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STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES
HYDROGRAPHIC REPORT
1978

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Natural Resources Commission

STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

STORAGE IN RESERVOIRS

DAILY DISCHARGE RECORDS OF MISCELLANEOUS
STREAMS AND CANAL DIVERSIONS

1978

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

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HYDROGRAPHIC REPORT 1978

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 alphabetical order according to the name of the reservoir, stream or canal.

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

Copies of this Hydrographic Report may be obtained by addressing the Nebraska Department of Water Resources, P.O. Box 94676, Lincoln, Nebraska 68509. Copies of the publication Water Resources Data for Nebraska may be obtained by addressing the District Chief, U.S. Geological Survey, Room 406, Federal Building, U.S. Court House, Lincoln, Nebraska 68508, or the Nebraska Department of Water Resources.

EXPLANATION OF DATA

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

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

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

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

STORAGE IN RESERVOIRS

NOT PUBLISHED BY THE U. S. GEOLOGICAL SURVEY

1978

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 Minatare Canal near Scottsbluff.

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	2250	-
Nov. 30, 1977	1970	-280
Dec. 31, 1977	1430	-540
Jan. 31, 1978	1070	-360
Feb. 28, 1978	690	-380
Mar. 31, 1978	570	-120
Apr. 30, 1978	6270	5700
May 31, 1978	5510	-760
June 30, 1978	9360	3850
July 31, 1978	5510	-3850
Aug. 31, 1978	6330	820
Sept. 30, 1978	2010	-4320
Change in Storage		-240

BENNETT RESERVOIR STORAGE IN ACRE-FEET

A-657, A-1974 on Lodgepole Creek--SE1/4SW1/4, Sec. 22-15-55N. Proceed 1.1 miles east of Kimball on Highway 30. Turn onto 53D link and travel 2 miles east. Head north on county road for 9/10 mile to the pasture road. Proceed 9/10 mile west along curving road. The measurements are taken 250 feet north from the west wingwall along the creek.

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Change in Content (acre-feet)
Oct. 31, 1977	250	-
Nov. 30, 1977	379	129
Dec. 30, 1977	410	31
Jan. 31, 1978	399	-11
Mar. 15, 1978	652	253
Mar. 29, 1978	678	26
Apr. 28, 1978	656	-22
May 31, 1978	706	50
June 28, 1978	680	-26
July 31, 1978	1150	470
Aug. 30, 1978	917	-233
Sept. 15, 1979	758	-159
Change in Storage		508

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, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	649	-17
Nov. 30, 1977	705	56
Dec. 31, 1977	665	-40
Jan. 31, 1978	632	-33
Feb. 28, 1978	620	-12
Mar. 31, 1978	793	173
Apr. 30, 1978	805	12
May 31, 1978	828	23
June 30, 1978	824	-4
July 31, 1978	802	-22
Aug. 31, 1978	727	-75
Sept. 30, 1978	771	44
Change in Storage		122

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, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	1391	10
Nov. 30, 1977	1464	73
Dec. 31, 1977	1427	-37
Jan. 31, 1978	1385	-42
Feb. 28, 1978	1376	-9
Mar. 31, 1978	3092	1716
Apr. 30, 1978	3168	76
May 31, 1978	3318	150
June 30, 1978	2930	-388
July 31, 1978	3041	111
Aug. 31, 1978	2816	-225
Sept. 30, 1978	3050	234
Change in Storage		1659

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, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	25364	490
Nov. 30, 1977	25941	577
Dec. 31, 1977	26157	216
Jan. 31, 1978	26175	18
Feb. 28, 1978	26356	181
Mar. 31, 1978	27460	1104
Apr. 30, 1978	27823	363
May 31, 1978	27189	-634
June 30, 1978	26555	-634
July 31, 1978	26537	-18
Aug. 31, 1978	25749	-788
Sept. 30, 1978	25644	-105
Change in Storage		280

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, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	1801	-8
Nov. 30, 1977	1813	12
Dec. 31, 1977	1799	-14
Jan. 31, 1978	1808	-8
Feb. 28, 1978	1836	28
Mar. 31, 1978	2655	819
Apr. 30, 1978	2679	24
May 31, 1978	2636	-43
June 30, 1978	2582	-54
July 31, 1978	2586	4
Aug. 31, 1978	2497	-89
Sept. 30, 1978	2555	58
Change in Storage		754

CRESCENT LAKE STORAGE IN ACRE-FEET

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

Water Year Ending September 30, 1978.

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	120	-
Nov. 28, 1977	136	16
Dec. 30, 1977	128	-8
Jan. 30, 1978	196	68
Mar. 24, 1978	619	423
Apr. 28, 1978	1850	1231
July 28, 1978	1360	-490
Sept. 1, 1978	1440	80
Change in Storage		1320

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

On Knight Creek Tributary to Papio Creek--Sec. 22-16-10E. Papillion Creek Project near Omaha.

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	4050	60
Nov. 30, 1977	4030	-20
Dec. 31, 1977	3990	-40
Jan. 31, 1978	3966	-24
Feb. 28, 1978	3990	24
Mar. 31, 1978	4127	137
Apr. 30, 1978	4090	-37
May 31, 1978	4030	-60
June 30, 1978	3950	-140
July 31, 1978	3926	-24
Aug. 31, 1978	3872	-54
Sept. 30, 1978	3966	94
Change in Storage		-84

ELWOOD RESERVOIR STORAGE IN ACRE-FEET

From Kingsley Reservoir Storage--NW¼NW¼, Sec. 32-8-22W. Head 2.7 miles north-east of Elwood or 14.4 miles southwest of Lexington on Highway 283. Turn on gravel road and proceed 4/10 miles west to pump station.

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	0	0
Nov. 30, 1977	0	0
Dec. 31, 1977	0	0
Jan. 31, 1978	0	0
Feb. 28, 1978	0	0
Mar. 31, 1978	3867	3867
Apr. 30, 1978	11859	7992
May 31, 1978	16092	4233
June 30, 1978	14384	-1708
July 31, 1978	3592	-10792
Aug. 31, 1978	0	-3592
Sept. 30, 1978	421	421
Change in Storage		421

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 9/10 miles north on paved Johnson Lake road. The measurement site is located 5/10 miles east on gravel supply canal road in forebay area of power plant.

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	37245	-
Nov. 30, 1977	38590	1345
Dec. 31, 1977	46290	7700
Jan. 31, 1978	45675	-615
Feb. 28, 1978	43000	-2675
Mar. 31, 1978	44485	1485
Apr. 30, 1978	38935	-5550
May 31, 1978	42285	3350
June 30, 1978	46400	4115
July 31, 1978	43935	-2465
Aug. 31, 1978	43615	-320
Sept. 30, 1978	42640	-975
Change in Storage		5395

JEFFREY RESERVOIR STORAGE IN ACRE-FEET

From Platte River--NE¼NE¼, Sec. 4-11-27W. Proceed 4.3 miles south and 1.2 miles west of Brady on paved road. Head 1/10 mile northwest on curving gravel road to the forebay of the power plant.

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	5182	-
Nov. 30, 1977	5457	275
Dec. 31, 1977	5567	110
Jan. 31, 1978	5237	-330
Feb. 28, 1978	5787	550
Mar. 31, 1978	5182	-605
Apr. 30, 1978	5402	220
May 31, 1978	5677	275
June 30, 1978	5292	-385
July 31, 1978	5237	-55
Aug. 31, 1978	3724	-1513
Sept. 30, 1978	5182	1458
Change in Storage		0

MINATARE RESERVOIR STORAGE IN ACRE-FEET

From North Platte River--Sec. 32-23-53W. Regulating Reservoir for Irrigation on the Minatare Canal near Scottsbluff.

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	17760	-
Nov. 30, 1977	17640	-120
Dec. 31, 1977	18110	470
Jan. 31, 1978	17520	-590
Feb. 28, 1978	17410	-110
Mar. 31, 1978	17640	230
Apr. 30, 1978	33170	15530
May 31, 1978	50390	17220
June 30, 1978	55270	4880
July 31, 1978	37250	-18020
Aug. 31, 1978	18970	-18280
Sept. 30, 1978	27650	8680
Change in Storage		9890

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, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	867	73
Nov. 30, 1977	911	44
Dec. 31, 1977	901	-10
Jan. 31, 1978	881	-20
Feb. 28, 1978	884	3
Mar. 31, 1978	1511	627
Apr. 30, 1978	1499	-12
May 31, 1978	1595	96
June 30, 1978	1423	-172
July 31, 1978	1506	83
Aug. 31, 1978	1413	-93
Sept. 30, 1978	1478	65
Change in Storage		611

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, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	8449	-14
Nov. 30, 1977	8625	176
Dec. 31, 1977	8331	-294
Jan. 31, 1978	8338	7
Feb. 28, 1978	8522	184
Mar. 31, 1978	8772	250
Apr. 30, 1978	8898	126
May 31, 1978	8691	-207
June 30, 1978	8625	-66
July 31, 1978	8515	-110
Aug. 31, 1978	8099	-416
Sept. 30, 1978	8189	90
Change in Storage		-260

OLIVER RESERVOIR STORAGE IN ACRE-FEET

From Lodgepole Creek--SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 36-15-57W. Head 7.8 miles west from Kimball on Highway 30 and turn onto pasture road. Proceed 6/10 of mile to dam.

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Apr. 28, 1979	0	0
May 31, 1978	383	383
June 2, 1978	0	-383
July 21, 1978	943	943
Aug. 31, 1978	173	-770
Sept. 15, 1978	0	-173
Change in Storage		0

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, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	1148	89
Nov. 30, 1977	1450	302
Dec. 31, 1977	1474	24
Jan. 31, 1978	1503	29
Feb. 28, 1978	1553	50
Mar. 31, 1978	1964	411
Apr. 30, 1978	1958	-6
May 31, 1978	2068	110
June 30, 1978	1916	-152
July 31, 1978	1960	44
Aug. 31, 1978	1916	-44
Sept. 30, 1978	1926	10
Change in Storage		778

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, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	1491	57
Nov. 30, 1977	1461	-30
Dec. 31, 1977	1418	-43
Jan. 31, 1978	1355	-63
Feb. 28, 1978	1325	-30
Mar. 31, 1978	1512	187
Apr. 30, 1978	1501	-11
May 31, 1978	1499	-2
June 30, 1978	1457	-42
July 31, 1978	1388	-69
Aug. 31, 1978	1324	-64
Sept. 30, 1978	1332	8
Change in Storage		-159

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

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

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	1996	0
Nov. 30, 1977	2013	17
Dec. 31, 1977	2007	-6
Jan. 31, 1978	1990	-17
Feb. 28, 1978	2023	33
Mar. 31, 1978	2857	834
Apr. 30, 1978	2913	305
May 31, 1978	2876	-37
June 30, 1978	2849	-27
July 31, 1978	2826	-23
Aug. 31, 1978	2719	-107
Sept. 30, 1978	2707	-12
Change in Storage		711

SUTHERLAND RESERVOIR SYSTEM STORAGE IN ACRE-FEET

Combined Storage in Sutherland and Regulator Reservoirs Live and Storage for Power in acre-feet--NE¼, T13N., Ranges 30 and 33W. Near Sutherland. 4½ miles southeast of Highway 30, ¼ mile west, on canal road, left bank of canal.

