	7.4	7.7	10	15	14
6	13	12	9.6	11	8.4	8.4	7.7	8.6	7.8	11	15	14
7	13	11	9.7	10	8.1	8.6	8.1	9.0	7.1	11	16	14
8	13	11	9.6	9.0	7.6	8.6	8.0	8.2	7.1	11	17	14
9	12	11	9.7	9.2	7.0	8.6	8.0	8.1	7.1	12	18	15
10	12	11	9.6	9.3	7.0	8.4	7.9	8.0	7.2	13	18	15
11	12	11	9.6	9.4	7.2	8.4	8.0	8.0	7.1	12	17	15
12	12	11	9.6	9.4	7.6	8.4	7.9	7.9	7.0	11	17	15
13	12	11	9.6	9.6	7.9	8.4	7.6	7.9	7.0	13	17	15
14	12	11	9.4	9.4	7.5	8.4	7.6	7.9	7.0	11	16	15
15	12	11	9.4	9.4	7.4	8.0	7.6	7.9	6.9	12	15	15
16	12	11	9.4	9.4	7.2	8.0	7.5	8.1	6.8	12	15	15
17	12	11	9.3	9.4	7.2	8.1	7.6	8.8	6.8	12	14	15
18	12	11	9.3	9.4	7.2	8.0	7.6	8.9	6.8	12	15	13
19	12	11	9.2	9.4	7.4	7.7	8.6	8.0	6.8	13	15	13
20	12	11	9.3	9.4	7.4	7.9	9.6	7.9	6.8	14	14	13
21	12	11	9.3	9.4	7.2	8.1	8.8	7.7	6.8	15	14	13
22	12	11	9.4	9.4	7.2	7.7	8.4	7.7	7.2	14	14	13
23	12	11	9.4	9.4	7.1	7.7	8.2	7.5	6.8	14	14	13
24	12	11	9.5	9.4	7.2	7.7	8.0	7.4	6.8	15	14	14
25	12	11	9.5	9.4	7.5	7.7	7.6	7.4	6.6	14	14	14
26	12	10	9.6	9.2	7.7	7.7	7.5	7.5	7.5	15	14	14
27	12	9.9	9.6	9.2	7.7	8.1	7.5	7.5	9.0	14	15	15
28	12	9.9	9.7	9.0	8.0	8.0	7.5	7.4	9.6	14	15	14
29	12	9.9	9.7	8.6	---	7.7	7.5	7.4	10	14	15	14
30	12	9.7	9.7	8.1	---	7.7	7.5	7.4	9.7	13	15	14
31	12	---	9.7	7.8	---	7.6	---	7.4	---	15	14	--
S. F.	380	328.4	295.6	291.0	211.1	250.3	236.9	243.9	223.7	389.8	474	424
Mean	12.2	10.9	9.5	9.4	7.5	8.1	7.9	7.9	7.5	12.6	15.3	14.1
Max.	13	12	9.7	11	9.0	8.6	9.6	9.0	10	15	18	15
Min.	12	9.7	9.2	7.8	7.0	7.6	7.5	7.4	6.6	9.8	14	13
A. F.	750	650	590	580	420	500	470	480	440	770	940	940
Total acre-feet	7430 A.F.											

DISCHARGE IN SECOND-FEET OF TUB SPRINGS
 SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 33-23-55W.--Water Year Ending September 30, 1981
 Near Scottsbluff. Three and one half miles west of Junction of Highways 26 & 71,
 $\frac{1}{4}$ miles north on county road, 50 feet upstream from county bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 491 Cubic Feet per Second at 2030 hrs. on July 25 at a Gage Height of 3.80 Feet. Minimum Daily Discharge, 17 Cubic Feet per Second on May 14-16.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	60	49	41	36	31	25	25	33	23	33	35	46
2	58	49	41	36	31	25	25	46	24	53	37	41
3	57	47	43	36	31	25	25	48	26	54	36	46
4	57	45	42	35	31	25	25	49	29	51	38	41
5	56	46	42	34	31	26	25	40	31	47	39	39
6	56	45	41	35	31	26	25	39	36	34	46	55
7	56	45	40	35	31	26	25	43	38	32	46	60
8	55	45	40	34	31	26	26	44	36	33	41	53
9	53	44	40	33	31	26	25	42	35	33	48	51
10	53	44	40	33	30	26	24	41	38	35	47	46
11	55	44	40	33	31	26	24	38	45	32	37	44
12	56	43	40	33	31	27	24	30	37	35	37	46
13	56	43	40	33	32	27	24	20	32	104	37	48
14	56	43	39	33	31	27	24	17	34	68	46	51
15	60	43	38	33	31	25	23	17	34	58	40	48
16	60	43	38	33	31	25	23	17	26	38	47	53
17	58	43	38	33	31	25	23	18	21	35	60	53
18	58	43	38	33	31	25	23	23	27	60	64	53
19	58	43	38	33	31	25	23	32	30	55	53	54
20	57	43	38	33	31	25	25	31	29	50	50	55
21	56	43	38	33	31	26	22	31	27	38	53	54
22	56	43	38	33	31	25	22	32	23	36	55	51
23	53	43	38	33	31	26	22	34	22	38	57	51
24	50	42	37	33	30	26	22	36	26	50	60	53
25	50	42	38	33	30	26	22	36	28	98	43	58
26	50	41	37	33	28	26	22	31	31	86	40	79
27	49	41	38	33	28	25	22	26	30	73	39	88
28	49	41	37	33	26	25	22	25	72	61	41	95
29	49	41	36	32	--	25	22	25	56	69	41	78
30	49	41	36	32	--	25	22	26	35	62	44	72
31	49	--	36	32	--	25	--	24	--	39	46	--
S. F.	1695	1308	1206	1037	855	793	706	994	981	1590	1403	1652
Mean	55	44	39	34	30	26	24	32	33	51	45	55
Max.	60	49	43	36	32	27	26	49	72	104	64	95
Min.	49	41	36	32	26	25	22	17	21	32	35	39
A. F.	3360	2590	2290	2060	1700	1570	1400	1970	1950	3150	2780	3300
Total acre-feet	28220 A.F.											

DAILY DIVERSIONS OF CANALS--1981
 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. Nr. Scottsbluff. From intersection of Broadway and West 20th St. in downtown Scottsbluff go west 2.6 miles on Hiway 92 to Riverview Golf Course, turn north on county road for 1/2 mile, then west 3/10 mile Gage on right bank

Date	May	June	July	Aug.	Sept.
1	0	12	24	24	22
2	0	10	25	24	22
3	0	10	26	27	22
4	0	20	26	28	22
5	6	16	26	30	21
6	8	17	26	30	22
7	7	18	27	30	22
8	5	16	30	28	17
9	3	14	30	27	14
10	4	13	28	27	14
11	12	15	26	28	17
12	9	10	30	27	18
13	10	9	26	27	16
14	17	12	24	25	17
15	16	13	24	23	17
16	15	10	26	25	15
17	19	12	28	24	16
18	18	12	30	24	16
19	14	12	26	22	16
20	12	14	26	20	16
21	16	17	26	21	17
22	18	19	28	22	17
23	18	24	26	23	19
24	17	27	26	25	16
25	16	29	24	22	18
26	19	28	24	19	18
27	18	31	20	20	17
28	16	35	19	22	5
29	15	25	21	22	0
30	14	21	23	24	0
31	13	--	23	22	--
S.F.	355	521	794	762	489
Mean	11	17	26	25	16
Max.	19	35	30	30	22
Min.	0	9	19	19	0
A.F.	700	1030	1570	1510	970

Water diverted 5780 A.F.
 Acreage reported D-952-5745

DAILY DIVERSIONS OF CANALS--1981
 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	May	June	July	Aug.	Sept.
1	0	0	204	196	140
2	0	0	211	201	138
3	0	0	209	201	141
4	0	0	209	198	142
5	0	0	209	194	137
6	0	0	207	194	142
7	142	0	193	194	142
8	130	0	193	204	145
9	128	0	190	205	144
10	130	0	196	205	135
11	142	0	193	203	130
12	121	0	194	196	129
13	99	0	222	194	131
14	96	0	209	200	131
15	92	0	205	192	136
16	91	140	204	207	129
17	100	144	205	194	128
18	114	145	203	198	131
19	114	147	198	184	128
20	112	148	205	169	126
21	112	141	200	158	126
22	104	144	200	160	131
23	0	154	200	163	135
24	0	184	211	160	130
25	0	194	226	160	129
26	0	211	204	160	129
27	0	207	201	168	135
28	0	215	204	150	130
29	0	214	201	150	128
30	0	215	203	148	129
31	0	--	192	140	--
S.F.	1827	2603	6304	5646	4007
Mean	59	87	203	182	134
Max.	142	215	226	207	145
Min.	0	0	190	140	126
A.F.	3620	5160	12500	11200	7950

Water diverted 40430 A.F.
 Acreage reported A-365R-12255

DAILY DIVERSIONS OF CANALS--1981
 CENTRAL CANAL from North Platte River--Measured through rating flume--NW $\frac{1}{4}$ SW $\frac{1}{4}$ 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	2	0	24	35	28	23
2	0	0	24	35	29	23
3	0	0	23	36	29	24
4	0	0	20	35	30	25
5	0	0	19	34	30	25
6	0	0	26	32	30	26
7	0	0	21	32	32	26
8	0	0	12	34	34	22
9	0	0	20	33	31	20
10	0	0	22	34	31	22
11	0	0	23	34	31	23
12	0	0	24	33	31	23
13	0	0	23	32	30	22
14	0	5	23	32	28	22
15	0	10	24	31	29	22
16	0	12	23	32	26	22
17	0	12	23	34	18	22
18	0	14	22	34	27	23
19	0	16	20	34	26	23
20	0	14	26	36	26	24
21	0	16	26	35	24	19
22	0	16	26	33	18	12
23	0	16	26	34	22	18
24	0	17	33	31	22	21
25	0	17	37	24	23	21
26	0	18	37	28	23	26
27	0	18	37	27	23	24
28	0	17	39	22	22	19
29	0	16	39	26	22	18
30	0	16	32	27	23	17
31	--	21	--	28	24	--
S.F.	2	271	774	987	822	657
Mean	0	9	26	32	27	22
Max.	2	18	39	36	34	26
Min.	0	0	12	22	18	12
A.F.	0	540	1540	1960	1630	1300

Water diverted 6970 A.F.
 Acreage reported D-926-1984

DAILY DIVERSIONS OF CANALS--1981

CENTRAL CANAL
 Summary in Acre-feet--1981

Diverted	May	June	July	Aug.	Sept.	Totals
Natural.....	540	1450	1700	1580	1300	6570
Storage.....	0	90	260	50	0	400
Totals.....	540	1540	1960	1630	1300	6970

Storage orders - June 26-July 2 for 7 cfs
 July 3-July 9 for 9 cfs
 July 10-July 29 for 6 cfs
 Aug. 7-Aug. 19 for 4 cfs

Water diverted 6970 A.F.
 Natural 6570 A.F.
 Storage 400 A.F.

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF WINTERS CREEK NEAR SCOTTSBLUFF
 NW¼SE¼ Sec. 30-22-54W.--Water Year Ending September 30, 1981
 one half mile east of Junction of Highway 26 and East Overland,
 on right bank 0.1 mile downstream from Highway 26 bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 548 Cubic Feet per Second at 2115 hrs. on
 July 25 at a Gage Height of 5.49 Feet. Minimum Daily Discharge, 10 Cubic Feet per
 Second on May 9-10.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	79	60	49	41	38	44	38	13	22	41	56	67
2	75	58	49	41	39	44	38	13	18	52	54	67
3	75	58	49	40	38	45	38	12	18	56	48	69
4	75	58	48	40	38	45	38	12	28	58	34	72
5	73	58	48	40	37	43	38	12	37	51	31	72
6	69	58	47	40	36	41	38	15	40	32	37	78
7	67	56	47	40	36	41	39	12	49	23	44	80
8	66	54	46	39	36	41	40	12	43	28	47	74
9	65	54	46	39	36	37	39	10	38	26	63	66
10	65	54	47	39	36	37	39	10	36	26	71	63
11	66	54	46	39	36	37	39	11	49	26	67	63
12	67	54	46	39	36	37	39	14	47	25	60	64
13	66	54	44	39	37	38	44	12	33	120	58	67
14	67	54	44	38	37	38	50	20	37	109	72	66
15	70	52	44	38	37	37	46	18	38	72	76	66
16	70	52	44	38	36	37	44	18	36	60	99	64
17	69	52	44	38	36	37	41	27	28	63	103	60
18	68	52	45	38	42	37	42	41	36	71	95	56
19	67	52	43	39	52	37	43	40	40	65	85	56
20	67	52	43	39	54	37	43	31	37	56	70	56
21	67	52	43	38	50	38	41	24	28	49	67	56
22	66	52	44	38	44	37	41	24	23	43	68	56
23	65	52	43	38	44	37	41	23	21	42	75	64
24	64	52	43	38	44	37	41	19	19	61	74	73
25	64	51	43	37	45	37	40	18	19	195	70	82
26	63	51	43	37	44	37	40	19	19	171	71	91
27	62	50	42	38	44	36	39	22	25	127	72	91
28	62	49	42	38	44	37	36	21	109	90	71	110
29	62	49	41	38	--	37	22	20	95	76	70	95
30	60	49	41	38	--	37	13	23	50	74	69	74
31	60	--	40	38	--	38	--	26	--	65	69	--
S.F.	2081	1603	1384	1200	1132	1198	1170	592	1117	2053	2046	2118
Mean	67	53	45	39	40	39	39	19	37	66	66	71
Max.	79	60	49	41	54	45	50	41	109	195	103	110
Min.	60	49	40	37	36	36	13	10	18	23	31	56
A.F.	4130	3180	2750	2380	2250	2380	2320	1170	2220	4070	4060	4200
Total acre-feet 35100 A.F.												

DAILY DIVERSIONS OF CANALS--1981
 WINTERS CREEK FACTORY LATERAL from Winters Creek
 Measured through 2-foot Parshall flume--SE¼NW¼ Sec. 19-22-54 W.
 Nr. Scottsbluff. From Junction at Hiway 26 and East
 Overland 1/20 mile east, 6/10 mile north. Gage on left bank

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	26
2	0	0	0	0	30
3	0	0	0	3	30
4	0	0	0	23	34
5	0	0	0	24	32
6	0	0	0	31	36
7	0	0	0	32	37
8	0	0	0	32	24
9	0	0	0	35	18
10	0	0	0	33	17
11	0	0	0	38	25
12	0	0	0	35	32
13	0	0	0	38	39
14	0	0	0	39	39
15	0	0	0	38	38
16	0	0	0	45	34
17	0	0	0	37	30
18	0	0	0	37	28
19	0	0	0	29	26
20	0	0	0	22	28
21	0	0	0	23	27
22	0	0	0	26	24
23	0	0	0	33	30
24	0	0	0	30	34
25	0	0	0	23	35
26	0	0	0	22	38
27	0	0	0	21	34
28	0	0	0	20	25
29	0	0	0	21	24
30	0	0	0	26	20
31	0	--	0	28	--
S.F.	0	0	0	849	894
Mean	0	0	0	27	30
Max.	0	0	0	45	39
Min.	0	0	0	0	17
A.F.	0	0	0	1680	1770
Water diverted 3450 A.F.					

DAILY DIVERSIONS OF CANALS--1981
 WINTERS CREEK CANAL From Winters Creek--Measured
 through 8-foot Parshall flume--SW¼NE¼ Sec. 19-22-54 W.
 Nr. Scottsbluff. From Junction of Hiway 26 and
 East Overland 2/10 mile east, 6/10 mile north,
 walk across diversion dam to gage 400 feet east
 of dam on right bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	15	18	42	34	40
2	0	16	19	42	35	36
3	0	18	19	37	41	35
4	0	20	22	35	48	40
5	0	19	14	38	48	40
6	0	27	20	42	52	37
7	0	25	18	45	53	34
8	0	24	20	51	51	32
9	0	24	23	49	48	36
10	0	24	21	51	39	38
11	0	24	13	51	43	39
12	0	24	10	51	42	40
13	0	25	16	2	41	36
14	0	23	18	2	50	35
15	0	30	16	21	49	34
16	0	30	12	37	48	32
17	0	34	17	40	37	33
18	0	25	25	40	38	32
19	0	22	20	38	28	32
20	0	16	21	41	36	32
21	0	22	22	41	37	32
22	0	23	25	43	38	32
23	0	21	31	45	45	31
24	0	19	38	31	40	33
25	0	19	35	10	38	36
26	0	19	40	9	40	34
27	0	22	47	0	40	32
28	0	23	32	24	40	22
29	6	22	22	36	40	4
30	14	20	37	33	42	0
31	--	16	--	35	44	--
S.F.	20	696	691	1062	1305	969
Mean	1	22	23	34	42	32
Max.	14	34	47	51	53	40
Min.	0	15	10	0	28	0
A.F.	40	1380	1370	2110	2590	1920
Water diverted 9410 A.F.						

DAILY DIVERSIONS OF CANALS--1981
 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.	Apr.	May	June	July	Aug.	Sept.
1	64	0	0	31	71	71	64
2	63	0	0	28	76	73	58
3	57	0	0	26	79	76	46
4	54	0	0	26	79	86	44
5	49	0	0	21	82	87	41
6	46	0	0	21	86	87	42
7	45	0	0	21	87	89	42
8	44	0	0	21	87	90	42
9	34	0	0	21	86	90	42
10	8	0	0	20	100	83	43
11	11	0	0	20	114	80	51
12	19	0	0	25	114	82	53
13	19	0	17	28	76	73	53
14	19	0	32	33	83	72	62
15	21	12	33	35	86	71	64
16	21	27	29	34	90	75	64
17	16	28	31	44	108	74	64
18	16	29	35	47	103	64	64
19	2	32	38	49	101	65	64
20	0	28	29	47	94	68	59
21	0	21	28	40	105	68	57
22	0	29	29	42	103	59	55
23	0	28	28	51	99	50	55
24	0	29	28	51	108	50	54
25	0	28	38	56	90	62	50
26	0	26	39	58	72	70	50
27	0	22	39	70	70	74	50
28	0	20	42	70	66	74	51
29	0	16	40	63	63	70	51
30	0	13	37	69	59	67	49
31	0	--	32	--	63	65	--
S.F.	608	388	624	1168	2700	2265	1584
Mean	20	13	20	39	87	73	53
Max.	64	32	42	70	114	90	64
Min.	0	0	0	20	59	50	41
A.F.	1210	770	1240	2320	5360	4490	3140
Water diverted 18530 A.F.							
Acreage reported D-919-9212							

DAILY DIVERSIONS OF CANALS--1981

WINTERS CREEK DIVERSIONS
 Summary in Acre-feet---1981

	Apr.	May	June	July	Aug.	Sept.	Totals
Diverted from:							
North Platte River.....	0	700	1030	1570	1510	970	5780
Winters Creek.....	40	1380	1370	2110	2590	1920	9410
Totals.....	40	2080	2400	3680	4100	2890	15190

Water diverted 15190 A.F.
 Acreage reported D-952-5745

DAILY DIVERSIONS OF CANALS--1981
 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.	Apr.	May	June	July	Aug.	Sept.
1	56	0	38	57	91	78	82
2	56	0	37	60	85	81	81
3	56	0	38	58	83	84	75
4	56	0	41	31	83	90	73
5	56	0	39	48	82	92	68
6	56	0	37	52	81	90	67
7	57	0	39	58	87	90	64
8	57	0	38	59	89	89	62
9	57	0	36	62	89	89	60
10	56	0	35	58	89	89	60
11	56	0	37	56	89	87	60
12	53	0	52	53	94	89	67
13	47	0	51	56	90	91	69
14	45	0	52	62	82	90	69
15	23	0	50	61	84	90	67
16	23	0	47	61	82	89	64
17	23	0	51	58	82	76	64
18	23	0	56	61	84	79	64
19	23	0	58	63	82	78	64
20	22	0	58	63	81	78	63
21	20	0	60	62	86	78	63
22	20	0	58	70	89	69	63
23	20	0	54	84	87	56	64
24	20	33	47	88	83	70	64
25	20	40	52	87	69	78	52
26	20	39	52	86	60	77	63
27	20	39	58	88	63	78	61
28	10	39	58	91	66	79	61
29	0	38	58	92	66	80	62
30	0	39	58	87	72	81	61
31	0	--	57	--	75	82	--
S.F.	1051	268	1502	1972	2525	2547	1957
Mean	34	9	48	66	81	82	65
Max.	57	40	60	92	94	92	82
Min.	0	0	35	31	60	56	52
A.F.	2080	530	2980	3910	5010	5050	3880
Water diverted 23440 A.F.							
Acreage reported D-921-5987; A-186R-471; A-350R-49;							
Total-6507							

DISCHARGE IN SECOND-FFET 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, 1981

Date	May	June	July	Aug.	Sept.
1	0	0	6	5	17
2	0	0	9	4	16
3	0	0	8	3	17
4	0	1	7	2	25
5	0	0	8	1	32
6	0	0	8	0	32
7	0	0	2	0	32
8	0	0	3	0	32
9	0	6	1	2	23
10	0	6	2	3	14
11	0	6	3	3	17
12	0	1	23	2	24
13	0	8	49	6	22
14	16	10	38	18	20
15	6	11	27	10	28
16	2	8	17	26	18
17	14	8	18	42	19
18	25	10	19	19	13
19	29	6	22	14	19
20	14	1	24	13	17
21	10	2	20	16	15
22	7	3	24	13	8
23	4	2	14	13	13
24	2	6	16	13	21
25	1	1	39	16	22
26	0	0	24	21	18
27	0	0	10	21	20
28	1	2	19	32	22
29	0	4	13	39	12
30	0	4	11	28	48
31	0	--	10	16	--
S.F.	131	106	494	401	622
Mean	4	4	16	13	21
Max.	29	11	49	42	48
Min.	0	0	1	0	8
A.F.	260	210	980	800	1230

DISCHARGE IN SECOND-FEET OF CLEVELAND DRAIN
 NEAR BAYARD--SW&SW¼ Sec. 6-20-52 W.
 3 miles south on Hiway 26 to junction with
 Hiway 92 at South Bayard. 2.5 miles west on
 Hiway 92, turn north, cross railroad tracks.
 staff gage on right downstream railroad bridge piling
 Water Year Ending September 30, 1981

Date	May	June	July	Aug.	Sept.
1	6	10	4	4	5
2	5	9	10	4	5
3	6	9	12	3	8
4	8	10	14	1	13
5	7	12	12	1	18
6	5	12	11	1	18
7	6	13	9	5	18
8	6	13	3	1	18
9	6	17	2	3	19
10	6	19	3	5	12
11	6	21	3	4	10
12	6	21	4	5	12
13	8	17	5	4	13
14	13	20	10	5	14
15	14	23	10	8	14
16	14	19	17	10	18
17	16	36	28	12	18
18	18	36	34	16	16
19	15	36	38	15	16
20	14	33	41	14	16
21	14	24	9	9	16
22	16	16	13	9	11
23	16	9	12	11	12
24	15	7	14	13	12
25	14	8	20	11	19
26	12	8	23	7	19
27	8	13	26	5	19
28	14	11	23	6	19
29	29	9	20	5	18
30	16	10	14	6	16
31	13	--	--	6	--
S.F.	352	501	452	209	442
Mean	11	17	15	7	15
Max.	29	36	41	16	19
Min.	5	7	2	1	5
A.F.	700	990	900	410	880

DAILY DIVERSIONS OF CANALS--1981

CHIMNEY ROCK CANAL
 Summary in Acre-feet--1981

Diverted	Oct.	May	June	July	Aug.	Sept.	Totals
Natural.....	1970	630	3400	3590	3600	2740	15930
Storage.....	0	0	0	850	500	0	1350
Totals.....	1970	630	3400	4440	4100	2740	17280

Storage orders July 1-August 28 for 20 cfs

Water diverted 17280 A.F.
 Natural 15930 A.F.
 Storage 1350 A.F.

DISCHARGE IN SECOND-FEET OF BAYARD SUGAR FACTORY DRAIN NEAR BAYARD
 SE&NE¼ Sec. 5-20-52W.--Water Year Ending September 30, 1981
 0.9 mile south of Burlington-Northern depot on Highway 26, 0.5 mile
 west on canal bank road, on right bank 5 feet above concrete flume.

DAILY DIVERSIONS OF CANALS--1981
 ALLIANCE CANAL from Bayard Sugar Factory Drain
 Measured through Parshall flume--SW&SW¼ 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

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 109 Cubic Feet per Second at 2300 hrs. on
 July 25 at a Gage Height of 2.00 Feet. Minimum Daily Discharge, 0.87 Cubic Feet per
 Second on May 30-June 1.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	29	23	20	18	18	7.9	4.7	0.87	18	66	46
2	45	29	23	20	18	18	2.6	5.0	3.0	40	60	43
3	44	28	23	19	18	18	2.4	11	4.4	20	57	37
4	48	28	24	19	17	18	2.4	18	7.8	23	59	36
5	43	28	23	19	18	18	2.4	11	5.9	22	56	37
6	44	28	22	19	19	18	2.4	8.8	13	15	61	37
7	40	28	22	19	19	19	2.6	17	27	16	61	37
8	41	27	22	19	20	19	5.2	16	24	16	61	38
9	40	26	22	20	20	19	13	14	20	20	68	37
10	42	26	22	19	19	18	13	9.5	20	28	78	37
11	52	27	23	19	18	18	13	8.5	11	28	74	31
12	54	27	23	19	19	18	13	6.2	9.5	27	79	30
13	53	27	23	19	20	18	13	9.9	6.9	43	75	30
14	51	27	22	18	18	19	13	13	8.1	42	79	27
15	53	26	23	18	16	18	12	5.3	8.8	40	78	26
16	54	26	23	18	16	18	13	5.0	11	48	81	25
17	49	26	23	18	15	19	13	13	13	48	84	26
18	43	25	22	18	15	19	6.6	13	12	49	81	26
19	42	25	22	18	15	18	4.7	10	9.2	52	74	24
20	41	25	22	18	16	18	9.9	8.8	8.8	53	67	24
21	41	25	20	18	18	19	8.5	6.2	11	46	66	23
22	39	24	22	18	18	19	7.8	5.3	11	45	68	22
23	30	24	22	18	18	18	8.8	5.3	13	47	71	23
24	30	24	20	18	18	18	6.9	4.7	13	51	68	28
25	29	24	21	18	18	18	6.9	3.0	13	84	64	33
26	30	24	22	18	18	18	7.2	2.4	12	97	50	30
27	30	24	22	18	18	18	6.2	4.6	13	88	37	26
28	29	24	22	18	18	18	6.2	4.1	13	82	39	23
29	29	24	20	19	--	17	5.9	.98	16	78	39	21
30	29	24	20	19	--	16	7.2	.87	22	74	52	34
31	29	--	20	19	--	16	---	.87	--	71	55	--
S.F.	1276	779	683	577	498	561	236.7	246.02	361.27	1411	2008	917
Mean	41.2	26.0	22.0	18.6	17.8	18.1	7.9	7.9	12.0	45.5	64.8	30.6
Max.	54	29	24	20	20	19	13	18	27	97	84	46
Min.	29	24	20	18	15	16	2.4	0.87	0.87	15	37	21
A.F.	2530	1550	1350	1140	990	1110	470	490	720	2800	3980	1820
Total acre-feet	18950 A.F.											

Date	Apr.	May	June	July	Aug.	Sept.
1	10	25	22	35	4	7
2	17	25	25	38	3	9
3	17	32	27	33	2	25
4	17	38	30	37	2	25
5	16	32	28	38	1	28
6	15	30	34	36	3	31
7	16	35	42	36	3	32
8	20	34	40	36	3	34
9	29	31	39	35	4	34
10	29	28	40	28	7	33
11	28	28	33	27	5	32
12	28	23	30	26	7	31
13	28	25	29	33	6	31
14	28	28	29	32	9	30
15	27	22	30	29	7	29
16	27	22	32	23	9	29
17	28	28	34	19	10	30
18	27	28	34	20	8	30
19	24	29	32	23	6	30
20	28	29	31	24	3	30
21	27	29	32	20	3	30
22	27	28	33	20	3	29
23	27	28	34	24	4	29
24	26	28	34	28	3	32
25	26	25	35	23	2	35
26	27	24	34	20	8	34
27	25	26	34	13	26	32
28	24	27	34	11	28	34
29	25	23	35	9	31	37
30	28	22	37	7	22	22
31	--	--	--	6	12	--
S.F.	721	854	983	789	244	874
Mean	24	28	33	25	8	29
Max.	29	38	42	38	31	37
Min.	10	22	22	6	1	7
A.F.	1430	1690	1950	1560	480	1730
Water diverted	3840 A.F.					
Acreage reported	D-874, 1035 (A-1776 O.D.)-2121					

DAILY DIVERSIONS OF CANALS--1981

NORTHPORT DIVERSIONS FOR NORTHPORT IRRIGATION DISTRICT
Summary in Acre-feet--1981

Diverted from:	Section Township Range	Date					Totals
		May	June	July	Aug.	Sept.	
North Platte River.....	10-23-58	30	6050	14060	11910	3620	35670
*Sheep Creek.....	17-23-57	530	3270	4250	5200	4710	17960
*Akers Draw.....	12-23-57	80	510	720	890	660	2860
*Tub Springs.....	27-33-55	60	660	2080	2260	1920	6980
*Dry Spottedtail Creek.....	9-23-56	40	350	1130	1380	870	3770
*Wet Spottedtail Creek.....	10-23-56	50	490	1110	1260	1450	4360
*Moffat Drain.....	25-22-53	0	0	0	0	0	0
*Alliance Drain.....	18-22-53	0	150	690	730	490	2060
Totals		790	11480	24040	23630	13720	73660

Water diverted 73660 A.F.
Acreage reported A-768-16080
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 res-use on Northport Irrigation District's lands. United States v Tilley, State Engineer of Nebraska, et al., No. 11587, United States Circuit Court of Appeals, Eighth Circuit, December 23, 1941.

DAILY DIVERSIONS OF CANALS--1981

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

Date	Oct.	May	June	July	Aug.	Sept.
1	76	0	91	112	112	112
2	72	0	80	111	113	112
3	73	0	80	112	112	106
4	80	0	89	112	117	104
5	74	0	90	111	121	104
6	69	0	88	125	129	104
7	31	0	91	129	131	104
8	0	14	93	129	131	104
9	0	55	93	134	131	105
10	0	51	90	135	131	108
11	0	52	86	138	131	113
12	0	45	112	133	130	112
13	0	43	109	142	130	112
14	0	64	108	145	130	113
15	0	62	112	133	128	113
16	0	56	120	134	114	113
17	0	60	120	133	105	112
18	0	52	120	133	108	111
19	0	46	119	133	112	111
20	0	44	121	133	109	109
21	0	40	120	135	114	108
22	0	38	123	136	117	107
23	0	36	120	135	115	107
24	0	28	108	140	113	107
25	0	38	105	138	112	108
26	0	61	109	130	108	109
27	0	85	111	134	109	112
28	0	80	113	133	112	108
29	0	77	118	125	112	102
30	0	78	114	121	111	100
31	0	80	---	113	111	---
S. F.	475	1285	3153	4007	3659	3250
Mean	15	41	105	129	118	108
Max.	80	85	123	145	131	113
Min.	0	0	80	111	105	100
A. F.	940	2550	6250	7950	7260	6450

Water diverted 31400 A.F.
Acreage reported D-823-8978

DAILY DIVERSIONS OF CANALS--1981

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

Date	Oct.	May	June	July	Aug.	Sept.
1	6	0	25	26	5	4
2	5	0	24	26	5	0
3	4	0	26	26	7	2
4	5	0	26	27	7	4
5	5	0	26	27	8	4
6	0	0	26	28	19	3
7	0	0	27	29	26	3
8	0	0	27	29	26	3
9	0	0	34	30	26	3
10	0	0	32	30	26	4
11	0	0	27	31	27	6
12	0	8	31	30	27	5
13	0	16	30	31	26	5
14	0	21	30	30	26	5
15	0	18	29	28	26	5
16	0	7	31	29	25	4
17	0	0	31	29	21	4
18	0	9	30	29	20	4
19	0	16	30	29	22	4
20	0	16	30	29	21	4
21	0	16	29	32	11	4
22	0	14	26	32	6	4
23	0	14	24	32	5	4
24	0	18	24	32	4	4
25	0	22	20	33	4	4
26	0	25	24	29	4	5
27	0	24	23	22	5	6
28	0	24	25	13	6	4
29	0	25	28	11	6	11
30	0	25	27	9	6	33
31	0	25	--	6	6	--
S. F.	25	343	822	824	459	155
Mean	1	11	27	27	15	5
Max.	6	25	31	33	26	33
Min.	0	0	20	6	4	0
A. F.	50	680	1630	1630	910	310

Water diverted 5210 A.F.
Acreage reported D-858-2116; A-866-75; Total-2191

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, 1981

Date	May	June	July	Aug.	Sept.
1	4	9	46	24	28
2	4	5	44	12	40
3	4	11	42	10	44
4	4	3	41	8	43
5	4	8	30	7	42
6	4	4	18	60	42
7	5	1	4	34	42
8	4	2	4	38	41
9	4	10	4	41	42
10	3	14	25	38	34
11	3	13	20	25	35
12	4	23	15	17	34
13	3	26	17	12	31
14	4	28	18	22	28
15	4	24	10	37	33
16	4	16	12	52	29
17	4	26	6	52	28
18	10	28	24	52	28
19	9	16	41	52	28
20	4	11	53	46	28
21	6	6	41	44	28
22	10	6	38	40	26
23	8	10	42	35	29
24	6	9	12	33	36
25	7	17	24	28	43
26	8	18	36	28	42
27	8	11	30	28	40
28	8	4	28	28	36
29	11	9	32	23	24
30	12	21	47	18	17
31	12	--	36	25	--
S. F.	185	389	840	969	1021
Mean	6	13	27	31	34
Max.	12	28	53	60	44
Min.	3	1	4	7	17
A. F.	370	770	1670	1920	2030

DAILY DIVERSIONS OF CANALS--1981
LAST CHANCE CANAL From Pumpkinseed Creek--Measured
through rating flume--SE1/4NW1/4 Sec. 27-19-50 W.
Nr. Bridgeport. 5.4 miles south on Hiway 88 to
county road junction, 2/10 mile south, 1/8 miles
east, through farmyard, 1/4 mile north, 1/8 mile
west along tree row to creek

Table with 8 columns: Date, Oct., May, June, July, Aug., Sept.
Rows 1-31 showing daily diversion data, followed by summary statistics (S.F., Mean, Max., Min., A.F.) and totals (Water diverted 240 A.F., Acreage reported D-883-404).

DAILY DIVERSIONS OF CANALS--1981
BELMONT SPILL into Pumpkinseed Creek
For D-828 lands via Meredith-Ammer Canal--Measured
through 12-foot weir--SW1/4NE1/4 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

Table with 8 columns: Date, Oct., May, June, July, Aug., Sept.
Rows 1-31 showing daily diversion data, followed by summary statistics (S.F., Mean, Max., Min., A.F.) and totals (Water spilled 2750 A.F.).

DAILY DIVERSIONS OF CANALS--1981
MEREDITH-AMMER CANAL From Pumpkinseed Creek--Measured
through rating flume--NE1/4NE1/4 Sec. 23-19-50 W.
Nr. Bridgeport. 3.9 miles east on Hiway 385,
1 mile south on county road, 1/10 mile west

Table with 7 columns: Date, May, June, July, Aug., Sept.
Rows 1-31 showing daily diversion data, followed by summary statistics (S.F., Mean, Max., Min., A.F.) and totals (Water diverted 490 A.F., Acreage reported D-876-336).

DISCHARGE IN SECOND- FEET OF SILVERNAIL DRAIN NEAR BRIDGEPORT
SE1/4SW1/4 Sec. 6-19-49W.--Water Year Ending September 30, 1981
five miles east on Highway 26, turn south on west bank of drain,
cross railroad tracks, shelter house on right bank.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 34.3 Cubic Feet per Second at 2130 hrs. on
July 24 at a Gate Height of 5.10 Feet. Minimum Daily Discharge, 2.1 Cubic Feet per
Second on March 22.

Table with 13 columns: Date, Oct., Nov., Dec., Jan., Feb., Mar., Apr., May, June, July, Aug., Sept.
Rows 1-31 showing monthly discharge data, followed by summary statistics (S.F., Mean, Max., Min., A.F.) and totals (Total acre-feet 6690 A.F.).

DAILY DIVERSIONS OF CANALS--1981
 BEERLINE CANAL from North Platte River--Measured
 through rating flume--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 24-19-49 W.
 Nr. Broadwater. $\frac{3}{4}$ miles west on Hiway 26, 1/10
 mile south, 4/10 mile east, 1/10 mile south

Date	Oct.	May	June	July	Aug.	Sept.
1	4	0	10	19	8	3
2	3	0	9	7	10	6
3	2	0	9	3	11	7
4	1	0	10	3	14	7
5	1	0	10	7	9	8
6	1	0	10	8	7	8
7	1	0	11	10	6	8
8	0	0	13	11	6	9
9	0	0	15	9	9	9
10	0	0	12	10	10	9
11	0	0	12	12	13	7
12	0	0	10	12	13	6
13	0	0	9	11	12	6
14	0	0	8	21	12	6
15	0	0	8	14	14	7
16	0	0	8	12	9	6
17	0	0	7	12	7	5
18	0	0	5	13	7	3
19	0	0	7	17	6	3
20	0	0	9	18	5	3
21	0	3	7	16	3	3
22	0	6	8	12	3	3
23	0	5	7	12	3	3
24	0	4	5	10	3	3
25	0	4	3	3	3	4
26	0	4	2	3	3	4
27	0	5	10	3	2	4
28	0	4	9	3	2	5
29	0	3	12	3	2	5
30	0	4	22	3	2	5
31	-	11	--	7	2	-
S. F.	13	53	277	304	216	165
Mean	0	2	9	10	7	6
Max.	4	11	22	21	14	9
Min.	0	0	2	3	2	3
A. F.	30	110	550	600	430	330

Water diverted 2050 A.F.
 Acreage reported D-887-2080

DAILY DIVERSIONS OF CANALS--1981

BEERLINE CANAL
 Summary in Acre-feet--1981

	Oct.	May	June	July	Aug.	Sept.	Totals
Diverted from:							
North Platte River.....	30	110	550	400	430	330	1850
Storage.....	0	0	0	200	0	0	200
Totals.....	30	110	550	600	430	330	2050

Storage orders - July 5 - July 8 for 11 cfs
 July 15 - July 22 for 11 cfs

Water diverted 2050 A.F.
 Natural flow 1850 A.F.
 Storage 200 A.F.

DAILY DIVERSIONS OF CANALS--1981
 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	8	9	6
2	0	0	9	10	6
3	0	0	8	10	5
4	0	0	8	9	5
5	0	0	8	10	5
6	0	0	8	10	5
7	0	0	8	10	4
8	0	0	4	10	4
9	0	0	3	10	4
10	0	0	3	9	5
11	0	0	4	9	5
12	0	0	4	9	5
13	0	0	4	9	5
14	0	0	5	9	6
15	0	0	5	9	6
16	0	0	4	8	5
17	0	0	4	7	5
18	0	0	5	7	5
19	0	0	6	8	5
20	0	0	6	8	5
21	0	0	6	8	5
22	0	4	6	8	5
23	0	8	6	8	5
24	0	8	9	8	5
25	0	8	10	8	5
26	0	5	10	8	5
27	0	4	10	8	5
28	0	5	9	8	3
29	0	8	8	8	0
30	0	8	8	6	0
31	0	-	8	6	-
S. F.	0	58	204	264	139
Mean	0	2	7	9	5
Max.	0	8	10	10	6
Min.	0	0	3	6	0
A. F.	0	120	400	520	280

Water diverted 1320 A.F.

DAILY DIVERSIONS OF CANALS--1981

BELMONT CANAL
 Summary in Acre-feet--1981

	Oct.	May	June	July	Aug.	Sept.	Totals
Diverted from:							
North Platte River.....	940	2550	6250	7020	6880	6450	30090
Cedar Creek.....	0	0	120	400	520	280	1320
Total natural.....	940	2550	6370	7420	7400	6730	31410
Total storage.....	0	0	0	930	380	0	1310
Total diverted.....	940	2550	6370	8350	7780	6730	32720

Storage orders - July 6-July 30 for 20 cfs
 August 5-August 15 for 20 cfs

Water diverted 32720 A.F.
 Natural 31410 A.F.
 Storage 1310 A.F.

DISCHARGE IN SECOND-FEET OF CEDAR CREEK NEAR BROADWATER
SE1/4 Sec. 11-18-48W.--Water Year Ending September 30, 1981
1.1 miles south on Highway 92 to county road junction, 0.3 mile
south on county road, 3 miles southeast on county road.
Shelter house on right bank downstream from bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 27 Cubic Feet per Second at 0200 hrs. on
June 16 at a Gage Height of 2.07 Feet. Maximum Gage Height, 2.58 Feet at 2130 hrs. on
February 9 Resulted from Backwater from Ice. Minimum Daily Discharge, 0.06 Cubic Foot
per Second on July 12-14.

Table with columns: Date, Oct., Nov., Dec., Jan., Feb., Mar., Apr., May, June, July, Aug., Sept. and summary statistics (S.F., Mean, Max., Min., A.F.).

DAILY DIVERSIONS OF CANALS--1981
LISCO CANAL from North Platte River--Measured
over weir--NW1/4NW1/4 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

Table with columns: Date, Oct., May, June, July, Aug., Sept. and summary statistics (S.F., Mean, Max., Min., A.F., Water diverted, Acreage reported).

DISCHARGE IN SECOND-FEET OF COLD WATER CREEK
NEAR LISCO--NE1/4NE1/4 Sec. 34-18-46 W.
6/10 mile east on Hiway 26, on downstream end
of bridge
Water Year Ending September 30, 1981

Table with columns: Date, May, June, July, Aug., Sept. and summary statistics (S.F., Mean, Max., Min., A.F.).

DAILY DIVERSIONS OF CANALS--1981
LISCO CANAL from Cold Water Creek--Measured
in open channel--NW1/4SW1/4 Sec. 26-18-46 W.
Nr. Lisco, 1 1/2 miles east on Hiway #26 to
Rush Creek Arabian Horse Ranch road. Follow
road north 1/4 mile to ranch house, proceed
through corrals northwest to creek

Table with columns: Date, May, June, July, Aug., Sept. and summary statistics (S.F., Mean, Max., Min., A.F., Water diverted, Acreage reported).

DAILY DIVERSIONS OF CANALS--1981
 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	0	15	8	6
2	0	0	17	4	6
3	0	0	10	8	7
4	0	0	0	11	6
5	0	0	0	11	6
6	0	0	0	11	3
7	0	0	6	11	1
8	0	0	11	8	1
9	0	0	11	5	1
10	0	0	10	7	0
11	0	0	10	5	0
12	0	2	14	6	0
13	0	13	15	6	0
14	0	13	16	6	0
15	0	12	17	6	0
16	0	11	20	8	0
17	0	10	18	8	0
18	0	9	15	7	0
19	0	8	14	4	0
20	0	8	11	2	0
21	0	8	14	1	0
22	0	11	16	1	0
23	0	17	17	1	0
24	0	17	16	0	0
25	0	16	11	0	0
26	0	16	3	0	0
27	0	15	0	0	1
28	0	14	0	3	4
29	0	14	0	5	4
30	0	14	5	6	4
31	0	--	9	6	--
S.F.	0	228	321	165	50
Mean	0	8	10	5	2
Max.	0	17	20	11	7
Min.	0	0	0	0	0
A.F.	0	450	640	330	100

Water diverted 1520 A.F.
 Acreage reported D-789=1000; D-791-1104;
 D-800(A-1742 O.D.)-102; Total-2206

DAILY DIVERSIONS OF CANALS--1981

LISCO CANAL
 Summary in Acre-feet--1981

Diverted from:	Oct.	May	June	July	Aug.	Sept.	Total
North Platte River.....	190	1180	2440	2210	2730	1850	10600
Cold Water Creek.....	0	0	50	230	190	0	470
Totals.....	190	1180	2490	2440	2920	1850	11070

Water diverted 11070 A.F.

DAILY DIVERSIONS OF CANALS--1981
 PAISLEY CANAL from Blue Creek--Measured through
 4-foot Parshall flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-16-42 W.
 Nr. Lewellen. 1 mile west on Hiway 26, 3.6 miles
 north to left canal bank, 5/10 mile north to shelter

Date	Oct.	May	June	July	Aug.	Sept.
1	21	0	0	0	17	13
2	21	0	0	0	17	14
3	21	0	0	0	16	16
4	19	0	0	0	16	16
5	18	0	0	0	17	16
6	17	0	0	2	17	16
7	16	0	0	5	17	16
8	13	0	0	5	17	16
9	12	0	0	5	16	15
10	12	0	9	5	15	15
11	9	0	18	5	15	15
12	5	0	18	4	14	15
13	5	0	18	0	16	16
14	6	0	19	0	16	16
15	8	0	16	0	16	17
16	6	0	16	0	17	17
17	0	0	16	0	16	17
18	0	0	16	0	12	17
19	0	0	16	0	11	17
20	0	0	16	0	11	17
21	0	0	17	0	11	17
22	0	0	16	0	12	17
23	0	0	16	0	13	18
24	0	0	16	0	14	18
25	0	0	15	0	14	21
26	0	0	14	0	13	22
27	0	0	15	8	12	20
28	0	0	15	15	12	21
29	0	0	7	15	13	24
30	0	0	0	16	14	24
31	0	0	--	16	13	--
S.F.	209	0	309	101	450	519
Mean	7	0	10	3	15	17
Max.	21	0	19	16	17	24
Min.	0	0	0	0	11	13
A.F.	410	0	610	200	890	1030

Water diverted 3140 F.F.
 Acreage reported D-800-815; A-515-95; A-1738-176;
 Total-1086

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 0.8 mile then
 head 9 miles northwest to old structure. The measurement staff
 is located 0.2 mile west on structure.

Water Year Ending September 30, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 18, 1980	1,780	-570
Nov. 4, 1980	1,465	-315
Dec. 10, 1980	1,402	-63
Jan. 6, 1981	1,465	+235
Mar. 6, 1981	1,700	+235
Apr. 20, 1981	1,700	0
May 11, 1981	1,650	-50
June 22, 1981	1,670	+20
July 20, 1981	1,438	-232
Aug. 28, 1981	1,222	-216
Sept. 28, 1981	952	-270
Change in Storage September 18, 1980 through September 28, 1981		-828

DAILY DIVERSIONS OF CANALS--1981
 BLUE CREEK CANAL from Blue Creek and Crescent Lake--Measured through 8-foot Parshall flume--NE $\frac{1}{2}$ 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	17	0	0	36	22	21
2	13	0	0	38	23	25
3	13	0	0	33	25	29
4	13	0	0	32	32	29
5	13	0	0	31	25	20
6	9	0	0	31	18	16
7	0	0	0	33	17	16
8	0	0	0	31	17	15
9	0	0	0	31	18	13
10	0	0	0	32	26	13
11	0	0	0	35	23	11
12	0	0	0	35	22	5
13	0	0	0	38	24	3
14	0	0	0	41	22	0
15	0	0	5	36	24	1
16	0	0	1	33	26	6
17	0	0	2	36	12	18
18	0	0	6	36	5	18
19	0	0	16	33	4	18
20	0	0	20	32	4	18
21	0	0	21	31	3	18
22	0	0	20	32	4	18
23	0	0	19	32	6	20
24	0	0	24	40	4	29
25	0	0	30	37	3	38
26	0	0	33	1	8	35
27	0	0	35	4	14	24
28	0	0	31	4	14	24
29	0	0	36	13	13	22
30	0	0	36	19	14	20
31	0	0	--	21	21	--
S.F.	78	0	335	917	503	543
Mean	3	0	11	30	16	18
Max.	17	0	36	41	32	38
Min.	0	0	0	1	3	0
A.F.	150	0	660	1820	1000	1080

Water diverted 4710 A.F.
 Acreage reported D-785-2449; D-795-355, A-1154-30; Total--2834

DAILY DIVERSIONS OF CANALS--1981
 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	16	0	0	11	1	12
2	17	0	0	12	0	10
3	17	0	0	12	4	10
4	18	0	0	11	8	10
5	17	0	0	11	1	14
6	16	0	0	11	6	18
7	12	0	0	12	7	17
8	13	0	0	13	7	4
9	14	0	0	12	8	0
10	14	0	0	13	0	0
11	6	0	0	12	0	0
12	0	0	0	12	5	0
13	0	0	0	12	13	0
14	0	0	0	14	16	0
15	0	0	0	12	15	0
16	0	0	0	12	15	0
17	0	0	0	16	16	1
18	0	0	0	15	14	2
19	0	0	0	12	15	2
20	0	0	0	15	15	2
21	0	0	0	16	15	2
22	0	0	0	16	15	5
23	0	0	0	16	17	10
24	0	0	0	17	16	9
25	0	0	8	17	9	9
26	0	0	12	3	0	9
27	0	0	12	1	0	17
28	0	0	12	0	0	17
29	0	0	12	0	9	18
30	0	0	12	0	14	18
31	0	0	--	1	12	--
S.F.	160	0	68	337	273	216
Mean	5	0	2	11	9	7
Max.	18	0	12	17	17	18
Min.	0	0	0	0	0	0
A.F.	320	0	130	670	540	430

Water diverted 2090 A.F.
 Acreage reported D-781R (P-410)-872

DAILY DIVERSIONS OF CANALS--1981
 UNION CANAL from Blue Creek--Measured through Parshall flume--NE $\frac{1}{2}$ 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	3	0	0	17	1	10
2	3	0	0	18	2	10
3	3	0	0	18	4	11
4	3	0	2	17	10	11
5	3	0	1	16	16	11
6	2	0	4	16	16	9
7	2	0	4	14	16	8
8	2	0	7	11	15	14
9	1	0	4	11	16	13
10	1	0	4	14	18	13
11	2	0	4	14	18	10
12	1	0	4	13	17	6
13	0	0	4	16	14	5
14	0	0	5	18	14	6
15	0	0	4	19	15	5
16	0	0	4	19	15	3
17	0	0	4	20	14	0
18	0	0	4	19	11	0
19	0	0	3	17	8	0
20	0	0	5	17	10	0
21	0	0	13	18	12	0
22	0	0	17	17	12	0
23	0	0	17	16	12	0
24	0	0	17	13	12	0
25	0	0	14	18	13	0
26	0	0	14	13	12	0
27	0	0	16	5	11	0
28	0	0	16	3	11	0
29	0	0	17	2	9	0
30	0	0	17	0	12	0
31	0	0	--	0	10	--
S.F.	26	0	225	429	376	145
Mean	1	0	8	14	12	5
Max.	3	0	17	20	18	14
Min.	0	0	0	0	1	0
A.F.	50	0	450	850	750	290

Water diverted 2390 A.F.
 Acreage reported D-763-1257

DAILY DIVERSIONS OF CANALS--1981
 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	10	0	0	11	10	9
2	10	0	0	8	10	9
3	10	0	0	0	10	7
4	10	0	0	0	7	7
5	10	0	0	0	11	7
6	10	0	0	4	12	7
7	12	0	0	7	12	8
8	12	0	0	11	12	8
9	12	0	0	11	12	8
10	10	0	0	8	13	8
11	10	0	0	6	12	10
12	10	0	0	7	7	11
13	10	0	0	6	11	11
14	10	0	0	5	11	12
15	9	0	0	7	10	8
16	5	0	0	9	8	6
17	5	0	0	10	0	5
18	7	0	0	11	0	4
19	7	0	0	11	0	4
20	6	0	0	9	0	4
21	3	0	0	8	0	4
22	3	0	0	8	9	4
23	1	0	13	10	0	6
24	1	0	13	9	0	8
25	1	0	5	12	0	8
26	1	0	2	1	0	9
27	1	0	2	1	0	9
28	0	0	2	1	0	7
29	0	0	3	2	0	7
30	0	0	9	11	4	7
31	0	0	--	10	9	--
S.F.	196	0	57	215	181	222
Mean	6	0	2	7	6	7
Max.	12	0	13	12	13	12
Min.	0	0	0	0	0	4
A.F.	390	0	110	430	360	440

Water diverted 1730 A.F.
 Acreage reported D-763R-85; D-788-689; Total-774

DAILY DIVERSIONS OF CANALS--1981
SUTHERLAND CANAL from North Platte River for Storage and Power
Measured through concrete lined section of canal--NW 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

Table with columns: Date, Oct., Nov., Dec., Jan., Feb., Mar., Apr., May, June, July, Aug., Sept. and rows of numerical data for Sutherland Canal.

DAILY DIVERSIONS OF CANALS--1981
KEITH-LINCOLN COUNTY CANAL from North Platte River
Measured through Parshall flume--NE 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

Table with columns: Date, Oct., Apr., May, June, July, Aug., Sept. and rows of numerical data for Keith-Lincoln County Canal.

DAILY DIVERSIONS OF CANALS--1981
SHERIDAN-WILSON CANAL from Sarben Slough--Measured
in section of slough--SW 1/4 NE 1/4 Sec. 20-14-35 W.
Nr. Paxton. 3 miles north of Hiway 30

Table with columns: Date, May, June, July, Aug., Sept. and rows of numerical data for Sheridan-Wilson Canal.

DAILY DIVERSIONS OF CANALS--1981
NORTH PLATTE CANAL from North Platte River--Measured
through 15-foot Parshall flume--NE 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

Table with columns: Date, Apr., May, June, July, Aug., Sept. and rows of numerical data for North Platte Canal.

DAILY DIVERSIONS OF CANALS--1981
 PAXTON-HERSHEY CANAL from North Platte River--Measured
 through Parshall flume--SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-14-33 W.
 Nr. Sutherland. 1.7 miles north of Hiway 30, 3/4
 north of field access road, left bank of canal

Date	May	June	July	Aug.	Sept.
1	11	24	79	58	74
2	22	25	89	37	83
3	39	47	88	37	78
4	48	46	83	56	73
5	34	44	82	56	71
6	34	44	78	33	71
7	46	38	75	39	69
8	43	25	88	28	64
9	43	12	93	21	63
10	41	30	96	16	62
11	39	38	97	29	61
12	39	33	96	54	62
13	38	26	99	58	62
14	37	12	97	63	63
15	36	2	100	67	64
16	36	2	93	69	61
17	39	2	64	68	58
18	44	2	56	55	63
19	39	2	45	30	56
20	33	8	53	44	51
21	35	51	71	53	43
22	41	47	74	64	27
23	34	45	70	64	27
24	25	48	74	67	32
25	23	51	74	77	36
26	28	42	54	79	48
27	47	41	20	72	43
28	48	41	0	74	36
29	44	56	5	75	37
30	38	71	1	74	38
31	27	--	24	73	--
S. F.	1131	955	2113	1690	1681
Mean	36	32	68	55	56
Max.	48	71	100	79	83
Min.	11	2	0	16	27
A. F.	2240	1890	4200	3350	3330

Water diverted 15010 A.F.
 Acreage reported D-653-7323

DAILY DIVERSIONS OF CANALS--1981
 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, 3/4 miles west,
 100 ft north on right canal bank

Date	Oct.	May	June	July	Aug.	Sept.
1	12	0	0	10	10	13
2	12	0	0	13	14	10
3	12	0	0	13	10	12
4	13	0	0	11	10	13
5	13	0	10	11	12	7
6	12	0	22	10	6	8
7	13	0	21	12	6	8
8	6	0	17	14	7	7
9	0	0	16	13	8	10
10	0	0	20	16	13	17
11	0	0	29	20	14	25
12	0	0	30	22	15	14
13	0	0	32	26	15	10
14	0	0	0	31	12	12
15	0	0	0	22	15	12
16	0	0	0	24	14	12
17	0	0	0	23	6	12
18	0	0	0	10	9	19
19	0	0	0	10	11	19
20	0	0	0	13	10	19
21	0	0	0	6	6	19
22	0	0	0	5	8	19
23	0	0	1	9	8	19
24	0	0	6	13	7	19
25	0	0	11	8	12	14
26	0	0	10	9	16	22
27	0	0	9	5	16	6
28	0	0	11	5	16	7
29	0	0	10	5	13	8
30	0	0	10	8	12	8
31	0	0	--	7	14	--
S. F.	93	0	265	404	345	400
Mean	3	0	9	13	11	13
Max.	13	0	32	31	16	25
Min.	0	0	0	5	6	6
A. F.	180	0	530	800	680	790

Water diverted 2980 A.F.
 Acreage reported D-646-5287

DAILY DIVERSIONS OF CANALS--1981
 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	Apr.	May	June	July	Aug.	Sept.
1	0	48	0	80	4	69
2	0	47	34	80	7	69
3	0	48	48	80	7	69
4	0	48	48	81	7	69
5	0	48	40	94	7	68
6	0	47	6	104	7	63
7	1	47	3	120	6	59
8	1	47	3	123	6	58
9	3	46	3	124	33	56
10	4	46	23	125	43	40
11	8	46	51	123	21	17
12	14	46	54	113	57	59
13	20	47	58	108	57	59
14	26	46	13	95	59	58
15	35	46	4	101	61	58
16	35	47	13	99	62	58
17	35	48	68	81	62	58
18	15	50	70	61	60	58
19	1	26	72	88	57	57
20	9	7	72	78	57	57
21	16	8	78	78	52	57
22	15	9	79	77	54	55
23	15	10	81	88	54	54
24	16	8	80	100	68	52
25	16	9	75	88	79	52
26	16	4	75	42	32	51
27	23	0	74	8	34	50
28	40	0	73	6	78	48
29	44	0	74	4	69	56
30	48	0	75	4	66	65
31	--	0	--	3	66	--
S. F.	456	928	1447	2456	1432	1699
Mean	15	30	48	79	46	57
Max.	48	50	81	125	84	69
Min.	0	0	0	3	4	17
A. F.	900	1840	2870	4870	2840	3370

Water diverted 16690 A.F.
 Acreage reported D-662-5472

DAILY DIVERSIONS OF CANALS--1981
 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. 3/4 miles west on Hiway 30,
 2 miles north on county road, 1 mile northwest
 on hay meadow road, on right bank

Date	May	June	July	Aug.	Sept.
1	0	0	29	6	15
2	0	0	19	0	12
3	0	0	14	0	12
4	0	0	18	0	12
5	0	0	25	7	15
6	0	0	25	12	14
7	0	0	34	0	14
8	0	0	37	0	13
9	0	0	37	0	11
10	0	0	37	0	10
11	0	0	41	4	11
12	0	1	45	3	12
13	0	3	45	6	12
14	0	11	40	6	11
15	0	18	45	0	11
16	0	25	45	0	12
17	0	19	47	2	12
18	0	14	29	0	13
19	0	11	23	1	14
20	0	4	14	5	13
21	0	12	19	5	12
22	0	28	24	7	11
23	0	35	21	3	9
24	0	35	14	3	1
25	0	36	12	1	1
26	0	34	12	2	3
27	0	35	3	4	5
28	0	35	0	3	3
29	0	36	7	10	2
30	0	34	6	13	2
31	0	--	0	15	--
S. F.	0	431	767	118	298
Mean	0	14	25	4	10
Max.	0	36	47	15	15
Min.	0	0	0	0	1
A. F.	0	850	1520	230	590

Water diverted 3190 A.F.
 Acreage reported D-649-4782

NORTH PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET OF LINCOLN COUNTY DRAIN NO. 1 NEAR NORTH PLATTE
 NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-14-30W.--Water Year Ending September 30, 1981
 0.8 mile north of Highway 30 on Buffalo Bill Avenue,
 on left bank 10 feet upstream from bridge.

EXTREMES FOR CURRENT YEAR--Maximum Discharge, 279 Cubic Feet per Second at 0800 hrs. on
 July 26 at a Gage Height of 2.76 Feet. Minimum Daily Discharge, 17 Cubic Feet per
 Second on March 30.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	57	39	30	29	22	23	18	47	46	66	98	119
2	55	39	29	29	28	23	25	43	46	69	97	123
3	55	39	30	29	27	23	56	46	48	77	93	126
4	55	40	30	29	27	23	58	50	50	62	129	136
5	54	40	30	29	27	23	53	57	50	55	131	152
6	55	40	30	29	26	23	40	47	43	54	123	144
7	52	40	30	29	26	22	37	59	48	58	118	137
8	51	39	30	29	26	23	45	62	46	68	109	126
9	53	39	29	28	25	23	48	41	44	72	95	109
10	52	38	29	28	22	21	38	37	50	65	86	109
11	52	37	29	28	23	21	41	34	51	72	101	105
12	52	37	29	28	24	21	41	41	64	68	113	107
13	52	37	29	28	24	21	39	37	75	65	127	123
14	52	37	29	28	24	21	47	38	73	69	120	123
15	52	36	29	27	24	21	43	38	51	73	122	119
16	54	36	29	27	23	21	40	40	48	96	130	116
17	52	36	29	27	23	20	33	45	51	174	145	116
18	50	35	29	27	23	20	31	51	47	141	126	113
19	49	35	29	27	23	20	35	81	47	134	127	101
20	47	35	29	26	22	20	41	64	47	138	114	98
21	46	35	29	27	22	20	47	59	58	127	105	93
22	45	35	30	26	22	20	47	53	77	134	106	93
23	45	35	30	26	23	20	41	47	63	109	114	89
24	44	34	29	26	23	20	37	47	73	129	116	95
25	43	34	30	26	23	20	34	45	68	126	91	92
26	42	34	31	26	23	20	31	45	86	241	84	95
27	41	34	31	27	23	19	29	48	95	168	91	95
28	41	32	30	26	23	20	29	53	80	126	85	96
29	41	31	30	26	--	20	32	48	81	111	79	91
30	40	31	29	26	--	17	41	49	68	105	93	92
31	40	--	29	26	--	18	--	47	--	98	110	--
S. F.	1519	1089	915	849	671	647	1177	1499	1774	3150	3378	3333
Mean	49	36	30	27	24	21	39	48	59	102	109	111
Max.	57	40	31	29	28	23	58	81	95	241	145	152
Min.	40	31	29	26	22	17	18	34	43	54	79	39
A. F.	3010	2160	1810	1680	1330	1280	2330	2970	3520	6250	6700	6610
Total acre-feet	39650 A. F.											

SOUTH PLATTE RIVER BASIN
(LODGEPOLE CREEK)

OLIVER RESERVOIR STORAGE IN ACRE-FEET

From Lodgepole Creek--SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 36-15-57W. To reach the gage, proceed 7.8 miles west of Kimball on Highway 30 and then head south 0.6 mile on the pasture road to the dam.

Water Year Ending September 30, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Mar. 13, 1981	826	---
Mar. 24, 1981	891	+65
Apr. 6, 1981	956	+65
Apr. 16, 1981	998	+42
Apr. 28, 1981	1,016	+18
May 8, 1981	1,041	+25
May 19, 1981	1,097	+56
June 2, 1981	1,134	+37
June 11, 1981	1,134	0
June 18, 1981	1,083	-51
June 24, 1981	1,006	-77
July 2, 1981	4,331	+3,325
July 23, 1981	2,492	-1,839
Change in Storage March 13 through July 23, 1981		+1,666

LODGEPOLE CREEK BELOW OLIVER RESERVOIR
NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36-15-57 W.

Nr. Kimball. 7 miles west on Hiway 30, 1/4 mile south to creek bank, 1000 ft downstream of reservoir outlet works, on left bank

Date	May	June	July	Aug.	Sept.
1	0.31	0.32	1.5	2.3	2.2
2	.31	.32	230	2.2	2.2
3	.31	.32	260	2.6	2.2
4	.31	.32	210	2.9	1.4
5	.31	.32	150	2.7	.52
6	.31	.32	90	2.8	.41
7	.31	.32	23	2.9	.41
8	.31	.32	23	2.3	.41
9	.31	.32	20	3.2	.41
10	.31	.32	10	3.2	.36
11	.31	2.7	5.0	3.1	.36
12	.31	5.1	3.0	3.1	.36
13	.31	5.0	2.5	3.1	.36
14	.31	4.0	1.8	3.3	.36
15	.32	3.0	1.3	3.3	.41
16	.32	2.0	1.2	3.6	.41
17	.32	1.0	1.2	3.0	.41
18	.32	.22	1.2	3.0	.41
19	.32	3.9	1.5	2.9	.41
20	.32	3.9	2.1	2.9	.41
21	.32	3.8	2.1	2.8	.41
22	.32	3.8	2.1	3.0	.41
23	.32	3.8	2.1	3.0	.41
24	.32	3.0	2.1	3.0	.41
25	.32	1.4	2.4	2.8	.41
26	.32	1.4	2.4	2.3	.41
27	.32	1.2	2.4	2.8	.41
28	.32	1.0	2.4	3.0	.41
29	.32	1.0	2.5	3.0	.41
30	.32	.88	2.3	2.8	.41
31	.32	---	2.5	2.5	---
S.F.	9.76	53.30	1063.6	90.4	18.52
Mean	.32	1.8	34.3	2.9	.62
Max.	.32	5.0	260	3.6	2.2
Min.	.31	.22	1.2	2.2	.36
A.F.	20	110	2110	180	40
Total acre-feet (5 month)			2460	A.F.	

DISCHARGE IN SECOND- FEET OF LODGEPOLE 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, 1981

Date	May	June	July	Aug.	Sept.
1	1.6	0.3	1.4	2.1	2.2
2	1.4	.3	220	2.1	2.2
3	1.2	.8	252	2.4	2.2
4	1.0	1.4	221	2.8	1.4
5	.8	1.9	164	2.8	.5
6	.7	2.4	80	2.8	.4
7	.5	3.0	25	2.9	.4
8	.3	3.5	23	2.8	.4
9	.3	4.0	12.5	3.2	.4
10	.3	4.6	9.6	3.2	.4
11	.3	5.1	7.3	3.1	.4
12	.3	4.4	5.0	3.1	.4
13	.3	3.7	3.6	3.1	.4
14	.3	3.0	2.4	3.3	.4
15	.3	2.4	1.6	3.3	.4
16	.3	1.7	1.5	2.8	.4
17	.3	1.0	1.4	3.0	.4
18	.3	.3	1.5	3.0	.4
19	.3	3.9	1.6	2.9	.4
20	.3	3.9	1.9	2.9	.4
21	.3	3.8	1.9	2.8	.4
22	.3	3.8	1.9	3.0	.4
23	.3	3.8	1.9	3.0	.4
24	.3	2.7	1.9	3.0	.4
25	.3	1.4	2.1	2.7	.4
26	.3	1.4	1.9	2.7	.4
27	.3	1.2	1.9	2.7	.4
28	.3	1.0	1.9	3.1	.4
29	.3	1.0	2.1	3.1	.4
30	.3	.9	2.0	3.1	.4
31	.3	---	2.2	2.6	---
S.F.	16.4	72.6	1058.0	89.4	18.5
Mean	.5	2.4	34.1	2.9	.6
Max.	1.6	5.1	252	3.3	2.2
Min.	.3	.3	1.4	2.1	.4
A.F.	30	140	2100	180	40

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 0.9 mile to the pasture road. Proceed 0.9 mile west along curving road. The measurements are taken 250 feet north from the west wingwall along the creek.

Water Year Ending September 30, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 1, 1980	212	-2
Jan. 9, 1981	0	-212
July 6, 1981	812	+812
July 23, 1981	336	-476
Sept. 22, 1981	188	-148
Sept. 30, 1981	196	+8
Change in Storage during Water Year 1981		-16

SOUTH PLATTE RIVER BASIN

(SOUTH PLATTE RIVER)

DAILY DIVERSIONS OF CANALS--1981

WESTERN CANAL from South Platte River

Measured in section of canal--NE 1/4 Sec. 14-12-43 W. N. 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

Table with columns: Date, Oct., Nov., Apr., May, June, July, Aug., Sept. Data rows for days 1 through 31, and summary statistics: S.F., Mean, Max., Min., A.F., Water diverted, and Acreage reported.

DAILY DIVERSIONS OF CANALS--1981

SUTHERLAND CANAL for power from South Platte River

Measured through 25-foot Parshall flume--SE 1/4 Sec. 8-13-36 W. Nr. Paxton. 5.9 miles west on I-80 access road, left side of canal

Table with columns: Date, Oct., Nov., Dec., Jan., Feb., Mar., Apr., May, June, July, Aug., Sept. Data rows for days 1 through 31, and summary statistics: S.F., Mean, Max., Min., A.F., Water diverted.

DAILY DIVERSIONS OF CANALS--1981

SUTHERLAND POWER RETURN to the South Platte River at North Platte

Measured through power wheels--NE 1/4 Sec. 21-13-30 W. Nr. North Platte. 1/4 mile downstream of power house, cable suspension bridge, upstream side of concrete bridge over county road

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

Combined storage in Sutherland and regulator reservoirs. Conservation storage in acre-feet--NE 1/4, Township 13 North, Ranges 30 and 33 West near Sutherland. To reach the gage, proceed south from the Highway 30 interchange on State Highway 25 for 1.5 miles, then turn east on the county road. Proceed for 0.5 mile then head south for one mile. Head southeast along the lake to the canal and follow the canal road 0.5 mile west. The gage is located on the left bank of the canal.

Water Year Ending September 30, 1981

Table with columns: Date, Contents (acre-feet), Change in Contents (acre-feet). Rows for monthly data from Sept. 30, 1980 to Sept. 30, 1981, and a total change in storage for the water year 1981.

Table with columns: Date, Oct., Nov., Dec., Jan., Feb., Mar., Apr., May, June, July, Aug., Sept. Data rows for days 1 through 31, and summary statistics: S.F., Mean, Max., Min., A.F., Water returned.

SOUTH PLATTE RIVER BASIN
(SOUTH PLATTE RIVER)

DISCHARGE IN SECOND-FEET OF FREMONT SLOUGH
AT NORTH PLATTE--NW¼ Sec. 16-13-30 W.
1/2 mile north of State Farm gage on Hiway
83, on right bank
Water Year Ending September 30, 1981

Date	May	June	July	Aug.	Sept.
1	25	21	18	23	21
2	24	20	15	52	21
3	24	20	18	33	21
4	25	20	17	28	22
5	25	20	16	30	22
6	24	20	16	29	21
7	26	23	15	26	21
8	25	21	13	26	21
9	26	17	12	25	21
10	25	19	13	26	20
11	24	19	12	25	20
12	36	19	13	25	19
13	33	18	12	25	20
14	30	23	12	24	20
15	27	22	13	24	20
16	26	20	13	23	20
17	35	19	36	23	20
18	99	18	19	32	20
19	74	19	16	27	20
20	50	21	16	25	20
21	37	23	14	24	20
22	38	22	14	23	20
23	33	20	14	24	20
24	28	20	27	23	20
25	26	19	17	22	20
26	24	18	180	22	20
27	27	18	174	21	20
28	29	18	93	22	20
29	27	19	39	21	20
30	26	19	30	20	20
31	23	--	27	20	--
S.F.	1001	595	944	793	610
Mean	32	20	30	26	20
Max.	99	23	180	52	22
Min.	23	17	12	20	19
A.F.	1990	1180	1870	1570	1210

PLATTE RIVER BASIN

DISCHARGE IN SECOND-FEET AT THE CONFLUENCE OF NORTH AND SOUTH PLATTE RIVERS NEAR NORTH PLATTE Water Year Ending September 30, 1981

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

Table with 13 columns (Date, Oct., Nov., Dec., Jan., Feb., Mar., Apr., May, June, July, Aug., Sept.) and 31 rows of discharge data, including summary statistics like S.F., Mean, Max., Min., and A.F.

DISCHARGE IN SECOND-FEET OF WHITE HORSE CREEK NEAR NORTH PLATTE--SW 1/4 Sec. 5-13-29 W. 3.4 miles east on Hiway 30, on upstream side of bridge Water Year Ending September 30, 1981

Table with 6 columns (Date, May, June, July, Aug., Sept.) and 31 rows of discharge data for White Horse Creek, including summary statistics like S.F., Mean, Max., Min., and A.F.

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, 1981

Table with 6 columns (Date, May, June, July, Aug., Sept.) and 31 rows of discharge data for Platte River, including summary statistics like S.F., Mean, Max., Min., and A.F.

PLATTE RIVER BASIN

ELWOOD RESERVOIR STORAGE IN ACRE-FEET

From Kingsley Reservoir Storage--NW¼NW¼, 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 0.4 mile west to pump station.

Water Year Ending September 30, 1981		
Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	4,430	+4,430
Oct. 31, 1980	16,900	+12,470
Nov. 30, 1980	16,870	-30
Dec. 31, 1980	14,670	-2,200
Jan. 31, 1981	12,650	-2,020
Feb. 28, 1981	11,170	-1,480
Mar. 31, 1981	10,570	-600
Apr. 30, 1981	18,980	+8,410
May 31, 1981	24,950	+5,970
June 30, 1981	20,760	-4,190
July 31, 1981	5,590	-15,170
Aug. 31, 1981	0	-5,590
Sept. 30, 1981	7,950	+7,950
Change in Storage during Water Year 1981		+3,520

JOHNSON RESERVOIR AND FOREBAY STORAGE IN ACRE-FEET

From Platte River--SW¼NE¼, Sec. 4-8-22W. Head 10.3 miles southwest of Lexington on Highway 283 and 0.9 mile north on paved Johnson Lake road. The measurement site is located 0.5 mile east on gravel supply canal road in forebay of power plant.