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Changes in Contents (acre-feet)
Oct. 31, 1977	46713	-
Nov. 30, 1977	47073	360
Dec. 31, 1977	50856	3783
Jan. 31, 1978	52416	1560
Feb. 28, 1978	60002	7586
Mar. 31, 1978	55513	-4489
Apr. 30, 1978	42532	-12981
May 31, 1978	56793	14261
June 30, 1978	71278	14485
July 31, 1978	60411	-10867
Aug. 31, 1978	45012	-15399
Sept. 30, 1978	42136	-2876
Change in Storage		-4577

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, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	2234	68
Nov. 30, 1977	2365	131
Dec. 31, 1977	2365	0
Jan. 31, 1978	2362	-3
Feb. 28, 1978	2400	38
Mar. 31, 1978	2593	193
Apr. 30, 1978	2583	-10
May 31, 1978	2533	-50
June 30, 1978	2382	-151
July 31, 1978	2637	255
Aug. 31, 1978	2397	-240
Sept. 30, 1978	2510	113
Change in Storage		276

WHITNEY RESERVOIR STORAGE IN ACRE-FEET

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

Water Year Ending September 30, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Dec. 22, 1977	7190	-
Jan. 17, 1978	8278	1088
Mar. 20, 1978	9060	782
Mar. 29, 1978	9485	425
Apr. 11, 1978	9980	495
May 15, 1978	9980	0
June 6, 1978	9800	-180
July 24, 1978	6250	-3550
Aug. 9, 1978	5508	-742
Sept. 21, 1978	3370	-2138
Change in Storage		-3820

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, 1978

Date	Contents (acre-feet)	Change in Contents (acre-feet)
Oct. 31, 1977	976	-14
Nov. 30, 1977	1020	44
Dec. 31, 1977	998	-22
Jan. 31, 1978	974	-24
Feb. 28, 1978	978	4
Mar. 31, 1978	1985	1007
Apr. 30, 1978	2145	160
May 31, 1978	2121	-24
June 30, 1978	2024	-97
July 31, 1978	2192	168
Aug. 31, 1978	1981	-211
Sept. 30, 1978	2153	172
Change in Storage		1177

DAILY DIVERSIONS OF CANALS 1978

DAILY DIVERSIONS OF CANALS--1978
 AINSWORTH CANAL from Snake River and Merritt
 Reservoir--Measured through 15-foot Parshall flume
 NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 29-31-30 W.
 1/10 mile downstream from Merritt Reservoir outlet works

Date	May	June	July	Aug.	Sept.
1	0	35	103	466	248
2	0	35	123	473	214
3	0	35	153	443	214
4	0	35	175	422	227
5	0	35	96	409	251
6	0	48	70	408	301
7	0	61	70	418	333
8	0	77	70	464	326
9	0	77	70	468	305
10	0	76	70	482	292
11	0	76	69	485	259
12	0	86	104	435	206
13	0	110	184	432	178
14	0	131	287	423	136
15	0	138	334	400	115
16	51	150	353	297	115
17	81	129	405	287	114
18	44	121	451	298	114
19	60	116	479	307	105
20	60	124	480	319	85
21	78	136	425	364	75
22	81	99	293	458	61
23	82	72	262	477	61
24	82	72	205	475	61
25	82	72	250	471	61
26	82	72	327	453	70
27	82	72	430	451	86
28	82	72	471	430	86
29	82	72	495	369	86
30	51	87	495	310	87
31	35	--	489	286	--
S.F.	1115	2521	8288	12680	4872
Mean	36	84	267	409	162
Max.	82	150	495	477	333
Min.	0	35	69	286	61
A.F.	2210	5000	16440	25150	9660

Water diverted 58460 A.F.

Acreeage reported A-5218-34539; A-9660-Suppl; A-10620-0; A-13853-165; Total-34704

DAILY DIVERSIONS OF CANALS--1978

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

ALLIANCE CANAL from Red Willow Creek--Measured
 through rating flume--NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 6-20-51 W.
 Nr. Bayard. 6/10 mile south on Hiway 26, 3.7 miles
 east, 7/10 mile south, 1/10 mile east, on right bank

Date	Oct.	Apr.	May	June	July	Aug.	Sept.	Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	25	0	20	0	37	11	10	1	29	0	9	0	40	58	48
2	17	0	19	0	38	15	9	2	24	0	17	0	46	57	47
3	0	0	18	0	29	15	11	3	0	0	18	0	55	65	41
4	0	0	21	0	23	14	10	4	0	0	11	0	50	66	41
5	0	0	31	0	26	13	8	5	0	0	0	0	59	59	39
6	0	0	30	13	29	10	6	6	0	0	0	0	50	64	42
7	0	0	31	45	27	8	14	7	0	0	0	0	57	64	37
8	0	0	28	48	28	6	20	8	0	0	0	0	52	57	35
9	0	0	28	42	30	7	20	9	0	0	0	0	55	59	37
10	0	0	28	40	31	3	20	10	0	0	0	0	56	59	36
11	0	0	28	43	32	3	22	11	0	0	0	0	58	62	35
12	0	0	26	42	32	4	25	12	0	0	1	31	53	61	34
13	0	10	22	43	25	4	27	13	0	0	9	30	53	61	33
14	0	20	23	38	24	5	27	14	0	0	15	27	49	62	29
15	0	20	21	36	27	4	24	15	0	0	15	30	48	47	24
16	0	20	20	34	30	3	23	16	0	0	16	28	53	53	28
17	0	20	21	44	29	5	26	17	0	0	16	16	52	52	31
18	0	20	26	36	27	6	31	18	0	0	18	29	54	53	29
19	0	20	26	37	33	9	18	19	0	0	18	23	59	53	33
20	0	20	26	35	33	8	6	20	0	0	17	32	64	59	30
21	0	20	32	34	30	6	2	21	0	0	13	36	0	56	30
22	0	20	47	34	30	7	0	22	0	0	0	32	29	56	32
23	0	20	31	34	28	7	4	23	0	0	0	33	47	60	25
24	0	20	29	35	28	7	26	24	0	0	0	24	55	58	27
25	0	20	28	36	24	7	26	25	0	1	0	31	59	55	29
26	0	20	31	36	25	7	23	26	0	2	0	38	56	57	30
27	0	20	37	34	28	7	23	27	0	3	0	38	58	53	24
28	0	21	50	32	27	10	25	28	0	9	0	42	57	52	32
29	0	19	1	35	27	12	26	29	0	13	0	46	62	52	29
30	0	19	0	36	33	12	25	30	0	6	0	34	57	50	13
31	0	--	0	--	21	12	--	31	0	--	0	--	60	48	--
S.F.	42	349	779	922	891	247	537	S.F.	53	34	193	600	1603	1768	980
Mean	1	12	25	31	29	8	18	Mean	2	1	6	20	52	57	33
Max.	25	21	50	48	38	15	31	Max.	29	13	18	46	64	66	48
Min.	0	0	0	0	21	3	0	Min.	0	0	0	0	0	47	13
A.F.	80	690	1550	1830	1770	490	1070	A.F.	110	70	380	1190	3180	3510	1940

Water diverted 7480 A.F.

Acreeage reported D-874, 1035 (A-1776 O.D.)-2121

Water diverted 10380 A.F.

Acreeage reported D-874, 1035 (A-1429 O.D.)-4022;
 A-1181 (A-1432 O.D.)-79; A-1432-79; A-1436-17;
 Total-4197

DAILY DIVERSIONS OF CANALS--1978

ALLIANCE IRRIGATION DISTRICT
Summary in Acre-feet--1978

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:								
Bayard Drain.....	80	690	1550	1830	1770	490	1070	7480
Red Willow Creek.....	110	70	380	1190	3180	3510	1940	10380
Total.....	190	760	1930	3020	4950	4000	3010	17860

Water diverted 17860 A.F.

DAILY DIVERSIONS OF CANALS--1978
ARMSTRONG PUMP from Niobrara River
SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-28-53 W.
Nr. Marsland. 12 miles east on south river
bank

Date	May	June	July	Aug.	Sept.
1	0	0	1	0	0
2	0	0	1	0	0
3	0	0	1	0	0
4	0	0	1	0	0
5	0	0	1	0	0
6	0	0	1	0	0
7	0	0	1	0	0
8	0	0	1	0	0
9	0	0	1	0	0
10	0	0	1	0	0
11	0	0	1	0	0
12	0	0	1	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	1	0	0	0
19	0	1	0	0	0
20	0	1	0	0	0
21	0	1	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	1	0	0	0
31	0	-	0	0	-
S.F.	0	9	12	0	0
Mean	0	0	0	0	0
Max.	0	1	1	0	0
Min.	0	0	0	0	0
A.F.	0	20	20	0	0

Water pumped 40 A.F.
Acreage reported A-10870-41

DAILY DIVERSIONS OF CANALS--1978
BARTLEY CANAL from Republican River--Measured through
8-foot Parshall flume--NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 16-3-27 W.
Nr. Indianola. 1 mile south, 2 miles east, north
across canal

Date	May	June	July	Aug.	Sept.
1	0	0	134	99	44
2	0	0	135	94	35
3	0	0	132	77	35
4	0	0	129	50	35
5	0	0	130	38	36
6	0	0	130	38	38
7	0	0	122	47	35
8	0	0	117	58	11
9	0	0	115	77	0
10	0	0	114	82	0
11	0	0	116	68	0
12	0	0	117	66	0
13	0	0	105	66	0
14	0	24	93	72	0
15	0	20	92	70	0
16	0	27	93	65	0
17	0	29	91	61	0
18	0	30	93	61	0
19	0	29	94	61	0
20	0	29	92	61	0
21	0	31	73	64	0
22	0	32	55	69	0
23	0	39	51	72	0
24	0	42	43	72	0
25	0	40	42	75	0
26	0	56	47	78	0
27	0	84	59	78	0
28	0	113	75	81	0
29	0	129	82	79	0
30	0	131	82	74	0
31	0	---	92	64	-
S.F.	0	885	2945	2117	269
Mean	0	30	95	68	9
Max.	0	131	135	99	44
Min.	0	0	42	38	0
A.F.	0	1760	5840	4200	530

Water diverted 12330 A.F.
Acreage reported A-3869dR-6095; A-6217-246; A-10196-147; A-11042-14; A-11920-123; A-14179-13; Total-6638

DAILY DIVERSIONS OF CANALS--1978
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. 3 $\frac{1}{2}$ 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	12	0	0	15	11	10
2	11	0	0	16	11	11
3	7	0	0	17	13	10
4	3	0	0	15	12	10
5	0	0	0	13	10	9
6	0	0	0	6	10	6
7	0	0	0	4	9	6
8	0	0	0	3	8	5
9	0	0	0	2	6	5
10	0	0	0	12	7	6
11	0	0	0	15	5	6
12	0	0	1	15	4	7
13	0	0	4	14	0	7
14	0	0	4	12	1	9
15	0	0	1	9	7	9
16	0	0	2	8	9	9
17	0	0	9	8	9	9
18	0	0	10	7	9	4
19	0	0	15	13	10	0
20	0	0	11	12	10	0
21	0	0	12	12	10	0
22	0	0	14	7	10	0
23	0	0	9	2	9	0
24	0	0	8	1	5	0
25	0	0	12	6	4	0
26	0	0	16	6	3	0
27	0	0	18	3	3	0
28	0	0	17	8	4	0
29	0	0	15	9	5	0
30	0	0	16	10	8	0
31	0	0	--	10	10	-
S.F.	33	0	194	290	232	138
Mean	1	0	6	9	7	5
Max.	12	0	18	17	13	11
Min.	0	0	0	1	0	0
A.F.	70	0	380	580	460	270

Water diverted 1760 A.F.
Acreage reported D-887-2080

DAILY DIVERSIONS OF CANALS--1978

BEERLINE CANAL
Summary in Acre-feet--1978

Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	70	0	380	310	460	270	1490
Storage.....	0	0	0	270	0	0	270
Total.....	70	0	380	580	460	270	1760

Storage orders - July 10-21 for 14 cfs at headgate

Water diverted 1760 A.F.
 Natural 1490 A.F.
 Storage 270 A.F.

DAILY DIVERSIONS OF CANALS--1978
 BELMONT CANAL From North Platte River--Measured
 through 15-foot Parshall flume--SW&SE $\frac{1}{2}$ Sec. 18-20-51 W.
 Nr. Bridgeport. 7.3 miles west on Hiway 29, 6/10 mile
 north, 4/10 mile east, 3/10 mile south, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	20	0	62	123	118	104
2	0	0	62	120	118	99
3	0	0	62	120	123	98
4	0	0	61	118	126	97
5	0	0	60	126	121	97
6	0	0	62	139	120	96
7	0	0	62	134	120	92
8	0	0	62	133	125	96
9	0	0	62	134	121	97
10	0	5	61	140	117	96
11	0	42	61	139	113	92
12	0	50	60	136	112	92
13	0	52	60	134	111	95
14	0	59	61	134	114	93
15	0	61	67	139	115	92
16	0	58	71	135	112	90
17	0	57	68	136	108	89
18	0	64	78	129	109	89
19	0	62	83	135	109	91
20	0	67	86	126	109	83
21	0	72	90	108	109	82
22	0	70	93	107	111	82
23	0	71	112	106	109	85
24	0	71	117	106	111	89
25	0	66	117	108	115	89
26	0	59	117	111	117	88
27	0	71	119	111	117	88
28	0	66	121	109	114	93
29	0	59	120	120	111	73
30	0	62	123	121	108	71
31	0	60	---	115	108	--
S.F.	20	1304	2440	3852	3551	2718
Mean	1	42	81	124	115	91
Max.	20	72	123	140	126	104
Min.	0	0	60	106	108	71
A.F.	40	2590	4840	7640	7040	5390
Water diverted 27540 A.F.						
Acreage reported D-828-9095						

DAILY DIVERSIONS OF CANALS--1978
 BELMONT CANAL from Cedar Creek--Measured
 through rating flume--NE $\frac{1}{2}$ SW $\frac{1}{2}$ 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	5	6	6
2	0	0	6	6	6
3	0	0	6	6	5
4	0	0	6	6	5
5	0	0	5	6	4
6	0	0	6	6	4
7	0	0	6	9	4
8	0	0	6	9	4
9	0	0	6	9	4
10	0	0	6	9	4
11	0	0	5	8	5
12	0	0	5	8	4
13	0	0	4	8	4
14	0	0	4	6	4
15	0	0	4	6	4
16	0	0	4	5	4
17	0	0	4	5	5
18	0	0	4	5	6
19	0	0	10	5	5
20	0	0	5	5	6
21	0	0	0	6	5
22	0	0	0	6	4
23	0	2	0	6	4
24	0	4	0	6	4
25	0	5	0	6	3
26	0	5	0	6	4
27	0	5	0	5	4
28	0	4	0	5	4
29	0	4	0	5	4
30	0	4	3	4	1
31	0	-	6	5	-
S.F.	0	33	116	193	130
Mean	0	1	4	6	4
Max.	0	5	10	9	6
Min.	0	0	0	4	1
A.F.	0	60	230	380	260

Water diverted 930 A.F.

DAILY DIVERSIONS OF CANALS--1978

BELMONT CANAL
Summary in Acre-feet--1978

Diverted from:	Oct.	May	June	July	Aug.	Sept.	Total
North Platte River.....	40	2590	4840	7000	7010	5390	26870
Cedar Creek.....	0	0	60	230	380	260	930
Total natural.....	40	2590	4900	7230	7390	5650	27800
Total storage.....	0	0	0	640	30	0	670

Storage orders - July 5-23 for 20 cfs at headgate
 August 3-9 for 10 cfs at headgate

Water diverted 28470 A.F.
 Natural 27800 A.F.
 Storage 670 A.F.

DAILY DIVERSIONS OF CANALS--1978
 BELMONT SPILL into Pumpkinseed Creek
 For D-828 lands via Meredith-Amner Canal--Measured
 through 12-foot weir--SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23-19-50 W.
 Nr. Bridgeport. 4 miles east on Hiway 385. 1 mile
 south on county road, 5/10 mile west, across rail-
 road tracks, 2000 feet, on left bank

Date	May	June	July	Aug.	Sept.
1	0	16	0	0	6
2	0	16	0	0	5
3	0	16	0	0	5
4	0	15	0	5	3
5	0	14	0	10	2
6	0	14	0	2	2
7	0	14	0	0	6
8	0	13	0	0	7
9	0	12	0	0	7
10	0	12	0	0	7
11	12	11	0	0	6
12	37	11	0	0	6
13	40	10	0	0	6
14	27	10	0	0	10
15	13	9	0	0	7
16	0	2	0	0	1
17	10	1	0	0	1
18	14	0	0	0	1
19	10	0	5	0	1
20	9	0	13	5	1
21	8	0	9	9	2
22	10	0	14	3	3
23	0	0	16	0	3
24	13	12	14	0	7
25	14	15	14	0	10
26	14	18	15	0	8
27	12	10	12	0	2
28	23	8	9	6	0
29	12	3	3	6	0
30	11	0	0	8	0
31	16	-	0	8	-
S.F.	305	262	124	62	125
Mean	10	9	4	2	4
Max.	40	18	16	10	10
Min.	0	0	0	0	0
A.F.	600	520	250	120	250

Water spilled 1740 A.F.

DAILY DIVERSIONS OF CANALS--1978
 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	6	0	0	0
2	0	6	0	0	0
3	0	6	0	0	0
4	0	6	0	0	0
5	0	6	0	0	0
6	0	2	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	3	0	0	0
11	0	2	0	0	0
12	0	0	0	0	0
13	0	3	0	0	0
14	0	4	0	0	0
15	0	4	0	0	0
16	0	2	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	2	0	0	0
20	0	4	0	0	0
21	0	4	0	0	0
22	1	1	0	0	0
23	2	0	0	0	0
24	4	0	0	0	0
25	4	0	0	0	0
26	4	0	0	0	0
27	3	0	0	0	0
28	4	0	0	0	0
29	6	0	0	0	0
30	6	0	0	0	0
31	6	-	0	0	-
S.F.	40	61	0	0	0
Mean	1	2	0	0	0
Max.	6	6	0	0	0
Min.	0	0	0	0	0
A.F.	80	120	0	0	0

Water diverted 200 A.F.
 Acreage reported A-1249-241

DAILY DIVERSIONS OF CANALS--1978
 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, $\frac{3}{4}$ miles west,
 100 ft. north on right canal bank

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	10	19	0	5	44	32	29
2	6	7	0	5	45	22	17
3	10	0	0	4	51	24	15
4	12	0	0	10	43	24	14
5	12	0	0	16	17	28	13
6	12	0	0	0	33	27	24
7	13	0	0	0	33	26	32
8	13	0	0	6	34	29	34
9	13	0	0	13	37	31	28
10	13	0	0	13	34	28	22
11	10	0	0	14	35	31	18
12	10	0	0	14	44	32	19
13	12	0	0	16	41	35	23
14	12	0	0	17	44	38	29
15	11	0	0	23	44	42	32
16	10	0	0	22	47	40	35
17	10	0	0	22	51	41	23
18	9	0	0	22	51	34	12
19	13	0	0	22	50	24	22
20	16	0	0	26	26	21	22
21	19	0	0	41	10	26	23
22	21	0	0	46	13	30	24
23	22	0	0	41	25	29	25
24	24	0	0	32	26	27	25
25	25	0	9	25	27	31	26
26	26	0	19	30	36	32	26
27	26	0	17	32	42	32	28
28	26	0	16	36	0	32	30
29	26	0	8	39	8	32	30
30	28	0	4	42	28	33	30
31	28	-	4	--	32	33	--
S.F.	498	26	77	634	1051	946	730
Mean	16	1	2	21	34	31	24
Max.	28	19	19	46	51	42	35
Min.	6	0	0	0	0	21	12
A.F.	990	50	150	1260	2080	1880	1450

Water diverted 7860 A.F.
 Acreage reported D-646-5287

DAILY DIVERSIONS OF CANALS--1978
 BLUE CREEK CANAL from Blue Creek and Crescent Lake--Measured
 through 8-foot Parshall flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-16-42 W.
 Nr. Lewellen. 1 mile west on Hiway 26, 3.3 miles north, cross
 canal once, trail road on left bank, 6/10 mile north

Date	Oct.	May	June	July	Aug.	Sept.
1	34	0	4	46	43	30
2	16	0	4	49	42	27
3	15	0	4	45	44	25
4	15	0	4	44	41	25
5	14	0	4	41	41	25
6	14	0	4	42	38	25
7	15	0	4	40	37	29
8	15	0	4	37	37	30
9	6	0	4	36	37	30
10	0	0	8	37	38	30
11	0	0	10	38	37	30
12	0	0	9	37	38	30
13	0	0	10	36	37	30
14	0	0	13	36	38	30
15	0	0	15	37	40	30
16	0	0	14	38	40	29
17	0	0	17	38	39	27
18	0	0	20	38	40	26
19	0	0	30	40	42	26
20	0	0	37	8	41	25
21	0	0	45	0	40	25
22	0	0	44	0	40	25
23	0	0	44	0	35	25
24	0	0	45	0	33	25
25	0	0	44	0	32	24
26	0	0	42	0	30	25
27	0	0	42	0	30	24
28	0	0	48	0	30	25
29	0	0	43	5	30	26
30	0	0	45	36	30	24
31	0	4	--	41	30	--
S.F.	144	4	661	845	1150	807
Mean	5	0	22	27	37	27
Max.	34	4	48	49	44	30
Min.	0	0	4	0	30	24
A.F.	290	10	1310	1680	2280	1600

Water diverted 7170 A.F.
 Acreage reported D-785-2449; D-795-355; A-1154-30; Total-2834

DAILY DIVERSIONS OF CANALS--1978
 BROWNS CREEK CANAL from North Platte River--Measured
 through Parshall flume--NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-20-50 W.
 Nr. Bridgeport. 6/10 mile north, 4/10 mile east,
 right bank of canal

Date	Oct.	May	June	July	Aug.	Sept.
1	57	0	1	97	62	24
2	48	0	2	103	67	20
3	43	0	7	103	68	20
4	32	0	7	104	69	20
5	30	0	7	100	68	21
6	32	0	7	68	64	24
7	31	0	11	89	61	27
8	25	0	14	99	65	32
9	10	0	9	97	65	32
10	0	0	10	95	64	33
11	0	0	9	100	68	33
12	0	0	9	104	71	31
13	0	0	12	102	66	27
14	0	0	16	102	56	26
15	0	0	25	103	31	27
16	0	0	28	102	33	31
17	0	0	32	103	40	32
18	0	0	31	101	37	31
19	0	0	30	80	37	25
20	0	0	28	54	37	24
21	0	0	31	28	37	26
22	0	0	33	20	44	23
23	0	0	46	13	52	18
24	0	0	61	17	49	21
25	0	0	69	20	48	23
26	0	0	74	17	50	24
27	0	0	79	34	50	26
28	0	0	85	48	44	31
29	0	0	87	56	38	31
30	0	0	86	59	32	25
31	0	1	--	59	30	--
S.F.	308	1	946	2277	1603	788
Mean	10	0	32	73	52	26
Max.	57	1	87	104	71	33
Min.	0	0	1	13	30	18
A.F.	610	0	1880	4520	3180	1560

Water diverted 11750 A.F.
 Acreage reported D-857, 1033-6136

DAILY DIVERSIONS OF CANALS--1978

BROWNS CREEK CANAL
 Summary in Acre-feet--1978

Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	610	0	1880	4070	3180	1560	11300
Storage.....	0	0	0	450	0	0	450
Total.....	610	0	1880	4520	3180	1560	11750

Storage orders - July 1-23 for 18 cfs at headgate

Water diverted 11750 A.F.
 Natural 11300 A.F.
 Storage 450 A.F.