Water Year Ending September 30, 1981		
Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	40,830	-3,870
Oct. 31, 1980	37,740	-3,090
Nov. 30, 1980	41,490	+3,750
Dec. 31, 1980	42,520	+1,030
Jan. 31, 1981	42,740	+220
Feb. 28, 1981	53,460	+10,720
Mar. 31, 1981	44,360	-9,100
Apr. 30, 1981	42,700	-1,660
May 31, 1981	45,300	+2,600
June 30, 1981	47,370	+2,070
July 31, 1981	47,700	+330
Aug. 31, 1981	42,120	-5,580
Sept. 30, 1981	38,350	-3,770
Change in Storage during Water Year 1981		-2,480

DAILY DIVERSIONS OF CANALS--1981
 PHELPS COUNTY CANAL from Platte River via
 Tri-County Canal--Measured through Parshall
 flume--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	Apr.	May	June	July	Aug.	Sept.
1	0	118	360	1214	551	235
2	0	132	360	1178	548	282
3	0	132	360	918	487	263
4	0	121	360	649	516	172
5	0	194	363	554	487	125
6	0	245	363	646	332	125
7	0	250	360	878	248	42
8	0	288	354	1116	265	0
9	0	293	354	1234	270	0
10	0	293	343	1182	303	0
11	0	293	327	1150	360	0
12	0	338	321	1150	447	0
13	0	363	324	1125	474	0
14	0	383	324	1104	490	0
15	0	414	327	1135	516	0
16	0	426	330	1170	519	0
17	0	417	357	1186	602	0
18	0	374	406	642	809	0
19	0	360	441	403	958	0
20	0	383	468	538	970	0
21	5	357	481	674	898	0
22	67	343	487	798	898	0
23	82	338	544	926	642	0
24	82	340	670	986	321	0
25	81	340	858	954	216	0
26	81	354	918	839	196	0
27	81	363	894	554	196	0
28	84	360	922	435	196	0
29	89	354	1023	435	196	0
30	106	346	1135	435	196	0
31	---	354	---	459	196	--
S. F.	758	9666	15134	26667	14303	1249
Mean	25	312	504	860	461	42
Max.	106	426	1135	1234	970	282
Min.	0	118	321	403	196	0
A. F.	1500	19170	30020	52890	28370	2480
Water diverted	134430 A. F.					

DAILY DIVERSIONS OF CANALS--1981
 THIRTY MILE CANAL from Platte River--Measured
 through Parshall flume--NW¼NW¼ Sec. 30-12-26 W.
 Nr. Brady. 3½ miles south of Hwy 30, 2 miles
 east, 4/5 mile north, east through yard, south
 to end of road

Date	Apr.	May	June	July	Aug.	Sept.
1	0	90	76	237	89	197
2	0	89	86	209	95	192
3	0	93	98	155	108	187
4	0	100	103	152	103	187
5	0	99	103	20	100	155
6	0	91	102	14	98	138
7	0	91	102	12	99	140
8	0	93	100	67	131	140
9	0	93	99	168	157	122
10	0	90	99	213	152	102
11	0	95	100	248	143	91
12	0	93	99	275	143	71
13	0	89	98	301	141	67
14	0	89	95	307	165	71
15	0	85	95	305	195	71
16	0	85	98	315	195	30
17	0	87	99	322	209	0
18	0	91	102	322	199	0
19	0	98	103	313	202	0
20	29	93	103	307	204	0
21	42	85	98	299	202	0
22	43	80	98	299	201	0
23	44	71	143	299	199	0
24	43	74	162	297	195	0
25	41	75	163	297	201	0
26	42	74	143	93	202	0
27	80	80	159	44	202	0
28	93	82	167	41	199	0
29	90	81	170	38	201	0
30	93	75	192	35	202	0
31	--	76	---	34	195	--
S. F.	640	2687	3455	6038	5127	1961
Mean	21	87	115	195	165	65
Max.	93	100	192	322	204	197
Min.	0	71	76	12	89	0
A. F.	1270	5330	6850	11980	10170	3890
Water diverted	39490 A. F.					
Acreage reported A-1853-19172; A-1976-3392; A-2077-320; Total-22884						

PLATTE RIVER BASIN

DAILY DIVERSIONS OF CANALS--1981
 DAWSON COUNTY CANAL from Platte River--Measured
 through Parshall Flume--NW 1/4 Sec. 18-10-23 W.
 Nr. Cozad. Left bank 500 feet east of Hiway 21,
 1/10 mile north of I-30 exchange, east on ditch bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	98	132	344	232	65
2	0	86	127	376	254	1
3	0	84	122	400	236	0
4	0	80	134	397	234	0
5	0	88	149	402	242	0
6	0	94	153	415	218	0
7	0	106	151	445	207	0
8	0	115	134	453	193	0
9	0	118	155	384	195	0
10	0	125	170	429	209	0
11	0	139	179	486	218	0
12	0	142	177	478	240	0
13	0	139	183	461	258	0
14	0	139	177	509	256	0
15	0	144	173	517	247	0
16	0	142	172	514	238	0
17	0	149	155	512	234	0
18	0	144	149	495	234	0
19	0	155	151	483	240	0
20	0	158	157	480	265	0
21	0	142	173	480	301	0
22	16	130	162	478	344	0
23	44	134	166	464	362	0
24	84	144	201	459	312	0
25	90	141	214	440	292	0
26	92	144	224	397	285	0
27	89	148	224	320	292	0
28	83	146	209	278	295	0
29	79	144	285	240	280	0
30	89	141	294	222	242	0
31	--	141	--	228	207	--
S.F.	666	4000	5252	12986	7963	66
Mean	22	129	175	419	254	2
Max.	92	158	294	517	362	65
Min.	0	80	122	222	193	0
A.F.	1320	7930	10420	25760	15600	130

Water diverted 61160 A.F.
 Acreage reported D-621-296; D-622-28560; D-624-1440;
 A-2039-1800; A-2093R-68; A-2110-1272; A-2145-0; A-2262-
 410; A-12968-0; A-14008-191; A-15184-160; A-15507-120;
 Total-34317

DISCHARGE IN SECOND-FEET OF DAWSON COUNTY
 DRAIN NO. 2--SE 1/4 NE 1/4 Sec. 25-10-23 W.
 Nr. Darr. 7/10 mile south on county road,
 on right side of road
 Water Year Ending September 30, 1981

Date	May	June	July	Aug.	Sept.
1	3	7	8	8	14
2	3	8	7	8	11
3	3	6	8	10	8
4	4	6	7	10	8
5	3	6	6	10	5
6	2	6	6	11	5
7	3	6	6	8	7
8	4	5	6	6	6
9	4	5	6	5	6
10	3	5	5	6	6
11	3	5	7	10	6
12	3	5	6	10	6
13	3	5	6	10	6
14	3	6	6	6	6
15	3	6	18	10	6
16	4	6	14	6	6
17	4	6	6	12	7
18	5	6	14	10	6
19	6	6	8	6	7
20	4	6	20	6	7
21	5	8	17	5	6
22	5	7	20	6	5
23	5	6	20	6	5
24	5	6	18	8	6
25	5	6	14	8	6
26	6	7	24	10	6
27	27	14	30	8	6
28	11	8	27	13	6
29	7	7	20	13	6
30	6	8	12	12	7
31	7	--	12	14	--
S.F.	159	194	384	271	198
Mean	5	6	12	9	7
Max.	27	14	30	14	14
Min.	2	5	5	5	5
A.F.	320	380	760	540	390

DAILY DIVERSIONS OF CANALS--1981
 TRI-COUNTY CANAL, JOHNSON POWER RETURN
 To Platte River--SE 1/4 NW 1/4 Sec. 2-8-21 W.
 Nr. Overton. 5 miles south on oil road, 6 1/2 miles west on county road, 1 1/2 miles north on
 canal road

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	837	393	923	983	1190	1114	781	104	179	208	392	0
2	852	363	897	1023	1124	1069	600	49	0	0	783	0
3	882	368	938	988	928	1094	560	75	0	746	909	0
4	761	383	963	1013	913	1190	560	136	0	1070	759	20
5	439	358	652	973	923	1250	575	164	0	540	526	51
6	418	413	1114	1003	1008	1185	565	68	0	282	969	11
7	413	444	1089	1034	1119	1170	560	2	0	0	1164	54
8	479	429	958	1049	1084	1170	585	0	0	0	1081	111
9	398	388	822	1013	1104	1124	590	4	0	0	1081	489
10	368	408	776	1034	1175	1124	550	20	0	0	327	499
11	368	393	776	1023	998	928	539	25	107	0	0	383
12	373	378	797	1013	822	802	544	0	153	0	0	307
13	328	408	988	958	867	756	539	0	407	0	0	292
14	333	444	978	1039	988	741	449	0	397	0	0	328
15	318	544	988	1034	993	736	383	0	404	0	0	297
16	272	585	943	1084	1104	751	363	0	411	0	0	313
17	282	610	958	1094	1170	792	348	0	364	0	0	333
18	338	751	781	1149	1341	792	353	775	133	286	0	302
19	323	792	797	1109	1386	746	368	1152	0	515	0	277
20	338	802	877	1220	1386	716	353	1054	0	385	0	277
21	373	832	877	1149	1361	716	368	742	0	329	0	272
22	484	993	832	1255	1417	726	246	459	0	0	0	544
23	615	1003	741	1417	1427	716	246	207	0	198	0	489
24	756	953	792	1180	1180	696	347	194	0	0	12	701
25	625	933	877	1180	1119	721	267	144	0	0	76	655
26	555	781	867	1139	1094	620	297	170	0	305	91	686
27	550	877	913	1160	1099	630	297	161	0	936	51	696
28	449	837	872	1220	1084	600	208	169	0	1330	21	676
29	459	822	807	1276	----	605	203	362	0	1340	16	1155
30	479	862	877	1361	----	610	161	168	0	1325	0	948
31	449	---	1039	1346	----	605	---	120	---	610	0	---
S.F.	14914	18547	27509	34569	31404	26495	12805	6524	2555	10405	8258	11166
Mean	481	618	887	1115	1122	855	427	210	85	336	266	372
Max.	882	1003	1114	1417	1427	1250	781	1152	411	1340	1164	1155
Min.	272	358	652	958	822	600	161	0	0	0	0	0
A.F.	29580	36790	54560	68570	62290	52550	25400	12940	5070	20640	16380	22150

Water returned 406920 A.F.

PLATTE RIVER BASIN
(MIDDLE LOUP RIVER)

DAILY DIVERSIONS OF CANALS--1981
SARGENT CANAL from Middle Loup River--Measured
through 10-foot Parshall flume--NW¼NE¼ Sec. 32-21-21 W.
Nr. Milburn. 2/10 mile east of diversion dam on left bank

Date	May	June	July	Aug.	Sept.
1	0	56	96	25	0
2	0	58	96	25	0
3	0	64	65	25	0
4	0	64	55	29	0
5	0	64	56	38	0
6	0	62	60	16	0
7	0	62	64	2	0
8	0	53	75	0	0
9	0	48	97	0	0
10	0	49	156	0	0
11	0	50	201	0	0
12	0	49	208	0	0
13	0	50	256	0	0
14	0	51	275	33	41
15	0	57	279	61	71
16	0	59	283	61	34
17	0	58	284	61	74
18	0	58	262	51	66
19	0	59	221	51	66
20	20	61	191	70	67
21	32	61	116	89	63
22	32	63	64	99	60
23	41	64	61	104	57
24	38	70	49	79	54
25	41	80	32	59	54
26	44	89	32	56	56
27	45	99	32	47	52
28	49	102	29	39	51
29	50	96	26	36	51
30	56	84	25	34	44
31	56	--	25	9	--
S.F.	504	1940	3771	1199	1011
Mean	16	65	122	39	34
Max.	56	102	284	104	84
Min.	0	48	25	0	0
A.F.	1000	3850	7480	2380	2010

Water diverted 16720 A.F.
Acreage reported A-4841a-13828; A-10260c-
suppl; A-12433-0; A-12632-56; A-15029-0;
Total-13884

DAILY DIVERSIONS OF CANALS--1981
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	54	5	16
2	0	22	52	4	15
3	0	26	16	3	15
4	0	22	14	0	13
5	0	20	20	0	15
6	0	18	35	0	13
7	0	17	36	0	13
8	0	12	39	0	15
9	0	13	51	0	14
10	0	11	62	0	14
11	16	17	69	0	15
12	24	17	69	0	15
13	24	13	70	3	15
14	23	12	70	15	14
15	24	19	70	10	5
16	27	15	70	12	0
17	27	14	70	15	0
18	27	12	69	15	0
19	23	12	69	21	0
20	20	10	63	32	0
21	18	10	50	32	0
22	19	19	19	32	0
23	17	25	16	32	0
24	16	28	16	26	0
25	15	46	16	22	0
26	15	41	16	20	0
27	15	37	16	18	0
28	15	51	15	18	0
29	16	43	11	18	0
30	15	51	8	17	0
31	15	--	7	19	--
S.F.	411	667	1258	394	207
Mean	13	22	41	12	7
Max.	27	51	70	32	16
Min.	0	10	7	0	0
A.F.	820	1320	2500	780	410

Water diverted 5830 A.F.
Acreage reported A-2293-2536; A-2678-212;
A-3979B-Suppl; A-3979B-3348; A-3981B-Suppl;
A-3981B-370; A-4131-93; A-6623-35; A-12842-
50; Total-6644

DAILY DIVERSIONS OF CANALS--1981
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	9	28	0	9
2	0	8	29	0	9
3	0	8	26	0	8
4	0	9	24	0	8
5	9	12	23	0	8
6	14	13	26	0	8
7	14	14	28	0	8
8	15	15	38	0	8
9	13	17	37	0	8
10	12	21	42	0	8
11	12	23	53	0	8
12	13	24	50	0	8
13	13	24	38	0	8
14	12	26	55	0	8
15	10	22	56	0	2
16	16	16	57	0	0
17	18	14	57	9	0
18	18	13	56	19	0
19	14	14	54	19	0
20	12	15	55	21	0
21	12	15	46	26	0
22	12	14	37	26	0
23	12	16	38	26	0
24	11	15	35	24	0
25	10	20	31	17	0
26	9	27	30	15	0
27	8	30	28	12	0
28	9	32	14	11	0
29	10	31	0	11	0
30	10	28	0	11	0
31	10	--	0	11	--
S.F.	328	545	1090	258	116
Mean	11	18	35	8	4
Max.	18	32	57	26	9
Min.	0	8	0	0	0
A.F.	650	1080	2160	510	230

Water diverted 4630 A.F.
Acreage reported A-2293-2360; A-3979A-
suppl; A-3979A-1162; A-3981A-Suppl;
A-3981A-185; A-8692-43; A-8930-62;
Total-3812

DAILY DIVERSIONS OF CANALS--1981
MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 3 from Middle Loup River
Measured through rating flume--SW¼NW¼ Sec. 6-17-16 W.
Nr. Comstock. 3.8 miles southeast, 1/10 mile south to
canal from bridge, 250 feet downstream, right bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	32	33	113	20	23
2	0	29	33	105	20	22
3	0	30	33	60	20	22
4	0	30	32	61	21	22
5	0	32	31	59	21	22
6	0	32	32	59	20	21
7	0	35	31	60	20	22
8	0	38	31	67	19	22
9	0	37	31	86	19	19
10	0	39	36	106	19	18
11	0	39	40	122	18	18
12	0	38	41	123	24	18
13	0	38	41	122	24	18
14	0	35	41	123	24	17
15	0	36	44	120	23	18
16	0	36	51	113	17	17
17	0	35	42	110	25	17
18	0	35	40	105	37	17
19	0	35	57	107	42	17
20	0	32	57	102	63	16
21	0	36	63	84	74	6
22	0	35	74	46	84	0
23	0	32	76	31	89	0
24	0	32	92	22	83	0
25	0	33	107	20	57	0
26	0	32	117	20	42	0
27	0	32	129	20	38	0
28	44	33	123	20	35	0
29	69	32	126	20	34	0
30	39	33	114	20	33	0
31	--	33	---	20	30	--
S.F.	152	1056	1798	2246	1095	390
Mean	5	34	60	72	35	13
Max.	69	39	129	123	89	23
Min.	0	29	31	20	17	0
A.F.	300	2090	3570	4450	2170	770

Water diverted 13350 A.F.
Acreage reported A-2293-4277; A-2678R-110; A-3979cR-
Suppl; A-3979cR-7414; A-3981cR-Suppl; A-3981cR-37;
A-4360-0; A-12179-40; A-13682-19; Total-11947

PLATTE RIVER BASIN
(MIDDLE LOUP RIVER)

DAILY DIVERSIONS OF CANALS--1981
MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
CANAL NO. 4 from Middle Loup River
Measured through rating flume--SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 31-18-16 W.
Nr. Comstock. 3.8 miles south, 1/10 mile north to canal,
from bridge, 500 feet downstream, right bank

Date	May	June	July	Aug.	Sept.
1	0	32	137	20	20
2	0	30	135	21	20
3	0	30	97	20	18
4	49	30	66	22	14
5	74	29	62	20	9
6	66	30	66	26	9
7	60	29	70	22	11
8	46	28	75	19	12
9	36	30	90	16	12
10	34	27	103	16	18
11	30	26	111	16	22
12	28	30	134	16	22
13	28	30	145	16	20
14	36	22	152	22	18
15	42	32	168	32	19
16	42	41	176	34	20
17	44	48	171	40	20
18	45	50	161	43	18
19	42	52	151	53	21
20	44	45	146	60	20
21	47	52	107	66	8
22	46	75	64	70	0
23	42	87	34	81	0
24	40	92	23	81	0
25	40	98	22	56	0
26	38	130	22	46	0
27	38	154	21	46	0
28	38	149	20	46	0
29	34	146	21	42	0
30	33	139	20	27	0
31	33	---	20	24	---
S.F.	1175	1793	2790	1119	351
Mean	38	60	90	36	12
Max.	74	154	176	81	22
Min.	0	22	20	16	0
A.F.	2330	3560	5530	2220	700

Water diverted 14340 A.F.
Acreage reported A-2293R-5968; A-2678R-84;
A-3979dR-Supp; A-3979dR-4234; A-3981dR-
Suppl; A-3981dR-657; A-5139-198; A-10161-317;
A-10175-56; A-12197-0; A-12198-0; A-12673-0; A-13590-85; Total-11599

DAILY DIVERSIONS OF CANALS--1981
MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-feet--1981

Diversions:	Apr.	May	June	July	Aug.	Sept.	Total
Canal No. 1.....	0	650	1080	2160	510	230	4630
Canal No. 2.....	0	820	1320	2500	780	410	5830
Canal No. 3.....	300	2090	3570	4450	2170	770	13350
Canal No. 4.....	0	2330	3560	5530	2220	700	14340
Total diversions.....	300	5890	9530	14640	5680	2110	38150

DAILY DIVERSIONS OF CANALS--1981
FARWELL CANAL from Middle Loup River--Measured
through 25-foot Parshall Flume--NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36-18-17 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	503	0	221	410	262	349	706	240
2	503	0	273	402	264	359	703	151
3	500	0	322	394	278	567	703	79
4	497	0	342	394	310	690	706	30
5	492	0	352	394	310	633	693	0
6	445	0	356	402	310	555	600	0
7	262	0	339	408	310	503	579	0
8	177	0	349	374	313	461	520	0
9	110	0	354	315	327	392	448	0
10	29	0	332	310	349	296	429	0
11	0	0	339	191	372	195	382	0
12	0	0	352	120	377	117	382	0
13	0	0	354	98	374	110	397	0
14	0	0	354	57	377	49	359	0
15	0	0	354	55	395	26	289	0
16	0	0	402	60	413	27	299	0
17	0	0	402	62	423	42	294	0
18	0	0	402	62	437	74	313	0
19	0	0	400	64	461	142	296	0
20	0	0	405	134	489	219	296	0
21	0	0	408	228	470	356	299	0
22	0	0	408	253	478	591	303	0
23	0	0	408	258	461	649	303	0
24	0	0	405	258	450	668	294	0
25	0	0	402	258	389	690	342	0
26	0	0	405	258	294	693	330	0
27	0	20	392	258	301	690	296	0
28	0	89	379	256	287	693	299	0
29	0	104	400	251	374	700	301	0
30	0	124	421	260	387	696	303	0
31	---	177	---	260	---	700	271	---
S.F.	3518	454	11042	7504	11042	12932	12735	500
Mean	113	15	368	242	368	411	411	17
Max.	503	177	421	410	489	700	706	240
Min.	0	0	221	55	262	26	271	0
A.F.	6980	900	20910	14880	21900	25650	25260	990

Water diverted 117470 A.F.
Acreage reported A-4423-49245; A-5710-1485; A-10260 a & b-
suppl; A-10470-320; Total-51050

DAILY DIVERSIONS OF CANALS--1981
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	114	560	74	111
2	0	112	566	74	112
3	0	116	479	72	107
4	0	118	424	70	101
5	0	118	424	72	101
6	0	118	445	74	0
7	0	118	493	69	0
8	0	131	530	65	0
9	0	142	537	65	0
10	0	147	550	65	0
11	0	158	550	69	0
12	0	168	550	76	0
13	0	172	556	79	0
14	0	172	572	78	0
15	0	176	564	74	0
16	0	183	556	76	0
17	0	188	544	82	0
18	0	194	518	90	0
19	0	206	511	106	0
20	79	225	447	118	0
21	107	232	416	168	0
22	107	259	340	236	0
23	107	309	242	257	0
24	107	354	163	295	0
25	109	411	118	264	0
26	107	461	111	187	0
27	107	502	99	150	0
28	107	511	85	139	0
29	109	530	80	125	0
30	111	548	79	121	0
31	109	---	76	112	---
S.F.	1276	7193	12185	3602	502
Mean	41	240	393	116	17
Max.	111	548	572	295	112
Min.	0	112	76	65	0
A.F.	2530	14270	24170	7140	1000

Water diverted 49110 A.F.

PLATTE RIVER BASIN
(MIDDLE LOUP RIVER)

DAILY DIVERSIONS OF CANALS--1981
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	75	345	42	112
2	0	84	354	42	115
3	0	83	339	38	115
4	0	81	300	37	113
5	0	81	286	35	85
6	0	81	289	35	0
7	0	81	293	35	0
8	0	83	305	36	0
9	0	94	312	37	0
10	0	97	321	37	0
11	0	110	324	37	0
12	0	116	324	46	0
13	0	116	335	50	0
14	0	116	342	43	0
15	0	116	346	37	0
16	0	116	339	35	0
17	0	120	342	35	0
18	0	124	339	45	0
19	6	128	335	58	0
20	34	150	310	72	0
21	45	153	287	93	0
22	52	166	219	122	0
23	60	190	157	133	0
24	60	214	110	153	0
25	60	248	82	156	0
26	60	275	77	130	0
27	60	308	61	111	0
28	61	315	50	110	0
29	65	326	48	110	0
30	69	338	44	110	0
31	70	---	42	112	--
S. F.	702	4591	7657	2172	540
Mean	23	153	247	70	18
Max.	70	338	356	156	115
Min.	0	76	42	35	0
A. F.	1390	9110	15190	4310	1070
Water diverted			31070	A. F.	

DAILY DIVERSIONS OF CANALS--1981
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	190	905	116	223
2	0	196	920	116	227
3	0	199	818	110	222
4	0	199	724	107	214
5	0	199	710	107	156
6	0	199	734	109	0
7	0	199	786	104	0
8	0	214	835	101	0
9	0	236	849	102	0
10	0	244	871	102	0
11	0	268	874	106	0
12	0	284	874	122	0
13	0	288	891	129	0
14	0	288	914	121	0
15	0	292	910	111	0
16	0	299	895	111	0
17	0	308	886	117	0
18	0	318	857	135	0
19	16	334	846	164	0
20	113	375	757	190	0
21	152	390	703	261	0
22	159	425	559	358	0
23	167	499	399	390	0
24	167	568	273	448	0
25	169	659	200	420	0
26	167	736	188	317	0
27	167	810	160	261	0
28	168	826	135	249	0
29	174	856	128	235	0
30	180	886	123	231	0
31	179	---	118	224	--
S. F.	1978	11784	19842	5774	1042
Mean	64	393	640	186	35
Max.	180	886	920	448	227
Min.	0	190	123	101	0
A. F.	3920	23370	39360	11450	2070
Water diverted		80170	A. F.		

PLATTE RIVER BASIN
(NORTH LOUP RIVER)

DAILY DIVERSIONS OF CANALS--1981
NORTH RIVER PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL from North Loup River
Measured through rating flume--NE¼NW¼ 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	62	136	74	43
2	0	64	141	64	45
3	0	62	79	64	44
4	56	60	66	63	41
5	79	61	67	47	40
6	64	58	85	38	40
7	64	57	97	38	39
8	63	57	109	39	38
9	68	58	124	40	36
10	64	62	142	39	40
11	62	60	171	35	36
12	70	61	196	36	36
13	62	62	201	36	37
14	63	68	214	35	35
15	64	63	216	39	38
16	63	61	217	37	40
17	65	62	216	43	42
18	69	60	221	33	42
19	63	64	219	56	45
20	66	64	219	61	42
21	64	64	225	62	41
22	63	65	206	61	43
23	60	65	204	63	41
24	56	66	197	59	40
25	57	69	198	51	41
26	60	80	166	39	40
27	63	102	122	38	37
28	56	109	38	38	38
29	60	114	23	42	36
30	61	112	73	41	32
31	60	--	76	45	--
S.F.	1765	2072	4664	1456	1188
Mean	57	69	150	47	40
Max.	79	114	225	74	45
Min.	0	57	23	33	32
A.F.	3500	4110	9250	2890	2360

Water diverted 22110 A.F.

Acreage reported A-2155-49; A-2312-12413; A-2417R-183;
A-3215A-853; A-3768-54; A-3980A-1306; A-3982A-Suppl;
A-4400-0; A-6430-0; A-7600-0; A-7854-15; A-10199-0;
A-10371-Resort; A-11379-0; A-11447-24; A-11648-15;
A-11706-34; A-13475-28; A-15442-6; A-15460-23; A-15569-16; A-15821-30; Total-15049

DAILY DIVERSIONS OF CANALS--1981
NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
BURWELL-SUMTER CANAL from North Loup River
Measured through rating flume--NE¼NW¼ Sec. 19-21-15 W.
Nr. Burwell, 1.3 mile east on Hiway 91, 100 feet north
to canal, 250 feet upstream, on left bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	40	5	83	48	27
2	0	32	4	77	55	26
3	0	36	2	54	51	26
4	0	36	24	51	47	26
5	0	38	41	50	41	25
6	0	33	41	52	4	25
7	0	58	41	50	0	26
8	0	58	40	55	0	24
9	0	47	34	76	0	24
10	0	46	44	73	0	24
11	0	46	46	96	22	23
12	0	45	47	109	29	22
13	0	45	47	113	30	22
14	0	45	51	118	33	25
15	0	46	46	117	34	22
16	0	48	46	116	38	24
17	0	54	47	122	36	23
18	0	50	44	124	29	23
19	0	45	44	124	28	23
20	0	42	46	125	28	23
21	0	42	48	121	28	23
22	0	45	47	119	29	23
23	0	44	48	105	30	23
24	0	44	47	112	32	23
25	0	42	50	92	27	23
26	0	45	50	53	26	24
27	0	49	54	54	26	23
28	0	37	55	56	27	22
29	11	7	60	52	26	22
30	82	6	79	50	26	20
31	--	5	--	48	27	--
S.F.	93	1256	1278	2647	857	709
Mean	3	41	43	85	28	24
Max.	82	58	79	125	55	27
Min.	0	5	2	48	0	20
A.F.	180	2490	2530	5250	1700	1410

Water diverted 13560 A.F.

Acreage reported A-2312-5683; A-3215B-1121; A-3772-75;
A-3828-0; A-3980b-1347; A-14778-34; A-3982b-Suppl; A-5133-0;
A-6578-38; A-6943-16; A-9809-0; A-10443-37; A-11856-0;
A-12017-35; A-12355-105; A-13402-47; A-13474-37; A-14566-70;
A-14777-56; A-15935-54; Total-8755

DAILY DIVERSIONS OF CANALS--1981
NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL from North Loup River
Measured through rating flume--NW¼NE¼ 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	Apr.	May	June	July	Aug.	Sept.
1	0	18	27	88	55	30
2	0	18	27	94	54	28
3	0	18	27	86	53	26
4	0	18	27	83	59	26
5	0	18	27	78	50	24
6	0	18	27	77	0	25
7	0	18	27	79	0	24
8	0	20	27	86	0	24
9	0	22	27	93	0	25
10	0	23	25	95	0	24
11	0	22	27	97	0	25
12	0	23	28	99	0	24
13	0	22	28	100	0	25
14	0	22	28	115	0	25
15	0	22	28	116	0	24
16	0	23	27	116	0	24
17	0	25	27	115	0	24
18	0	24	28	113	30	24
19	0	23	28	110	53	24
20	0	22	30	109	52	24
21	0	22	35	113	52	24
22	0	22	35	107	53	24
23	0	22	37	98	53	21
24	0	21	46	94	54	20
25	0	20	61	90	46	21
26	0	22	70	83	33	22
27	45	27	80	78	32	21
28	36	27	92	65	31	20
29	17	27	76	64	30	20
30	17	27	77	56	28	19
31	--	28	--	55	28	--
S.F.	115	684	1156	2852	846	711
Mean	4	22	39	92	27	24
Max.	45	28	77	116	59	30
Min.	0	18	25	55	0	19
A.F.	230	1360	2290	5660	1680	1410

Water diverted 12630 A.F.

Acreage reported A-2312-5647; A-3215c-325; A-3672-0;
A-3980c-570; A-3982c-Suppl. A-4231-26; A-10209-0;
A-10583-74; A-10584-77; A-10842-0; A-14120-48; A-14741-
14; A-14814-40; A-15031-75; A-15236-40; A-15898-12; Total-6948

DAILY DIVERSIONS OF CANALS--1981

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-feet--1981

	Apr.	May	June	July	Aug.	Sept.	Total
Diversion:							
Taylor-Ord Canal.....	0	3500	4110	9250	2890	2360	22110
Burwell-Sumter Canal.	180	2490	2530	5250	1700	1410	13560
Ord-North Loup Canal.	230	1360	2290	5660	1680	1410	12630
Total diverted.....	410	7350	8930	20160	6270	5180	48300

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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	1,145	-91
Oct. 31, 1980	1,105	-40
Nov. 30, 1980	1,065	-40
Dec. 31, 1981	1,053	-12
Jan. 31, 1981	1,027	-26
Feb. 28, 1981	1,005	-22
Mar. 31, 1981	996	-9
Apr. 30, 1981	951	-45
May 31, 1981	919	-32
June 30, 1981	855	-64
July 31, 1981	832	-23
Aug. 31, 1981	903	+71
Sept. 30, 1981	856	-47
Change in Storage during Water Year 1981		-289

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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	2,372	-181
Oct. 31, 1980	2,269	-103
Nov. 30, 1980	2,168	-101
Dec. 31, 1980	2,116	-52
Jan. 31, 1981	2,073	-43
Feb. 28, 1981	2,015	-58
Mar. 31, 1981	1,981	-34
Apr. 30, 1981	1,901	-80
May 31, 1981	1,829	-72
June 30, 1981	1,681	-148
July 31, 1981	1,629	-52
Aug. 31, 1981	1,663	+34
Sept. 30, 1981	2,022	+359
Change in Storage during Water Year 1981		-350

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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	2,117	-138
Oct. 31, 1980	2,066	-51
Nov. 30, 1980	2,006	-60
Dec. 31, 1980	2,003	-63
Jan. 31, 1981	1,985	-18
Feb. 28, 1981	1,970	-15
Mar. 31, 1981	1,980	+10
Apr. 30, 1981	1,913	-67
May 31, 1981	1,859	-54
June 30, 1981	1,755	-104
July 31, 1981	1,729	-26
Aug. 31, 1981	1,780	+51
Sept. 30, 1981	1,709	-71
Change in Storage during Water Year 1981		-408

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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	1,888	-11
Oct. 31, 1980	1,856	-32
Nov. 30, 1980	1,823	-33
Dec. 31, 1980	1,821	-2
Jan. 31, 1981	1,819	-2
Feb. 28, 1981	1,821	+2
Mar. 31, 1981	1,841	+20
Apr. 30, 1981	1,839	-2
May 31, 1981	1,839	0
June 30, 1981	1,740	-99
July 31, 1981	1,733	-7
Aug. 31, 1981	1,871	+138
Sept. 30, 1981	1,860	-11
Change in Storage during Water Year 1981		-28

PLATTE RIVER BASIN
(SALT CREEK)

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

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

Water Year Ending September 30, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	1,422	-88
Oct. 31, 1980	1,373	-49
Nov. 30, 1980	1,320	-53
Dec. 31, 1980	1,302	-18
Jan. 31, 1981	1,275	-27
Feb. 28, 1981	1,250	-25
Mar. 31, 1981	1,232	-18
Apr. 30, 1981	1,184	-48
May 31, 1981	1,168	-16
June 30, 1981	1,066	-102
July 31, 1981	1,045	-21
Aug. 31, 1981	1,039	-6
Sept. 30, 1981	1,201	+162
Change in Storage during Water Year 1981		-221

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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	2,286	-125
Oct. 31, 1980	2,225	-61
Nov. 30, 1980	2,184	-41
Dec. 31, 1980	2,184	0
Jan. 31, 1981	2,178	-6
Feb. 28, 1981	2,178	0
Mar. 31, 1981	2,202	+24
Apr. 30, 1981	2,192	-10
May 31, 1981	2,204	+12
June 30, 1981	2,086	-118
July 31, 1981	2,002	-84
Aug. 31, 1981	2,240	+238
Sept. 30, 1981	2,180	-60
Change in Storage during Water Year 1981		-106

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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	1,970	-90
Oct. 31, 1980	1,935	-35
Nov. 30, 1980	1,895	-40
Dec. 31, 1980	1,898	+3
Jan. 31, 1981	1,897	-1
Feb. 28, 1981	1,893	-4
Mar. 31, 1981	1,916	+23
Apr. 30, 1981	1,935	+19
May 31, 1981	1,960	+25
June 30, 1981	1,856	-104
July 31, 1981	1,801	-55
Aug. 31, 1981	1,883	+82
Sept. 30, 1981	1,851	-32
Change in Storage during Water Year 1981		-119

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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	8,064	-299
Oct. 31, 1980	7,966	-98
Nov. 30, 1980	7,896	-70
Dec. 31, 1980	8,008	+112
Jan. 31, 1981	8,064	+56
Feb. 28, 1981	8,126	+62
Mar. 31, 1981	8,280	+154
Apr. 30, 1981	8,331	+51
May 31, 1981	8,449	+118
June 30, 1981	8,106	-343
July 31, 1981	7,861	-245
Aug. 31, 1981	8,126	+265
Sept. 30, 1981	7,973	-153
Change in Storage during Water Year 1981		-91

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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	713	-73
Oct. 31, 1980	687	-26
Nov. 30, 1980	641	-46
Dec. 31, 1980	615	-26
Jan. 31, 1981	584	-31
Feb. 28, 1981	556	-28
Mar. 31, 1981	536	-20
Apr. 30, 1981	505	-31
May 31, 1981	507	+2
June 30, 1981	452	-55
July 31, 1981	429	-23
Aug. 31, 1981	538	+109
Sept. 30, 1981	802	+264
Change in Storage during Water Year 1981		+89

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, 1981

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30, 1980	25,329	-701
Oct. 31, 1980	27,080	+1,751
Nov. 30, 1980	26,265	-815
Dec. 31, 1980	26,175	-90
Jan. 31, 1981	26,211	+36
Feb. 28, 1981	26,247	+36
Mar. 31, 1981	26,428	+181
Apr. 30, 1981	26,302	-126
May 31, 1981	26,664	+362
June 30, 1981	25,609	-1,055
July 31, 1981	25,031	-578
Aug. 31, 1981	26,338	+1,307
Sept. 30, 1981	25,801	-537
Change in Storage during Water Year 1981		+472

REPUBLICAN RIVER BASIN

DAILY DIVERSIONS OF CANALS--1981
HAIGLER CANAL from Republican River
Measured through 5-foot Parshall flume--Sec. 2-1-43 W.
Record Supplied by the State of Colorado

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	31	0	27	21	39	14	19
2	21	0	28	21	35	20	20
3	23	0	16	19	26	19	17
4	23	0	22	19	38	21	15
5	24	0	30	18	32	23	16
6	11	0	28	17	25	21	17
7	2	0	12	16	20	16	16
8	24	0	12	22	20	14	14
9	23	0	15	31	25	22	14
10	22	0	14	30	23	23	14
11	22	0	14	27	22	16	14
12	20	0	22	33	17	13	15
13	20	0	19	31	15	17	14
14	19	18	18	31	24	14	13
15	20	28	18	32	21	13	18
16	22	28	22	31	16	17	18
17	19	28	23	30	15	11	9
18	15	28	24	28	14	13	9
19	15	30	20	26	14	15	18
20	15	19	16	27	16	7	19
21	15	9	14	28	13	10	18
22	17	8	14	26	13	12	16
23	10	12	14	21	17	11	14
24	0	17	13	22	18	15	14
25	0	16	12	24	17	10	15
26	0	16	12	19	17	8	13
27	0	15	13	21	18	16	12
28	0	21	15	29	22	16	14
29	0	18	14	32	16	16	14
30	0	20	14	38	17	15	11
31	0	--	18	--	16	16	--
S.F.	433	331	551	770	641	474	459
Mean	14	11	18	26	21	15	15
Max.	31	30	30	38	39	23	20
Min.	0	0	12	16	13	7	9
A.F.	860	660	1090	1530	1270	940	910
Water diverted		7260 A.F.					