DAILY DIVERSIONS OF CANALS--1978
 CAMBRIDGE CANAL from Republican River--Measured
 through 15-foot Parshall flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-4-25 W.
 Nr. Cambridge. 2.5 miles east on Hiway 6, 1/10
 mile south, 200 feet east

Date	May	June	July	Aug.	Sept.
1	0	0	332	294	135
2	0	0	330	226	128
3	0	0	341	148	127
4	0	0	345	93	109
5	0	0	351	76	86
6	0	0	357	76	77
7	0	0	358	97	68
8	0	0	348	127	18
9	0	0	346	144	0
10	0	0	344	153	0
11	0	0	326	154	0
12	0	0	319	151	0
13	0	0	319	151	0
14	0	0	279	184	0
15	0	0	265	220	0
16	0	0	264	230	0
17	0	0	268	239	0
18	0	0	309	236	0
19	0	78	318	244	0
20	0	86	301	243	0
21	0	101	236	263	0
22	0	101	202	245	0
23	0	100	201	268	0
24	0	101	177	278	0
25	0	101	167	266	0
26	0	128	183	260	0
27	0	181	215	258	0
28	0	240	240	238	0
29	0	275	246	210	0
30	0	318	246	192	0
31	0	---	281	167	-
S.F.	0	1810	8814	6131	748
Mean	0	60	284	198	25
Max.	0	318	358	294	135
Min.	0	0	167	76	0
A.F.	0	3590	17480	12160	1480

Water diverted 34710 A.F.
 Acreage reported A-3869-14595; A-6218-459; A-9479-217; A-9763-119; A-10591-448; A-11041-268; A-12067-812; A-12200-259; A-14181-179; A-15131-105; Total-17461

DAILY DIVERSIONS OF CANALS--1978
 CASTLE ROCK-STEAMBOAT CANAL from North Platte River
 Measured through rating flume--NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-21-54 W.
 Nr. Melbeta. 1/5 mile west on Hiway 92, 100 feet
 south, on left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	32	0	29	76	80	58
2	32	0	29	77	70	56
3	32	0	28	80	62	64
4	32	0	27	80	58	63
5	32	0	24	79	62	59
6	30	0	35	78	62	56
7	27	0	46	85	70	57
8	24	0	46	84	79	62
9	21	0	46	85	81	60
10	18	0	46	86	83	56
11	16	0	46	86	84	55
12	14	0	46	86	84	52
13	14	0	47	84	84	53
14	14	0	48	81	84	53
15	14	21	47	81	79	53
16	14	32	46	80	84	53
17	14	36	44	80	84	44
18	14	41	42	80	84	44
19	14	41	40	84	83	47
20	12	40	43	76	81	47
21	10	39	53	57	83	44
22	8	40	58	50	83	45
23	6	39	66	47	83	45
24	2	38	75	55	83	45
25	0	37	68	82	83	45
26	0	36	65	81	83	45
27	0	35	72	81	80	45
28	0	34	76	81	71	45
29	0	33	78	86	72	45
30	0	31	76	85	56	44
31	0	30	--	82	69	--
S.F.	446	603	1492	2415	2384	1540
Mean	14	19	50	78	77	51
Max.	32	41	78	86	84	64
Min.	0	0	24	47	56	44
A.F.	880	1200	2960	4790	4730	3050

Water diverted 17610 A.F.
 Acreage reported D-921-5987; A-186R-471; A-350R-49; Total-6507

DAILY DIVERSIONS OF CANALS--1978
 CENTRAL CANAL from North Platte River--Measured
 through rating flume--NW¼NW¼ Sec. 36-22-55 W.
 Nr. Gering. Enter town on Hiway 92, to to 7th
 Street, 1.4 miles north, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	22	0	14	23	30	21
2	22	0	13	23	29	20
3	6	0	10	23	31	20
4	0	0	7	23	31	18
5	0	0	5	25	30	22
6	0	0	5	14	29	24
7	0	0	15	18	29	18
8	0	0	17	23	29	17
9	0	0	17	25	28	18
10	0	0	18	27	29	19
11	0	0	18	27	30	21
12	0	0	15	27	29	20
13	0	0	17	25	28	19
14	0	0	14	27	32	18
15	0	0	14	29	32	16
16	0	0	12	28	27	16
17	0	0	15	28	28	14
18	0	0	13	21	31	13
19	0	0	14	14	31	12
20	0	0	15	17	29	12
21	0	0	15	7	29	12
22	0	0	17	7	28	13
23	0	0	22	7	28	13
24	0	0	23	18	28	13
25	0	0	12	24	29	13
26	0	0	9	23	28	14
27	0	1	17	25	28	14
28	0	4	23	25	28	12
29	0	5	23	27	28	6
30	0	9	22	28	24	11
31	0	12	--	29	21	--
S.F.	50	31	451	687	891	479
Mean	2	1	15	22	29	16
Max.	22	12	23	29	32	24
Min.	0	0	5	7	21	6
A.F.	100	60	890	1360	1770	950

Water diverted 5130 A.F.
 Acreage reported D-926-2003

DAILY DIVERSIONS OF CANALS--1978

CENTRAL CANAL
 SUMMARY in Acre-feet--1978

Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	100	60	890	1360	1760	950	5120
Storage.....	0	0	0	0	10	0	10
Total.....	100	60	890	1360	1770	950	5130

Storage orders - July 30-July 31 for 5 cfs at headgate
 August 1-August 5 for 9 cfs at headgate

Water diverted 5130 A.F.
 Natural 5120 A.F.
 Storage 10 A.F.

DAILY DIVERSIONS OF CANALS--1978
 CHAMPION CANAL from Frenchman River--Measured
 through rating flume--NE¼SE¼ Sec. 24-5-40 W.
 Nr. Champion. 2.5 miles west on county road,
 4/10 mile north, 1/10 mile west on north side
 of canal

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	8	0	9	9	5	2	2
2	8	0	10	9	5	2	3
3	8	0	10	9	5	2	3
4	8	0	10	9	4	2	3
5	8	0	10	9	3	2	3
6	8	0	9	10	3	2	3
7	8	0	9	9	3	2	3
8	8	0	9	9	3	2	3
9	8	0	9	8	3	2	3
10	8	0	9	8	3	2	3
11	3	9	9	8	3	2	3
12	0	9	9	8	3	2	3
13	0	9	8	8	3	2	3
14	0	10	8	8	3	2	3
15	0	9	8	8	3	2	3
16	0	9	8	8	3	2	3
17	0	9	8	7	3	2	3
18	0	10	9	7	2	2	3
19	0	9	9	7	3	2	4
20	0	10	9	6	4	2	4
21	0	10	9	6	3	2	4
22	0	10	9	7	2	2	4
23	0	10	9	7	2	2	4
24	0	10	9	7	2	2	4
25	0	10	9	6	2	2	4
26	0	10	9	6	2	2	4
27	0	10	9	6	2	2	4
28	0	11	9	7	2	2	4
29	0	10	9	6	2	2	4
30	0	9	10	6	2	2	4
31	0	--	10	--	2	2	--
S.F.	83	193	280	228	90	62	101
Mean	3	6	9	8	3	2	3
Max.	8	11	10	10	5	2	4
Min.	0	0	8	6	2	2	2
A.F.	160	380	560	450	180	120	200

Water diverted 2050 A.F.
 Acreage reported D-47-950

DAILY DIVERSIONS OF CANALS--1978
 CHIMNEY ROCK CANAL from North Platte River--Measured
 through rating flume--Sec. SW¼NE¼ Sec. 1-20-53 W.
 Nr. Bayard. South to junction and Hiway 92, 2.5 miles
 west, 4/10 mile north, 1/10 mile west, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	54	0	41	76	74	54
2	56	0	43	79	75	50
3	56	0	42	71	67	46
4	52	0	32	68	67	54
5	51	0	39	68	64	61
6	31	0	40	80	60	60
7	28	0	35	80	63	59
8	41	0	35	79	60	58
9	46	0	40	79	64	59
10	46	0	47	77	61	59
11	46	0	47	77	68	60
12	48	0	43	78	71	61
13	49	0	49	72	70	60
14	48	0	54	66	71	60
15	48	0	49	78	52	60
16	45	26	49	86	52	58
17	32	27	54	83	56	49
18	26	21	52	85	63	56
19	16	22	47	83	65	58
20	8	44	52	75	65	59
21	0	38	54	61	64	54
22	0	36	52	41	72	51
23	0	31	52	40	77	51
24	0	33	57	51	88	50
25	0	40	54	53	89	54
26	0	46	57	63	82	56
27	0	48	53	68	76	53
28	0	38	53	69	71	55
29	0	38	59	76	66	55
30	0	47	75	83	61	47
31	0	44	--	77	55	--
S.F.	827	579	1456	2222	2089	1667
Mean	27	19	49	72	67	56
Max.	56	48	75	86	89	61
Min.	0	0	32	40	52	46
A.F.	1640	1150	2890	4410	4140	3310

Water diverted 17540 A.F.
 Acreage reported D-844, 1031-5222; A-2190-47;
 Total-5269

DAILY DIVERSIONS OF CANALS--1978
 CIRCLE PUMP from Niobrara River
 Mobile--NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-28-51 W.
 Nr. Marsland. 1 mile south and east
 on south river bank

DAILY DIVERSIONS OF CANALS--1978

CHIMNEY ROCK CANAL
 Summary in Acre-feet--1978

Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	1640	1150	2860	3640	3690	3310	16290
Storage.....	0	0	30	770	450	0	1250
Total.....	1640	1150	2890	4410	4140	3310	17540

Storage orders - June 29 - September 1 for 20 cfs at headgate

Water diverted 17540 A.F.
 Natural 16290 A.F.
 Storage 1250 A.F.

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	0.4
16	0	0	0	0	0.5
17	0	0	0	0	0.3
18	0	0	0	0	0.5
19	0	0	0	0	0
20	0	0	0	0	0.3
21	0	0	0	0	0.3
22	0	0	0	0	0.3
23	0	0	0	0	0.3
24	0	0	0	0	0.4
25	0	0	0	0	0.5
26	0	0	0	0	0
27	0	0	0	0	0.4
28	0	0	0	0	0.3
29	0	0	0	0	0.4
30	0	0	0	0	0.1
31	0	-	0	0	---
S.F.	0	0	0	0	5.0
Mean	0	0	0	0	0.2
Max.	0	0	0	0	0.5
Min.	0	0	0	0	0
A.F.	0	0	0	0	10

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

DAILY DIVERSIONS OF CANALS--1978

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

Date	Oct.	May	June	July	Aug.	Sept.
1	12	0	8	29	20	14
2	12	0	7	34	20	12
3	10	0	7	35	18	16
4	9	0	12	34	9	22
5	9	0	14	34	2	26
6	9	0	22	36	4	22
7	9	0	21	36	8	32
8	10	0	19	32	10	33
9	10	0	18	30	12	34
10	10	0	17	30	19	35
11	10	0	16	30	20	36
12	10	0	16	32	21	32
13	10	0	13	33	11	30
14	10	0	11	32	9	32
15	10	0	21	32	14	29
16	10	0	32	32	13	25
17	9	0	32	34	14	23
18	7	0	38	32	31	24
19	5	0	34	33	38	20
20	2	0	36	32	37	21
21	0	0	34	32	36	22
22	0	0	33	24	37	22
23	0	0	34	21	37	17
24	0	0	34	20	37	19
25	0	7	34	24	37	22
26	0	18	25	23	35	23
27	0	18	20	23	35	32
28	0	21	24	24	34	35
29	0	14	25	27	30	32
30	0	12	24	27	22	24
31	0	10	--	23	11	--
S.F.	183	100	681	920	681	766
Mean	6	3	23	30	22	26
Max.	12	21	38	36	38	36
Min.	0	0	7	20	2	12
A.F.	360	200	1350	1820	1350	1520

Water diverted 6600 A.F.
 Acreage reported D-649-4744

DAILY DIVERSIONS OF CANALS--1978
 COURT HOUSE ROCK CANAL from Pumpkinseed Creek--Measured
 through rating flume--SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-19-50 W.
 Nr. Bridgeport. 9 miles south on Hiway 88, trail road on
 east side of road, 1/10 mile northeast, walk to shelter

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	5	0	7	9	1	6	4
2	5	0	7	8	1	8	5
3	5	0	7	7	2	8	5
4	6	0	7	8	2	7	5
5	6	0	7	7	7	5	5
6	6	0	8	7	3	6	5
7	6	0	8	7	2	6	5
8	5	0	7	8	5	7	5
9	5	0	6	8	4	7	5
10	5	0	6	8	4	7	5
11	5	0	6	6	4	7	5
12	5	0	6	3	3	6	5
13	6	0	6	2	5	7	5
14	6	0	6	2	7	7	5
15	6	0	6	2	8	7	5
16	6	0	6	1	7	10	5
17	6	0	7	1	7	10	6
18	6	0	9	1	5	8	6
19	6	0	7	1	5	8	5
20	0	0	6	1	5	7	5
21	0	0	7	1	4	7	5
22	0	0	8	1	4	7	5
23	0	0	8	1	4	7	5
24	0	0	7	2	3	6	5
25	0	0	7	4	3	6	6
26	0	8	7	3	4	6	6
27	0	7	9	0	5	6	7
28	0	7	15	1	5	6	6
29	0	7	11	1	5	6	6
30	0	7	12	1	5	5	6
31	0	--	10	--	5	5	--
S.F.	106	36	236	112	134	211	158
Mean	3	1	8	4	4	7	5
Max.	6	8	15	9	8	10	7
Min.	0	0	6	0	1	5	5
A.F.	210	20	170	220	270	420	300

Water diverted 1870 A.F.
 Acreage reported D-840, 1028-1462; A-850-22, A-2311-5;
 Total-1489

DAILY DIVERSIONS OF CANALS--1978
 COURTLAND CANAL from Republican River--Measured
 through orifice--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 18-1-9 W.
 Nr. Guide Rock. 1 mile south on Hiway 78, 2 miles west

Date	May	June	July	Aug.	Sept.
1	0	104	234	366	241
2	0	102	239	383	161
3	0	101	358	306	135
4	0	101	440	228	135
5	0	95	476	199	135
6	0	96	570	181	139
7	0	97	634	207	147
8	41	88	635	234	149
9	102	85	639	274	150
10	101	84	631	289	149
11	64	81	627	288	119
12	26	74	629	293	82
13	26	72	630	290	53
14	26	67	639	294	13
15	31	68	557	324	0
16	45	67	533	313	0
17	45	67	543	306	0
18	34	75	566	253	0
19	25	195	558	231	0
20	24	267	498	235	0
21	23	245	497	235	0
22	22	215	518	234	0
23	21	231	525	238	0
24	34	241	503	252	0
25	90	247	495	297	0
26	92	371	490	319	0
27	100	384	398	331	0
28	99	338	318	343	0
29	96	293	295	350	0
30	91	247	289	349	0
31	98	---	339	312	-
S.F.	1356	4798	15303	8754	1808
Mean	44	160	494	282	60
Max.	102	384	639	383	241
Min.	0	67	234	181	0
A.F.	2690	9520	30350	17360	3590

Water diverted 63510 A.F.
 Acreage reported A-4222-1723; A-6224-114;
 A-10963-143; Total-1980

DAILY DIVERSIONS OF CANALS--1978
 COURTLAND CANAL from Republican River--Measured
 at Nebraska-Kansas State Line--SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31-1-6 W.

Date	May	June	July	Aug.	Sept.
1	0	81	192	323	220
2	0	84	195	348	139
3	0	86	301	299	104
4	0	85	364	195	107
5	0	80	388	171	107
6	0	74	471	150	109
7	0	74	568	157	118
8	0	73	565	193	114
9	0	61	561	220	120
10	23	57	557	242	120
11	65	61	548	235	110
12	18	52	544	245	77
13	7	42	530	245	59
14	7	47	532	242	46
15	7	44	478	267	41
16	16	43	432	292	33
17	22	40	452	272	6
18	23	44	486	223	5
19	12	142	510	177	0
20	7	242	440	185	0
21	2	213	430	180	0
22	0	180	474	171	0
23	0	187	484	180	0
24	0	193	472	195	0
25	43	196	450	226	0
26	74	321	436	271	0
27	76	348	347	276	0
28	75	307	276	303	0
29	74	272	251	312	0
30	72	201	247	323	0
31	73	---	278	289	-
S.F.	696	3930	13259	7407	1635
Mean	22	131	428	239	54
Max.	76	348	568	348	220
Min.	0	40	192	150	0
A.F.	1380	7800	26300	14690	3240

Water diverted 53410 A.F.

DAILY DIVERSIONS OF CANALS--1978
 COZAD CANAL from Platte River--Measured
 through Parshall flume--SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 16-11-25 W.
 Nr. Gothenburg. 1/2 mile south of Hiway 30 on
 county road, 800 feet west on ditch bank on right
 canal bank

Date	May	June	July	Aug.	Sept.
1	0	39	233	213	0
2	0	38	252	201	0
3	0	39	269	182	0
4	0	40	281	168	0
5	0	59	281	165	0
6	0	67	279	168	0
7	0	66	285	172	0
8	0	66	285	170	0
9	28	66	281	165	0
10	47	64	281	163	0
11	46	63	283	165	0
12	34	66	283	187	0
13	30	68	277	188	0
14	28	66	273	188	0
15	31	66	273	187	0
16	33	71	265	187	0
17	32	71	263	194	0
18	31	81	267	190	0
19	31	89	269	192	0
20	29	91	269	190	0
21	29	95	262	187	0
22	36	101	224	185	0
23	40	101	194	187	0
24	41	105	201	188	0
25	40	105	197	85	0
26	38	99	202	3	0
27	43	102	211	0	0
28	38	155	220	0	0
29	38	185	237	0	0
30	38	187	242	0	0
31	39	---	235	0	-
S.F.	820	2511	7874	4470	0
Mean	26	84	254	144	0
Max.	47	187	285	213	0
Min.	0	38	194	0	0
A.F.	1630	4980	15620	8870	0

Water diverted 31100 A.F.
 Acreage reported D-626-25251

DAILY DIVERSIONS OF CANALS--1978
 CULBERTSON CANAL from Frenchman River--Measured
 through 18-foot Parshall flume--SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-5-33 W.
 Nr. Palisade, 8/10 mile northeast on Hiway 25, 5/10
 mile east along canal

Date	Apr.	May	June	July	Aug.	Sept.
1	0	62	68	284	294	0
2	0	63	63	295	305	0
3	0	63	62	304	296	0
4	0	64	63	307	295	0
5	0	62	65	279	290	0
6	0	59	62	280	277	0
7	0	58	61	294	255	0
8	0	64	61	299	175	0
9	0	65	63	299	127	0
10	19	64	65	297	115	0
11	31	63	64	300	114	0
12	45	62	61	288	106	0
13	56	58	60	274	103	0
14	52	58	60	276	98	0
15	46	57	59	270	96	0
16	46	55	56	270	93	0
17	46	54	54	272	90	0
18	39	55	61	272	87	0
19	41	57	78	266	91	0
20	52	58	88	266	111	0
21	56	57	102	268	102	0
22	55	55	116	259	89	0
23	54	58	128	253	76	0
24	59	58	137	237	68	0
25	60	59	139	238	65	0
26	59	57	163	237	62	0
27	58	59	197	242	62	0
28	58	65	230	242	59	0
29	60	64	249	252	57	0
30	62	72	265	259	19	0
31	--	74	---	275	0	-
S.F.	1054	1879	3000	8454	4077	0
Mean	35	61	100	273	132	0
Max.	62	74	265	307	305	0
Min.	19	54	54	237	0	0
A.F.	2090	3730	5950	16770	8090	0

Water diverted 36630 A.F.
 Acreage reported D-24,25,29 & 30-9419; A-3869AR-
 1415; A-6214-9616; A-9697-157; A-9802-132;
 Total-20739

DAILY DIVERSIONS OF CANALS--1978

DAWSON COUNTY CANAL from Platte River--Measured through Parshall flume--NW¼NW¼ Sec. 18-10-23 W. Nr. Cozad. Left bank 500 feet east of Hiway 21, 1/10 mile north of I-80 exchange, east on ditch bank

Date	May	June	July	Aug.	Sept.
1	0	115	379	369	244
2	0	108	418	359	242
3	0	107	440	324	238
4	0	107	467	298	238
5	0	107	500	287	242
6	0	115	503	276	232
7	0	127	509	292	197
8	0	141	526	296	197
9	0	151	532	292	203
10	0	139	517	298	209
11	0	124	514	298	209
12	0	113	514	303	207
13	0	110	512	298	195
14	0	108	498	298	195
15	42	113	498	292	191
16	89	136	492	238	187
17	101	153	472	244	187
18	122	158	483	260	157
19	77	155	486	258	136
20	72	151	488	278	127
21	69	149	478	296	122
22	73	151	442	287	107
23	73	151	372	265	100
24	72	155	369	258	96
25	72	157	344	298	95
26	70	153	336	296	94
27	79	162	364	287	74
28	76	199	356	272	67
29	74	220	349	254	22
30	95	294	364	285	0
31	115	---	387	283	-
S.F.	1371	4329	13909	8939	4810
Mean	44	144	449	288	160
Max.	122	294	532	369	244
Min.	0	107	336	238	0
A.F.	2720	8590	27590	17730	9540

Water diverted 66170 A.F.