DAILY DIVERSIONS OF CANALS--1981
MEEKER-DRIFTWOOD CANAL from Republican River--Measured
through 12-foot Parshall flume--SW $\frac{1}{4}$ Sec. 9-2-33 W.
Below Trenton Dam. 1/10 mile east on south end of dam,
3/20 mile north, 2/10 mile east

Date	May	June	July	Aug.	Sept.
1	0	0	140	74	171
2	0	0	166	74	168
3	0	0	174	114	153
4	0	0	174	185	114
5	0	0	174	232	95
6	0	0	199	247	95
7	0	0	242	250	95
8	0	0	270	249	99
9	0	0	290	249	98
10	0	0	304	249	90
11	0	0	308	243	81
12	0	0	307	239	77
13	0	0	308	228	77
14	0	0	316	198	60
15	0	0	321	187	36
16	0	0	313	188	28
17	0	87	304	182	25
18	0	72	269	156	11
19	0	73	238	146	0
20	0	74	200	153	0
21	0	74	173	150	0
22	0	74	168	147	0
23	0	74	173	147	0
24	0	74	200	154	0
25	0	74	213	195	0
26	0	84	213	192	0
27	0	88	146	189	0
28	0	88	89	179	0
29	0	116	82	175	0
30	0	131	77	175	0
31	0	--	74	175	--
S.F.	0	1183	6625	5721	1573
Mean	0	39	214	185	52
Max.	0	131	321	250	171
Min.	0	0	74	74	0
A.F.	0	2350	13140	11350	3120
Water diverted		29960 A.F.			
Acreage reported D-4, 9, 8 & 7-2719; A-3869bR-2674; A-3887cR-92; A-6213-9170; A-9690-197; A-9911-500; A-10590-56; A-11946-53; A-14180-13; A-15130-107; Total-15581					

REPUBLICAN RIVER BASIN

DAILY DIVERSIONS OF CANALS--1981
 CHAMPION CANAL from Frenchman River--Measured
 through rating flume--NE½SE¼ Sec. 24-5-40 W.
 Nr. Champion. 2.5 miles west on county road,
 4/5 mile north, 1/10 mile west on north side
 of canal

Date	Apr.	May	June	July	Aug.	Sept.
1	0	10	10	8	3	1
2	0	9	10	8	4	3
3	0	9	10	7	5	5
4	0	9	10	7	5	5
5	0	9	10	7	5	5
6	5	9	9	7	5	5
7	10	9	9	7	2	5
8	10	10	9	7	2	4
9	10	10	9	6	2	5
10	10	8	9	5	2	5
11	9	8	9	4	2	5
12	9	9	9	4	2	4
13	10	9	8	3	2	4
14	9	9	8	2	1	4
15	9	9	8	2	1	4
16	9	9	7	2	1	5
17	9	10	7	2	3	5
18	10	11	7	4	2	5
19	10	11	8	4	1	5
20	14	10	8	2	1	5
21	14	10	8	1	1	4
22	10	10	8	1	1	4
23	10	9	8	1	1	4
24	14	9	8	1	1	4
25	12	9	8	2	1	4
26	10	9	7	5	1	4
27	10	11	7	9	1	4
28	10	12	7	8	1	5
29	10	12	4	4	1	4
30	10	12	4	2	1	4
31	--	11	--	2	1	--
S.F.	253	301	243	134	62	130
Mean	8	10	8	4	2	4
Max.	14	12	10	9	5	5
Min.	0	8	4	1	1	1
A.F.	500	600	480	270	120	260
Water diverted 2230 A.F.						
Acreage reported D-47-840						

DAILY DIVERSIONS OF CANALS--1981
 CULBERTSON CANAL from Frenchman River--Measured
 through 18-foot Parshall flume--SW¼NE¼ Sec. 32-5-33 W.
 Nr. Palisade, 8/10 mile northeast on Hiway 25, 5/10
 mile east along canal

Date	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	54	59	66	111	80	6
2	0	54	59	66	125	93	0
3	0	55	60	64	136	94	0
4	0	55	59	63	147	94	0
5	0	54	58	61	151	111	0
6	0	57	59	60	150	123	0
7	0	61	59	60	149	142	0
8	0	59	60	60	154	140	0
9	0	58	61	60	161	140	0
10	0	59	59	58	172	162	0
11	0	61	58	58	181	181	0
12	0	60	59	57	186	189	0
13	0	59	59	58	193	196	0
14	0	57	59	56	200	194	0
15	0	54	64	56	207	179	0
16	0	54	66	47	208	175	0
17	0	54	64	48	211	177	0
18	0	54	63	48	197	171	0
19	0	56	65	47	185	167	0
20	0	56	67	46	169	167	0
21	0	60	66	44	165	164	0
22	0	55	66	43	161	174	0
23	14	57	66	40	159	180	0
24	35	51	65	39	161	188	0
25	45	59	66	49	161	203	0
26	48	59	66	66	164	210	0
27	48	59	65	68	141	227	0
28	49	59	65	67	122	229	0
29	49	60	65	78	112	222	0
30	48	60	66	101	111	217	0
31	52	--	66	--	100	191	--
S.F.	388	1710	1939	1734	4951	5180	6
Mean	13	57	63	58	160	167	0
Max.	52	61	67	101	211	229	6
Min.	0	51	58	39	100	80	0
A.F.	770	3390	3850	3440	9820	10270	10
Water diverted 31550 A.F.							
Acreage reported D-24, 25, 29 & 30-9419; A-3869AR-1415; A-6214-9592; A-9697-157; A-9802-132; Total-20715							

DAILY DIVERSIONS OF CANALS--1981
 RIVERSIDE CANAL from Frenchman River--Measured
 in section of canal--NE½SE¼ Sec. 33-4-32 W.
 Nr. Culbertson

Date	Apr.	May	June	July	Aug.	Sept.
1	0	0	4	12	9	0
2	0	0	4	8	8	0
3	0	8	4	6	10	0
4	0	7	4	11	10	0
5	0	0	4	10	9	0
6	0	0	4	10	9	0
7	0	0	4	10	9	10
8	0	0	4	13	9	10
9	0	0	4	12	9	10
10	0	0	4	11	9	10
11	0	0	4	8	10	9
12	0	0	4	8	11	9
13	0	0	4	10	12	9
14	0	0	4	11	11	9
15	0	0	4	12	11	8
16	0	0	4	10	11	8
17	0	7	0	0	10	8
18	0	7	0	0	10	8
19	0	7	0	0	10	0
20	0	7	0	0	10	0
21	0	7	10	0	10	0
22	0	7	10	10	10	0
23	0	7	10	9	10	0
24	0	7	12	8	10	0
25	0	7	11	10	10	0
26	0	3	11	12	0	0
27	9	5	10	11	0	0
28	9	6	10	11	0	0
29	0	6	12	12	0	0
30	0	6	10	11	0	0
31	--	6	--	10	0	--
S.F.	18	110	170	266	247	108
Mean	1	4	6	9	8	4
Max.	9	8	12	13	12	10
Min.	0	0	0	0	0	0
A.F.	40	220	340	530	490	210
Water diverted 1830 A.F.						
Acreage reported D-18-281; A-1674-187; Total-468						

DAILY DIVERSIONS OF CANALS--1981
 RED WILLOW CANAL from Red Willow Creek--Measured
 through orifice check--SW¼SE¼ 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	43	11	49
2	0	0	50	13	55
3	0	0	35	13	49
4	0	0	28	11	31
5	0	0	27	10	25
6	0	0	25	9	24
7	0	0	25	9	24
8	0	0	27	9	24
9	0	0	29	9	25
10	0	0	30	8	24
11	0	0	31	8	20
12	0	0	31	10	21
13	0	0	48	15	19
14	0	0	67	16	16
15	0	0	76	15	13
16	0	0	82	15	13
17	0	0	60	15	5
18	0	0	38	18	0
19	0	0	34	25	0
20	0	0	27	33	0
21	0	0	20	43	0
22	0	0	17	50	0
23	0	0	18	50	0
24	0	25	29	56	0
25	0	24	34	61	0
26	0	32	34	59	0
27	0	35	24	58	0
28	0	35	16	55	0
29	0	40	15	55	0
30	0	46	14	53	0
31	0	--	13	53	--
S.F.	0	237	1047	865	437
Mean	0	8	34	28	15
Max.	0	46	82	61	55
Min.	0	0	13	8	0
A.F.	0	470	2080	1720	870
Water diverted 5140 A.F.					
Acreage reported A-3869CR-2858; A-6216-491; A-10195-483; A-12068-677; A-12201-82; A-14178-253; Total-4844					

DAILY DIVERSIONS OF CANALS--1981
BARTLEY CANAL from Republican River--Measured
through 8-foot Parshall flume--NW¼SW¼ 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	41	17	60
2	0	0	46	17	52
3	0	0	31	14	51
4	0	0	22	13	40
5	0	0	21	15	32
6	0	0	25	15	31
7	0	0	30	13	31
8	0	0	37	12	31
9	0	0	51	12	31
10	0	0	73	12	28
11	0	0	84	17	17
12	0	0	84	16	12
13	0	0	103	13	12
14	0	0	123	12	10
15	0	0	129	12	4
16	0	0	127	12	0
17	0	0	103	49	0
18	0	0	86	81	0
19	0	0	90	88	0
20	0	0	63	95	0
21	0	0	53	97	0
22	0	11	53	98	0
23	0	35	58	99	0
24	0	26	74	93	0
25	0	26	82	86	0
26	0	23	83	74	0
27	0	20	51	71	0
28	0	20	27	59	0
29	0	29	20	54	0
30	0	41	16	54	0
31	0	--	17	62	--
S.F.	0	231	1903	1382	442
Mean	0	8	61	45	15
Max.	0	41	129	99	60
Min.	0	0	16	12	0
A.F.	0	460	3770	2740	880

Water diverted 7850 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--1981
CAMBRIDGE CANAL from Republican River--Measured
through 15-foot Parshall flume--SE¼NE¼ Sec. 27-4-25 W.
Nr. Cambridge. 2.5 miles east on Hwy 6, 1/10
mile south, 200 feet east

Date	May	June	July	Aug.	Sept.
1	0	0	83	76	88
2	0	0	86	76	88
3	0	0	82	69	87
4	0	0	75	77	66
5	0	0	77	84	53
6	0	0	73	63	51
7	0	0	75	45	52
8	0	0	77	42	44
9	0	0	94	41	41
10	0	0	121	41	41
11	0	0	167	41	41
12	0	0	180	39	40
13	0	0	249	44	41
14	0	0	321	72	14
15	0	0	332	89	0
16	0	0	356	90	0
17	0	36	301	125	0
18	0	47	253	162	0
19	0	59	247	223	0
20	0	61	212	258	0
21	0	62	183	271	0
22	0	75	173	274	0
23	0	90	164	275	0
24	0	84	177	241	0
25	0	82	185	170	0
26	0	67	185	145	0
27	0	80	137	126	0
28	0	82	95	98	0
29	0	86	81	89	0
30	0	85	70	87	0
31	0	--	73	86	--
S.F.	0	996	4984	3619	745
Mean	0	33	161	117	25
Max.	0	90	356	275	88
Min.	0	0	70	39	0
A.F.	0	1980	9890	7180	1480

Water diverted 20530 A.F.
Acreage reported A-3869e-14231; A-6218-459; A-9479-217; A-9763-119; A-10591-448; A-11041-256; A-12067-812; A-12200-259; A-13228-101; A-14181-177; A-15131-77; Total-17156

DAILY DIVERSIONS OF CANALS--1981
NAPONEE CANAL from Republican River--Measured
through Sparling Meter--NE¼NE¼ Sec. 14-1-17 W.
Below Harlan County Dam. 5/10 mile northeast
from south end of dam

Date	May	June	July	Aug.	Sept.
1	0	0	22	0	0
2	0	0	28	0	0
3	0	0	12	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	6	0	0
9	0	0	17	0	0
10	0	0	22	0	0
11	0	0	26	0	0
12	0	0	28	0	0
13	0	0	32	0	0
14	0	0	35	0	0
15	0	0	36	0	0
16	0	0	36	0	0
17	0	0	34	6	0
18	0	0	28	20	0
19	0	0	22	30	0
20	0	0	22	35	0
21	0	2	25	36	0
22	0	0	28	36	0
23	0	0	28	32	0
24	0	0	28	21	0
25	0	0	28	7	0
26	0	0	12	0	0
27	0	0	0	0	0
28	0	4	0	0	0
29	0	12	0	0	0
30	0	14	0	0	0
31	0	--	0	0	--
S.F.	0	32	555	223	0
Mean	0	1	18	7	0
Max.	0	14	36	36	0
Min.	0	0	0	0	0
A.F.	0	60	1100	440	0

Water diverted 1600 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--1981
FRANKLIN CANAL from Republican River--Measured
through orifice--NW¼NE¼ Sec. 11-1-17 W.
Below Harlan County Dam. 1 mile south of north
end of dam, 3/10 mile east on south side of canal

Date	May	June	July	Aug.	Sept.
1	0	0	162	0	0
2	0	0	188	0	0
3	0	0	138	0	0
4	0	0	96	0	0
5	0	0	96	0	0
6	0	0	116	0	0
7	0	0	151	0	0
8	0	0	182	0	0
9	0	0	205	0	0
10	0	0	225	0	0
11	0	0	245	38	0
12	0	0	251	93	0
13	0	0	250	93	0
14	0	0	250	93	0
15	0	0	250	101	0
16	0	0	249	116	0
17	0	0	241	121	0
18	0	0	209	142	0
19	0	0	184	168	0
20	0	0	185	198	0
21	0	0	186	234	0
22	0	0	188	248	0
23	0	0	208	221	0
24	0	0	208	174	0
25	0	0	166	145	0
26	0	59	111	124	0
27	0	91	25	113	0
28	0	107	0	104	0
29	0	122	0	51	0
30	0	122	0	0	0
31	0	--	0	0	--
S.F.	0	501	4965	2577	0
Mean	0	17	160	83	0
Max.	0	122	251	248	0
Min.	0	0	0	0	0
A.F.	0	990	9850	5110	0

Water diverted 15950 A.F.
Acreage reported A-2691a-4422; A-2691bR-4013; A-4216-1958; A-6221-153; A-8259-145; A-9623-53; A-9724-18; A-10964-314; A-12796-106; A-14162-21; A-15488-57; Total-11260

DAILY DIVERSIONS OF CANALS--1981

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

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

CIRCLE PUMP from Niobrara River--NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-28-51 W.
Nr. Marsland. 1 mile south and east on south river bank
Water diverted 0 A.F. -- Acreage reported A-4758-571

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

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

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-462-26

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

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
Water diverted 0 A.F. -- Acreage reported D-510R-84

JOHNSON CANAL from Niobrara River--SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-31-57 W.
Nr. Harrison. 5 miles south on Hiway 29, 3 $\frac{1}{2}$ miles west to auto-gate,
1 mile north, on east river bank
Water diverted 1 A.F. -- Acreage reported D-511R-146

DAILY DIVERSIONS OF CANALS--1981

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

MOORE-KAY CANAL from Niobrara River--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.
Water diverted 0 A.F. -- Acreage reported A-88-400

PIONEER CANAL from Niobrara River--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-29-51 W.
Nr. Marsland. 3 miles east on county road, 1/4 mile south, on north river bank
Water diverted 0 A.F. -- Acreage reported D-442a-245; A-4599-15; A-5010-43; Total-303

RAMSHORN CANAL from North Platte River--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-945-1651

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

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MISCELLANEOUS DISCHARGE MEASUREMENTS OF
RIVERS AND STREAMS

1981

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CHEYENNE RIVER BASIN
(HAT CREEK)

MEASUREMENT OF STREAMS Year Ending September 30, 1981						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981								
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.			
		HAT CREEK, WEST, BELOW WEST HAT CREEK CANAL Sec. 16-32-55 W.						JIM CREEK AT JUNCTION WITH WARBONNET CREEK Sec. 9-33-56 W.						
10-23	0.5	3-10	0.0			10-23	0.70							
		SOW BELLY CREEK BELOW SOW BELLY CANAL Sec. 7-32-55 W.						SOW BELLY CREEK BELOW QUINTARD RIPARIAN RIGHT Sec. 17-33-55 W.						
10-23	1.0					10-23	0.0							
		SOW BELLY CREEK ABOVE ANDREWS CANAL Sec. 5-32-55 W.						SOW BELLY CREEK BELOW JIM CREEK JUNCTION Sec. 4-33-55 W.						
1-28	1.98					10-23	0.0	4- 8	0.45	4-21	0.75	6- 9	0.05	
		SOW BELLY CREEK BELOW ANDREWS CANAL Sec. 34-33-55 W.						HAT CREEK AT WASSERBURGER PUMP Sec. 24-34-55 W.						
1-28	1.57					10-23	0.0							
		SOW BELLY CREEK BELOW ZIMMERMAN CANAL Sec. 34-33-55 W.						HAT CREEK BELOW COFFEE FLOOD CANAL Sec. 14-33-55 W.						
10-23	1.00					10-23	0.75	3-10	0.05	4-21	2.83			
		HAT CREEK BELOW COFFEE CANAL Sec. 26-33-55 W.						HAT CREEK NEAR MONT ROSE Sec. 13-34-55 W.						
10-23	0.75	3-10	0.0			10-23	0.0	4- 8	0.2	4-21	0.0	6- 9	0.05	
		MONROE CREEK ABOVE JORDAN RESERVOIR Sec. 23-33-56 W.					3-10	.1						
		MONROE CREEK BELOW JORDAN RESERVOIR Sec. 13-33-56 W.						HAT CREEK NEAR SEMROSKA RIPARIAN RIGHT Sec. 6-34-54 W.						
10-23	0.25					11- 7	0.0	4-21	0.0	6- 9	0.0			
		PRAIRIE DOG CREEK ABOVE SOW BELLY CREEK JUNCTION Sec. 17-33-55 W.						WHITE HEAD CREEK ABOVE HAT CREEK JUNCTION Sec. 4-34-54 W.						
10-23	0.25					10-23	0.0	4-21	0.0	5-18	10.5			
		WARBONNET CREEK BELOW WARBONNET CANAL Sec. 21-33-56 W.						HAT CREEK NEAR GEISERS BRIDGE Sec. 28-35-54 W.						
10-23	0.0					10- 9	0.0	2-24	0.05	4-21	0.0	6- 9	0.0	
								HAT CREEK NEAR ARDMORE, SOUTH DAKOTA Sec. 21-35-54 W.						
10-23	0.75					11-13	0.0	4-21	0.0	5- 1	2.83			
							11-25	2.36						

WHITE RIVER BASIN

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1981

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SQUAW CREEK ABOVE SQUAW CREEK RESERVOIR Sec. 12-31-52 W.							
10-21	0.38	3- 9	0.73	5- 6	0.49	9- 2	0.22
11- 6	.20	3-17	.31	5-27	.38	9- 8	.25
2-25	.37	3-24	.18	8-24	1.19	9-21	.23
3- 5	.51	4-14	.28				
SQUAW CREEK RESERVOIR STORAGE Sec. 12-31-52 W.							
10-21	19	12- 1	0	3- 9	23	5-27	45
11-12	54	12-10	0	3-17	18	9- 8	109
11-21	20	2-25	28	5- 6	41	9-21	86
11-24	18	3- 5	30				
SQUAW CREEK BELOW SQUAW CREEK RESERVOIR Sec. 12-31-52 W.							
2-25	0.91	3-17	0.31	5-27	0.06	9- 2	1.23
3- 5	.40	3-24	.19	5-27	.39	9- 8	.90
3- 6	.86	4-14	.26	8-24	2.28	9-21	.23
3- 9	.98						
COTTONWOOD CREEK, LITTLE, AT DODD-McDOWELL RESERVOIR Sec. 18-32-52 W.							
1- 7	0.83						

MISSOURI RIVER TRIBUTARIES
(PONCA CREEK)

MEASUREMENT OF STREAMS
Year Ending September 30, 1981

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
				SPRING CREEK NEAR BUTTE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 25-34-13 W.			
6-23	0.0						
				SPRING CREEK NEAR BUTTE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 25-34-13 W.			
5-26	0.09						
				HOOSIER CREEK NEAR BUTTE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-34-12 W.			
5-26	0.01						
				BEAVER CREEK NEAR SPENCER NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-33-12 W.			
6-19	0.66						
				WHISKEY CREEK NEAR LYNCH NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-33-10 W.			
5-27	0.0						

NIOBRARA RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1981				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981			
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
			COLEMAN CREEK NEAR NORDEN SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 16-33-24 W.				CUB CREEK BELOW A-14246 NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-33-22 W.
6- 8	0.57			7-6	0.39		
			MULESHOE CREEK NEAR NORDEN NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 22-33-24 W.				CUB CREEK NEAR NORDEN NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-32-22 W.
6- 8	2.22			6-11	1.59		
			McGUIRE CREEK NEAR NORDEN NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-33-24 W.				ROCK CREEK NEAR SPRINGVIEW NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-32-22 W.
6- 8	0.8			6-11	3.10		
			FAIRFIELD CREEK NEAR NORDEN E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 31-33-23 W.				JEWETT CREEK NEAR SPRINGVIEW N $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 9-32-21 W.
6- 8	21.5			6-11	1.11		
			MIDDLE CREEK NEAR NORDEN NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32-33-23 W.				SKINNER CREEK NEAR SPRINGVIEW SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-32-21 W.
6- 7	1.07			6-15	0.51		
			MIDDLE CREEK, EAST, NEAR NORDEN NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32-33-23 W.				PROSSER CREEK NEAR SPRINGVIEW NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13-32-21 W.
6- 7	0.24			6-15	0.33		
			TURKEY CREEK NEAR NORDEN SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-33-23 W.				THOMAS CREEK NEAR SPRINGVIEW NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20-32-20 W.
6- 7	1.94			6-15	0.04		
			CHIMNEY CREEK NEAR NORDEN SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-32-22 W.				BARNARD CREEK NEAR SPRINGVIEW NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-32-20 W.
6-11	0.81			6-15	0.04		
			CUB CREEK NEAR NORDEN SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-33-22 W.				RICKMAN CREEK NEAR SPRINGVIEW NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 22-32-20 W.
6-29	0.95			6-15	0.46		
			CUB CREEK AT A-13437 SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 21-33-22 W.				BEEMAN CREEK NEAR SPRINGVIEW SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23-32-20 W.
6-29	0.16	7- 6	0.70	6-15	0.84		

NIOBRARA RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981								MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981							
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
LONG PINE CREEK ¹ NW $\frac{1}{4}$ Sec. 20-29-20 W.								BONE CREEK NEAR AINSWORTH ¹ NW $\frac{1}{4}$ Sec. 7-30-21 W.							
11-4	11.5	4-7	9.8	6-19	10.2	8-25	10.9	11-5	11.2	4-8	12.2	6-10	8.7	8-26	31.0
1-13	9.9	5-12	10.0	7-27	12.0	9-22	8.9	1-14	11.4	5-13	18.4	7-28	35.2	9-23	13.8
WILLOW CREEK ¹ NW $\frac{1}{4}$ Sec. 17-30-20 W.								BONE CREEK ³ SW $\frac{1}{4}$ Sec. 34-31-21 W.							
7-28	6.5	8-25	9.2	9-22	2.6			11-5	17.4	5-13	23.4	6-10	13.4	8-26	40.8
LONG PINE CREEK AT CAMP WITNESS ¹ NW $\frac{1}{4}$ Sec. 17-30-20 W.								BONE CREEK AT HIGHWAY 183 SE $\frac{1}{4}$ Sec. 10-31-21 W.							
11-4	59.2	4-7	60.1	6-9	60.1	8-26	59.9	1-4	17.8	6-5	20.8	7-28	15.5	9-23	20.3
1-13	64.2	5-12	62.6	7-27	64.0	9-22	54.1	4-8	16.6	11-5	37.7	6-10	40.7	8-26	90.4
LONG PINE CREEK AT PINE GLENN RECREATION AREA ¹ SW $\frac{1}{4}$ Sec. 8-31-20 W.								SHORT PINE CREEK NEAR RIVERVIEW NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-32-20 W.							
11-4	88.9	4-7	97.9	6-9	92.1	8-26	98.1	1-14	40.5	5-13	50.3	7-28	73.5	9-23	50.0
1-13	97.4	5-12	99.0	7-27	109.9	9-22	87.6	6-4	0.81	WENTWORTH CREEK NEAR SPRINGVIEW SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-32-20 W.					
SAND DRAW ¹ NE $\frac{1}{4}$ Sec. 6-30-22 W.								SAND CREEK NEAR BASSETT NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-32-19 W.							
11-5	3.8	4-8	4.4	6-10	2.5	8-26	5.3	6-15	0.0	WYMN CREEK NEAR SPRINGVIEW NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-32-20 W.					
1-14	3.7	5-13	3.0	7-28	5.4	9-23	3.1	6-4	2.22	ELK CREEK NEAR BASSETT NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 29-32-19 W.					
SAND DRAW ³ NW $\frac{1}{4}$ Sec. 29-31-21 W.								COON CREEK NEAR BASSETT SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-32-19 W.							
11-5	8.0	5-13	5.8	6-15	5.30	8-26	15.1	6-15	1.41	BONE CREEK ¹ SW $\frac{1}{4}$ Sec. 23-30-22 W.					
1-14	6.7	6-10	5.2	7-28	9.3	9-23	6.9	6-4	3.26	SAND DRAW BELOW WASTEWAY ¹ NW $\frac{1}{4}$ Sec. 29-31-21 W.					
4-8	7.3							6-1	5.84	BONE CREEK ¹ SW $\frac{1}{4}$ Sec. 23-30-22 W.					
5-13	13.3	7-28	20.5	8-26	31.2	9-23	7.4			LONG PINE CREEK AT PINE GLENN RECREATION AREA ¹ SW $\frac{1}{4}$ Sec. 8-31-20 W.					
11-5	3.0	4-8	4.7	6-10	2.9	8-26	19.9			SAND DRAW ¹ NE $\frac{1}{4}$ Sec. 6-30-22 W.					
1-14	3.4	5-13	4.0	7-28	3.5	9-23	3.2			SAND DRAW ³ NW $\frac{1}{4}$ Sec. 29-31-21 W.					

NIOBRARA RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	
		LAUGHING WATER CREEK NEAR BASSETT SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-32-19 W.					BEAVER CREEK NEAR DUSTIN NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-33-15 W.			
6-1	3.97					6-17	4.31			
		ROCK CREEK NEAR BASSETT SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 33-32-18 W.					HOLT CREEK NEAR BURTON NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-35-20 W.			
3-24	3.07	6-4	2.30	7-13	1.91	6-5	2.3			
		ROCK CREEK NEAR BASSETT SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 29-32-18 W.					BURTON CREEK NEAR BURTON NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-34-19 W.			
6-1	3.59	3-24	4.75	7-13	1.82	6-5	2.07			
		WILLOW CREEK NEAR NEWPORT NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-32-17 W.					KEYA PAHA RIVER NEAR MILLS NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-34-18 W.			
6-4	3.12					6-29	10.1			
		OAK CREEK NEAR NEWPORT SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-32-17 W.					SPRING CREEK, TRIB. TO, BELOW A-14736 Sec. 30-33-18 W.			
6-1	0.39					10-22	2.47	7-1	2.10	
		HOUGAN CREEK NEAR BROCKSBURG SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-33-17 W.					3-3	2.25	7-8	1.80
7-13	0.70							7-17	1.36	
		ASH CREEK NEAR NEWPORT NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-32-17 W.							7-23	1.74
6-4	9.31							SPRING CREEK NEAR MILLS NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-34-18 W.		
		SIMMS CREEK NEAR BROCKSBURG NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26-33-17 W.					10-22	9.97	3-3	10.1
7-13	0.49							5-28	11.8	
		CLAY CREEK NEAR DUSTIN SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22-33-16 W.							SPRING CREEK NEAR MILLS, ABOVE HORSESHOE DAM SE $\frac{1}{4}$ Sec. 4-34-18 W.	
6-17	0.08					7-1	5.2			
		BEAVER CREEK NEAR DUSTIN SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-32-15 W.							SPRING CREEK NEAR MILLS, BELOW HORSESHOE DAM SE $\frac{1}{4}$ Sec. 4-34-18 W.	
6-17	1.18					7-1	3.1	7-1	7.4	
								COON CREEK NEAR BROCKSBURG SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-34-17 W.		
						10-22	0.22	3-3	0.18	
								COON CREEK, SOUTH BRANCH, NEAR BROCKSBURG NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-34-17 W.		
						7-23	0.09			

NIOBRARA RIVER BASIN

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1981

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		COON CREEK NEAR BROCKSBURG SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-34-17 W.			
10-22	0.67	3-3	0.77	5-28	1.16
		KEYA PAHA RIVER NEAR BROCKSBURG SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-34-17 W.			
6-29	8.1				
		SPOTTED TAIL CREEK, TRIB. TO, NEAR BROCKSBURG SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-35-17 W.			
6-10	0.12				
		SPOTTED TAIL CREEK, TRIB. TO, NEAR BROCKSBURG NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 33-35-17 W.			
6-10	0.0				
		SPOTTED TAIL CREEK, TRIB. TO, NEAR BROCKSBURG SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33-35-17 W.			
6-10	0.09				
		SPOTTED TAIL CREEK, TRIB. TO, NEAR BROCKSBURG SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-35-17 W.			
6-10	0.0	6-10	0.0		
		SPOTTED TAIL CREEK, TRIB. TO, NEAR BROCKSBURG SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-35-17 W.			
6-10	0.08				
		SPOTTED TAIL CREEK, BRANCH OF, NEAR BROCKSBURG SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-35-17 W.			
6-10	0.30				
		SPOTTED TAIL CREEK, BRANCH OF, NEAR BROCKSBURG NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-35-17 W.			
6-10	0.04				
		SPOTTED TAIL CREEK, TRIB. TO, NEAR BROCKSBURG SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-35-17 W.			
6-10	0.05				

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1981

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		SPOTTED TAIL CREEK, TRIB. TO, NEAR BROCKSBURG SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 3-34-17 W.					
6-10	0.03						
		SPOTTED TAIL CREEK, TRIB. TO, NEAR BROCKSBURG SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3-34-17 W.					
6-10	0.0						
		SPOTTED TAIL CREEK NEAR BROCKSBURG SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-34-17 W.					
6-10	0.02						
		SPOTTED TAIL CREEK NEAR BROCKSBURG NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-34-17 W.					
10-22	0.46	3-3	0.85	6-10	0.27		
		SPOTTED TAIL CREEK NEAR BROCKSBURG SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-34-17 W.					
10-22	0.0	3-3	0.69				
		SPOTTED TAIL CREEK NEAR BROCKSBURG NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-34-17 W.					
6-10	0.24						
		OAK CREEK ABOVE A-15669 NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-34-17 W.					
7-20	0.10						
		OAK CREEK, TRIB. TO, ABOVE A-15669 NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-34-17 W.					
7-20	0.04						
		OAK CREEK NEAR BROCKSBURG NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 25-34-17 W.					
5-26	1.39						
		BIG SANDY CREEK NEAR DUSTIN NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-33-14 W.					
6-17	21.4						

MISSOURI RIVER TRIBUTARIES
(NIOBRARA TO THE PLATTE)

MEASUREMENT OF STREAMS Year Ending September 30, 1981						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>BAZILE CREEK</u>						<u>DEVILS NEST CREEK</u>					
WEST BAZILE CREEK NEAR BRUNSWICK NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-28-5 W.						DEVILS NEST CREEK NEAR SANTEE SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 29-33-3 W.					
6-26	0.45					3-3	1.62	8-27	1.85		
BAZILE CREEK NEAR BRUNSWICK SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-28-5 W.						<u>WEIGAND CREEK</u>					
6-26	3.05					WEIGAND CREEK AT GAVINS POINT SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 20-33-2 W.					
BAZILE CREEK, TRIB. NEAR CREIGHTON SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10-28-5 W.						3-3	1.63	8-27	0.00		
6-26	0.38					<u>BEAVER CREEK</u>					
BAZILE CREEK AT BAZILE MILLS SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-29-5 W.						BEAVER CREEK NEAR ATEN SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 21-33-1 W.					
3-3	17.8	4-24	13.8	6-24	8.35	8-27	8.91	3-26	1.68		
BAZILE CREEK, LITTLE, NEAR CENTER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-30-5 W.						BEAVER CREEK NEAR YANKTON, SOUTH DAKOTA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 21-33-1 W.					
3-3	12.5	8-27	10.9			7-23	0.44				
BAZILE CREEK AT BAZILE MILLS SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-30-5 W.						<u>ANTELOPE CREEK</u>					
9-22	7.81					ANTELOPE CREEK NEAR MEMONINEE SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-33-1 W.					
<u>HOWE CREEK</u>						3-3	1.19	3-26	1.14		
HOWE CREEK NEAR CENTER SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-31-5 W.						ANTELOPE CREEK NEAR YANKTON, SOUTH DAKOTA SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-33-1 W.					
3-3	6.12	8-27	3.63			7-23	0.58				
<u>LOST CREEK</u>						<u>BOW CREEK</u>					
LOST CREEK NEAR SANTEE SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-32-5 W.						PEARL CREEK NEAR HARTINGTON SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-30-1 E.					
3-3	0.90					3-4	6.47	8-28	5.73		
LOST CREEK NEAR SANTEE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-32-5 W.						BOW CREEK NEAR HARTINGTON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12-30-1 E.					
8-5	0.00					3-4	3.83	8-28	0.83		

MISSOURI RIVER TRIBUTARIES
(NIOBRARA TO THE PLATTE)

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	
		NORWEGIAN BOW CREEK AT HARTINGTON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-31-2 E.					<u>DEER CREEK</u>			
3-4	3.18	8-28	2.52					DEER CREEK NEAR MASKELL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27-32-4 E.		
		EAST BOW CREEK NEAR ST. JAMES SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-31-2 E.			8-28	0.06				
3-4	9.62	3-26	10.1	7-23	9.65			<u>WALNUT CREEK</u>		
		WEST BOW CREEK NEAR CROFTON NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11-31-2 W.					WALNUT CREEK NEAR MASKELL NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-34-4 E.			
3-3	1.14	8-28	1.20			8-28	0.07			
		WEST BOW CREEK NEAR FORDYCE NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3-31-1 W.							<u>TURKEY CREEK</u>	
3-3	3.04	3-26	3.04	7-23	2.29			TURKEY CREEK NEAR MASKELL NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-31-4 E.		
		WEST BOW CREEK, TRIB., NEAR FORDYCE NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 25-32-1 W.			3-3	0.52	8-28	0.21		
4-28	0.07							<u>AOWA CREEK</u>		
		<u>AMES CREEK</u>					AOWA CREEK NEAR NEWCASTLE NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 25-31-4 E.			
		AMES CREEK NEAR OBERT NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 25-32-3 E.			3-3	0.02	9-1	0.0		
3-3	0.96							POWDER CREEK NEAR NEWCASTLE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2-30-5 E.		
		AMES CREEK NEAR OBERT SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 24-32-3 E.			9-1	0.53				
7-23	0.00							SILVER CREEK NEAR PONCA NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-30-6 E.		
		<u>LIME CREEK</u>			9-1	0.015				
		LIME CREEK NEAR MASKELL SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-32-4 E.					AOWA CREEK NEAR PONCA NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22-30-6 E.			
3-3	4.0					3-3	16.1	4-16	15.8	
		LIME CREEK NEAR MASKELL SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-32-4 E.							9-1	8.42
8-28	2.22							DAILY BRANCH CREEK NEAR MARTINSBURG SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-29-5 E.		
						9-1	2.12			
								SOUTH CREEK NEAR PONCA NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-30-6 E.		
						3-3	13.9	4-16	12.6	
								9-1	7.18	

MISSOURI RIVER TRIBUTARIES
(NIOBRARA TO THE PLATTE)

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>ELK CREEK</u>						<u>WOOD CREEK</u>					
ELK CREEK NEAR ALLEN SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-28-6 E.						WOOD CREEK NEAR DECATUR SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 26-24-10 E.					
3-3	0.34	9-1	0.15			3-4	0.19	9-3	0.0		
OTTER CREEK NEAR WILLIS NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-28-6 E.						<u>TEKAMAH CREEK</u>					
8-10	1.31					TEKAMAH CREEK NEAR CRAIG NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 16-21-10 E.					
MINNOW CREEK NEAR WILLIS NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2-18-6 E.						3-3	0.17	8-27	0.01		
8-10	1.00					MUD CREEK NEAR TEKAMAH NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-21-11 E.					
ELK CREEK NEAR WILLIS NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-28-6 E.						4-8	0.003	8-27	0.007		
8-10	2.82					<u>COMBINATION DITCH</u>					
ELK CREEK NEAR JACKSON NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-29-7 E.						COMBINATION DITCH NEAR DECATUR SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-22-11 E.					
8-10	4.02					3-4	0.0				
<u>OMAHA CREEK</u>						COMBINATION DITCH NEAR TEKAMAH SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-21-11 E.					
OMAHA CREEK NEAR WALTHILL NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-25-8 E.						3-4	0.31				
10-21	3.88					COMBINATION DITCH NEAR HERMAN NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-20-11 E.					
OMAHA CREEK NEAR WALTHILL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-26-8 E.						6-10	0.0				
3-4	5.1	6-10	1.87	8-24	1.22	SILVER CREEK (PETERSON DITCH NO. 1) NEAR TEKAMAH NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 16-21-11 E.					
PIGEON CREEK NEAR HUBBARD NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-28-7 E.						4-8	0.86	9-3	0.17		
3-4	0.74	8-10	0.03			<u>NEW YORK CREEK</u>					
PIGEON CREEK NEAR HOMER N $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-27-8 E.						NEW YORK CREEK NEAR HERMAN SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32-20-11 E.					
10-21	1.84	3-4	1.48	8-10	0.0	2-23	1.32	9-29	0.49		
						DAVIS CREEK NEAR HERMAN SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 24-20-10 E.					
						4-8	0.11	8-27	0.01		

MISSOURI RIVER TRIBUTARIES
(NIOBRARA TO THE PLATTE)

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1981

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
4-8	0.46				
8-27	0.25				
2-23	0.60	9-29	0.17		
4-8	0.05				
9-29	0.02				
2-23	3.37	9-29	0.00		
2-23	3.78	9-29	0.25		
2-23	0.77	9-29	0.00		
2-23	0.002	9-29	0.00		

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1981

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
2-23	0.83				
2-23	0.48				
2-24	14.3				
2-23	1.01				
2-24	1.96				
2-24	1.17				
2-24	0.42				
2-24	5.75				
2-25	41.2				

MISSOURI RIVER TRIBUTARIES
(NIOBRARA TO THE PLATTE)

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1981

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		PAPILLION CREEK, WEST, NORTH BRANCH, NEAR ELKHORN SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10-15-11 E.					
2-24	1.17						
		BOX ELDER CREEK NEAR MILLARD SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-15-11 E.					
2-24	0.48						
		PAPILLION CREEK, WEST, SOUTH BRANCH TRIB., NEAR PAPILLION SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 23-14-11 E.					
2-24	0.20						
		PAPILLION CREEK, WEST, SOUTH BRANCH, NEAR PAPILLION SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-14-12 E.					
2-24	2.61						
		HELL CREEK NEAR MILLARD NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-14-12 E.					
2-24	0.97						
		WALNUT CREEK NEAR PAPILLION SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-14-12 E.					
2-24	0.20						
		PAPILLION CREEK, WEST, NEAR BELLEVUE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-14-13 E.					
2-24	13.6						

NORTH PLATTE RIVER BASIN

MEASUREMENT OF STREAMS
Year Ending September 30, 1981

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
LANE DRAIN Sec. 30-23-57 W.							
10- 6	2.2	3-12	1.9	6-16	2.0	8-18	1.6
11-18	1.9	4-21	2.1	6-30	1.6	9- 1	1.5
12-16	2.2	5- 5	1.5	7-14	1.9	9-15	1.5
1-13	1.6	5-19	2.3	7-28	1.8	9-29	1.9
2-11	1.4	6- 2	1.1				
BALD DRAIN Sec. 32-23-56 W.							
10- 6	2.9	3-12	0.88	6- 2	0.0	8- 4	6.0
11-19	1.2	4-28	.0	6- 9	30.4	8-11	13.6
12-17	2.0	5- 5	.0	6-23	3.8	8-25	11.2
1-14	1.1	5-12	.0	7- 7	8.7	9- 8	20.8
2-13	1.7	5-19	1.9	7-21	15.8	9-22	16.1
FANNING SEEP Sec. 28-23-56 W.							
12-16	0.0	1-14	0.0	5- 5	0.0	9- 1	0.0
SCOTTSBLUFF DRAIN NO. 1 Sec. 25-22-55 W.							
10- 2	2.6	3-25	1.4	6-18	2.0	8-13	3.1
11- 4	2.0	4-15	1.0	7- 2	2.6	8-27	2.7
12-11	2.4	5- 6	1.9	7-16	2.1	9-10	2.5
1-23	2.7	5-21	2.2	7-30	3.0	9-24	3.1
2-13	2.5	6- 4	2.6				
SCOTTSBLUFF DRAIN NO. 2 Sec. 4-22-54 W.							
10- 1	5.5	3-17	2.3	6-18	3.3	8-13	4.8
11- 7	2.1	4-17	1.3	7- 2	3.9	8-27	3.8
12-10	2.4	5- 6	1.7	7-16	3.5	9-10	2.9
1-30	2.1	5-20	3.0	7-30	6.9	9-24	4.4
2-25	2.2	6- 4	3.3				
MELBETA DRAIN Sec. 13-21-54 W.							
10- 7	2.7	1-23	1.9	4- 9	0.0	4-23	0.0
11-12	2.0	2-19	1.8	4-16	.0	4-29	.0
12-24	1.8	3-16	1.3				

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1981

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
FAIRFIELD SEEP Sec. 18-21-53 W.							
10- 6	2.3	3- 9	0.0	6-10	0.94	8-20	1.8
11-12	1.6	4- 9	.0	6-25	.75	9- 3	1.2
12-10	1.2	4-30	.88	7- 9	1.2	9-17	1.5
1-30	.0	5-13	.81	7-23	2.2	9-30	2.3
2-17	.62	5-27	.80	8- 6	2.3		
ALLIANCE DRAIN Sec. 20-22-53 W.							
10- 7	19.1	3-17	5.0	6-11	6.0	8- 6	4.1
11-24	8.2	4-17	4.9	6-18	1.7	8-20	4.6
12-24	7.4	4-30	4.7	6- 9	3.1	9- 3	4.2
1-21	6.6	5-14	5.4	7-23	5.3	9-17	4.9
2-17	5.1	5-28	5.1				
CLEVELAND DRAIN Sec. 6-20-52 W.							
10- 2	13.3	12-11	1.3	2-19	0.93	4- 9	0.49
11-10	1.4	1-23	1.0	3-16	.75	4-30	7.1
DeGRAW DRAIN Sec. 24-20-51 W.							
10- 3	5.3	12-22	2.7	3-16	2.3	6-22	1.0
10-14	3.2	1- 5	3.3	3-30	2.1	7- 6	4.7
10-28	5.0	1-19	2.3	4-13	1.6	7-22	6.2
11-12	3.8	2- 2	2.4	4-28	1.2	8-10	7.9
11-25	3.6	2-17	4.0	5-11	2.1	8-28	7.3
12- 8	2.9	3- 2	2.4	5-29	1.2	9-28	7.4
INDIAN CREEK Sec. 19-20-50 W.							
10- 3	8.9	12-22	6.7	3-16	4.5	6-22	5.2
10-14	9.2	1- 5	5.5	3-30	4.7	7- 6	10.4
10-28	7.9	1-19	5.4	4-13	4.4	7-22	30.2
11-12	7.4	2- 2	5.2	4-28	3.5	8-10	36.4
11-25	6.8	2-17	5.1	5-11	3.6	8-28	25.6
12- 8	6.9	3- 2	4.8	5-29	11.0	9-28	34.2
SNAKE CREEK ABOVE KILPATRICK RESERVOIR Sec. 31-25-51 W.							
3- 4	1.9	5-21	2.4				
SNAKE CREEK BELOW KILPATRICK RESERVOIR Sec. 1-24-51 W.							
3- 4	0.0						

NORTH PLATTE RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981									
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.				
PUMPKIN CREEK ON GERING-KIMBALL HIWAY Sec. 4-19-55 W.						ASH HOLLOW CREEK NEAR LEWELLEN Sec. 3-15-42 W.									
11- 3	0.0	6-10	0.25			10- 2	0.0	12- 4	0.0	1- 6	0.0	2-20	0.0		
PUMPKIN CREEK AT MORRILL COUNTY-BANNER COUNTY LINE Sec. 25-19-53 W.						CLEAR CREEK Sec. 5-15-41 W.									
11- 3	0.61	6-10	1.3			10- 2	8.1	12-17	9.2	3-18	9.1	7-20	4.4		
PUMPKIN CREEK ABOVE HASS DAM Sec. 23-19-50 W.						OTTER CREEK NEAR LeMOYNE Sec. 32-16-40 W.									
8- 7	2.2					10-30	20.3	1-14	19.3	4-15	21.0	8-28	19.5		
GREENWOOD CREEK Sec. 26-19-50 W.						SAND CREEK Sec. 34-16-40 W.									
10- 1	0.0	2-17	4.2	5-13	3.0	8-19	0.0	11-18	19.7	6-22	19.0	9-28	21.1		
10- 8	.35	3- 2	5.2	6-10	.03	9-16	.0	3-18	20.5	7-20	20.6				
12-10	2.4	4-13	4.6	7-15	.0	9-30	.0								
1- 5	3.8							CEDAR CREEK BELOW RADCLIFFE CANAL NO. 1 Sec. 28-18-48 W.							
7-10	1.1					10-22	5.9	1-14	3.6	4-15	3.4	8-28	3.4		
COLD WATER CREEK BELOW LISCO CANAL Sec. 34-18-46 W.						LONERGAN CREEK NEAR LeMOYNE Sec. 17-15-39 W.									
10-21	3.9	1-27	3.8	5-11	3.6	6-29	0.08	10-22	4.5	1-14	5.9	4-15	4.7	8-28	5.9
11-14	4.1	2-19	4.1	5-26	3.8	8-27	3.7	11-18	6.3	2-20	5.6	6-22	4.8	9-28	5.4
12- 3	3.8	3-12	4.0	6- 2	3.7	9- 1	3.6	12-17	4.7	3-18	5.4	7-20	6.2		
12-16	4.0	3-31	4.2	6- 9	3.4	9-15	3.4	SUTHERLAND POND DRAIN AT KEYSTONE Sec. 1-14-38 W.							
1- 6	4.4	4-20	4.6	6-16	3.6	9-29	3.7	10- 1	6.9	1-15	3.4	4-24	3.9	7- 7	7.4
1-15	4.2	4-28	3.7	6-23	3.5			11-17	3.0	2-17	4.2	5-12	6.2	8- 4	6.0
RUSH CREEK NEAR LISCO Sec. 17-17-45 W.						WHITE TAIL CREEK Sec. 36-15-38 W.									
11- 4	0.0	2-18	2.2	6- 9	0.51	8-18	1.0	12-11	3.9	3-27	4.4	6- 9	5.3	9- 2	6.2
12- 3	.83	4-20	4.2	7-15	.0	9-28	.39								
1- 6	1.2	5-11	2.4					10- 1	25.2	2-17	30.7	5-27	27.8	7-21	23.1
LOST CREEK NORTH OF OSHKOSH Sec. 26-17-44 W.						SUTHERLAND POND DRAIN AT KEYSTONE Sec. 1-14-38 W.									
11- 4	0.0	2-18	0.0	5-11	0.0	8-28	0.0	10-21	27.3	3-27	34.1	6- 9	26.2	8-18	25.2
12-10	.0	3- 6	.0	6-22	.0	9-28	.0	11-17	27.9	4-24	21.6	6-23	30.2	9- 9	25.9
1- 6	.0	4-20	.0	7-20	.0			12-11	25.1	5-12	24.1	7- 7	2.3	9-22	20.6
								1-15	26.1						

NORTH PLATTE RIVER BASIN

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1981

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SKUNK CREEK Sec. 1-14-37 W.							
10- 1	1.4	2-17	4.2	5-27	2.4	7-21	0.04
10-21	1.7	3-27	2.4	6- 9	2.3	8-18	2.9
11-17	2.5	4-24	2.0	6-23	2.1	9- 9	2.4
12-11	2.6	5-12	2.5	7- 7	1.9	9-22	2.1
1-15	2.3						
GRAVEL CREEK Sec. 9-14-36 W.							
10- 1	2.4	2-17	3.5	5-27	3.2	7-21	3.0
10-21	2.8	3-27	2.4	6- 9	2.1	8-18	2.4
11-17	2.3	4-24	2.7	6-23	1.7	9- 9	2.2
12-11	2.2	5-12	3.0	7- 7	2.1	9-22	1.8
1-15	2.4						
SARBEN SLOUGH Sec. 20-14-35 W.							
10-20	4.6	2-17	5.5	5-27	14.2	7-21	4.1
11-25	5.0	3-27	4.6	6- 9	4.9	8-19	7.3
12-11	4.9	4-24	4.1	6-23	5.0	9-10	3.6
1-15	4.5	5-12	4.9	7- 7	3.8	9-22	4.2
CEDAR BRANCH NEAR NEVINS Sec. 17-14-35 W.							
10-20	1.8	2-17	2.5	5-27	2.0	7-21	2.2
11-25	1.5	3-27	1.6	6- 9	1.5	8-18	2.1
12-11	1.8	4-24	1.2	6-23	1.4	9-10	1.6
1-15	1.9	5-12	1.6	7- 7	2.2	9-22	1.3
KEITH-LINCOLN COUNTY DRAIN NO. 2 Sec. 24-14-35 W.							
10-20	0.05	2-17	0.0	6- 9	0.02	8-18	1.3
11-25	.03	4-24	.0	6-23	.08	9-10	.52
12-11	.08	5-12	.0	7- 7	.06	9-22	.07
1-15	.0	5-27	.0	7-21	.23		
LINCOLN COUNTY DRAIN NO. 2 Sec. 12-14-33 W.							
11-25	0.84	3-25	0.65	6-10	1.2	8-19	1.8
12-11	.80	4-23	.98	6-24	1.0	9-10	1.3
1-15	.86	5-13	.99	7- 8	.58	9-23	1.7
2-18	.72	5-28	2.8	7-21	7.0		

SOUTH PLATTE RIVER BASIN
(LOGGEPOL E CREEK)

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981				MEASUREMENT OF STREAMS Year Ending September 30, 1981							
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.				
LOGGEPOL E CREEK AT SIDNEY BRIDGE ON HIWAY 19 Sec. 5-13-49 W.				LOGGEPOL E CREEK AT WYOMING-NEBRASKA STATE LINE Sec. 11-14-59 W.							
7- 6	0.0			5- 8	0.0						
LOGGEPOL E CREEK ABOVE KRUEGER LAKE Sec. 31-14-48 W.				LOGGEPOL E CREEK AT 5-FOOT WEIR Sec. 31-15-56 W.							
10-10	0.0	5-14	1.63	7- 7	0.10	11-25	0.55	1-19	0.60	3-24	1.06
LOGGEPOL E CREEK BELOW KRUEGER LAKE Sec. 29-14-48 W.				LOGGEPOL E CREEK NEAR KIMBALL Sec. 28-15-55 W.							
5-14	0.25	7- 7	0.0	10-10	.53	12- 5	.62	2- 2	.87	4- 6	1.32
LOGGEPOL E CREEK NEAR SUNOL Sec. 36-14-48 W.				LOGGEPOL E CREEK ABOVE BENNETT RESERVOIR Sec. 29-15-55 W.							
7- 7	0.0			10-23	.42	12-18	.64	2-17	1.09	4-16	1.78
LOGGEPOL E CREEK SOUTHEAST OF LOGGEPOL E Sec. 32-14-46 W.				LOGGEPOL E CREEK BELOW BENNETT RESERVOIR Sec. 22-15-55 W.							
7- 7	0.0			10-30	.50	12-30	.69	2-27	.96	4-28	2.07
LOGGEPOL E CREEK NEAR CHAPPELL Sec. 21-13-45 W.				LOGGEPOL E CREEK NEAR DIX Sec. 27-15-54 W.							
7- 7	0.0			11-12	.67	1- 9	.56				
LOGGEPOL E CREEK AT RALTON Sec. 12-12-45 W.				LOGGEPOL E CREEK NEAR POTTER Sec. 6-14-52 W.							
7- 7	0.0			7- 6	83.2	8-24	4.44				
				LOGGEPOL E CREEK SOUTH OF BROWNSON Sec. 19-14-50 W.							
				10-30	1.89	7-23	0.83				
				7- 6	59.6						
				7- 6	0.0						
				7- 6	0.0						
				10- 1	0.0	12-30	0.0	5- 8	0.0	7- 6	0.0
				10-10	.0	4- 6	.0	6- 2	.0		
				LOGGEPOL E CREEK AT SIDNEY CITY PARK Sec. 6-13-49 W.							
				10- 1	0.0	12-30	0.0	5- 8	0.0	7- 6	0.0
				10-10	.0	4- 6	.25	6- 2	.0		

SOUTH PLATTE RIVER BASIN
(SOUTH PLATTE RIVER)

MEASUREMENT OF STREAMS
Year Ending September 30, 1981

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SOUTH PLATTE RIVER AT ROSCOE Sec. 4-13-37 W.							
10-22	69.6	1-14	682.	4-15	374.	7-22	23.6
11-18	234.	2-11	281.	5-13	261.	8-19	45.6
12-17	421.	3-18	446.	6-17	617.	9-23	6.32
FREMONT SLOUGH ON HIGHWAY 83 Sec. 16-13-30 W.							
10- 2	15.1	11-21	19.4	1-28	24.5	3-26	22.7
10-17	15.3	12-24	17.8	2-24	26.5	4-29	23.5
FREMONT SLOUGH Sec. 17-13-29 W.							
10- 2	2.2	2-24	6.0	5-29	7.0	7-23	7.2
10-17	2.9	3-26	5.9	6-12	5.1	8-20	7.2
11-21	5.2	4-29	5.9	6-25	5.9	9-11	4.4
12-23	7.9	5-14	6.2	7- 9	5.8	9-24	4.0
1-28	6.7						

PLATTE RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1981						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981									
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.				
<u>PLATTE, BRANCH CONFLUENCE TO LOUP</u>						<u>DAWSON COUNTY DRAIN NO. 2 NEAR DARR Sec. 25-10-23 W.</u>									
<u>AIRPORT DRAIN Sec. 7-13-29 W.</u>						11-14	3.0	1-20	6.3	2-19	3.2	4-24	3.8		
10-2	15.4	2-25	15.9	5-29	19.3	<u>STREVER CREEK SOUTH OF OVERTON Sec. 1-8-20 W.</u>									
10-17	16.4	3-26	15.5	6-11	17.1	8-20	20.4	<u>BUFFALO CREEK NEAR ELM CREEK Sec. 5-8-18 W.</u>							
11-21	15.5	4-29	17.7	6-25	22.1	9-11	17.7	11-12	0.0	2-19	0.0	3-20	0.0	4-24	5.5
12-24	18.5	5-14	17.6	7-9	29.0	9-24	16.6	<u>ELM CREEK NEAR ELM CREEK Sec. 33-9-18 W.</u>							
1-28	15.5	<u>FLOCK DRAIN Sec. 8-13-29 W.</u>						11-12	0.0	3-20	0.0	4-24	0.0	4-29	38.7
10-2	3.3	2-24	3.1	5-27	4.6	7-23	7.8	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 4-15-5 W.</u>							
10-17	2.8	3-26	3.0	6-12	6.0	8-20	7.8	6-19	1.63	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 26-16-5 W.</u>					
11-21	2.2	4-29	3.9	6-25	6.6	9-11	4.4	<u>PRAIRIE CREEK NEAR FULLERTON NW$\frac{1}{4}$NW$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
12-24	4.8	5-14	5.5	7-9	8.4	9-24	4.5	6-19	0.04	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>					
1-28	3.7	<u>WHITE HORSE CREEK Sec. 5-13-29 W.</u>						6-19	0.0	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>					
10-2	3.7	2-25	21.0	5-29	30.4	7-23	5.3	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
10-17	9.9	3-26	16.5	6-11	8.6	8-20	11.6	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
11-21	14.6	4-29	12.5	6-25	4.8	9-11	4.9	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
12-23	10.0	5-14	32.7	7-9	2.1	9-24	3.6	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
1-21	17.8	<u>BULL DRAIN NEAR MAXWELL Sec. 20-13-28 W.</u>						<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
10-2	1.9	2-25	3.4	5-26	2.5	7-23	2.1	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
10-17	2.2	3-26	3.0	6-11	1.8	8-20	2.4	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
11-21	2.4	4-29	2.2	6-25	2.0	9-11	1.9	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
12-23	1.9	5-14	3.3	7-9	1.8	9-24	1.6	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
1-21	2.6	<u>PAWNEE CREEK Sec. 4-12-27 W.</u>						6-19	0.0	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>					
1-8	11.7	4-24	10.7	6-16	6.2	8-25	6.3	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
2-18	19.1	5-15	10.5	6-30	7.1	9-8	6.4	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
3-19	9.2	5-26	9.7	8-12	9.6	<u>SHELDON DRAIN Sec. 14-11-26 W.</u>									
1-8	7.3	4-24	0.0	6-3	6.6	8-25	9.5	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
2-18	7.0	4-27	7.8	6-16	4.8	9-8	7.9	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>							
3-19	5.3	5-15	7.8	6-30	6.4	<u>PRAIRIE CREEK NEAR FULLERTON NE$\frac{1}{2}$NE$\frac{1}{4}$ Sec. 25-16-5 W.</u>									

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF STREAMS Year Ending September 30, 1981					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981						
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.		
		<u>MIDDLE LOUP RIVER, SOUTH LOUP TO NORTH LOUP</u>					<u>DAVIS CREEK NEAR COTESFIELD</u> NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 33-17-12 W.				
		TURKEY CREEK NEAR DANNEBROG NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 28-14-11 W.			6-15	2.81	FISH CREEK NEAR COTESFIELD NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 7-16-11 W.				
7-15	5.11	<u>NORTH LOUP RIVER</u>			6-11	0.1	NORTH LOUP RIVER, TRIB. TO, NEAR COTESFIELD NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 18-16-11 W.				
		NORTH LOUP RIVER, TRIB. TO, NEAR ELYRIA SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 5-20-15 W.			6-15	0.0	MOFFET CREEK NEAR COTESFIELD NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 27-16-11 W.				
6-15	0.02	TURTLE CREEK NEAR ELYRIA NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 31-20-14 W.			6-11	0.07	MUNSEN CREEK NEAR ELBA SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 28-16-11 W.				
6-15	2.65	DANE CREEK NEAR ORD NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 20-19-14 W.			6-15	0.73	NORTH LOUP RIVER, TRIB. TO, NEAR ST. PAUL SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 18-15-10 W.				
4-3	0.0	5-22	0.0	NORTH LOUP RIVER, TRIB. TO, NEAR NORTH LOUP NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 11-18-13 W.			6-11	0.52	CEDAR CREEK, EAST OF ELBA SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 8-15-10 W.		
6-15	0.10	STEWART CREEK NEAR NORTH LOUP SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 23-18-13 W.			6-11	0.0	CADY CREEK NEAR ST. PAUL NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 14-15-10 W.				
6-11	0.0	SHEPARD CREEK NEAR NORTH LOUP NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 30-18-12 W.			6-12	0.0	NORTH LOUP RIVER, TRIB. TO, NEAR CUSHING NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 7-15-9 W.				
6-11	0.0	NORTH LOUP RIVER, TRIB. TO, NEAR SCOTIA SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 7-17-12 W.			6-12	0.0	<u>LOWER LOUP RIVER</u>				
6-15	0.0	WALLACE CREEK NEAR SCOTIA SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 9-17-12 W.			6-12	0.0	SPRING CREEK, TRIB. TO, NEAR CUSHING SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 8-15-9 W.				
6-11	0.1	NORTH LOUP RIVER, TRIB. TO, NEAR SCOTIA SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 21-17-12 W.									
6-15	0.0										

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981							
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.			
		SPRING CREEK NEAR CUSHING SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-15-9 W.					LOWER LOUP BELOW THE CEDAR RIVER					
6-12	4.3					BEAVER CREEK NEAR BARTLETT ² SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12-23-11 W.						
		ROCK CREEK NEAR CUSHING NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 7-15-8 W.			10-28	0.24	1-14	0.33	4-22	0.30	7-17	0
6-12	0.10				11-18	0.27	2-16	0.45	5-26	0.36	8-18	0
		COTTONWOOD CREEK NEAR PALMER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-15-8 W.			12-15	0.34	3-16	0.26	6-25	0	9-16	0
6-12	0.0						BEAVER CREEK ² SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-23-10 W.					
		HORSE CREEK NEAR FULLERTON SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 33-16-7 W.			10-28	1.7	1-14	2.4	4-22	3.0	7-17	0.86
6-12	0.1				11-18	2.1	2-16	2.7	5-26	2.8	8-18	3.7
		COLT CREEK NEAR FULLERTON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-16-7 W.			12-15	2.4	3-16	3.4	6-25	1.2	9-16	1.7
6-12	0.0						BEAVER CREEK ² SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-23-9 W.					
		MARE CREEK NEAR FULLERTON NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-16-7 W.			10-28	5.0	1-14	5.4	4-22	7.0	7-17	3.6
6-12	0.0				11-18	5.2	2-16	7.2	5-26	6.9	8-18	7.8
		LOUP RIVER, TRIB. TO, NEAR FULLERTON SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 20-16-6 W.			12-15	5.3	3-16	6.8	6-25	4.6	9-16	5.0
6-12	0.0						BEAVER CREEK ² SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-23-9 W.					
					10-28	9.8	1-14	9.2	4-22	12.2	7-17	7.0
					11-18	8.8	2-16	19.2	5-26	11.9	8-18	12.6
					12-15	10.6	3-16	11.4	6-25	9.1	9-16	9.3
							BEAVER CREEK NEAR RAEVILLE ² W $\frac{1}{2}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-22-8 W.					
					10-28	15.9	1-14	18.2	4-22	24.6	7-17	11.0
					11-18	15.5	2-16	28.4	5-26	19.3	8-18	19.4
					12-15	18.2	3-16	19.2	6-25	14.7	9-16	15.5
							BEAVER CREEK NEAR PETERSBURG ² W $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-22-8 W.					
					10-28	32.6	1-14	30.1	4-22	45.7	7-17	19.1
					11-18	30.0	2-16	40.7	5-26	32.7	8-18	29.8
					12-15	40.2	3-16	34.2	6-25	28.4	9-16	26.1
							BEAVER CREEK ² E $\frac{1}{2}$ Sec. 31-22-7 W.					
					10-28	38.3	1-14	36.2	4-22	55.1	7-17	25.5
					11-18	34.3	2-16	57.8	5-26	38.4	8-18	35.6
					12-15	44.9	3-16	40.4	6-25	32.4	9-16	30.4

PLATTE RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1981				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>PLATTE RIVER, LOUP TO ELKHORN</u>				SHELL CREEK NEAR LINDSAY SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 18-20-3 W.					
4-8	0.36	9-17	0.00	3-9	0.00	7-22	0.00		
4-16	19.4	9-17	9.72	2-26	5.81	4-14	4.7	6-9	3.87
4-16	1.51	9-17	1.69	6-30	0.00	SHELL CREEK NEAR PLATTE CENTER NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 29-18-1 W.			
4-16	23.8	9-22	19.0	6-30	12.2	7-22	15.6	LOST CREEK AT COLUMBUS NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 27-17-1 E.	
4-16	0.45	9-17	0.49	10-6	10.4	4-14	3.8	6-9	12.8
3-10	0.16	3-10	0.12	2-26	4.46	5-6	12.0	6-30	6.25
4-16	0.92	9-22	0.05	3-10	2.48	9-22	1.23	7-22	7.51
9-22	0.05	9-22	1.25	3-2	0.32	9-29	0.00	8-27	12.7
3-10	0.15	9-22	0.015	3-2	0.35	9-29	0.00	SKULL CREEK NEAR LINWOOD NE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 26-17-4 E.	
BONE CREEK NEAR OCTAVIA NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 35-17-3 E.				ELM CREEK NEAR CEDAR BLUFFS NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 34-17-8 E.					
				OTOE CREEK NEAR LESHARA SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 26-16-9 E.					
				OTOE CREEK NEAR YUTAN NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 23-15-9 E.					

PLATTE RIVER BASIN
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MEASUREMENT OF STREAMS Year Ending September 30, 1981						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>UPPER ELKHORN</u>											
ELKHORN RIVER, NORTH BRANCH, NEAR NEWPORT SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-31-17 W.						DRY CREEK NEAR AMELIA SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-27-14 W.					
4-27	0.0					3-11	0.00				
ELKHORN RIVER, NORTH BRANCH, ABOVE HIGHWAY 137 BRIDGE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-31-17 W.						DRY CREEK, NORTH BRANCH, NEAR AMELIA SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-27-14 W.					
4-27	0.0					3-11	0.54				
ELKHORN RIVER NEAR NEWPORT NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-30-17 W.						DRY CREEK NEAR AMELIA SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-27-14 W.					
3-11	2.50					3-11	0.00	7-15	0.00		
ELKHORN RIVER NEAR STUART SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-30-16 W.						DRY CREEK NEAR O'NEILL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-28-11 W.					
10-20	0.01	3-11	0.80	7-15	0.16	10-20	4.65	3-11	7.01	7-14	7.65
ELKHORN RIVER NEAR STUART SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-30-16 W.						WILLOW SWAMP CREEK NEAR EWING SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13-27-10 W.					
10-20	0.00					3-10	1.68	7-15	1.34		
ELKHORN RIVER, NORTH BRANCH, NEAR STUART SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-31-16 W.						ELKHORN RIVER, SOUTH FORK, NEAR CHAMBERS NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-26-11 W.					
10-20	0.0	7-15	0.0			10-20	0.00	3-10	3.97	7-14	0.52
ELKHORN RIVER NEAR STUART NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 7-30-15 W.						ELKHORN RIVER, SOUTH FORK, NEAR CHAMBERS NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-26-11 W.					
10-20	4.84					10-20	0.00	7-14	0.00		
KEEGAN CREEK NEAR STUART SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 20-30-15 W.						ELKHORN RIVER, SOUTH FORK BRANCH, NEAR GOOSE LAKE NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-25-11 W.					
10-20	0.0	7-15	0.0			3-10	0.00				
DRY CREEK NEAR ATKINSON NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-29-14 W.						CACHE CREEK NEAR GOOSE LAKE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-25-11 W.					
10-20	0.0	3-11	0.0	7-15	0.0	10-20	0.00	3-10	0.00	7-14	0.00
HOLT CREEK NEAR ATKINSON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 28-28-14 W.						CACHE CREEK NEAR GOOSE LAKE NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 29-25-11 W.					
3-11	5.27	7-15	2.43			3-10	0.75				

PLATTE RIVER BASIN
(ELKHORN RIVER)

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Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		CACHE CREEK NEAR EWING SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13-26-9 W.					AL HOPKINS CREEK NEAR TILDEN NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-24-5 W.				
10-21	5.84	2-23	12.6	7-15 3.09	3-11	0.31	7-7	0.23			
		CLEARWATER CREEK NEAR CLEARWATER NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-35-8 W.					DRY CREEK NEAR TILDEN NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 21-24-4 W.				
3-10	15.0	7-14	4.44		5-21	0.21	8-25	0.11			
		ANTELOPE CREEK NEAR NELIGH NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-25-7 W.					BUFFALO CREEK AT MEADOW GROVE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 26-24-4 W.				
3-11	0.06				10-9	1.86	2-23	2.66	7-7 1.80		
		ANTELOPE CREEK NEAR NELIGH SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-25-7 W.					DEER CREEK NEAR MEADOW GROVE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-24-3 W.				
7-7	0.00				10-20	1.51	2-23	2.32	7-7 0.69		
		ANTELOPE CREEK NEAR NELIGH NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-25-7 W.					BATTLE CREEK NEAR BATTLE CREEK SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-23-3 W.				
10-9	0.00				1-27	0.00					
		HALL CREEK AT NELIGH NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-25-6 W.					BATTLE CREEK NEAR BATTLE CREEK NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35-23-3 W.				
10-21	0.00	2-23	0.00		5-21	0.003	6-22	0.92	9-23 0.00		
		BELMAR CREEK AT NELIGH NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-25-6 W.					BATTLE CREEK NEAR BATTLE CREEK SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-24-2 W.				
10-21	0.11	2-23	0.08	7-7 0.03	10-21	9.76	2-18	12.3	5-5 12.3	8-25 10.7	
		CEDAR CREEK NEAR OAKDALE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12-24-6 W.			1-27	11.2	4-10	12.3	7-7 10.2	9-23 9.58	
10-21	10.0	2-23	14.9	7-7 7.24			ELKHORN RIVER, TRIB., NEAR BATTLE CREEK NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-24-2 W.				
		IVES CREEK NEAR TILDEN NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15-24-5 W.			4-10	1.81	7-7	0.53	9-23 0.62		
10-21	0.00	2-23	0.29	7-7 0.23			ELKHORN RIVER, TRIB., NEAR NORFOLK SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-23-1 W.				
		GILES CREEK NEAR TILDEN SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13-24-5 W.			4-10	0.32	7-7	0.04	9-23 0.04		
10-21	0.91	2-23	1.39	7-7 1.27			ELKHORN RIVER, TRIB., NEAR NORFOLK SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-23-1 W.				
					4-10	0.62	7-7	0.00	9-23 0.00		

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		MERIDIAN CREEK NEAR MADISON SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 7-21-1 E.						SAND CREEK NEAR WISNER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-24-4 E.						
10-2	0.05					5-22	0.002	7-8	0.00					
		MERIDIAN CREEK NEAR MADISON SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-12-1 W.						ROCK CREEK NEAR BEEMER SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33-23-5 E.						
3-2	0.62	7-23	0.65			10-2	6.31	2-26	8.62	7-8	7.55			
		BUTTERFLY CREEK NEAR STANTON SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-23-2 E.						PLUM CREEK NEAR WISNER NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2-23-5 E.						
3-2	0.00	7-23	0.00	9-24	0.00	2-26	2.20	7-8	0.80					
		MESKENTHINE CREEK AT STANTON SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 20-23-2 E.						PLUM CREEK NEAR WEST POINT SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-22-6 E.						
3-2	0.00	7-8	0.00			10-2	1.39							
		INDIAN CREEK NEAR STANTON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-23-2 E.						PLUM CREEK NEAR BEEMER SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-22-6 E.						
3-2	0.06	7-8	0.00			2-26	3.28	5-6	2.45	7-8	1.45	8-31	1.62	
		CEDAR CREEK NEAR STANTON NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-23-3 E.						4-7	3.00	6-9	1.50			
3-2	0.13	7-23	0.00					ELKHORN RIVER, TRIB., NEAR WEST POINT NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-21-6 E.						
		PAYNE CREEK NEAR STANTON SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-23-2 E.						5-22	0.11	7-8	0.07			
10-2	0.00	3-26	0.00	5-5	0.00	7-8	0.00			ELKHORN RIVER, TRIB., NEAR WEST POINT NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-21-6 E.				
2-19	.03	4-26	.00	6-4	.00	8-19	.00	5-22	0.00	7-8	0.00			
		HUMBUG CREEK NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 1-24-2 E.								COFFEE CREEK NEAR WEST POINT SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28-21-6 E.				
3-2	1.00							5-22	0.04	7-8	0.02			
		HUMBUG CREEK NEAR PILGER SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-24-3 E.								CUMING CREEK NEAR BEEMER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 30-23-7 E.				
7-8	0.10							2-27	0.00	7-8	0.22			
		HUMBUG CREEK NEAR PILGER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28-24-3 E.								CUMING CREEK NEAR WEST POINT NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11-21-7 E.				
10-2	0.68	3-26	1.20	5-5	1.65	7-8	0.36							
3-2	1.62	4-16	1.85	6-4	1.44	8-19	.72	2-26	0.07					

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		CUMING CREEK NEAR SCRIBNER SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 29-20-7 E.						DEER CREEK, TRIB., NEAR WAYNE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 8-26-3 E.							
10-6	0.54	5-14	0.45	7-7	3.34	8-31	0.67	2-24	1.20						
4-31	.00	6-8	.08												
		<u>LOGAN CREEK</u>						DEER CREEK, TRIB. TO, NEAR WAYNE NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 17-26-3 E.							
		MIDDLE LOGAN CREEK NEAR LAUREL SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 6-28-3 E.						8-19	0.11						
8-28	1.15									DEER CREEK NEAR WAYNE SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 10-26-3 E.					
		MIDDLE LOGAN CREEK NEAR LAUREL SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 32-29-3 E.						2-24	4.10	4-16	1.0	8-19	0.76		
3-4	5.69	4-16	5.86							SOUTH LOGAN CREEK AT WAYNE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 18-26-4 E.					
		PERRIN CREEK NEAR LAUREL SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 30-29-3 E.						10-6	1.19	3-26	2.89	5-5	5.95	8-19	0.68
3-4	3.76	4-16	4.23	8-28	3.54			2-19	8.5	4-16	1.81	6-4	5.83		
		BAKER CREEK NEAR LAUREL SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 13-28-3 E.									DOG CREEK NEAR WAYNE SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 26-27-3 E.				
3-4	0.22	8-28	0.00					2-24	3.79	4-16	4.18	8-19	3.03		
		LOGAN CREEK, TRIB. TO, NEAR LAUREL SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 36-29-3 E.									SOUTH LOGAN CREEK NEAR WAKEFIELD SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 31-27-5 E.				
8-28	0.10							6-10	8.44	9-1	6.85				
		LOGAN CREEK, TRIB., NEAR DIXON NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 7-28-4 E.									MIDDLE CREEK NEAR PENDER SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 10-25-6 E.				
3-4	0.00							6-10	0.10	8-31	0.02				
		LOGAN CREEK, TRIB., NEAR DIXON SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 8-28-4 E.									LITTLE LOGAN CREEK NEAR LYONS NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 17-23-8 E.				
3-4	0.00							6-9	0.00						
		LOGAN CREEK, TRIB., NEAR CONCORD NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 28-28-4 E.									LITTLE LOGAN CREEK, TRIB. NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 32-23-8 E.				
9-1	0.01							6-9	0.00						
		SOUTH LOGAN CREEK NEAR WINSIDE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 33-26-3 E.									LITTLE LOGAN CREEK NEAR LYONS SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 34-23-8 E.				
2-24	1.37	8-19	0.59					6-9	0.03	8-26	0.30				