Acreage reported D-621-456; D-622-55581; D-624-5640; A-2039-4810; A-2093-203; A-2110-13550; A-2145-985; A-2262-810; A-12968-610; A-14008-191; A-15184-480; Total-82866

DAILY DIVERSIONS OF CANALS--1978

EARNEST CANAL (Combined flow-North & South) from Niobrara River--Measured through rating flumes SW¼SE¼ & NE¼SE¼ Sec. 9-29-56 W. Nr. Harrison. 6 miles south on Hiway 29, 6½ miles south on county road, ¾ mile south on trail road, on north and south river banks

Date	May	June	July	Aug.	Sept.
1	1	8	1	0	0
2	5	8	1	0	0
3	7	7	1	0	0
4	7	7	1	0	0
5	7	6	1	0	0
6	6	6	1	0	0
7	6	6	1	0	0
8	6	6	1	0	0
9	6	6	1	0	0
10	6	5	1	0	0
11	6	5	1	0	0
12	6	5	1	0	0
13	6	3	1	0	0
14	6	3	1	0	0
15	5	2	1	0	0
16	5	2	1	0	0
17	5	1	1	0	0
18	5	1	0	0	0
19	5	1	0	0	0
20	5	1	0	0	0
21	5	1	0	0	0
22	7	1	0	0	0
23	7	1	0	0	0
24	7	1	0	0	0
25	6	1	0	0	0
26	6	1	0	0	0
27	6	1	0	0	0
28	7	1	0	0	0
29	7	1	0	0	0
30	8	1	0	0	0
31	8	-	0	0	-
S.F.	185	99	17	0	0
Mean	6	3	1	0	0
Max.	8	8	1	0	0
Min.	1	1	0	0	0
A.F.	370	200	30	0	0

Water diverted 600 A.F.

Acreage reported D-514a-189; D-514b-150; A-1362-102; Total-441

DAILY DIVERSIONS OF CANALS--1978

EMPIRE CANAL from North Platte River via Belmont Canal--Measured through 4-foot Parshall flume SW¼NW¼ Sec. 20-20-51 W. Nr. Bridgeport. 7.3 miles west on Hiway 29, 6/10 mile north, 4/10 mile east, 1/10 mile north, 2/10 mile east, on left bank

Date	May	June	July	Aug.	Sept.
1	0	26	25	28	13
2	0	26	23	28	12
3	0	26	23	29	11
4	0	26	23	30	11
5	0	26	25	26	11
6	0	25	27	25	11
7	0	26	26	25	10
8	0	26	26	23	11
9	0	26	26	18	11
10	0	26	25	16	10
11	0	26	23	15	9
12	0	25	23	15	10
13	0	26	22	14	10
14	0	25	22	15	10
15	0	27	22	17	9
16	0	28	22	15	9
17	0	28	22	14	9
18	0	29	21	14	9
19	0	30	23	14	10
20	0	31	20	14	20
21	0	31	17	14	25
22	0	32	15	14	26
23	0	33	14	15	12
24	0	31	13	14	5
25	0	31	13	17	5
26	10	31	13	17	5
27	23	32	13	17	4
28	21	32	21	16	4
29	20	32	28	16	3
30	24	31	28	15	3
31	22	--	27	15	-
S.F.	120	850	671	565	308
Mean	4	28	22	18	10
Max.	24	33	28	30	26
Min.	0	25	13	14	3
A.F.	240	1690	1330	1120	610

Water diverted 4990 A.F.

Acreage reported D-858-2089; A-866-75; Total-2164

DAILY DIVERSIONS OF CANALS--1978

ENTERPRISE CANAL from North Platte River--Measured through rating flume--NE¼NW¼ Sec. 27-23-57 W. Nr. Morrill. 6/10 mile north, 4/10 mile east, on left bank

Date	May	June	July	Aug.	Sept.
1	0	59	90	102	83
2	0	53	90	117	79
3	4	46	93	105	78
4	7	40	96	96	79
5	9	40	96	110	77
6	9	35	99	106	75
7	10	59	99	103	75
8	10	50	99	98	75
9	40	38	96	102	78
10	45	38	92	99	80
11	51	38	92	93	84
12	43	35	92	88	88
13	38	34	88	85	88
14	38	34	93	92	89
15	38	57	112	96	88
16	38	92	114	89	88
17	38	89	112	88	88
18	36	77	107	87	88
19	38	75	124	84	83
20	38	75	115	84	83
21	36	77	121	92	79
22	50	77	102	96	70
23	55	78	80	96	70
24	54	88	78	93	70
25	54	82	93	93	71
26	66	82	111	92	72
27	78	80	106	92	74
28	82	83	98	89	72
29	74	80	97	87	47
30	72	98	99	82	0
31	66	--	101	84	-
S.F.	1217	1889	3085	2920	2271
Mean	39	63	100	94	76
Max.	82	98	124	117	89
Min.	0	34	78	82	0
A.F.	2410	3750	6120	5790	4500

Water diverted 22570 A.F.

Acreage reported D-920-7703

DAILY DIVERSIONS OF CANALS--1978

ENTERPRISE CANAL From Winter Creek
Measured at downstream end of 24-inch
concrete pipe--Sec. 17-22-54 W.

Date	May	June	July	Aug.	Sept.
1	0	0	1	2	1
2	0	0	1	2	1
3	0	0	1	2	1
4	0	0	1	2	1
5	0	0	0	2	1
6	0	0	0	2	1
7	0	0	0	2	1
8	0	0	0	2	1
9	0	0	0	2	1
10	0	0	1	2	1
11	0	0	1	2	2
12	0	0	2	2	2
13	0	0	2	2	2
14	0	0	2	2	2
15	0	0	2	2	2
16	0	0	1	2	3
17	0	0	1	2	3
18	0	0	1	2	3
19	0	0	0	2	3
20	0	0	0	2	3
21	0	0	0	2	3
22	0	1	0	2	2
23	0	1	1	2	2
24	0	1	1	2	2
25	0	1	2	2	1
26	0	1	2	2	1
27	0	1	2	2	1
28	0	1	2	2	1
29	0	1	2	2	1
30	0	1	2	1	1
31	0	-	2	1	-
S.F.	0	9	33	60	50
Mean	0	0	1	2	2
Max.	0	1	2	2	3
Min.	0	0	0	1	1
A.F.	0	20	70	120	100

Water diverted 310 A.F.

ENTERPRISE CANAL from Morrill Drain
Measured in channel of drain
Sec. 14-23-57 W.

Date	Apr.	May	June	July	Aug.	Sept.
1	0	1	1	1	1	5
2	0	1	1	1	1	4
3	0	1	1	1	1	4
4	0	1	1	1	1	4
5	0	1	1	1	1	4
6	0	1	1	1	1	4
7	0	1	1	1	1	3
8	0	1	1	1	1	3
9	0	1	1	1	1	3
10	0	1	1	1	2	3
11	0	1	1	1	2	3
12	0	1	1	1	2	3
13	0	1	1	1	2	3
14	0	1	1	1	2	3
15	0	1	1	1	2	3
16	0	1	1	1	2	3
17	0	1	1	1	2	3
18	0	1	1	1	2	3
19	0	1	1	1	3	3
20	0	1	1	1	3	2
21	0	1	1	1	3	2
22	0	1	1	1	3	2
23	0	1	1	1	4	2
24	1	1	1	1	4	2
25	1	1	1	1	4	2
26	1	1	1	1	5	2
27	1	1	1	1	5	2
28	1	1	1	1	5	2
29	1	1	1	1	5	2
30	1	1	1	1	5	2
31	-	1	-	1	5	-
S.F.	7	31	30	31	82	86
Mean	0	1	1	1	3	3
Max.	1	1	1	1	5	5
Min.	0	1	1	1	1	2
A.F.	10	60	60	60	160	170

Water diverted 520 A.F.

DAILY DIVERSIONS OF CANALS--1978

ENTERPRISE CANAL
Summary in Acre-feet--1978

	May	June	July	Aug.	Sept.	Total
Diverted from:						
North Platte River...	2410	3750	6120	5790	4500	22570
Morrill Drain.....	60	60	60	160	170	510
Dry Spottedtail Cr...	0	0	0	0	0	0
Tub Springs.....	0	0	0	0	0	0
Winters Creek.....	0	20	70	120	100	310
Total.....	2470	3830	6250	6070	4770	23390
Water diverted				23390	A.F.	
Natural				23390	A.F.	
Storage				0	A.F.	

DAILY DIVERSIONS OF CANALS--1978
EXCELSIOR CANAL from Niobrara River--Measured
through rating flume--NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 10-28-52 W.
Nr. Marsland. 3 3/4 miles west from Hiway 2
and river road junction, 1/2 mile south, 1/2 mile
southeast, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	6	1	0	0
2	0	6	1	0	0
3	0	6	1	0	0
4	0	6	1	0	0
5	0	5	1	0	0
6	0	5	0	0	0
7	0	5	0	0	0
8	0	5	0	0	0
9	0	5	0	0	0
10	0	4	0	0	0
11	0	3	0	0	0
12	0	3	0	0	0
13	0	3	0	0	0
14	0	2	0	0	0
15	0	2	0	0	0
16	4	2	0	0	0
17	6	2	0	0	0
18	7	2	0	0	0
19	7	2	0	0	0
20	7	3	0	0	0
21	6	3	0	0	0
22	6	3	0	0	0
23	6	2	0	0	0
24	6	2	0	0	0
25	5	2	0	0	0
26	5	2	0	0	0
27	4	2	0	0	0
28	6	2	0	0	0
29	6	2	0	0	0
30	6	1	0	0	0
31	6	-	0	0	-
S.F.	93	98	5	0	0
Mean	3	3	0	0	0
Max.	7	6	1	0	0
Min.	0	1	0	0	0
A.F.	180	190	10	0	0

Water diverted 380 A.F.
Acreage reported D-568-200; A-2264-134;
Total-334

DAILY DIVERSIONS OF CANALS--1978
 FARWELL CANAL from Middle Loup River--Measured
 through 25-foot Parshall Flume--SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-18-17 W.
 Nr. Comstock, 3.2 miles southeast to canal, 1.3 mile
 east of Arcadia Diversion Dam, on left bank

Date	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	31	397	215	382	273	410
2	0	26	402	217	320	278	408
3	0	22	400	215	269	315	408
4	0	33	400	221	213	387	410
5	0	33	400	213	168	437	410
6	0	14	400	213	139	429	416
7	0	0	402	211	144	379	405
8	0	0	402	228	174	301	395
9	0	0	397	247	92	282	402
10	0	0	395	247	122	354	410
11	0	14	410	245	115	464	429
12	0	38	421	273	110	517	431
13	0	83	382	318	128	520	410
14	0	137	337	303	115	529	416
15	0	185	429	334	114	483	413
16	0	234	405	397	101	405	423
17	0	276	356	405	95	426	423
18	0	313	310	402	102	429	410
19	0	372	325	410	90	416	416
20	0	387	322	410	236	408	402
21	0	395	299	408	327	397	392
22	0	400	306	366	478	395	397
23	0	389	325	330	549	448	410
24	0	395	347	325	549	402	416
25	0	400	313	287	549	374	405
26	0	395	308	249	573	349	405
27	0	402	301	249	543	354	413
28	19	405	260	253	418	384	413
29	34	408	230	262	292	429	416
30	31	408	223	301	253	445	418
31	28	---	221	---	230	402	---
S.F.	112	6195	10825	8754	7990	12411	12132
Mean	4	206	349	292	258	400	404
Max.	34	408	429	410	573	529	431
Min.	0	0	221	211	90	273	395
A.F.	220	12290	21470	17360	15850	24620	24060

Water diverted 115870 A.F.
 Acreage reported A-4423-49245; A-5710-1479; A-10260 a
 & b-Suppl; A-10470-320; Total-51044

DAILY DIVERSIONS OF CANALS--1978
 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	107	264	518	266
2	23	103	291	505	224
3	52	99	398	456	210
4	52	99	510	390	199
5	53	99	557	335	186
6	38	99	582	320	186
7	30	99	594	310	189
8	25	99	570	330	177
9	24	99	563	354	159
10	29	99	538	380	152
11	42	99	526	362	135
12	45	107	500	207	40
13	45	109	472	155	0
14	43	109	472	159	0
15	40	112	466	159	0
16	40	120	460	105	0
17	40	120	488	76	0
18	49	120	520	73	0
19	51	131	520	74	0
20	51	140	525	74	0
21	51	142	437	107	0
22	57	140	285	239	0
23	66	140	218	376	0
24	73	137	191	439	0
25	78	137	192	457	0
26	78	136	231	424	0
27	78	143	320	409	0
28	78	151	428	377	0
29	77	151	491	354	0
30	97	186	496	328	0
31	112	---	523	299	-
S.F.	1617	3632	13628	9151	2123
Mean	52	121	440	295	71
Max.	112	186	594	518	266
Min.	0	99	191	73	0
A.F.	3210	7200	27030	18150	4210

Water released 59800 A.F.