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<u>LOWER ELKHORN</u>						BELL CREEK NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 11-29-9 E.							
CLARK CREEK NEAR WINSLOW NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19-19-9 E.						7-16	1.31	7-16	0.46				
4-7	0.26	7-7	0.00			BELL CREEK NEAR TALBASTA NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-19-9 E.							
MIDDLE MAPLE CREEK AT CLARKSON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-20-3 E.						10-6	0.82	6-9	1.71	7-9	1.05	7-16	0.87
10-2	0.00	2-26	1.75	5-6	0.17	4-8	4.86	7-7	2.28	7-16	.40	8-27	1.49
2-19	3.74	4-14	.39	6-9	.00	4-30	.00	BELL CREEK NEAR FONTANELLE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-18-9 E.					
DRY CREEK AT ROGERS SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-18-4 E.						10-6	2.58						
5-15	0.00	7-22	0.00			LITTLE BELL CREEK NEAR FONTANELLE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 7-18-10 E.							
MIDDLE MAPLE CREEK NEAR ROGERS NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 14-18-4 E.						6-9	0.06	7-7	0.03				
2-26	1.02	5-15	0.00	7-22	0.00	BELL CREEK NEAR ARLINGTON NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-17-10 E.							
MAPLE CREEK, EAST FORK, NEAR HOWELLS NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17-20-4 E.						6-9	1.90	7-7	0.43				
7-22	0.56					RAWHIDE CREEK NEAR FREMONT SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 16-17-9 E.							
EAST MAPLE CREEK NEAR ROGERS NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-18-4 E.						5-14	0.00	7-8	0.00				
2-26	0.84					RAWHIDE CREEK NEAR VALLEY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-17-10 E.							
MAPLE CREEK NEAR HOWELLS NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-18-4 E.						5-14	1.33	7-8	0.58				
5-15	0.18					RAWHIDE CREEK NEAR VALLEY SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-16-10 E.							
MAPLE CREEK, EAST FORK, NEAR ROGERS NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-18-4 E.						10-29	0.00						
7-22	1.56					RAWHIDE CREEK AT HIGHWAY 36 SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-16-10 E.							
BELL CREEK NEAR CRAIG SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 11-21-4 E.						7-8	1.00	7-10	0.84				
3-4	3.2	7-16	0.39	8-27	0.68	RAWHIDE CREEK NEAR VALLEY NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-16-10 E.							
						7-10	4.54						

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RAWHIDE CREEK NEAR VALLEY NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-16-10 E.							
5-14	12.4	7-8	1.06				
BIG SLOUGH NEAR KING LAKE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 28-16-10 E.							
5-14	4.73	7-8	1.68				

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Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
			SPRING BRANCH NEAR SPRAGUE NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 5-7-6 E.				BUTTES BRANCH NEAR VALPARAISO NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 22-13-5 E.		
10-15	0.27					2-26	1.26		
			SPRING BRANCH NEAR SPRAGUE SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 4-7-6 E.						NORTH OAK CREEK AT HIGHWAY 79 NEAR VALPARAISO SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 26-13-5 E.
2-25	0.25					6-29	1.45		
			SALT CREEK NEAR SPRAGUE NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 33-8-6 E.						NORTH OAK CREEK NEAR RAYMOND SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 2-12-5 E.
7-13	1.36					10-7	3.52		
			CARDWELL BRANCH NEAR LINCOLN SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 22-9-6 E.						WAGON TONGUE CREEK NEAR RAYMOND NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 4-12-5 E.
10-15	0.00					10-7	0.07		
			HAINES BRANCH NEAR LINCOLN NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 4-9-6 E.						WAGON TONGUE CREEK NEAR RAYMOND SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 3-12-5 E.
2-25	4.26					10-7	0.01	2-23	0.04
			MIDDLE CREEK, TRIB. TO, NEAR MILFORD SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 25-10-4 E.						OAK CREEK NEAR GARLAND SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 13-12-4 E.
4-17	0.03	9-10	0.00			4-16	2.49	9-10	0.63
			MIDDLE CREEK, NORTH BRANCH, NEAR PAWNEE LAKE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 31-11-5 E.						MIDDLE OAK CREEK NEAR GARLAND NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 22-12-4 E.
10-1	0.41	2-25	2.26			4-16	1.36	9-10	0.41
			MIDDLE CREEK NEAR LINCOLN NE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 28-10-6 E.						MIDDLE OAK CREEK, TRIB. TO, NEAR BRANCHED OAK LAKE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 25-12-4 E.
10-15	2.75	2-25	2.96			10-7	0.12		
			NORTH OAK CREEK NEAR TOUHY SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 32-14-5 E.						MIDDLE OAK CREEK, TRIB. TO, NEAR GARLAND SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 25-12-4 E.
6-29	2.1					4-16	0.56	9-10	0.27
			NORTH OAK CREEK NEAR VALPARAISO SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 9-13-5 E.						OAK CREEK NEAR BRANCHED OAK LAKE SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 18-12-5 E.
7-6	0.67					10-7	0.98		

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		OAK CREEK NEAR BRANCHED OAK LAKE NW¼NW¼ Sec. 34-12-5 E.					ROCK CREEK NEAR DAVEY SW¼NW¼ Sec. 4-12-7 E.		
10-7	0.06	6-22	3.96	6-25	3.35	6-30	6.44	2-23	6.40
10-9	3.39	6-23	3.01	6-26	2.94	7-6	6.20		
6-19	.29	6-24	1.86	6-29	2.35	7-24	2.43		
6-22	3.51	6-25	1.82	6-29	6.75				
		OAK CREEK NEAR BRANCHED OAK LAKE SW¼NE¼ Sec. 34-12-5 E.					ROCK CREEK, NORTH FORK, NEAR CERESCO SE¼SE¼ Sec. 36-13-7 E.		
10-7	0.00	2-25	5.62			9-29	0.37		
		OAK CREEK NEAR RAYMOND NW¼SW¼ Sec. 6-11-6 E.					ASH HOLLOW NEAR DAVEY SW¼SW¼ Sec. 4-12-7 E.		
10-7	1.20	2-25	6.29	6-29	1.13	2-23	0.00		
		ELK CREEK NEAR LINCOLN NW¼NW¼ Sec. 31-11-6 E.					ROCK CREEK NEAR WAVERLY NW¼NW¼ Sec. 34-12-8 E.		
10-1	0.54	2-25	1.53			2-23	9.51		
		WEST OAK CREEK NEAR LINCOLN SW¼SW¼ Sec. 30-11-6 E.					ROCK CREEK NEAR WAVERLY SW¼NE¼ Sec. 35-12-8 E.		
10-1	0.31	2-25	0.44			7-4	4.12		
		JORDAN CREEK NEAR WAVERLY NW¼NW¼ Sec. 18-11-8 E.					CAMP CREEK NEAR WAVERLY NW¼NW¼ Sec. 12-11-8 E.		
2-23	0.61					2-23	2.04		
		ROCK CREEK NEAR CERESCO SE¼SE¼ Sec. 15-13-6 E.					DEE CREEK NEAR GREENWOOD NE¼SE¼ Sec. 6-11-9 E.		
2-27	2.9					11-20	1.2	4-9	0.91
		ROCK CREEK, TRIB. TO, NEAR CERESCO NW¼NE¼ Sec. 35-13-6 E.					GREENWOOD CREEK NEAR GREENWOOD NE¼NW¼ Sec. 28-12-9 E.		
2-26	0.60					11-20	0.50	4-9	0.54
		ROCK CREEK NEAR DAVEY NW¼NW¼ Sec. 5-12-7 E.					ROBINSON BRANCH NEAR GREENWOOD SE¼SE¼ Sec. 18-2-9 E.		
10-9	3.99					11-20	0.54	4-9	0.62
								7-6	0.33
								CALLAHAN CREEK NEAR GREENWOOD SW¼SW¼ Sec. 15-12-9 E.	
						11-20	1.99	4-9	1.94

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			WAHOO CREEK, NORTH FORK SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 29-15-6 E.						SAND CREEK NEAR WAHOO SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-14-7 E.
2-26	1.48					3-2	6.45		
			WAHOO CREEK, TRIB. TO, NORTH FORK NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31-15-6 E.						WAHOO CREEK NEAR ITHACA SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-14-8 E.
2-26	2.60					7-6	19.0		
			WAHOO CREEK NEAR WESTON NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10-14-6 E.						MOSQUITO CREEK NEAR MEMPHIS SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-13-9 E.
2-26	1.6					3-2	0.14		
			MILLER BRANCH NEAR WAHOO NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-14-7 E.						SILVER CREEK NEAR WAHOO SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-15-8 E.
2-26	0.08					7-14	1.04		
			COTTONWOOD CREEK NEAR PRAGUE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-15-5 E.						SILVER CREEK NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28-14-8 E.
2-26	0.60					7-14	1.07		
			COTTONWOOD CREEK NEAR MULINO SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 16-15-6 E.						SILVER CREEK NEAR MEMPHIS SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-13-9 E.
2-26	1.08					7-6	3.33		
			SAND CREEK NEAR PRAGUE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-16-5 E.						JOHNSON CREEK NEAR MEMPHIS SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-14-9 E.
2-26	0.35					3-2	1.42		
			SPRING CREEK NEAR PRAGUE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23-16-2 E.						CLEAR CREEK NEAR ASHLAND SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-13-9 E.
3-2	0.3					3-2	9.22	7-6	5.90
			DUCK CREEK NEAR COLON SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-15-7 E.						
3-2	0.63								
			SAND CREEK NEAR COLON SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15-15-7 E.						
7-13	2.50								

PLATTE RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1982			
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		<u>PLATTE RIVER, SALT CREEK TO MOUTH</u>				<u>TURKEY CREEK NEAR CEDAR CREEK</u> NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-12-12 E.	
11-20	0.55		PAWNEE CREEK NEAR SOUTH BEND NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-12-10 E.	11-20	0.50	4-9	0.57
4-9	0.87		PAWNEE CREEK NEAR SOUTH BEND NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 22-12-10 E.	2-24	0.86		ZWIEBEL CREEK NEAR PAPILLION NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-13-13 E.
2-25	0.30		PLATTE RIVER, TRIB., NEAR SOUTH BEND NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-12-10 E.	11-20	0.00	4-9	1.33
11-20	1.45	4-9	FOUNTAIN CREEK NEAR SOUTH BEND SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 24-12-10 E.	11-20	0.12	4-9	0.22
11-20	1.09	4-9	DECKER CREEK NEAR LOUISVILLE NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-12-11 E.	11-20	3.25	4-9	2.35
11-20	1.18	3-3	MILL CREEK NEAR LOUISVILLE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-12-11 E.	11-20	4.32	4-9	3.61
2-24	1.52		BUFFALO CREEK NEAR SPRINGFIELD SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-13-11 E.				FOUR MILE CREEK NEAR PLATTSMOUTH SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 16-12-13 E.
2-25	0.16		TURTLE CREEK NEAR SPRINGFIELD NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-13-12 E.				EIGHT MILE CREEK NEAR PLATTSMOUTH SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-12-13 E.
2-25	1.43		SPRINGFIELD CREEK NEAR SPRINGFIELD SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36-13-11 E.				
11-20	1.40	3-3	CEDAR CREEK NEAR LOUISVILLE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13-12-11 E.				

MISSOURI RIVER TRIBUTARIES
(PLATTE TO LITTLE NEMAHA)

MEASUREMENT OF STREAMS Year Ending September 30, 1981						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>ROCK CREEK</u>						<u>WEeping WATER CREEK, NORTH BRANCH, NEAR ELMWOOD</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-11-10 E.					
			MUD CREEK NEAR MURRAY SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17-11-14 E.			3-3	1.63				
11-19	0.64										
			BEAVER LAKE SEEPAGE IN NORTH ROAD DITCH S $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 17-11-14 E.			11-19	4.17	3-3	3.93	7-6	0.30
2-20	0.24										
			SOUTH TRIB. TO ROCK CREEK BELOW BEAVER LAKE DAM SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-11-14 E.			11-19	0.14	3-3	0.25		
2-20	0.55										
			ROCK CREEK BELOW SOUTH TRIB. AND BEAVER LAKE DAM SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-11-14 E.			11-19	0.80	3-3	0.88		
2-20	1.31										
			ROCK CREEK BELOW BEAVER LAKE DAM NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-11-14 E.			11-19	1.73	3-2	1.88		
11-19	1.44										
<u>RAKES CREEK</u>						<u>FLOOD CREEK NEAR NEHAWKA</u> SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2-9-12 E.					
			RAKES CREEK NEAR MURRAY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-10-14 E.			3-2	0.59				
11-19	0.37	3-2	0.29								
<u>ERVINE CREEK</u>						<u>JORDAN CREEK NEAR NEHAWKA</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-9-13 E.					
			ERVINE CREEK NEAR UNION NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 17-10-14 E.			11-20	0.52	3-2	0.62		
11-19	0.98	3-2	0.72								
<u>WEeping WATER CREEK</u>						<u>GOOSE CREEK NEAR NEHAWKA</u> SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-9-13 E.					
			WEeping WATER CREEK, NORTH BRANCH, NEAR ELMWOOD SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-10-10 E.			11-20	0.37	3-2	0.36		
11-19	0.23										
			STOVE CREEK NEAR ELMWOOD SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10-10-10 E.			11-19	1.86	3-2	2.31		
11-19	0.36	3-3	0.42								
						<u>WEeping WATER CREEK, SOUTH BRANCH, NEAR UNION</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-10-13 E.					
						11-19	5.47	3-2	5.93	7-6	3.05
						<u>WOLF CREEK NEAR UNION</u> NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11-9-13 E.					
						11-20	0.004				

MISSOURI RIVER TRIBUTARIES
(PLATTE TO LITTLE NEMAHA)

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981				
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		WOLF CREEK NEAR UNION SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-10-13 E.					HONEY CREEK		
11-19	0.28	3-2	0.23					HONEY CREEK NEAR PERU NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-6-15 E.	
		<u>WALNUT CREEK</u>			5-14	1.55			
		WALNUT CREEK NEAR NEBRASKA CITY SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-9-13 E.					HONEY CREEK NEAR PERU NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-6-15 E.		
11-20	2.25	3-2	2.34		11-18	1.98	5-14	3.02	
		<u>TABLE CREEK</u>							
		NORTH TABLE NEAR NEBRASKA CITY SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-8-14 E.							
11-20	0.58	3-3	0.44						
		SOUTH TABLE NEAR NEBRASKA CITY SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-8-14 E.							
11-20	1.5	3-3	1.54						
		<u>FOUR MILE CREEK</u>							
		FOUR MILE CREEK NEAR NEBRASKA CITY NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 25-8-14 E.							
11-20	0.05	3-3	1.01						
		<u>CAMP CREEK</u>							
		CAMP CREEK NEAR JULIAN SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 25-7-14 E.							
3-3	1.51								
		CAMP CREEK NEAR JULIAN NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-7-14 E.							
11-20	4.93	3-3	2.65						
		<u>BUCK CREEK</u>							
		BUCK CREEK NEAR PERU NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-6-15 E.							
11-18	0.00	5-14	0.00						

LITTLE NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1981								MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981							
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SILVER CREEK NEAR PALMYRA NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 2-8-9 E.								SILVER CREEK NEAR COOK NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 12-6-10 E.							
11-25	0.79	3-19	0.91					11-19	1.24	3-9	1.50				
HOOVER CREEK NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 33-9-10 E.								TURKEY CREEK NEAR COOK NE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 8-6-11 E.							
11-25	2.58	3-19	2.38					11-19	1.04	3-9	1.41				
RUSSELL CREEK NEAR UNADILLA SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 10-8-10 E.								COON CREEK NEAR COOK NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 15-6-11 E.							
11-25	0.19	3-19	0.25					11-19	0.59	3-9	0.64				
WOLF RUN NEAR SYRACUSE NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 18-8-11 E.								LITTLE NEMAHA RIVER, SOUTH FORK, NEAR TALMAGE NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 29-7-12 E.							
11-25	0.65	3-19	0.78					11-25	17.8	3-19	16.5				
LITTLE NEMAHA RIVER AT SYRACUSE SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 27-8-11 E.								LITTLE NEMAHA RIVER NEAR TALMAGE NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 20-7-12 E.							
11-25	7.02	7-15	2.03	7-19	4.64	7-23	4.05	11-25	32.2	3-19	31.4				
3-19	8.24	7-16	8.58	7-20	3.68	7-24	4.20								
6-30	2.93	7-17	4.36	7-22	3.86	7-25	5.87								
7-7	2.05	7-18	3.22												
BROWNELL CREEK NEAR SYRACUSE SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 26-8-11 E.								LITTLE NEMAHA RIVER, SOUTH FORK, NEAR OTOE SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 19-9-12 E.							
11-19	0.72	3-19	0.80					4-14	0.08						
LITTLE NEMAHA RIVER NEAR SYRACUSE Sec. 13-7-11 E.								LITTLE NEMAHA RIVER, NORTH FORK, NEAR OTOE SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 19-9-12 E.							
7-9	1.32							11-25	0.94	3-19	1.05				
MUDDY CREEK NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 23-7-11 E.								WILSON CREEK NEAR DUNBAR SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 12-18-12 E.							
11-19	1.71	3-19	1.35					11-25	1.03	3-20	1.52	6-30	0.13	7-7	0.46
LITTLE NEMAHA RIVER, SOUTH FORK, AT DOUGLAS SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 11-7-9 E.								FOX CREEK NEAR DUNBAR SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 18-18-13 E.							
11-25	0.35	3-19	0.39					11-20	0.38	3-20	0.28				
								11-20	0.41	3-20	0.47				

LITTLE NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981							MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981									
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	
LITTLE NEMAHA RIVER, NORTH FORK, NEAR LORTON SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 12-7-12 E.							SCOTCH BRANCH NEAR AUBURN SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 30-5-14 E.									
11-25	3.69	3-19	4.32	6-30	0.06	7-7	2.66	5-21	0.37							
SANDY CREEK SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 32-7-13 E.							LONGS CREEK NEAR AUBURN SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 16-5-14 E.									
11-25	0.61	3-19	0.43				11-17	2.42	5-21	1.42						
JONES CREEK NEAR BROCK SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 6-6-13 E.							WILLOW CREEK NEAR AUBURN NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 11-5-14 E.									
11-17	0.94	5-21	1.53				11-18	0.86								
HOUSCHINS CREEK NEAR BROCK SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 16-6-13 E.							WILLOW CREEK NEAR AUBURN SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 3-14-13 E.									
11-17	0.77	5-23	0.32				5-21	0.39								
LITTLE NEMAHA RIVER, TRIB. TO, NEAR BROCK SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 26-6-13 E.							HUGHES CREEK NEAR AUBURN NE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 36-5-14 E.									
11-17	0.80						11-17	1.82	5-13	1.17						
LITTLE NEMAHA RIVER, TRIB. TO, NEAR GLENROCK SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 26-6-13 E.							INDIAN CREEK NEAR NEMAHA NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 7-4-15 E.									
5-21	0.46						11-17	1.08	5-13	0.55						
LITTLE NEMAHA RIVER, TRIB. TO SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 30-6-14 E.							SWARTZ RUN NEAR NEMAHA SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 28-5-15 E.									
11-19	0.01	5-21	0.07				11-18	1.33	5-14	0.89						
HIGGINS BRANCH NEAR JULIAN SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 19-6-14 E.							HAPPY HOLLOW CREEK NEAR NEMAHA NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 2-4-16 E.									
5-14	0.22						11-18	0.85	5-14	1.52						
ROCK CREEK NEAR AUBURN NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 29-6-14 E.							JIVERS CREEK NEAR NEMAHA NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 23-4-15 E.									
11-19	2.81	5-21	3.08	7-7	1.36				11-17	1.45	5-13	0.71				
ORD CREEK NEAR AUBURN SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 7-5-14 E.							WHISKEY RUN NEAR NEMAHA NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 24-4-15 E.									
11-17	0.76	5-21	0.17				11-17	1.57	5-13	1.09						

MISSOURI RIVER TRIBUTARIES
(LITTLE NEMAHA TO BIG NEMAHA)

MEASUREMENT OF STREAMS Year Ending September 30, 1981							
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
DERDIN CREEK NEAR NEMAHA SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-4-16 E.							
5-13	0.65						
MEADOW CREEK NEAR SHUBERT NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26-4-16 E.							
11-18	1.20	5-13	1.32				
WINE CREEK NEAR BARADA NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 22-3-17 E.							
5-29	0.14						
GOUCHER HOLLOW NEAR BARADA SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 22-3-17 E.							
5-29	0.58						
WINNEBAGO CREEK NEAR RULO SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 30-2-18 E.							
11-21	2.02	5-28	0.80				

BIG NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1981						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981							
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.		
<u>NORTH FORK OF THE BIG NEMAHA</u>													
BIG NEMAHA RIVER, MIDDLE BRANCH OF THE NORTH FORK, NEAR FIRTH SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 34-7-7 E.						11-19	0.03	3-9	0.15				
10-15	0.03					LOST BRANCH NEAR CRAB ORCHARD SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 36-5-9 E.							
SHAW CREEK NEAR ADAMS SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 21-6-8 E.						11-19	0.48	3-9	0.84				
11-18	0.76	6-10	0.48					YANKEE CREEK AT VESTA SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 31-5-10 E.					
JAKES CREEK NEAR ADAMS SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 22-6-8 E.						11-18	0.19	3-9	0.19				
6-10	0.04					BREWERS BRANCH NEAR TECUMSEH SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 28-5-10 E.							
BIG NEMAHA RIVER, NORTH FORK, NEAR STERLING SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 16-6-9 E.						11-18	1.63	3-9	2.09				
11-19	1.25	3-9	1.48	7-20	1.38	YANKEE CREEK NEAR TECUMSEH NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 25-5-10 E.							
BIG NEMAHA RIVER, NORTH FORK, NEAR STERLING NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 27-6-9 E.						11-18	0.98	3-9	1.35				
11-19	8.84	3-9	10.8					BADGER BRANCH NEAR TECUMSEH SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 30-5-11 E.					
HOOKER CREEK NEAR STERLING NE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 35-6-9 E.						7-7	13.8	7-17	13.4	7-19	19.3	7-20	13.7
11-18	0.00	3-9	0.00					7-16	11.2	7-18	17.5		
PRATTS BRANCH NEAR STERLING SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 25-6-9 E.						BIG NEMAHA RIVER, NORTH FORK, AT TECUMSEH NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 32-5-11 E.							
11-19	0.00	3-9	0.00					TOWN BRANCH AT TECUMSEH SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 28-5-11 E.					
DEER CREEK NEAR STERLING NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 8-5-10 E.						11-18	0.05						
3-9	0.00					TOWN BRANCH AT TECUMSEH NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 33-5-11 E.							
BEATTY CREEK NEAR TECUMSEH NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 22-5-10 E.						3-9	0.16						
3-9	0.07					CORSON BRANCH NEAR TECUMSEH SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 3-4-11 E.							
LOFLINS BRANCH NEAR CRAB ORCHARD NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 4-4-9 E.						11-18	0.12	3-9	0.46				
3-9	0.06					TODD CREEK NEAR ELK CREEK NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34-4-11 E.							
3-9	0.06					11-18	0.63	3-10	0.73				

BIG NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					
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							<u>SOUTH FORK OF THE BIG NEMAHA</u>			
							TURKEY CREEK NEAR STEINHAUER NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 24-3-10 E.			
11-18	1.27	3-10	2.25		11-18	0.00	3-10	0.14		
							ROCK CREEK NEAR STEINHAUER SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 24-3-10 E.			
11-18	0.05	3-10	0.11		11-18	0.11	3-10	0.16		
							TURKEY CREEK AT PAWNEE CITY NE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 27-2-11 E.			
							BALLS BRANCH NEAR PAWNEE CITY NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 30-2-11 E.			
							TURKEY CREEK, WEST BRANCH, NEAR PAWNEE CITY SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 33-2-11 E.			
11-18	0.73	3-10	1.19		11-18	0.25	3-10	0.98		
							JOHNSON CREEK NEAR DuBOIS SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 26-1-11 E.			
11-18	0.35	3-10	0.57		11-18	0.02	3-10	0.38		
							NEGRO BRANCH NEAR DuBOIS NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 35-1-12 E.			
11-30	11.8	7-7	8.94		11-18	0.04	3-10	0.17		
							LORES BRANCH NEAR DuBOIS NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 26-1-12 E.			
							LORES BRANCH NEAR DuBOIS SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 34-1-12 E.			
11-19	0.13	5-27	0.09		11-18	0.04				
							FOUR MILE CREEK NEAR DAWSON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 6-1-14 E.			
							FOUR MILE CREEK NEAR DAWSON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 6-1-14 E.			
5-27	0.07				3-10	0.22				
					11-20	1.43	5-27	1.55		
							FOUR MILE CREEK NEAR DAWSON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 6-1-14 E.			
							FOUR MILE CREEK NEAR DAWSON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 6-1-14 E.			
11-19	0.20	5-27	0.11				FOUR MILE CREEK NEAR DAWSON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 6-1-14 E.			
							FOUR MILE CREEK NEAR DAWSON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 6-1-14 E.			
11-19	3.74	5-27	2.75				FOUR MILE CREEK NEAR DAWSON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 6-1-14 E.			
							FOUR MILE CREEK NEAR DAWSON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 6-1-14 E.			
11-21	0.13	5-27	0.10				FOUR MILE CREEK NEAR DAWSON NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 6-1-14 E.			

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

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981			
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		RATTLESNAKE CREEK NEAR SALEM NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-1-14 E.				<u>LOWER BIG NEMAHA</u>	
11-20	0.42	5-27	0.45			PONY CREEK NEAR FALLS CITY SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22-1-16 E.	
		SPRING CREEK NEAR SALEM SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-1-14 E.		11-20	5.11	5-22	9.65
11-20	1.77	5-27	1.34			WALNUT CREEK NEAR FALLS CITY SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-1-16 E.	
		EASLY CREEK NEAR DAWSON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-1-14 E.		11-20	7.21	5-22	37.1
11-20	1.48	5-27	1.09			MUDDY CREEK NEAR AUBURN SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-14-13 E.	
		HOLY CREEK NEAR SALEM NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10-1-14 E.		11-18	0.88	5-21	1.37
11-20	0.09	5-27	0.05			MUDDY CREEK, TRIB. TO SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-4-13 E.	
		HONEY CREEK NEAR SALEM NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13-1-14 E.		11-18	0.63	5-21	0.69
11-20	0.72	5-27	0.79			MUDDY CREEK AT HIGHWAY 73-75 SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33-4-14 E.	
		RABBIT CREEK NEAR SALEM SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-1-15 E.		6-30	4.12		
5-27	0.23					HOOSIER CREEK NEAR STELLA SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-3-15 E.	
		CONTRARY CREEK NEAR SALEM NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15-1-15 E.		11-19	0.27	5-28	0.20
11-20	0.38	5-27	0.26			WHISKEY RUN NEAR STELLA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-3-14 E.	
		ROCK CREEK NEAR SALEM NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-1-15 E.		11-19	1.48	5-28	0.82
11-20	2.22	5-27	2.27			DRY BRANCH NEAR STELLA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-3-14 E.	
		BIG NEMAHA RIVER, SOUTH FORK, NEAR SALEM SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-1-16 E.		11-19	0.69	5-28	0.52
7-7	14.0					LITTLE MUDDY CREEK NEAR STELLA NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19-3-15 E.	
				11-19	4.65	5-28	5.01
						MUDDY CREEK, TRIB., NEAR VERDON SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32-3-15 E.	
				5-28	0.33		

BIG NEMAHA RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981			
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		SARDINE BRANCH NEAR VERDON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2-2-15 E.				ROYS CREEK NEAR RULO SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-1-18 E.	
11-21	1.15			5-22	13.0		
		SARDINE BRANCH NEAR VERDON SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-2-15 E.					
5-28	1.51						
		MACKELROY CREEK NEAR VERDON SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-2-16 E.					
11-21	2.18	5-28	1.17				
		GOOLSBY CREEK NEAR FALLS CITY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 28-2-16 E.					
11-21	3.21	5-28	1.54				
		SILVER BRANCH NEAR FALLS CITY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 23-2-16 E.					
11-21	0.60						
		SILVER CREEK NEAR FALLS CITY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26-2-16 E.					
5-28	0.43						
		HALFBREED CREEK NEAR FALLS CITY SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19-2-17 E.					
11-21	2.19						
		HALFBREED CREEK NEAR FALLS CITY NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-1-17 E.					
5-28	2.28						
		MUDDY CREEK NEAR PRESTON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 16-1-17 E.					
7-7	14.9						
		NOHARTS CREEK NEAR PRESTON SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-1-17 E.					
11-20	3.12	5-22	4.83				

REPUBLICAN RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981				
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
			THOMPSON CREEK ¹ SW $\frac{1}{4}$ Sec. 3-2-13 W.						HUNGRY CREEK NEAR INAVALE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-1-12 W.
9-23	17.8					6-3	0.00	8-5	0.00
			THOMPSON CREEK ¹ NE $\frac{1}{4}$ Sec. 22-2-13 W.						STATE CREEK NEAR INAVALE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-1-11 W.
7-20	77.	9-23	15.5			6-3	0.00	8-5	0.00
			THOMPSON CREEK NEAR RIVERTON ¹ SW $\frac{1}{4}$ Sec. 15-2-13 W.						REPUBLICAN RIVER, TRIB. TO, NEAR RED CLOUD NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17-1-11 W.
10-1	13.3	11-20	17.8	6-9	18.9	6-3	0.00	8-5	0.36
			ROCK CREEK NEAR RIVERTON NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11-1-13 W.						LOUISA CREEK NEAR RED CLOUD NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17-1-11 W.
8-3	4.90	6-10	0.10			6-3	1.54	8-5	0.002
			FARMERS CREEK NEAR INAVALE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-2-12 W.						REPUBLICAN RIVER, TRIB. TO, NEAR RED CLOUD NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 16-1-11 W.
6-3	4.33	8-4	7.43			6-3	0.00	8-5	0.00
			WALNUT CREEK NEAR INAVALE SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-1-12 W.						PENNY CREEK NEAR RED CLOUD NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-1-11 W.
6-3	3.13	8-5	4.87			6-3	0.58	8-5	0.14
			DRY CREEK NEAR INAVALE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-1-12 W.						INDIAN CREEK NEAR RED CLOUD SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 33-2-11 W.
6-3	0.00	8-5	0.00			6-3	2.66	8-4	3.24
			SPRING CREEK AT INAVALE SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-2-12 W.						REPUBLICAN RIVER, TRIB. TO, NEAR RED CLOUD SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-1-11 W.
6-3	0.00	8-4	0.00			6-2	0.85	8-4	0.22
			BUFFALO CREEK NEAR INAVALE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2-1-12 W.						REPUBLICAN RIVER, TRIB. TO, NEAR RED CLOUD SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 7-1-10 W.
6-3	0.00	8-5	0.00			6-2	0.00	8-4	0.00
			SCHOOL CREEK NEAR INAVALE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-2-12 W.						CROOKED CREEK NEAR RED CLOUD NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-1-11 W.
6-3	0.00	8-4	0.00			6-3	1.61	8-4	2.35

REPUBLICAN RIVER BASIN

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1981

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
		LOST CREEK AT SUPERIOR SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26-1-7 W.					
6-2	0.09	8-5	10.3				
		BLAKELY & OAK CREEK NEAR SUPERIOR SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-1-6 W.					
6-2	0.15	8-5	5.61				
		CROSBY CREEK NEAR HARDY NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-1-6 W.					
6-2	0.16	8-5	2.78				
		FORSHA CREEK NEAR HARDY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 32-1-5 W.					
6-2	0.00	8-5	1.60				

BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1981					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981								
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.				
<u>UPPER BIG BLUE RIVER</u>													
BIG BLUE RIVER NEAR MARQUETTE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-12-6 W.					6-25	5.65	6-30	5.56	7-4	4.93	7-9	3.12	
4-7	0.00	9-17	0.00			6-26	4.77	7-1	5.60	7-6	4.60	7-15	2.39
						6-27	4.75	7-2	5.61	7-7	3.75	7-16	1.87
						6-29	5.74						
BIG BLUE RIVER NEAR STROMSBURG SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 7-13-2 W.													
4-8	0.00	9-17	0.00										
PRAIRIE CREEK, TRIB. TO, NEAR POLK SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-13-4 W.					4-17	28.4	6-12	21.2	6-18	12.1	6-30	0.47	
4-8	0.00	9-17	0.00			6-9	24.7	6-16	12.5	6-23	2.7	9-8	34.9
PRAIRIE CREEK NEAR STROMSBURG SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1-13-3 W.													
4-8	0.00	9-17	0.00			4-7	5.7	8-12	3.23				
DAVIS CREEK NEAR OSCEOLA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 26-14-2 W.													
4-8	0.02	9-17	0.00			<u>WEST FORK OF THE BIG BLUE RIVER</u>							
BIG BLUE RIVER, TRIB. TO, NEAR SURPRISE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-13-1 E.					BIG BLUE RIVER, WEST FORK, NEAR HASTINGS NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 3-7-9 W.								
3-10	0.00					4-7	0.00	8-12	0.00				
BIG BLUE RIVER, WEST FORK, AT NORTH FORK AT SURPRISE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-13-1 E.					BIG BLUE RIVER, WEST FORK, NEAR TRUMBULL NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 14-8-8 W.								
6-24	0.00					4-7	0.00	8-12	0.00				
BIG BLUE RIVER NEAR ULYSSES SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-13-2 E.					BIG BLUE RIVER, WEST FORK, TRIB., NEAR ELDORADO NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 4-8-6 W.								
3-10	0.28					4-7	0.00	8-12	0.00				
BIG BLUE RIVER NEAR ULYSSES NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20-13-2 E.					BIG BLUE RIVER, WEST FORK, NEAR STOCKHAM NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-9-6 W.								
9-22	0.00					4-7	2.67	9-17	2.00				
BIG BLUE RIVER, NORTH BRANCH, TRIB. TO, NEAR RISING CITY SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-15-2 E.					BIG BLUE RIVER, WEST FORK, NORTH BRANCH, NEAR STOCKHAM NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27-9-6 W.								
3-10	0.44					4-7	0.00	9-17	0.03				
					BIG BLUE RIVER, WEST FORK, TRIB., NEAR STOCKHAM NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-9-5 W.								
					BIG BLUE RIVER, WEST FORK, NEAR LUSHTON NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26-9-4 W.								
					4-8	0.00	9-15	0.00					

BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					
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		WALNUT CREEK NEAR BEAVER CROSSING NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-9-2 E.						SPRING CREEK NEAR PLEASANT HILL SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-7-3 E.			
4-17	0.19	9-8	0.50			5-13	0.00	8-19	0.00		
		BIG BLUE RIVER, WEST FORK, AT SEWARD COUNTY LINE Sec. 32-9-3 E.						DRY CREEK NEAR WILBER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-6-3 E.			
7-6	25.8	7-7	9.02	7-15	3.39	5-13	0.00	8-18	0.00		
		BIG BLUE RIVER, WEST FORK, AT HIGHWAY 6 SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 31-9-3 E.						BRUSH CREEK NEAR WILBER NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-6-4 E.			
7-16	3.00					5-13	0.00	8-18	0.00		
		JOHNSON CREEK, TRIB. TO, NEAR DORCHESTER NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-8-2 E.						SWAN CREEK, NORTH FORK, NEAR WESTERN NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-6-2 E.			
5-13	0.00	8-19	0.00			5-14	0.47	8-19	0.16		
		JOHNSON CREEK NEAR DORCHESTER NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-8-3 E.						SPRING CREEK NEAR WESTERN NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-5-2 E.			
5-13	0.01	8-19	0.15			5-14	0.44	8-19	0.28		
		BIG BLUE RIVER, WEST FORK, NEAR MILFORD SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-8-4 E.						SWAN CREEK, SOUTH FORK, NEAR SWANTON SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 30-5-3 E.			
7-16	2.82	7-17	1.55			5-14	0.00	8-19	0.21		
		BIG BLUE RIVER, WEST FORK, NEAR CRETE SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-8-4 E.						SWAN CREEK, TRIB. TO, NEAR SWANTON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-5-3 E.			
5-13	53.9	7-1	19.1	8-19	39.0	5-14	0.00	8-19	0.00		
		<u>LOWER BIG BLUE RIVER</u>						WALNUT GROVE CREEK NEAR SWANTON SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-5-3 E.			
		WALNUT CREEK NEAR CRETE SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-8-4 E.						PLUMMER BRANCH NEAR SWANTON NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-5-4 E.			
5-13	0.01	8-19	0.03			5-14	0.00	8-19	0.00		
		SQUAW CREEK NEAR CRETE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-7-4 E.						SWAN CREEK NEAR DeWITT ³ NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 16-5-4 E.			
5-13	0.00	8-18	0.00			5-14	5.70	6-17	5.20	7-28	8.40
						5-28	6.70	7-1	4.84	8-5	22.1
								8-19		9-17	4.97
											4.2

BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981				
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		TURKEY CREEK NEAR DeWITT NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-5-5 E.					INDIAN CREEK AT BEATRICE SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-4-6 E.		
5-14	17.4					11- 6	0.87	5- 7	0.43
		SOAP CREEK NEAR DeWITT SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-5-5 E.					BEAR CREEK, TRIB TO NEAR BEATRICE NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-4-7 E.		
5-13	0.00					11- 6	0.002	6-10	0.00
		BIG BLUE RIVER, TRIB TO NEAR BEATRICE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-4-5 E.					BEAR CREEK NEAR BEATRICE NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-4-7 E.		
5- 7	0.00					11- 6	0.78	6-10	0.61
		SNAKE CREEK NEAR BEATRICE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-4-5 E.					PIERCE CREEK NEAR BEATRICE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-4-7 E.		
5-13	0.00					11- 6	0.16	6-10	0.25
		CUB CREEK NEAR BEATRICE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-4-5 E.					BEAR CREEK NEAR BEATRICE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-3-6 E.		
5- 7	0.12	7- 1	0.15			11- 6	4.4	5- 7	2.89
		BOTTLE CREEK NEAR BEATRICE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-4-6 E.					CEDAR CREEK NEAR BEATRICE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-3-7 E.		
5- 7	0.06					11- 6	0.48	5- 7	0.71
		BIG BLUE RIVER, TRIB TO NEAR BEATRICE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32-4-6 E.					BIG BLUE RIVER, TRIB TO NEAR BEATRICE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 7-3-7 E.		
5- 7	0.13					11- 6	0.18	5- 7	2.84
		INDIAN CREEK, TRIB TO NEAR PICKRELL NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10-5-6 E.					BLOODY RUN NEAR HOLMESVILLE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23-3-7 E.		
11- 6	0.04	5- 7	0.001			11- 6	0.16	6- 9	0.05
		POSSUM CREEK NEAR PICKRELL NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-5-6 E.					MUD CREEK NEAR BLUE SPRINGS SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33-3-7 E.		
11- 6	0.00	5- 7	0.00			11- 6	0.51	6- 9	0.24
		TOWN CREEK NEAR PICKRELL SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26-5-6 E.					BIG BLUE RIVER, TRIB TO NEAR BLUE SPRINGS SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-2-7 E.		
11- 6	0.00	5- 7	0.00			11- 6	0.01	6- 9	0.01

BIG BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981			
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		BIG BLUE RIVER, TRIB TO AT BLUE SPRINGS SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13-2-7 E.				BIG BLUE RIVER, TRIB TO NEAR WYMORE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 26-2-7 E.	
6- 9	0.03			11- 6	0.06	6- 9	0.00
		BILLS CREEK NEAR BLUE SPRINGS SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-2-7 E.				WILDCAT CREEK NEAR WYMORE NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19-2-8 E.	
6- 9	0.01			11- 5	0.24	6- 9	0.13
		SPRING CREEK NEAR DILLER NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31-2-5 E.				WILDCAT CREEK NEAR WYMORE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 30-2-8 E.	
5- 6	0.00			11- 5	0.44	6- 9	0.38
		ELM CREEK NEAR ODELL NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-2-5 E.				WOLF CREEK NEAR WYMORE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 31-2-8 E.	
5- 6	0.00			11- 5	0.12	6- 9	0.19
		ASH CREEK NEAR ODELL SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 25-2-5 E.				ARKEKETA CREEK NEAR BARNESTON NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21-1-8 E.	
3- 9	0.07			11- 5	0.12	6- 9	0.05
		ASH CREEK NEAR ODELL NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-1-6 E.				PLUM CREEK NEAR BARNESTON NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-1-8 E.	
5- 6	0.00			11- 5	0.91	6- 9	0.71
		SICILY CREEK NEAR ODELL SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-2-6 E.				MISSION CREEK NEAR BARNESTON SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-1-7 E.	
5- 6	0.84			11- 5	1.2	6- 9	0.33
		SQUAW CREEK NEAR WYMORE NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-1-6 E.					
5- 6	0.15						
		BIG INDIAN CREEK NEAR WYMORE NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-2-7 E.					
5- 6	2.26	7- 1	5.59				
		BIG BLUE RIVER, TRIB TO NEAR WYMORE NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-2-7 E.					
6- 9	0.00						

LITTLE BLUE RIVER BASIN

MEASUREMENT OF STREAMS Year Ending September 30, 1981				MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1981			
Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
<u>UPPER LITTLE BLUE</u>							
SAND CREEK NEAR ROSELAND NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19-5-11 W.				6-3	2.05	8-18	3.06
4-7	0.00	8-12	0.07	SPRING CREEK NEAR HEBRON SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-2-3 W.			
COTTONWOOD CREEK NEAR ROSELAND NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10-5-11 W.				7-14	4.41	DRY CREEK NEAR CHESTER SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31-1-3 W.	
4-7	0.00	8-12	0.18	DRY CREEK NEAR CHESTER SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-1-3 W.			
FLAT CREEK NEAR ROSELAND SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-5-11 W.				7-17	3.38	DRY CREEK NEAR CHESTER SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-1-3 W.	
4-7	0.00	8-12	0.00	7-17	0.73	DRY CREEK NEAR HEBRON NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15-2-2 W.	
DOVE CREEK NEAR AYR SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 17-5-10 W.				6-3	0.17	8-18	0.10
4-7	0.00	8-12	0.00	BLUE RIVER, LITTLE, NEAR ALEXANDRIA SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19-3-1 E.			
SCOTT CREEK NEAR AYR NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28-6-10 W.				6-4	158.	8-11	211.
4-7	0.06	8-12	0.17	BLUE RIVER, LITTLE, TRIB. TO, NEAR ALEXANDRIA NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-3-1 E.			
THIRTY-TWO MILE CREEK NEAR AYR NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26-6-10 W.				6-4	0.00	8-11	0.00
4-7	0.00	8-12	0.28	<u>BIG SANDY CREEK</u>			
ASH CREEK NEAR PAULINE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-5-9 W.				SANDY CREEK, BIG, NEAR DAVENPORT NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 7-4-4 W.			
4-7	0.04	8-12	0.05	6-4	0.00	8-11	6.55
CROOKED CREEK NEAR PAULINE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-5-9 W.				SANDY CREEK, LITTLE, NEAR DAVENPORT NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-4-4 W.			
4-7	0.00	8-12	0.07	6-4	0.00	8-11	4.10
PAWNEE CREEK, TRIB., NEAR HASTINGS NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-6-9 W.				DRY CREEK NEAR CARLETON NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 21-4-3 W.			
4-7	0.00	8-12	0.00	6-4	0.00	8-11	11.0
PAWNEE CREEK NEAR DEWESE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-5-8 W.							
4-7	0.20	8-12	4.17				

LITTLE BLUE RIVER BASIN

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1981

Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.	Date	Discharge Sec.-Ft.
SANDY CREEK, BIG, NEAR BELVIDERE NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-3-2 W.							
6-4	0.12	8-11	27.4				
SANDY CREEK, BIG, SOUTH FORK, NEAR BELVIDERE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17-3-2 W.							
6-4	0.00	8-11	2.60				
DRY SANDY CREEK NEAR STRANG SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33-5-2 W.							
6-5	0.00	8-17	2.40				
DRY SANDY CREEK NEAR ALEXANDRIA NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-3-1 W.							
6-4	0.02	8-11	15.7				
SANDY CREEK, BIG, NEAR ALEXANDRIA SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-3-1 W.							
6-4	5.55	8-11	55.3				
SANDY CREEK, BIG, NEAR ALEXANDRIA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 11-3-1 W.							
6-4	20.2	8-11	80.7				
SANDY CREEK, BIG, NEAR POWELL SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 16-3-1 E.							
6-4	24.8	8-11	94.5				
<u>LOWER LITTLE BLUE</u>							
SANDY CREEK, LITTLE, NEAR FAIRBURY NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19-3-2 E.							
6-4	0.62	8-11	4.23				
WHISKEY CREEK NEAR FAIRBURY NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 4-2-2 E.							
6-2	0.05	8-10	0.09				
BLUE RIVER, LITTLE, TRIB. TO, NEAR FAIRBURY NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 22-2-2 E.							
6-2	0.00	8-10	0.00				

¹ Measurements taken by the Nebraska Department of Environmental Control.

² Measurements taken by the Lower Loup Natural Resources District.

³ Combined Nebraska Department of Water Resources and Nebraska Department of Environmental Control measurement site.

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MISCELLANEOUS DISCHARGE MEASUREMENTS OF
CANAL AND PUMP DIVERSIONS 1981

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CHEYENNE RIVER BASIN

(HAT CREEK)

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1981

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		HAT CREEK CANAL, WEST--D-553a & b From Hat Creek--Sec. 16-32-55 W.			
10-23	0.0	3-10	0.89		
		SOW BELLY CANAL, OLD--D-533 From Sow Belly Creek--Sec. 7-32-55 W.			
10-23	0.0	4-21	0.0		
		ANDREWS SUPPLY CANAL--A-2530 From Sow Belly Creek--Sec. 5-32-55 W.			
10-23	0.0	1-28	0.41	4-21	0.0
		ZIMMERMAN CANAL--A-532, A-4790 From Sow Belly Creek--Sec. 34-33-55 W.			
10-23	0.0	11-29	0.0	1-28	1.14
		COFFEE CANAL, EAST--D-512 From Hat Creek--Sec. 26-33-55 W.			
10-23	0.0	3-10	1.26		
		MONTGOMERY CANAL--D-559 From Sow Belly Creek--Sec. 21-33-55 W.			
10-23	0.0	4-21	0.0		
		COFFEE FLOOD CANAL--A-1236 From Hat Creek--Sec. 14-33-55 W.			
10-23	0.0	3-10	1.36	4-21	0.0
		MONROE CANAL--D-505 From Monroe Creek--Sec. 33-33-56 W.			
10-23	0.0	11-19	0.0	4-21	0.0
		RICHARD JORDAN CANAL--A-2032 From Monroe Creek--Sec. 22-33-56 W.			
10-23	0.0	4-21	0.0		
		WARBOHNET CANAL--D-548, A-892 From Warbonnet Creek--Sec. 21-33-56 W.			
10-23	0.0	11-19	0.0	4-21	0.0

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		KITE-CORNELIUS JORDAN CANAL--A-841, A-1375 From Monroe Creek--Sec. 13-33-56 W.					
10-23	0.0						
		O'CONNELL CANAL--A-2274 From Jim Creek--Sec. 17-33-55 W.					
4- 8	0.0						
		WASSERBURGER PUMP--A-3291 From Hat Creek--Sec. 24-34-55 W.					
3-10	0.0						
		SEMROSKA CANAL--A-9644 From White Head Creek--Sec. 10-34-54 W.					
2-24	0.0	5-18	21.7				
		GETSER CANAL--A-3414 From White Head Creek--Sec. 4-34-54 W.					
5-18	10.5						

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

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
COOK PUMP--A-4211 From Keya Paha River--Sec. 4-34-18 W.							
7-10	0.58	7-14	0.72				

NORTH PLATTE RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS Year Ending September 30, 1981				MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1981			
Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		PETERS CANAL--D-913 From Pumpkin Creek--Sec. 2-19-56 W.				KILPATRICK RESERVOIR STORAGE From Snake Creek--Sec. 1-24-52 W.	
6-10	0.0			3- 4	203.	3-11	237.
		LOGAN LOWER CANAL--D-902 From Pumokin Creek--Sec. 7-19-55 W.				5-21	484.
6-10	0.40			5-21	0.0	OASIS CANAL--D-567 From Snake Creek--Sec. 6-24-51 W.	
		SCOTT CANAL--A-711 From Pumpkin Creek--Sec. 7-19-55 W.				SMITH-WHEELER CANAL, NORTH & SOUTH--D-842a, D-842b From Pumpkin Creek--Sec. 26-19-51 W.	
6-10	0.0			6-10	0.59	6-10	0.0
		MEADS PUMP--A-698R, A-699R, A-1133R, A-1380R From Pumpkin Creek, 6, 5, 1-19-55 W.				LAUX PUMP--A-4689 From Pumpkin Creek--Sec. 29-19-50 W.	
6-10	0.0			6-10	0.0		
		EHRMAN PUMP--A-3859 From Pumpkin Creek--Sec. 18-19-53 W.				NELSON CANAL--D-845 From Greenwood Creek--Sec. 33-18-50 W.	
6-10	0.0			6- 2	0.0		
		OLSEN PUMP--A-11439 From Pumpkin Creek--Sec. 23-19-53 W.				TRINNIER CANAL--D-849, A-1551 From Greenwood Creek--Sec. 28-18-50 W.	
6-10	0.0			6- 2	0.0		
		THURMAN PUMP--A-11526 From Pumpkin Creek--Sec. 23-19-53 W.				CAPRON CANAL--D-890, A-9536 From Greenwood Creek--Sec. 15-18-50 W.	
6-10	0.0			6- 2	0.0		
		SEARS PUMP--A-2117 From Pumpkin Creek--Sec. 25-19-53 W.				MEGLEMERE CANAL--A-294, A-853 From Greenwood Creek--Sec. 3-18-50 W.	
6-10	0.0			6- 2	0.0		
		NIELSEN CANAL & PUMP--A-6811 From Pumpkin Creek--Sec. 30-19-52 W.				RADCLIFFE CANAL NO. 2--D-1034B From Cedar Creek--Sec. 34-18-48 W.	
6-10	1.30			7-10	1.24		
						RADCLIFFE CANAL NO. 1--D-1034A From Cedar Creek--Sec. 28-18-48 W.	
				7-10	3.91		
						RADCLIFFE CANAL NO. 3--D-1034C From Cedar Creek--Sec. 27-18-48 W.	
				7-10	1.14		

SOUTH PLATTE RIVER BASIN
(LOGGEPOLLE CREEK)

MEASUREMENT OF CANALS AND PUMPS Year Ending September 30, 1981					MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1981								
Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.				
		TRACY CANAL--A-870 From Lodgepole Creek--Sec. 12-14-59 W.					OWASCO CANAL--D-347, A-725 From Lodgepole Creek--Sec. 29-15-55 W.						
5- 8	0.0					10- 1	0.37	6- 2	0.0				
						5- 8	.0	7-23	2.04				
		HOOVER CANAL--D-353 From Lodgepole Creek--Sec. 12-14-59 W.							8-24	0.60			
5- 8	0.0							McINTOSH CANAL--D-351, A-734 From Lodgepole Creek--Sec. 23-15-55 W.					
		PLATT PUMP--A-12931 From Lodgepole Creek--Sec. 31-15-57 W.					10- 1	0.0	5- 8	0.0			
		6- 2	0.0	8- 3	0.0			6- 2	0.0	6-23	0.0		
10- 1	0.0			ADAMSON PUMP--A-13381 From Lodgepole Creek--Sec. 33-15-57 W.					CIRCLE ARROW CANAL--D-346 From Lodgepole Creek--Sec. 30-15-54 W.				
		5- 8	0.0	6- 2	0.0	10- 1	0.0	5- 8	0.0	6- 2	0.0		
10- 1	0.0			RUTTNER PUMP, NEW--A-857R From Lodgepole Creek--Sec. 33-15-56 W.					ADAMS CANAL--D-371 From Lodgepole Creek--Sec. 3-14-52 W.				
		5- 8	0.0	6- 2	0.0	6- 2	0.0			CHRISTENSEN CANAL, NORTH--D-367 From Lodgepole Creek--Sec. 7-14-51 W.			
10- 1	0.0			FERGUSON PUMP--D-345R, D-348R From Lodgepole Creek--Sec. 34-15-56 W.					6- 2	0.0			
		6- 2	0.0	8- 3	2.5	8-24	0.0			CHRISTENSEN CANAL, SOUTH--D-366 From Lodgepole Creek--Sec. 7-14-51 W.			
10- 1	0.0			HURLEY-LILLY-POLLY CANAL--D-354 From Lodgepole Creek--Sec. 26-15-56 W.					6- 2	0.0			
5- 8	.0			5- 8	0.0	8-24	0.0	10-10	0.0	BORDWELL CANAL, NORTH--D-303 From Lodgepole Creek--Sec. 35-14-49 W.			
10- 1	0.0			BICKEL-FADEN CANAL--D-347, A-719 From Lodgepole Creek--Sec. 30-15-55 W.									
		5- 8	0.0	6- 2	0.0					KRUEGER CANAL NO. 2--D-324 From Lodgepole Creek--Sec. 32-14-48 W.			
10- 1	0.0			ATKINS-POLLY CANAL--D-342, D-344, A-897R From Lodgepole Creek--Sec. 30-15-55 W.					10-13	0.0	5-14	0.0	
		6- 2	0.0	7-23	0.28	7-23	0.0				7- 7	0.0	
10- 1	0.61									KRUEGER CANAL NO. 3--D-323 From Lodgepole Creek--Sec. 32-14-48 W.			
5- 8	.0			8-24	0.0			5-15	0.70		7- 7	0.0	
										KRUEGER CANAL NO. 1--D-968 From Lodgepole Creek--Sec. 29-14-48 W.			
								10-10	0.0	5-14	0.24	7- 7	0.0
										HOWARD-RUTTNER CANAL--D-336 From Lodgepole Creek--Sec. 31-14-47 W.			
								5- 8	0.0				

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS Year Ending September 30, 1981						MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1981					
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>MIDDLE LOUP RIVER TO CONFLUENCE WITH SOUTH LOUP RIVER</u>											
			SMITH PUMP--A-12883 From Middle Loup River--Sec. 22-22-25 W.			8-10	0.8	8-10	1.4		
6-18	1.8										LARSON PUMP--A-6529 From South Loup River--Sec. 28-18-26 W.
			BALS PUMP--A-3368, A-6875 From Middle Loup River--Sec. 16-14-14 W.			7-22	0.7				CHESLEY PUMP--A-2037 From South Loup River--Sec. 9-16-24 W.
7-8	1.4										WOODWARD PUMP--A-5942 From South Loup River--Sec. 3-16-24 W.
			WHEELER PUMP--A-14106 From Wiggle Creek--Sec. 5-14-14 W.			7-22	0.9				PAYTON PUMP--A-5816 From South Loup River--Sec. 2-15-23 W.
7-6	0.0										PAULSEN FARMS PUMP--A-3332 From South Loup River--Sec. 24-15-22 W.
			JOHNSON PUMP--A-12650 From Middle Loup River--Sec. 29-13-12 W.			7-22	0.3				PAULSEN FARMS PUMP--A-4618 From South Loup River--Sec. 30-15-21 W.
7-1	0.8										THOMAS PUMP--A-5338 From South Loup River--Sec. 34-14-20 W.
			PRITCHAU PUMP--A-13283 From Middle Loup River--Sec. 26-13-13 W.			7-22	0.6				THOMAS PUMP--A-5338 From South Loup River--Sec. 34-14-20 W.
7-8	1.0							7-23	1.1		
			PRITCHAU PUMP--A-15737 From Middle Loup River--Sec. 26-13-13 W.			7-6	0.8				THOMAS PUMP--A-5338 From South Loup River--Sec. 34-14-20 W.
7-8	1.3										THOMAS PUMP--A-5338 From South Loup River--Sec. 34-14-20 W.
			PEDERSEN PUMP--A-9883 From Middle Loup River--Sec. 29-13-12 W.			7-23	0.9				DOBESH PUMP--A-6289 From South Loup River--Sec. 27-14-20 W.
7-1	1.5	7-6	1.5								DOBESH PUMP--A-6289 From South Loup River--Sec. 27-14-20 W.
			SMITH PUMP--A-14189 From Middle Loup River--Sec. 29-13-12 W.			7-23	1.4				DOWNY PUMP--A-14730 From South Loup River--Sec. 1-13-20 W.
7-6	0.3										DOWNY PUMP--A-14730 From South Loup River--Sec. 1-13-20 W.
			<u>SOUTH LOUP RIVER ABOVE MUD CREEK</u>								ECKHOUT PUMP--A-13404 From South Loup River--Sec. 2-12-7 W.
			LARSON PUMP--A-5765 From South Loup River--Sec. 21-18-26 W.			7-23	1.9				ECKHOUT PUMP--A-13404 From South Loup River--Sec. 2-12-7 W.
7-6	0.6					7-1	2.0				

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1981					MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1981				
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			GEORGE PUMP--A-10552 From South Loup River--Sec. 15-13-19 W.				FRANSSSEN PUMP--A-13722 From Mud (Beaver) Creek--Sec. 18-14-16 W.		
7-24	0.7					7-17	0.9		
			ROYLE PUMP--A-5625 From South Loup River--Sec. 4-11-16 W.						FELDMAN PUMP--A-4442 From Mud (Beaver) Creek--Sec. 20-14-16 W.
7-1	0.9					7-17	0.9		
			LAMMERS PUMP--A-3202 From South Loup River--Sec. 2-11-16 W.						KIEBORZ PUMP--A-10515 From Mud (Beaver) Creek--Sec. 29-14-16 W.
7-1	0.4					7-15	1.0		
			<u>MUD CREEK</u>						MADSEN PUMP--A-3115 From Mud (Beaver) Creek--Sec. 28-14-16 W.
			PETRIK PUMP--A-15294 From Mud (Beaver) Creek--Sec. 16-15-18 W.			7-17	0.6		
7-14	1.1								MADSEN-SIEGEL PUMP--A-7307 From Mud (Beaver) Creek--Sec. 34-14-16 W.
			LUTHER PUMP--A-5106 From Mud (Beaver) Creek--Sec. 25-15-18 W.			7-15	0.7		
7-20	1.4								MADSEN PUMP--A-2391 From Mud (Beaver) Creek--Sec. 33-14-16 W.
			JONES PUMP--A-4986 From Mud (Beaver) Creek--Sec. 30-15-17 W.			7-15	0.4		
6-23	0.9								WARDYN PUMP--A-6874 From Mud (Beaver) Creek--Sec. 33-14-16 W.
			CHAMBERLIN PUMP--A-13657 From Mud (Beaver) Creek--Sec. 32-15-17 W.			7-15	1.1		
7-20	1.0								REYNOLDS PUMP--A-10580 From Mud (Beaver) Creek--Sec. 34-14-16 W.
			WAGNER PUMP--A-3912, A-13352 From Mud (Beaver) Creek--Sec. 34&35-15-17 W.			7-16	1.4	7-20	1.7
6-23	1.2								CORNFORFORD PUMP--A-15465 From Mud (Beaver) Creek--Sec. 27-14-16 W.
			WAGNER PUMP--A-3912 From Mud (Beaver) Creek--Sec. 34-15-17 W.			7-20	0.6		
7-14	1.3								CHRISTENSEN PUMP--A-12952 From Mud (Beaver) Creek--Sec. 34-14-16 W.
			FRANSSSEN PUMP--A-1848 From Mud (Beaver) Creek--Sec. 13-14-17 W.			7-15	0.5		
7-15	1.4								

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			REYNOLDS PUMP--A-3801 From Mud (Beaver) Creek--Sec. 34-14-16 W.		
7-16	0.8				
			JOHNSON PUMP--A-7181 From Mud (Beaver) Creek--Sec. 35-14-16 W.		
7-16	0.8				
			RASMUSSEN PUMP--A-10827 From Mud (Beaver) Creek--Sec. 29-13-15 W.		
7-16	0.9				
			MORTENSEN PUMP--A-8388 From Mud (Beaver) Creek--Sec. 34-33-15 W.		
7-9	0.8	7-16	1.2		
			ASHER PUMP--A-9931 From Mud Creek--Sec. 34-13-15 W.		
6-23	2.2				
			McKEON PUMP--A-3895 From Mud (Beaver) Creek--Sec. 3-12-15 W.		
7-22	0.7				
			FRYE PUMP--A-3696 From Mud (Beaver) Creek--Sec. 2-12-15 W.		
7-9	0.9	7-17	0.6	7-20	0.9
			BROWN PUMP--A-1871 From Mud (Beaver) Creek--Sec. 1-12-15 W.		
6-24	0.9				
			KRICHAU PUMP--A-3552 From Mud (Beaver) Creek--Sec. 7-12-14 W.		
6-24	0.7				
			YANDA G. PUMP--A-9371 From Mud (Beaver) Creek--Sec. 7-12-14 W.		
6-24	1.2				

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	
			MOFFET PUMP--A-5364 From Mud (Beaver) Creek--Sec. 9-12-14 W.					
7-9	0.9							
			<u>MIDDLE LOUP RIVER, SOUTH LOUP TO NORTH LOUP RIVER</u>					
			JAKUBOWSKI PUMP--A-13332 From Oak Creek--Sec. 27-15-13 W.					
7-1	1.0							
			VOCKE PUMP--A-11598 From Oak Creek--Sec. 1-14-13 W.					
7-1	1.9							
			NOVAKOWSKI PUMP--A-10848, A-11055 From Oak Creek--Sec. 30-14-11 W.					
7-1	1.0							
			KROGH PUMP--A-2126, A-4487, A-14444, A-14445 From Oak Creek--Sec. 30-14-11 W.					
7-1	2.6							
			PETERSON PUMP--A-15418 From Oak Creek--Sec. 31-14-11 W.					
7-1	0.4							
			VOGT PUMP--A-13406 From Oak Creek--Sec. 10-13-11 W.					
7-6	0.6							
			RASMUSSEN PUMP--A-15636 From Turkey Creek--Sec. 34-15-12 W.					
6-30	0.7							
			BOYSEN PUMP--A-13651 From Turkey Creek--Sec. 17-11-14 W.					
7-15	0.7							
			BOYSEN PUMP--A-2778 From Turkey Creek--Sec. 20-14-11 W.					
6-30	1.6							

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1981					MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1981				
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
		MINGUS PUMP--A-10808 From Turkey Creek--Sec. 35-14-11 W.					W.P.R.S. (SCHERZBERG) PUMP--A-11374 From Calamus River--Sec. 9-22-17 W.		
6-30	1.1					7-9	1.0		
		CLAUSEN PUMP--A-14583 From Turkey Creek--Sec. 36-14-11 W.					BROWN PUMP--A-3906R From North Loup River--Sec. 22-20-15 W.		
6-29	1.0					7-9	0.9		
		KOPERSKI PUMP--A-13285 From Turkey Creek--Sec. 28-14-11 W.					PETSKA PUMP--A-14765 From Turtle Creek--Sec. 31-20-14 W.		
7-15	1.3					7-9	2.3		
		KOPERSKI PUMP--A-11111 From Turkey Creek--Sec. 25-14-11 W.					SHOEMAKER PUMP--A-12264, A-12675 From North Loup River--Sec. 26-19-13 W.		
6-30	1.8					6-26	1.9		
		NELSON PUMP--A-8730 From Middle Loup River--Sec. 29-13-11 W.					SCHUDEL PUMP--A-7301 From Kellogg Creek--Sec. 30-18-12 W.		
6-22	0.5					7-9	0.6		
		KUNZE PUMP--A-5477 From Middle Loup River--Sec. 25-15-10 W.					SCHUDEL PUMP--A-7428 From Mira Creek--Sec. 31-18-12 W.		
6-30	1.2					7-8	1.6		
		<u>NORTH LOUP RIVER</u>					POSS PUMP--A-9957 From North Loup River--Sec. 9-17-12 W.		
		SWITZER PUMP--A-2263R From North Loup River--Sec. 4-22-20 W.					BURTON PUMP--A-3785 From Wallace Creek--Sec. 9-17-12 W.		
6-18	1.1					7-8	0.3		
		PETERS PUMP--A-12964 From North Loup River--Sec. 29-21-17 W.					GOLDFISH PUMP--A-3770 From Wallace Creek--Sec. 16-17-12 W.		
6-18	0.8					7-8	2.2		
		MEEKS PUMP--A-15174 From Calamus River--Sec. 15-24-19 W.					PENNY PUMP--A-10420 From North Loup River--Sec. 22-17-12 W.		
7-10	1.7					7-8	1.4		
		W.P.R.S. (SCHRUP) PUMP--A-13750 From Calamus River--Sec. 32-23-17 W.							
6-22	1.0					7-8	1.7		

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
7-8	1.8	HANSEN PUMP--A-3032, A-10897, A-12753 From North Loup River--Sec. 22-17-12 W.			
7-8	1.7	HOLT PUMP--A-11094 From North Loup River--Sec. 27-17-12 W.			
7-8	4.7	PIERCE PUMP--A-2520 From North Loup River--Sec. 27-17-12 W.			
7-13	0.4	HICKMAN PUMP--A-15487 From Davis Creek--Sec. 6-16-13 W.			
7-6	0.6	DAVIS CREEK LAND & CATTLE CO. PUMP--A-15159 From Davis Creek--Sec. 34-17-12 W.			
7-8	5.7	JACOBSEN PUMP--A-7310, A-14639 From North Loup River--Sec. 36 & 35-17-12 W.			
6-22	1.0	INGRAM PUMP--A-2790 From North Loup River--Sec. 2-16-12 W.			
7-8	1.4	KEEP PUMP--A-13828 From North Loup River--Sec. 1-16-12 W.			
7-8	1.5	BARNES PUMP--A-6584, A-6585 From North Loup River & Fish Creek--Sec. 7-16-11 W.			
7-8	2.1	ENDER PUMP--A-13200 From North Loup River--Sec. 18-16-11 W.			

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
6-25	1.6	H. WELLS PUMP--A-5451 From North Loup River--Sec. 20-16-11 W.			
6-25	0.3	POSS PUMP--A-15853 From Munsen Creek--Sec. 2-15-12 W.			
7-20	1.1	LASSEN PUMP--A-15501, A-15802 From Munsen Creek--Sec. 1-15-12 W.			
7-6	0.6	KELLER & BURMOOD PUMP--A-14391 From Munsen Pump--Sec. 5-15-11 W.			
7-6	0.8	7-20	0.9	BURMOOD PUMP--A-14238 From Munsen Creek--Sec. 5-15-11 W.	
7-6	1.3	WILSON PUMP--A-14224 From Munsen Creek--Sec. 33-16-11 W.			
7-8	0.6	WILSON PUMP--A-14225 From North Loup River--Sec. 34-16-11 W.			
7-7	2.1	AUGUSTYN PUMP--A-7426 From North Loup River--Sec. 34-16-11 W.			
6-25	1.1	NOVOTNY PUMP--A-5476 From North Loup River--Sec. 34-16-11 W.			
7-6	0.7	NOWAK PUMP--A-9956 From North Loup River--Sec. 3-15-11 W.			

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			POLSKI PUMP--A-15779 From North Loup River (Trib. to)--Sec. 23-15-11 W.		
6-26	0.4				
			SCHMIDT PUMP--A-15922 From North Loup River (Trib. to)--Sec. 24-15-11 W.		
7-6	1.1				
			POSS PUMP--A-10135 From North Loup River--Sec. 18-15-10 W.		
6-25	1.4				
			POSS PUMP--A-13353 From North Loup River--Sec. 18-15-10 W.		
6-25	1.1				
			ANDERSON PUMP--A-3584, A-6277 From North Loup River--Sec. 17-15-10 W.		
7-7	1.0				
			HERBIG PUMP--A-8917 From North Loup River--Sec. 17-15-11 W.		
7-7	1.6				
			PAYNE PUMP--A-10775 From North Loup River--Sec. 16-15-10 W.		
6-25	1.4				
			WELLS PUMP--A-4279 From North Loup River--Sec. 16-15-10 W.		
6-25	2.0				
			PAYNE PUMP--A-2178, A-2808 From North Loup River--Sec. 16-15-10 W.		
6-25	2.0				
			PAYNE PUMP--A-2178R, A-6978 From North Loup River--Sec. 16 & 15-15-10 W.		
6-25	1.0				

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			JACOBSEN PUMP--A-5198, A-6280, A-10800 From North Loup River--Sec. 23-15-10 W.		
7-7	2.4				
			NELSON PUMP--A-4890 From North Loup River--Sec. 14-15-10 W.		
6-26	0.5				
			WILLMAN PUMP--A-5194 From North Loup River--Sec. 14-15-10 W.		
7-6	1.2				
			WUNDERLICH PUMP--A-8309 From North Loup River--Sec. 13-15-10 W.		
7-6	1.2				
			GLASS PUMP--A-10809 From North Loup River--Sec. 13-15-10 W.		
7-6	1.2				
			<u>LOWER LOUP RIVER ABOVE THE CEDAR RIVER</u>		
			KUNZE PUMP--A-11787 From Loup River--Sec. 17-15-9 W.		
6-30	1.2				
			ROTHER PUMP--A-13603 From Spring Creek--Sec. 18-17-9 W.		
6-17	0.1				
			WERNER PUMP--A-15151 From Loup River--Sec. 8-15-9 W.		
7-7	1.2				
			WAGNER PUMP--A-9609 From Loup River--Sec. 16-15-9 W.		
7-7	1.6				
			CORDING PUMP--A-5790 From Loup River--Sec. 12-15-9 W.		
7-7	1.6				

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1981					MEASUREMENT OF CANALS AND PUMPS--Continued Year Ending September 30, 1981				
Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			CORDING PUMP--A-12659 From Loup River--Sec. 11-15-9 W.				J. RUSSELL PUMP--A-12825, A-14718 From Loup River--Sec. 3-15-7 W.		
7-7	1.2					7-9	1.1		
			PAULSEN PUMP--A-3440 From Loup River--Sec. 12-15-9 W.						CUNNINGHAM PUMP--A-13581 From Loup River--Sec. 7-15-7 W.
7-7	1.5					7-9	1.5	7-20	1.7
			MILLER PUMP--A-14013 From Loup River--Sec. 7-15-8 W.						PETERSEN PUMP--A-14565 From Loup River--Sec. 3-15-7 W.
7-7	1.1					7-10	2.9		
			SCHUBERT PUMP--A-3543, A-5335, A-14670 From Loup River--Sec. 7-15-8 W.						ZIMMER PUMP--A-15043 From Loup River--Sec. 35-16-7 W.
7-7	2.4					7-9	1.7		
			A. RUSSELL PUMP--A-12114 From Loup River--Sec. 8-15-8 W.						CUNNINGHAM PUMP--A-15438 From Loup River--Sec. 35-16-7 W.
7-7	2.6					7-8	2.5		
			TIBBETTS PUMP--A-5623 From Loup River--Sec. 16-15-8 W.						SONDERUP PUMP--A-11438R, A-11908, A-11980 From Loup River--Sec. 36-16-7 W.
7-7	2.6					7-8	3.4		
			FORBES PUMP--A-4353 From Loup River--Sec. 15-15-8 W.						BROWN PUMP--A-6689 From Loup River--Sec. 36-15-7 W.
7-7	5.8					7-8	1.0		
			KILDAY PUMP--A-10239, A-13752 From Loup River--Sec. 12-15-8 W.						FORBES PUMP--A-11443 From Loup River--Sec. 36-16-7 W.
7-8	4.5					7-17	1.8		
			TIBBETTS PUMP--A-13591 From Loup River--Sec. 7-15-7 W.						A. E. RUSSELL PUMP--A-11128 From Loup River--Sec. 36-16-7 W.
7-8	3.3	7-8	2.0			7-10	3.8		
			A. RUSSELL PUMP--A-13679, A-14504, A-14966 From Loup River--Sec. 4-15-7 W.						WHITNEY PUMPS--A-5849, A-8492 & LESIAK PUMP--A-12994 From Loup River--Sec. 1-15-7 W.
7-9	5.3	7-20	5.3			7-10	1.9		