DAILY DIVERSIONS OF CANALS--1978
 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	54	128	312	226
2	0	59	138	292	197
3	0	63	168	279	186
4	0	63	204	270	187
5	0	63	253	242	173
6	0	63	274	233	160
7	0	63	280	225	154
8	0	63	277	222	151
9	0	63	277	217	137
10	0	63	274	220	129
11	0	63	277	222	126
12	0	63	274	160	97
13	0	66	272	137	64
14	0	68	274	123	18
15	0	75	274	101	0
16	0	78	272	70	0
17	0	78	277	54	0
18	0	78	294	52	0
19	0	86	298	52	0
20	0	90	288	51	0
21	0	92	237	50	0
22	12	91	173	97	0
23	36	86	151	150	0
24	48	79	130	203	0
25	53	78	114	268	0
26	53	76	113	273	0
27	54	75	152	263	0
28	53	75	217	243	0
29	53	82	266	238	0
30	54	97	277	235	0
31	54	--	303	232	-
S.F.	470	2193	7206	5786	2005
Mean	15	73	232	187	67
Max.	54	97	303	312	226
Min.	0	54	113	50	0
A.F.	930	4350	14290	11480	3980

Water released 35030 A.F.

DAILY DIVERSIONS OF CANALS--1978
 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	161	392	830	492
2	23	162	429	797	421
3	52	162	566	735	396
4	52	162	714	660	386
5	53	162	810	577	359
6	38	162	856	553	346
7	30	162	874	535	343
8	25	162	847	552	328
9	24	162	840	571	296
10	29	162	812	600	281
11	42	162	803	584	261
12	45	170	774	367	137
13	45	175	744	292	64
14	43	177	746	282	18
15	40	187	740	260	0
16	40	198	732	175	0
17	40	198	765	130	0
18	49	198	814	125	0
19	51	217	818	126	0
20	51	230	813	125	0
21	51	234	674	157	0
22	69	231	458	336	0
23	102	226	369	526	0
24	121	216	321	642	0
25	131	215	306	725	0
26	131	212	344	697	0
27	132	218	472	672	0
28	131	226	645	620	0
29	130	233	757	592	0
30	151	283	773	563	0
31	166	---	826	531	-
S.F.	2087	5825	20834	14937	4128
Mean	67	194	672	482	138
Max.	166	283	874	830	492
Min.	0	161	306	125	0
A.F.	4100	19550	74000	52000	19000

Water released 94830 A.F.
 Acreage reported A-4423-19245; A-5710-1479;
 A-10260a & b-Suppl; A-10470-320; Total-
 51044

DAILY DIVERSIONS OF CANALS--1978
FORT LARAMIE CANAL from North Platte River
Measured through Parshall flume
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-26-65 W.

Date	May	June	July	Aug.	Sept.
1	0	913	1223	1546	1406
2	0	955	1284	1543	1406
3	0	958	1328	1536	1406
4	0	913	1412	1530	1406
5	0	963	1433	1533	1409
6	0	1006	1471	1533	1409
7	0	1006	1471	1530	1409
8	0	960	1520	1533	1409
9	0	907	1514	1533	1409
10	0	866	1511	1533	1385
11	0	861	1514	1533	1337
12	0	856	1517	1546	1307
13	0	851	1520	1540	1281
14	0	848	1514	1540	1260
15	0	843	1514	1543	1258
16	0	889	1517	1543	1200
17	0	910	1527	1546	1154
18	0	907	1546	1543	1151
19	253	900	1543	1540	1157
20	761	913	1546	1546	1137
21	745	971	1508	1543	1101
22	713	1034	1455	1540	1101
23	711	1143	1530	1533	1101
24	723	1202	1533	1533	1006
25	759	1208	1546	1533	721
26	754	1208	1546	1533	240
27	798	1202	1543	1533	0
28	851	1211	1543	1527	0
29	853	1214	1543	1499	0
30	851	1211	1543	1495	0
31	851	----	1540	1424	-
S.F.	9623	29829	46255	47463	31566
Mean	310	994	1492	1531	1052
Max.	853	1214	1546	1546	1409
Min.	0	843	1223	1424	0
A.F.	19090	59160	91750	94140	62610
Water diverted 326750 A.F.					
Acreage reported A-768 Nebr-54846; A-768 Wyo-50210; Total-105056					

DAILY DIVERSIONS OF CANALS--1978
FRANKLIN CANAL from Republican River--Measured
through orifice--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-1-17 W.
Below Harlan County Dam. 1 mile south of north
end of dam, 3/10 mile east on south side of canal

Date	May	June	July	Aug.	Sept.
1	0	0	251	235	165
2	0	0	258	108	142
3	0	0	261	0	130
4	0	0	265	0	124
5	0	0	264	0	114
6	0	0	247	0	103
7	0	0	224	79	98
8	0	0	216	123	94
9	0	0	205	106	61
10	0	0	214	100	0
11	0	0	227	94	0
12	0	0	235	106	0
13	0	0	227	118	0
14	0	0	209	134	0
15	0	0	208	135	0
16	0	0	206	118	0
17	0	0	212	120	0
18	0	0	210	121	0
19	0	67	202	121	0
20	0	105	202	121	0
21	0	105	199	130	0
22	0	120	177	163	0
23	0	133	155	200	0
24	0	158	145	238	0
25	0	164	144	258	0
26	0	191	145	262	0
27	0	209	155	259	0
28	0	209	192	245	0
29	0	211	233	215	0
30	0	227	251	184	0
3	0	---	251	177	-
S.F.	0	1899	6590	4270	1031
Mean	0	63	212	138	34
Max.	0	227	265	262	165
Min.	0	0	144	0	0
A.F.	0	3770	13070	8470	2040
Water diverted 27350 A.F.					
Acreage reported A-2691a-4459; A-2691bR- 4013; A-4216-1958; A-6221-152; A-8259-145; A-9623-53; A-9724-18; A-10964-305; A-12796- 106; A-14162-21; Total-11230					

DAILY DIVERSIONS OF CANALS--1978
FRANKLIN PUMP CANAL from Republican River--Measured
through 4-foot Parshall flume--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-1-14 W.
Nr. Franklin. 1.5 miles south on Hiway 10, 3.5 miles
east, 400 feet south of pump station

Date	May	June	July	Aug.	Sept.
1	0	0	32	33	8
2	0	0	32	13	0
3	0	0	32	0	0
4	0	0	32	0	0
5	0	0	32	0	0
6	0	0	33	0	0
7	0	0	34	0	0
8	0	0	34	5	0
9	0	0	34	18	0
10	0	0	34	10	0
11	0	0	34	0	0
12	0	0	34	0	0
13	0	0	33	0	0
14	0	0	33	0	0
15	0	0	33	0	0
16	0	0	33	0	0
17	0	0	32	0	0
18	0	0	30	0	0
19	0	0	33	0	0
20	0	0	33	0	0
21	0	5	30	0	0
22	0	17	13	0	0
23	0	23	0	0	0
24	0	24	0	0	0
25	0	24	5	0	0
26	0	28	18	21	0
27	0	31	25	33	0
28	0	32	30	33	0
29	0	32	31	30	0
30	0	32	32	24	0
31	0	--	32	21	-
S.F.	0	248	873	241	8
Mean	0	8	28	8	0
Max.	0	32	34	33	8
Min.	0	0	0	0	0
A.F.	0	490	1730	480	20
Water diverted 2720 A.F.					
Acreage reported A-4227-1922; A-6222-188; A-10962-8; Total-2118					

DAILY DIVERSIONS OF CANALS--1978
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	73	193	200	195
2	0	120	193	211	164
3	0	112	195	211	169
4	0	123	200	201	165
5	0	112	196	192	161
6	0	120	228	193	168
7	0	136	214	198	160
8	0	135	205	195	156
9	0	136	203	204	164
10	0	135	209	204	164
11	0	135	201	203	170
12	0	137	195	203	164
13	0	138	192	200	158
14	0	137	195	212	150
15	0	140	211	203	147
16	0	142	190	198	149
17	0	154	195	200	154
18	0	137	205	211	160
19	22	138	225	221	155
20	148	141	288	215	149
21	154	133	236	211	144
22	112	141	211	211	140
23	124	188	196	204	136
24	121	165	196	205	133
25	127	154	200	204	133
26	124	150	207	209	131
27	127	164	214	211	127
28	123	174	207	211	123
29	114	176	207	229	120
30	106	179	205	225	114
31	74	---	200	209	---
S.F.	1476	4225	6412	6404	4523
Mean	48	141	207	207	151
Max.	154	188	288	229	195
Min.	0	73	190	192	114
A.F.	2930	8380	12720	12700	8970
Water diverted 45700 A.F.					
Acreage reported A-365R-13106					

DAILY DIVERSIONS OF CANALS--1978
 GOTHENBURG IRRIGATION CANAL from Platte River--Measured
 through Parshall flume--SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-12-26 W.
 Nr. Brady. 4.3 miles east on Hiway 30, south on gravel
 road across I-80, 1/2 mile east, on left bank

Date	May	June	July	Aug.	Sept.
1	0	84	320	326	131
2	0	87	341	293	143
3	0	86	343	250	140
4	0	85	341	222	137
5	0	93	339	213	120
6	0	95	343	217	109
7	0	97	345	215	109
8	0	97	345	222	119
9	0	93	345	246	120
10	0	87	339	248	117
11	66	87	339	267	116
12	95	87	334	271	105
13	76	91	330	269	95
14	76	94	328	277	90
15	75	56	326	297	90
16	74	0	330	299	87
17	70	0	337	299	50
18	75	0	337	299	3
19	76	31	337	301	0
20	81	103	313	297	0
21	81	115	322	279	0
22	80	128	291	287	0
23	78	138	269	289	0
24	79	146	269	293	0
25	79	144	259	279	0
26	76	141	279	256	0
27	69	175	295	237	0
28	72	211	301	220	0
29	80	229	299	204	0
30	86	269	315	190	0
31	86	---	330	146	-
S.F.	1630	3149	9941	8008	1881
Mean	53	105	321	258	63
Max.	95	269	345	326	143
Min.	0	0	259	146	0
A.F.	3230	6250	19720	15880	3730

Water diverted 48810 A.F.