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			ZUROSKE PUMP--A-10759 From Loup River--Sec. 31-16-6 W.				
7-9	2.1						
			ZIMMER PUMP--A-15042 From Loup River--Sec. 29-16-6 W.				
7-9	1.6						
			CUNNINGHAM PUMP--A-8761 From Loup River--Sec. 21-16-6 W.				
7-17	0.5						
			VOICHOSKI PUMP--A-8949 From Loup River--Sec. 10-16-5 W.				
7-10	0.4	7-10	1.6				
			ZIEMBA PUMP--A-8689 From Loup River--Sec. 1-16-5 W.				
7-10	1.6						
			<u>CEDAR RIVER</u>				
			PITZER PUMP--A-15454 From Cedar River--Sec. 32-22-12 W.				
6-22	0.7						
			BRINKMAN PUMP--A-13810 From Cedar River--Sec. 33-21-11 W.				
7-13	0.9						
			STROMP PUMP--A-9104 From Cedar River--Sec. 10-20-10 W.				
7-13	0.7						
			GLASER PUMP--A-11954 From Cedar River--Sec. 1-20-11 W.				
6-22	1.0						
			BERGER PUMP--A-3654 From Cedar River--Sec. 34-20-9 W.				
7-13	1.5						

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			MARTINSEN PUMP--A-12680 From Cedar River--Sec. 8-19-8 W.				
6-23	1.0						
			PRIMROSE PUMP--A-4037 From Cedar River--Sec. 8-19-8 W.				
7-13	1.5						
			DOPSLAUF PUMP--A-2364 From Cedar River--Sec. 23-19-8 W.				
7-14	6.2						
			DOBSON & HAVLIK PUMP--A-2702 From Cedar River--Sec. 25-19-8 W.				
7-15	5.7						
			MAHONEY PUMP--A-10052 From Cedar River--Sec. 30-19-7 W.				
7-14	2.3						
			KERN PUMP--A-7970 From Cedar River--Sec. 32-19-7 W.				
7-15	0.4						
			KAYTON PUMP--A-15958 From Cedar River--Sec. 5-18-7 W.				
7-15	1.2						
			BRAUN PUMP--A-2993 From Cedar River--Sec. 5-18-7 W.				
7-14	2.5						
			RUDMAN PUMP--A-7882 From Cedar River--Sec. 9-18-17 W.				
7-14	0.9						
			DAVIS PUMP--A-6527, A-6941 From Cedar River--Sec. 10-18-7 W.				
6-25	1.4						

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			ZARUBA PUMP--A-15930 From Cedar River--Sec. 22-18-7 W.				
7-17	0.9						
			McBRIDE PUMP--A-12064 From Cedar River--Sec. 26-18-7 W.				
7-17	0.8						
			TOMLINSON PUMP--A-6478 From Cedar River--Sec. 26-18-7 W.				
6-26	0.9						
			CHANNER PUMP--A-4411 From Cedar River--Sec. 35-18-7 W.				
7-14	1.5						
			ROBINSON PUMP--A-3686, A-8301 From Cedar River--Sec. 35-18-7 W.				
7-14	3.4						
			CASPER PUMP--A-6487 From Cedar River--Sec. 36-18-7 W.				
7-14	0.9						
			SCOTT PUMP--A-13939 From Cedar River--Sec. 36-18-7 W.				
6-25	2.1						
			SCOTT PUMP--A-3682, A-4058 From Cedar River--Sec. 35-18-7 W.				
7-20	1.9						
			SCOTT PUMP--A-15535 From Cedar River--Sec. 1-17-7 W.				
7-14	0.5						
			SCOTT PUMP--A-2887, A-4055, A-4609 From Cedar River--Sec. 1-17-7 W.				
6-26	4.1						

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			SAMPLE PUMP--A-10123 From Cedar River--Sec. 12-17-7 W.				
7-15	2.2						
			MALANDER PUMP--A-8905 From Cedar River--Sec. 12-17-7 W.				
7-15	0.5						
			VOSBURGH PUMP--A-4059 From Cedar River--Sec. 13-17-7 W.				
6-25	4.9						
			BROWN PUMP--A-8986 From Cedar River--Sec. 17 & 24-17-7 W.				
6-18	2.5	6-25	3.4				
			CROUSE PUMP--A-5182 From Cedar River--Sec. 24-17-7 W.				
6-26	2.9						
			OLSEN PUMP--A-6993 From Cedar River--Sec. 24-17-7 W.				
6-26	1.6						
			NORE PUMP--A-11024, A-11434 From Cedar River--Sec. 19-17-6 W.				
6-26	2.3						
			SWANSON PUMP--A-4208 From Cedar River--Sec. 19-17-6 W.				
7-16	0.8						
			NELSON PUMP--A-13198 From Cedar River--Sec. 19-17-6 W.				
6-18	0.5						
			FRENZEN PUMP--A-2240 From Cedar River--Sec. 30-17-6 W.				
7-15	1.6	7-15	1.8				

PLATTE RIVER BASIN
(LOUP RIVER)

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
		TWIESTMEYER PUMP--A-10009 From Timber Creek--Sec. 25-17-7 W.			
7-16	0.8				
		TOPINKA-CROUSE PUMP--A-7452 From Timber Creek--Sec. 31-17-6 W.			
7-16	1.6				
		CROUSE PUMP--A-8681, A-8682, A-11743 From Cedar River--Sec. 30-17-6 W.			
6-26	1.4				
		TOPINKA PUMP--A-2979, A-6998, A-8456 From Cedar River--Sec. 31-17-6 W.			
7-16	1.5				
		SPRAGUE PUMP--A-5528 From Cedar River--Sec. 29-17-6 W.			
6-26	2.2				
		MALANDER PUMP--A-14904 From Cedar River--Sec. 29-17-6 W.			
7-15	2.2	7-15	1.7		
		KAYTON PUMP--A-11784 From Cedar River--Sec. 32-17-6 W.			
6-26	2.9	6-26	2.2		
		FRENZEN PUMP--A-3071 From Cedar River--Sec. 29-17-6 W.			
7-15	2.2				
		ZYWIEC PUMP--A-12208 From Cedar River--Sec. 33-17-6 W.			
7-15	1.5				
		SMITH PUMP--A-10818 From Cedar River--Sec. 4-16-6 W.			
7-16	1.6				

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
		DOUTHIT PUMP--A-8729, A-15004 From Cedar River--Sec. 4-16-6 W.			
6-26	3.0				
		DOUTHIT PUMP--A-8729, A-15005 From Cedar River--Sec. 33-17-6 W.			
7-26	3.5				
		CUNNINGHAM PUMP--A-12185 From Cedar River--Sec. 3-16-6 W.			
7-16	4.2	7-20	2.2		
		HELD PUMP--A-6633 From Cedar River--Sec. 12-16-6 W.			
7-16	1.0				

LITTLE NEMAHA RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
			SNYDER PUMP--A-12730, A-15284 From Little Nemaha River--Sec. 34 & 28-8-11 E.				
7-20	1.45						
			SHOEMAKER PUMP--A-7946 From Little Nemaha River--Sec. 13-7-11 E.				
7-20	1.10						
			SNYDER PUMP--A-12553 From Little Nemaha River--Sec. 2-7-11 E.				
7-20	1.0						
			SNYDER PUMP--A-7890R From Little Nemaha River--Sec. 34-8-11 E.				
7-12	1.67	7-20	0.93	7-14	1.09		

REPUBLICAN RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
<u>UPPER REPUBLICAN RIVER</u>							
CREWS CANAL--D-1025R From Republican River, North Fork--Sec. 21-1-41 W.							
9-21	3.26						
JENKINS CANAL--A-924 From Buffalo Creek--Sec. 18-1-40 W.							
7-16	1.27	8-11	0.95				
ALLEN-LARNED CANAL--D-117 From Buffalo Creek--Sec. 18-1-40 W.							
7-16	4.79	8-11	6.78				
PARKS CANAL--A-1202, A-1444, A-1555 From Republican River--Sec. 20-1-39 W.							
8-24	6.82	9-21	4.84				
REISHER CANAL--A-3221 From Republican River--Sec. 30-1-38 W.							
6-22	2.71	8-25	3.16				

BIG BLUE RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
<u>UPPER BIG BLUE</u>							
MEINBERGER PUMP--A-4630 From Big Blue River--Sec. 7-11-3 E.							
6-22	0.90						
AEGERTER PUMP--A-4678; A-12314 From Big Blue River--Sec. 17-11-3 E.							
6-30	0.99						
GRUNTORAD PUMP--A-10883 From Big Blue River--Sec. 18-11-3 E.							
6-30	1.28						
GRUNTORAD PUMP--A-2816 From Big Blue River--NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-11-3 E.							
7-10	1.66	7-13	1.30	7-15	1.24		
EHLERS PUMP--A-8794 From Big Blue River--Sec. 18-11-3 E.							
7-2	0.82						
KRUSE PUMP--A-2776 From Big Blue River--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 20-11-3 E.							
6-29	1.11	6-29	2.60	7-13	1.38	7-14	1.11
KRUSE PUMP--A-2776; A-2766 From Big Blue River--Sec. 20-11-3 E.							
6-26	1.12						
KRUSE PUMP--A-2766, A-2883, A-6233 From Big Blue River--SW $\frac{1}{4}$ NW $\frac{1}{4}$ & SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19-11-3 E.							
6-26	1.59	7-8	2.61	7-14	2.00	7-16	2.52
6-29	2.03	7-13	2.00				
BRAUER PUMP--A-14009 From Lincoln Creek--Sec. 3-11-2 E.							
7-2	1.56						

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
GEHLE PUMP--A-5427; A-6064 From Lincoln Creek--Sec. 13 & 14-11-2 E.							
6-24	1.81						
KRUSE PUMP--A-2883; A-6233 From Lincoln Creek--Sec. 19-11-3 E.							
6-29	2.03						
ROCKER PUMP--A-13927 From Lincoln Creek--Sec. 19-11-2 E.							
6-24	1.20						
SCHLUCKEBIER PUMP--A-2470 From Big Blue River--Sec. 28-11-3 E.							
7-14	1.33						
KREMER PUMP--A-6995 From Big Blue River--NE $\frac{1}{4}$ NW $\frac{1}{4}$ & NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 3-10-3 E.							
7-1	1.82	7-4	1.14	7-7	1.10	7-11	1.38
7-2	.94	7-6	.80	7-10	.90	7-13	1.38
7-3	.96						
CURTIS PUMP--A-2992; A-6051 From Big Blue River--NE $\frac{1}{4}$ SW $\frac{1}{4}$ & SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 3 & 10-10-3 E.							
7-1	1.48	7-10	1.73	7-12	1.07	7-14	1.21
7-2	1.21	7-11	2.25	7-13	.69	7-16	1.90
7-6	1.66						
HACKBART PUMP--A-7455 From Big Blue River--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22-10-3 E.							
7-3	1.38						
OLSON PUMP--A-2453; A-4152; A-6246 From Big Blue River--NE $\frac{1}{4}$ SE $\frac{1}{4}$ & SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22-10-3 E.							
6-30	1.38	7-4	1.44	7-10	1.50	7-14	1.38
7-2	1.38	7-6	1.42	7-11	1.44	7-16	1.44
7-3	1.94	7-7	1.59	7-13	1.33		

BIG BLUE RIVER BASIN

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
GROSSERODES PUMP--A-4121; A-4657; A-8695 From Big Blue River--SE&SW Sec. 26-10-3 E.							
6-26	1.88	7-2	2.22	7-7	2.33		
ROTH PUMP--A-9703 From Big Blue River--SE&NW Sec. 35-10-3 E.							
7-7	0.90						
HAUDER PUMP--A-8904 From Big Blue River--NW&SE & SW&NE Sec. 35-10-3 E.							
6-30	2.25	7-2	1.48	7-6	1.62	7-7	1.44
7-1	1.66	7-4	1.79				
VOSTA PUMP--A-10273 From Big Blue River--SW&SE Sec. 13-9-3 E.							
7-7	1.11						
LUEBBE PUMP--A-9286 From Big Blue River--Sec. 13-9-3 E.							
7-7	0.80						
KREMER PUMP From Big Blue River--Sec. 19-9-4 E.							
6-30	1.04	7-1	1.33	7-6	1.28	7-7	1.77
FORST PUMP--A-9222 From Big Blue River--NE&SE Sec. 19-9-4 E.							
6-29	1.56	6-30	1.33	7-1	1.38	7-7	1.21
BURNS PUMP--A-5961 From Big Blue River--SW&SW Sec. 20-9-4 E.							
6-25	2.60	6-29	1.00	7-7	0.95	7-13	2.00
6-25	1.33	6-30	.83				
HAVLAT PUMP--A-10728 From Big Blue River--NE&SE Sec. 30-9-4 E.							
7-4	1.30	7-6	1.21	7-7	1.24	7-10	1.38

MEASUREMENT OF CANALS AND PUMPS--Continued
Year Ending September 30, 1981

Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.	Date	Diversion Sec.-Ft.
SIEDHOFF PUMP--A-9002 From Big Blue River--NW&NW Sec. 32-9-4 E.							
6-25	0.66	6-29	1.56	7-1	1.21	7-4	1.38
6-26	2.22	6-30	1.00	7-2	1.55	7-15	1.28
JIRSA PUMP--A-8839 From Big Blue River--SE&NE Sec. 32-9-4 E.							
6-25	1.13	6-29	1.56	7-2	2.08	7-3	1.73
6-26	1.94	6-30	1.13				

MISCELLANEOUS DATA**1981**

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

	Normal		1981	
	Monthly	Accumulative	Monthly	Accumulative
*MITCHELL STATION, SCOTTSBLUFF COUNTY--ELEVATION 4080				
October	0.79	0.79	0.61	0.61
November	0.33	1.12	0.21	0.82
December	0.29	1.41	0.04	0.86
January	0.25	1.66	0.06	0.92
February	0.24	1.90	0.02	0.94
March	0.56	2.46	0.50	1.44
April	1.31	3.77	1.26	2.70
May	2.63	6.40	3.10	5.80
June	3.41	9.81	3.15	8.95
July	1.56	11.37	3.64	12.59
August	1.16	12.53	1.86	14.45
September	1.07	13.60	0.50	14.95
*68 year record				
*BRIDGEPORT STATION, MORRILL COUNTY--ELEVATION 3666				
October	0.83	0.83	0.33	0.33
November	0.38	1.21	0.12	0.45
December	0.34	1.55	0.08	0.53
January	0.35	1.90	0.09	0.62
February	0.29	2.19	0.02	0.64
March	0.72	2.91	0.55	1.19
April	1.42	4.33	1.65	2.84
May	3.10	7.43	2.83	5.67
June	3.67	11.10	1.46	7.13
July	2.40	13.50	2.11	9.24
August	1.38	14.88	1.75	10.99
September	1.42	16.30	0.43	11.42
*83 year record				
*OSHKOSH STATION, GARDEN COUNTY--ELEVATION 3393				
October	0.99	0.99	0.84	0.84
November	0.57	1.56	0.26	1.10
December	0.35	1.91	0.01	1.11
January	0.35	2.26	0.26	1.37
February	0.38	2.64	0.05	1.42
March	0.83	3.47	1.87	3.29
April	1.66	5.13	2.79	6.08
May	3.16	8.29	6.12	12.20
June	3.27	11.56	1.27	13.47
July	2.64	14.20	3.77	17.24
August	2.03	16.23	2.99	20.23
September	1.50	17.73	0.34	20.57
*68 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1981	
	Monthly	Accumulative	Monthly	Accumulative
*NORTH PLATTE STATION, LINCOLN COUNTY--ELEVATION 2775				
October	0.99	0.99	1.00	1.00
November	0.52	1.51	0.13	1.13
December	0.41	1.92	0.02	1.15
January	0.45	2.37	0.07	1.22
February	0.52	2.89	0.05	1.27
March	0.99	3.88	2.72	3.99
April	1.93	5.81	2.47	6.46
May	3.26	9.07	5.37	11.83
June	3.77	12.84	2.32	14.15
July	2.98	15.82	5.09	19.24
August	2.07	17.89	0.22	19.46
September	2.01	19.90	0.25	19.71
*41 year record				
*GOTHENBURG STATION, DAWSON COUNTY--ELEVATION 2565				
October	1.16	1.16	1.19	1.19
November	0.54	1.70	0.03	1.22
December	0.45	2.15	0.03	1.25
January	0.45	2.60	0.18	1.43
February	0.54	3.14	0.12	1.55
March	1.15	4.29	3.29	4.84
April	2.03	6.32	No record	
May	3.25	9.57	5.12	
June	4.43	14.00	5.41	
July	2.82	16.82	6.06	
August	2.53	19.35	No record	
September	2.08	21.43	" "	
*86 year record				
*GRAND ISLAND STATION, HALL COUNTY--ELEVATION 1841				
October	1.08	1.08	1.46	1.46
November	0.61	1.69	0.12	1.58
December	0.56	2.25	0.18	1.76
January	0.52	2.77	0.16	1.92
February	0.76	3.53	0.19	2.11
March	1.18	4.71	3.14	5.25
April	2.47	7.18	1.14	6.39
May	3.78	10.96	4.28	10.67
June	4.40	15.36	0.60	11.27
July	3.00	18.36	3.45	14.72
August	2.54	20.90	4.38	19.10
September	2.51	23.41	0.93	20.03
*89 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1981	
	Monthly	Accumulative	Monthly	Accumulative
*SIDNEY STATION, CHEYENNE COUNTY--ELEVATION 4320				
October	1.03	1.03	0.26	0.26
November	0.49	1.52	0.40	0.66
December	0.39	1.91	0.22	0.88
January	0.30	2.21	0.13	1.01
February	0.32	2.53	0.64	1.65
March	0.88	3.41	3.17	4.82
April	1.64	5.05	2.09	6.91
May	3.27	8.32	5.89	12.80
June	3.56	11.88	1.88	14.68
July	2.53	14.41	4.00	18.68
August	1.79	16.20	2.93	21.61
September	1.35	17.55	0.13	21.74
*52 year record				
*ORD STATION, VALLEY COUNTY--ELEVATION 2070				
October	1.41	1.41	3.00	3.00
November	0.63	2.04	0.01	3.01
December	0.65	2.69	0.29	3.30
January	0.62	3.31	0.01	3.31
February	0.86	4.17	0.41	3.72
March	1.40	5.57	1.15	4.87
April	2.25	7.82	0.74	5.61
May	3.39	11.21	4.30	9.91
June	4.33	15.54	1.66	11.57
July	2.68	18.22	3.43	15.00
August	2.64	20.86	9.46	24.46
September	2.39	23.25	1.50	25.96
*90 year record				
*FORT ROBINSON, DAWES COUNTY--ELEVATION 3807				
October	1.00	1.00	No record	
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	0.06	
April	1.86	5.72	0.31	
May	3.59	9.32	2.20	
June	3.83	13.14	1.95	
July	2.14	15.28	4.10	
August	1.47	16.75	2.75	
September	1.34	18.09	No record	
*97 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1981	
	Monthly	Accumulative	Monthly	Accumulative
*CULBERTSON STATION, HITCHCOCK COUNTY--ELEVATION 2720				
October	1.31	1.31	0.16	0.16
November	0.64	1.95	0.07	0.23
December	0.49	2.44	0.04	0.27
January	0.47	2.91	0.27	0.54
February	0.53	3.44	0.13	0.67
March	1.07	4.51	2.40	3.07
April	1.84	6.35	4.41	7.48
May	3.26	9.61	5.93	13.41
June	3.46	13.07	2.17	15.58
July	3.32	16.39	6.93	22.51
August	2.46	18.85	1.48	23.99
September	1.92	20.77	0.25	24.24
*93 year record				
*GENOA STATION, NANCE COUNTY--ELEVATION 1590				
October	1.38	1.38	1.66	1.66
November	0.58	1.96	0.22	1.88
December	0.70	2.66	0.25	2.13
January	0.47	3.13	0.07	2.20
February	0.90	4.03	0.28	2.48
March	1.20	5.23	2.77	5.25
April	2.42	7.65	0.66	5.91
May	3.78	11.43	3.87	9.78
June	4.80	16.23	3.11	12.89
July	3.26	19.49	2.84	15.73
August	3.07	22.56	8.53	24.26
September	2.68	25.24	2.31	26.57
*105 year record				
*HOLDREGE STATION, PHELPS COUNTY--ELEVATION 2330				
October	1.53	1.53	0.58	0.58
November	0.60	2.13	0.03	0.61
December	0.58	2.71	0.13	0.74
January	0.58	3.29	0.01	0.75
February	0.80	4.09	0.13	0.88
March	1.33	5.42	1.24	2.12
April	2.29	7.71	2.43	4.55
May	4.07	11.78	4.62	9.17
June	4.83	16.61	1.92	11.09
July	3.12	19.73	7.25	18.34
August	2.65	22.38	4.27	22.61
September	2.56	24.94	1.77	24.38
*91 year record				

MONTHLY EVAPORATION IN FEET--1981

STATION	May	June	July	Aug.	Sept.	Total
Pathfinder Dam	0.513	0.902	0.889	0.802	0.801	3.907
Whalen Dam	0.510	0.896	0.836	0.692	0.523	3.457
Bridgeport	0.538	0.858	0.894	0.675	0.563	3.528
Kingsley Dam	/	0.525	0.605	0.446	0.371	
North Platte	0.500	0.830	0.937	0.630	0.633	3.530

All are United States Weather Bureau Class "A" pans

/No record reported

DIVERSIONS FROM DRAINS BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

Values in Acre-feet

For Water Year Ending September 30, 1981

	Apr.	May	June	July	Aug.	Sept.	Total
Tri-State Canal from:							
Akers Draw.....	0	480	70	0	0	50	600
Sheep Creek.....	0	2750	110	0	0	0	2860
Wet Spottedtail Creek.....	0	420	0	0	0	120	540
Tub Springs.....	0	390	0	0	0	80	470
Dry Spottedtail Creek.....	0	230	0	0	0	350	580
Alliance Drain.....	0	0	150	690	730	490	2060
Northport Canal from:							
Akers Draw.....	0	80	510	720	890	660	2860
Sheep Creek.....	0	530	3270	4250	5200	4710	17960
Dry Spottedtail Creek.....	0	40	350	1130	1380	870	3770
Wet Spottedtail Creek.....	0	50	490	1110	1260	1450	4360
Tub Springs.....	0	60	660	2080	2260	1920	6980
Enterprise Canal from:							
Dry Spottedtail Creek.....	0	0	0	0	0	0	0
Morrill Drain.....	0	90	40	220	130	120	600
Winter Creek.....	0	60	120	120	120	50	470
Tub Springs.....	0	0	0	0	0	0	0
Winter Creek Canal from:							
Winter Creek.....	40	1380	1370	2110	2590	1920	9410
Alliance Canal from:							
Bayard Drain.....	1430	1690	1950	1560	480	1730	8840
Red Willow Creek.....	530	1340	1720	3020	3400	2130	12140
Totals.....	2000	9590	10810	17010	18440	16650	74500

DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
Values in Acre-feet
For Water Year Ending September 30, 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
*Bald Drain	320	70	120	70	110	60	10	40	880	730	700	1020	4130
Bayard Sugar Factory Drain	2530	1550	1350	1140	990	1110	470	490	720	2800	3980	1820	18950
^Cleveland Drain	240	60	60	60	60	60	160	700	990	900	410	880	4580
*DeGraw Drain	260	250	190	150	190	120	100	90	80	340	460	420	2650
Dugout Creek, Upper	670	540	440	380	250	190	150	130	1480	1700	1340	1410	8680
*Fairfield Seep	120	120	60	30	50	0	20	60	60	90	110	100	820
*Fanning Seep	0	0	0	0	0	0	0	0	0	0	0	0	0
Gering Drain	2260	1870	1760	1560	1380	1440	1520	2780	5110	6104	6940	8570	41330
Horse Creek	6870	2400	1800	1390	1120	1160	810	1540	6930	10940	8420	12460	55840
^Indian Creek	530	420	430	330	280	280	250	370	770	1670	1920	2030	9280
*Lane Drain	120	120	120	120	60	120	120	110	100	120	120	120	1350
^Melbeta Drain	230	120	120	120	110	60	0	260	210	980	800	1230	4240
Nine Mile Drain	8660	6660	5680	5220	4480	4970	3900	5140	4630	10130	11780	11150	82400
Red Willow Creek	7500	5160	4680	4130	3390	3620	4080	5250	4760	8690	8590	9140	68990
*Scottsbluff Drain No. 1	160	120	120	180	120	70	70	130	150	150	180	150	1600
*Scottsbluff Drain No. 2	280	120	120	120	110	120	70	160	190	290	310	210	2100
Sheep Creek	6800	6020	5690	5120	4340	4640	4280	660	180	680	270	1380	40060
Spottedtail Creek, Dry	1850	1300	970	780	840	1030	1500	1430	1940	5850	3790	4350	25630
Spottedtail Creek, Wet	750	650	590	580	420	500	470	480	440	770	940	840	7430
Tub Springs Creek	3360	2590	2390	2060	1700	1570	1400	1970	1950	3150	2780	3300	28220
Winters Creek	4130	3180	2750	2380	2250	2380	2320	1170	2220	4070	4060	4200	35110
Totals	47640	33320	29440	25920	22250	23500	21700	22960	33790	60190	57900	64780	443390

*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, 1981

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Guernsey to Whalen	15470	0	0	0	0	0	4160	24190	125390	199930	191370	141490	702000
Whalen to State Line	60	0	0	0	0	0	0	11110	19750	30480	28300	19980	109680
State Line to Mitchell	0	0	0	0	0	0	190	16460	49330	92320	82740	50310	291350
Mitchell to Minatare	3290	0	0	0	0	0	1340	6840	10170	16010	15270	11210	64130
Minatare to Bridgeport	4780	0	0	0	0	0	4410	11770	19900	25140	22010	18410	106420
Bridgeport to Lisco	860	0	0	0	0	0	0	2400	5150	7950	6150	4800	28310
Lisco to Keystone	3580	990	0	0	0	0	1200	8390	5610	7320	6750	5140	39980
Keystone to North Platte	570	0	0	0	0	0	5080	10900	13480	29390	20840	18980	99240
North Platte to Odessa	30	0	0	0	0	0	17420	60900	83170	172080	99590	13490	446680
Total, Guernsey-Odessa	28640	990	0	0	0	0	33800	152960	333950	530620	473020	283810	1887790

SUMMARY
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1981		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Ainsworth	34673	67700	1.95
Alliance	6318	20980	3.32
Bartley	6600	7850	1.19
Beerline	2080	2050	0.99
Belmont	8978	31400	3.50
Birdwood	5287	2980	0.56
Blue Creek	2834	4710	1.66
Browns Creek	6126	14020	2.29
Cambridge	17156	20530	1.20
Castle Rock-Steamboat	6507	23440	3.60
Central	1984	6970	3.51
Champion	840	2230	2.65
Chimney Rock	5269	17280	3.28
Cody-Dillon	4782	3190	0.67
Court House Rock	1490	910	0.61
Courtland for Nebr lands	1425	630	0.44
Cozad	16742	30040	1.79
Culbertson	20715	31550	1.52
Dawson County	34317	61160	1.78
Earnest	441	500	1.13
Empire	2191	5210	2.38
Enterprise	7295	22970	3.15
Farwell	51050	117470	2.30
Fort Laramie for Wyo lands	50210	173040	3.45
Fort Laramie for Nebr lands	54846	117920	2.15
Franklin	11260	15950	1.42
Franklin Pump	2118	1070	0.51
Gering	12255	40430	3.30
**Gothenburg	18418	41210	2.24
Graf	774	1730	2.24
Harris-Neece	1109	1080	0.97
Hooper	372	2090	2.40
Interstate for Wyo & Nebr lands	112449	411040	3.66

SUMMARY
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1981		
	Acreage *Irrigated	Acre-feet Total	Diverted Per acre
**Kearney	7693	9710	1.26
Keith-Lincoln Co.	5528	16520	2.99
Last Chance	404	240	0.59
Lichte	519	250	0.48
Lisco	3838	10600	2.76
McGinley-Stover	695	50	0.07
McLaughlin	500	250	0.50
Meeker-Driftwood	15581	29960	1.92
Meredith-Ammer	336	490	1.46
Middle Loup PPID No. 1	3812	4630	1.21
Middle Loup PPID No. 2	6644	5830	0.88
Middle Loup PPID No. 3	11947	13350	1.12
Middle Loup PPID No. 4	11599	14340	1.24
Midland-Overland	2206	1520	0.69
Minatare	9212	18530	2.01
Mirage Flats	11669	15470	1.33
Mitchell	13565	21360	1.57
Moore-Kay	400	0	0
Naponee	1761	1600	0.91
Nine Mile	6150	19830	3.22
No. Loup PPID-Taylor-Ord	15049	22110	1.47
No. Loup PPID-Burwell-Sumter	8755	13560	1.55
No. Loup PPID-Ord North Loup	6948	12630	1.82
North Platte	14295	43890	3.07
Northport	16080	35670	2.22
Orchard-Alfalfa	5975	9440	1.58
Paisley	1086	3140	2.89
Paxton-Hershey	7323	15010	2.05
Pioneer	358	0	0
Potmesil	618	670	1.08
Ramshorn	1651	0	0
Red Willow	4844	5140	1.06
Sargent	13884	16720	1.20
Sheridan-Wilson	918	960	1.05
Short Line	2752	10400	3.78
Six Mile	1243	1250	1.01

SUMMARY
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1981		
	Acreage *Irrigated	Acre-feet Total	Diverted Per acre
Suburban	5472	16690	3.05
Superior	5943	8590	1.45
Thirty Mile	22884	39490	1.73
**Tri-County	112972	254390	2.25
Tri-State	63368	186540	2.94
Union	1257	2390	1.90
Western	12443	24400	1.96
Winters Creek	5745	5780	1.01

*Annual acreage reports filed by April 1, which listed lands intended to be irrigated
**For irrigation exclusive of power

COMPARISON OF STORAGE IN RESERVOIRS

Name of Reservoir	Capacity Top of Irrig. Pool Acre-feet	Maximum Storage 1981		Carryover Sept. 30, 1981	
		Acre-feet	%Average	Acre-feet	%Average
Pathfinder (ownership)	a 1,015,890	800,150	87%	100,800	26%
1 Glendo (ownership)	a 184,870	174,590	109%	129,120	97%
Lake C. W. McConaughy	a 1,948,000	1,678,800	97%	1,424,000	101%
Oliver	e 2,678	4,330		2,310	
Whitney	a 1,000	9,170	90%	1,750	51%
Crescent Lake	a 7,000	1,700	99%	952	128%
Box Butte	a 31,060	16,020	79%	2,950	62%
2 Enders	a 44,480	30,030	73%	17,080	100%
2 Harry Strunk Lake	a 37,140	40,270	95%	36,720	150%
2 Swanson Lake	a 120,160	122,900	105%	88,140	125%
2 Harlan County	a 342,560	252,500	72%	259,260	99%
2 Hugh Butler Lake	b 37,780	29,040	82%	25,520	94%
Sherman	c 69,080	69,360	105%	55,170	135%
Merritt	d 74,490	76,840	105%	55,310	112%

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 1960-1981 record for average
- b 1962-1981 record for average
- c 1963-1981 record for average
- d 1964-1981 record for average
- e 1981 (A-15524) Water stored for recreation - no irrigation

ANNUAL MAXIMUM WITHDRAWAL OF MUNICIPAL WELLS (GALLONS PER DAY)

City	Permitted to Withdraw	1967	1968	1969	1970	1971
Alliance	7,500,000	10,572,000	11,457,000	12,062,000	11,753,000	13,468,000
Ashland	360,000	720,000	572,000	658,000	384,000	505,000
Beatrice	6,500,000	-----	-----	-----	-----	5,801,000
Bellevue	10,000,000	2,626,900	2,651,800	2,213,300	2,885,000	2,900,000
Columbus	12,160,000	5,752,800	3,520,400	4,210,032	4,333,000	3,735,710
Fairbury	5,000,000	1,201,847	2,109,000	3,000,000	3,000,000	3,013,900
Fremont	98,000,000	35,800,000	37,200,000	39,000,000	42,600,000	44,300,000
Gothenburg	1,325,000	-----	-----	-----	1,728,000	1,609,700
Grand Island	119,184,000	39,356,000	35,063,000	43,164,000	54,668,000	42,840,000
Harvard	2,000,000	-----	569,750	627,900	1,007,718	974,950
Hastings	30,400,000	15,293,300	18,700,000	15,213,000	-----	-----
Holdrege	10,000,000	3,040,000	4,245,000	3,964,300	4,410,000	4,534,000
Kimball	5,300,000	-----	1,900,000	-----	-----	-----
Laurel	250,000	250,000	469,200	307,000	400,000	480,000
Leigh	130,000	110,000	70,000	63,000	155,000	165,000
Lincoln	72,000,000	64,697,500	69,732,500	68,250,000	82,000,000	80,200,000
Minden	864,000	296,967	720,000	1,357,376	1,270,987	1,452,176
Nebraska City	5,000,000	3,129,000	3,785,000	3,167,000	4,470,000	4,470,000
North Platte	16,920,000	10,185,000	-----	12,295,000	14,759,000	12,050,000
Omaha (M.U.D.)	60,000,000	2,000,000	49,900,000	43,400,000	52,270,000	54,380,000
Papillion	5,000,000	300,000	700,000	61,000	180,000	200,000
Plattsmouth	3,000,000	905,760	1,038,000	894,900	1,167,600	1,097,700
Reynolds	216,000	100,000	50,000	-----	50,000	33,000
Scottsbluff	10,000,000	6,463,128	7,002,214	7,560,000	6,430,000	7,270,000
Seward	8,000,000	2,934,000	1,805,000	1,603,000	1,691,285	168,224
Superior	3,100,000	1,500,000	-----	977,700	1,262,000	-----
Sutton	730,000	250,000	225,000	275,000	400,000	1,000,000
Syracuse	300,000	273,305	289,000	266,000	306,630	287,292
Wakefield	10,000,000	475,000	300,000	-----	95,000	110,000

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

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

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

City	1978	1979	1980	1981
Alliance	3,951,000	6,030,000	8,360,000	8,910,000
Ashland	1,800,000	187,660	1,324,000	1,324,000
Beatrice	4,929,348	5,101,623	5,800,000	5,806,100
Bellevue	1,770,000	1,656,100	1,801,200	2,257,900
Columbus	4,769,000	8,087,000	8,087,000	8,043,000
Fairbury	3,090,000	2,930,200	3,659,000	3,006,100
Fremont	40,333,000	32,478,000	42,027,000	24,065,000
Gothenburg	2,813,000	2,307,700	5,245,800	3,425,500
Grand Island	38,336,500	40,067,600	42,379,200	40,537,500
Harvard	286,950	653,257	864,870	445,064
Hastings	16,641,725	17,354,300	15,532,100	13,849,225
Holdrege	5,779,000	4,144,400	5,707,300	5,300,200
Kimball	1,768,540	1,550,000	-----	1,593,300
Laurel	500,000	500,000	500,000	500,000
Leigh	60,000	120,000	497,000	325,000
Lincoln	73,881,736	74,210,000	85,904,000	89,158,100
Minden	2,303,750	2,120,000	2,196,750	1,744,750
Nebraska City	4,230,000	3,850,000	3,900,000	4,290,000
North Platte	16,211,215	7,067,000	18,530,715	17,890,375
Omaha (M.U.D.)	56,720,000	56,790,000	58,140,000	58,910,000
Papillion	2,939,768	3,777,000	3,601,000	4,596,400
Plattsmouth	1,626,000	1,772,000	1,837,000	2,226,000
Reynolds	49,300	168,000	78,600	82,290
Scottsbluff	11,410,000	9,974,700	10,821,000	11,776,800
Seward	1,686,000	1,581,158	2,348,212	1,567,833
Superior	1,006,774	991,967	1,397,000	1,353,000
Sutton	500,850	600,500	935,520	313,264
Syracuse	483,000	464,000	538,000	606,000
Wakefield	425,000	432,000	485,000	410,000

PREVIOUSLY UNPUBLISHED DATA

DAILY DIVERSIONS OF CANALS--1977
 HAIGLER CANAL from Republican River
 Measured through 5-foot Parshall flume--Sec. 2-1-43W.

Date	Nov.	May	June	July	Aug.	Sept.
1	16	0	21	17	17	18
2	16	0	24	19	19	18
3	21	0	32	20	16	19
4	21	0	27	20	15	17
5	21	48	27	16	22	18
6	24	16	27	17	26	14
7	24	16	26	16	22	13
8	0	15	23	20	23	16
9	0	12	24	23	22	15
10	0	21	11	28	22	22
11	0	21	12	22	28	23
12	0	21	37	17	31	18
13	0	21	37	17	22	18
14	0	21	29	16	21	18
15	0	24	26	17	21	19
16	0	26	23	14	23	21
17	0	24	28	13	27	22
18	0	23	16	14	27	20
19	0	24	7	14	22	18
20	0	20	10	13	20	18
21	0	27	26	14	17	23
22	0	26	5	15	17	27
23	0	27	2	20	20	28
24	0	27	14	20	22	26
25	0	27	23	27	30	28
26	0	27	24	25	26	24
27	0	20	24	23	24	22
28	0	22	20	22	22	25
29	0	16	17	21	24	28
30	0	7	15	24	24	26
31	0	17	--	22	24	--
S. F.	144	598	637	586	699	622
Mean	5	22	21	19	23	21
Max.	24	48	37	28	31	28
Min.	16	7	2	13	15	13
A. F.	286	1184	1261	1161	1383	1232

Water diverted 6508 A.F. (Note: October 1976 Record is missing.)

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