Acreage reported D-645a-860; D-645b-17000;

A-3716-4585; A-11798-623; A-14020-49;

A-14860-149; Total-23266

DAILY DIVERSIONS OF CANALS--1978
 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	5	0	0	16	14	10
2	5	0	0	8	14	9
3	5	0	0	10	13	9
4	4	0	0	9	14	9
5	4	0	1	8	13	7
6	4	0	1	11	12	6
7	5	0	1	13	12	6
8	4	0	2	13	10	8
9	4	0	3	12	9	8
10	4	0	2	12	12	8
11	4	0	1	12	11	8
12	4	0	1	13	11	7
13	1	0	4	12	11	8
14	1	0	7	11	12	9
15	0	0	4	11	13	8
16	0	0	4	11	12	7
17	0	0	7	11	10	9
18	0	0	4	11	10	9
19	0	0	12	12	11	9
20	0	0	8	4	11	8
21	0	0	4	1	11	8
22	0	0	3	0	11	8
23	0	0	0	0	11	8
24	0	0	0	0	13	8
25	0	0	0	0	13	8
26	0	0	0	0	13	7
27	0	0	0	0	13	7
28	0	1	2	0	13	7
29	0	1	8	1	13	7
30	0	0	10	5	16	7
31	0	0	--	1	16	-
S.F.	54	2	89	228	378	237
Mean	2	0	3	7	12	8
Max.	5	1	12	16	16	10
Min.	0	0	0	0	9	6
A.F.	110	0	180	450	750	470

Water diverted 1960 A.F.

Acreage reported D-763R-85; D-788-767;

Total-852

DAILY DIVERSIONS OF CANALS--1978
 HAIGLER CANAL from Republican River
 Measured through 5-foot Parshall flume--Sec. 2-1-43 W.

Date	Oct.	May	June	July	Aug.	Sept.
1	31	0	21	34	36	27
2	30	0	23	37	38	28
3	32	34	21	31	40	30
4	32	30	0	21	42	26
5	27	34	0	18	41	23
6	8	34	0	20	37	23
7	0	15	0	18	30	23
8	0	15	0	18	27	23
9	0	20	0	19	27	24
10	0	32	16	21	24	25
11	0	39	19	18	23	24
12	0	35	10	17	24	24
13	0	30	22	16	22	26
14	0	33	33	18	19	27
15	0	35	33	18	19	27
16	0	33	34	18	16	27
17	0	30	30	16	17	29
18	0	30	30	16	20	32
19	0	30	30	30	25	30
20	0	35	32	26	27	30
21	0	39	33	38	24	33
22	0	43	32	40	16	35
23	0	34	31	34	16	35
24	0	25	30	28	16	35
25	0	24	31	23	23	36
26	0	30	32	21	25	36
27	0	29	30	20	23	35
28	0	26	29	20	26	34
29	0	23	28	21	24	34
30	0	22	30	28	26	31
31	0	21	--	31	24	--
S.F.	160	860	660	734	797	872
Mean	5	28	22	24	26	29
Max.	32	43	34	40	42	36
Min.	0	0	0	16	16	23
A.F.	320	1710	1310	1460	1580	1730

Water diverted 8110 A.F.

DAILY DIVERSIONS OF CANALS-- 1978
 HARRIS-NEECE CANAL from Niobrara River--Measured
 through rating flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 3-28-55 W.
 Nr. Agate. 3 $\frac{1}{2}$ miles east on county road, $\frac{1}{2}$ mile
 south on trail road, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	8	7	4	0
2	0	8	7	6	0
3	0	8	7	6	0
4	0	7	6	6	0
5	0	7	6	6	0
6	0	7	5	6	0
7	0	6	5	6	0
8	0	6	5	6	0
9	0	6	5	4	0
10	0	6	4	4	0
11	0	7	4	4	0
12	0	7	4	4	0
13	0	7	4	4	0
14	2	8	4	6	0
15	4	8	4	6	0
16	6	8	5	6	0
17	8	8	6	6	0
18	10	8	1	6	0
19	10	8	6	6	0
20	10	8	6	6	0
21	10	8	10	6	0
22	9	8	12	5	0
23	9	7	10	5	0
24	9	6	10	5	0
25	9	7	7	5	0
26	9	7	6	5	0
27	9	7	6	5	0
28	9	7	6	6	0
29	8	7	6	2	0
30	8	7	4	0	0
31	8	--	4	0	--
S.F.	147	217	182	152	0
Mean	5	7	6	5	0
Max.	10	8	12	6	0
Min.	0	6	1	0	0
A.F.	290	430	360	300	0

Water diverted 1380 A.F.

Acreage reported D-517-729; A-2275-509;

Total-1238

DAILY DIVERSIONS OF CANALS--1978
 HITSHEW PUMP NO. 2 from Niobrara River
 SE 1/4 SE 1/4 Sec. 6-28-52 W.
 Nr. Marsland. 6 1/2 miles west on north river
 bank

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

Water pumped 10 A.F.
 Acreage reported A-4862-42

DAILY DIVERSIONS OF CANALS--1978
 HOOVER CANAL from Blue Creek--Measured
 through 3-foot Parshall flume--SE 1/4 NW 1/4 Sec. 6-16-42 W.
 Nr. Lewellen. 1 mile west on Highway 26, 3.4 miles north
 4/10 south on trail road, south and west

Date	May	June	July	Aug.	Sept.
1	0	0	13	12	10
2	0	0	13	12	10
3	0	0	13	12	10
4	0	0	13	13	10
5	0	0	13	13	10
6	0	1	13	13	10
7	0	2	13	13	9
8	0	2	12	13	9
9	0	0	12	13	11
10	0	3	12	12	11
11	0	7	13	13	10
12	0	7	13	12	12
13	0	10	14	13	12
14	0	12	13	12	12
15	0	11	12	12	12
16	0	12	12	13	11
17	0	12	12	13	11
18	0	12	12	12	12
19	0	12	13	12	12
20	0	12	3	11	12
21	0	7	0	11	12
22	0	11	0	11	12
23	0	11	0	10	12
24	0	11	3	10	12
25	0	12	12	10	12
26	0	12	12	10	12
27	0	12	13	10	12
28	0	11	13	10	12
29	0	13	12	10	12
30	0	13	8	10	12
31	0	--	9	10	--
S.F.	0	228	326	361	336
Mean	0	8	11	12	11
Max.	0	13	14	13	12
Min.	0	0	0	10	9
A.F.	0	450	650	720	670

Water diverted 2490 A.F.
 Acreage reported D-781R (Pet.410)-872

DAILY DIVERSIONS OF CANALS--1978
 HUGHES CANAL from Niobrara River
 Measured through rating flume--SE 1/4 SE 1/4 Sec. 1-28-52 W.
 Nr. Marsland. 1 3/4 mile west on Highway 2 and river
 road junction, 1 mile south thru driveway,
 1/4 mile southeast on trail road, on east river bank

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

Water diverted 30 A.F.
 Acreage reported D-987a-20; D-987b-20;
 Total-40

DAILY DIVERSIONS OF CANALS--1978
 INTERSTATE CANAL from North Platte River--Measured
 through rating flume--NE 1/4 NW 1/4 Sec. 11-26-65 W., Wyo.

Date	Apr.	May	June	July	Aug.	Sept.
1	0	899	1370	1678	1986	1819
2	0	899	1374	1766	1986	1766
3	0	899	1377	1914	1914	1769
4	0	899	1377	1925	1763	1773
5	0	896	1386	1906	1746	1776
6	0	853	1313	1956	1749	1773
7	159	798	1021	1944	1776	1780
8	594	790	715	1952	1849	1783
9	840	795	460	1944	1857	1786
10	914	795	0	1956	1884	1786
11	934	782	0	2005	1872	1797
12	949	484	0	2005	1880	1790
13	931	0	0	2001	1887	1746
14	943	0	0	2005	1899	1695
15	943	0	0	1998	1903	1688
16	946	0	0	2043	1895	1681
17	952	0	0	2051	1899	1667
18	949	0	0	2017	1906	1610
19	969	80	0	1918	1899	1586
20	1001	589	389	1944	1903	1562
21	1001	842	946	1438	1906	1552
22	978	710	1201	1377	1903	1562
23	905	803	1249	1606	1903	1562
24	891	1056	1249	1678	1903	1552
25	888	1246	1252	1732	1895	1548
26	891	1383	1262	1823	1903	1548
27	891	1386	1374	1910	1903	1463
28	891	1374	1491	1982	1903	1191
29	891	1367	1508	1979	1903	928
30	894	1364	1545	1979	1769	870
31	---	1364	----	1982	1819	---
S.F.	21145	23353	23859	58414	58163	48409
Mean	705	753	795	1884	1876	1614
Max.	1001	1386	1545	2051	1986	1819
Min.	0	0	0	1377	1746	870
A.F.	41940	46320	47320	115860	115360	96020

Water diverted 462820 A.F.
 Acreage reported A-768 Nebr-100949; A-768-Wyo-
 11500; Total-112449

DAILY DIVERSIONS OF CANALS--1978
 JOHNSON CANAL from Niobrara River--Measured through
 1½ foot Parshall flume--SE¼SE¼ Sec. 35-31-57 W.
 Nr. Harrison. 5 miles south on Hiway 29, 3½ miles
 west to auto-gate, 1 mile north, on east river bank

Date	May	June	July	Aug.	Sept.
1	2	0	0	0	0
2	4	0	0	0	0
3	4	0	0	0	0
4	3	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	1	0	0	0	0
17	2	0	0	0	0
18	2	0	0	0	0
19	1	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.	19	0	0	0	0
Mean	1	0	0	0	0
Max.	4	0	0	0	0
Min.	0	0	0	0	0
A.F.	40	0	0	0	0

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

DAILY DIVERSIONS OF CANALS--1978
 KEARNEY IRRIGATION CANAL from Platte River--Measured
 through Parshall flume--NW¼SW¼ Sec. 3-8-18 W.
 Nr. Elm Creek. 1 mile east on Hiway 30, 1 mile south,
 6/10 mile east, 8/10 mile south, 600 feet on canal

Date	May	June	July	Aug.	Sept.
1	0	0	54	78	75
2	0	0	54	86	70
3	0	0	88	102	53
4	0	0	98	97	44
5	0	0	66	100	52
6	0	0	81	107	44
7	0	0	81	105	42
8	0	0	71	94	0
9	0	0	61	87	34
10	0	0	68	93	29
11	0	0	86	99	10
12	0	0	83	90	11
13	0	0	75	81	31
14	0	0	82	83	30
15	0	0	78	84	17
16	0	0	80	76	0
17	0	0	61	79	48
18	0	0	64	69	23
19	0	0	73	75	21
20	0	0	89	79	29
21	0	0	84	80	33
22	0	0	95	74	31
23	0	0	96	77	27
24	0	0	119	80	39
25	0	0	140	81	43
26	0	0	159	65	31
27	0	0	114	84	31
28	0	56	91	72	31
29	0	72	86	76	38
30	0	64	85	70	39
31	0	--	91	71	--
S.F.	0	192	2653	2584	1006
Mean	0	6	86	83	34
Max.	0	72	159	107	75
Min.	0	0	54	65	0
A.F.	0	380	5260	5130	2000

Water diverted 12770 A.F.
 Acreage reported D-1023-3992; A-8399-1676;
 A-9844-1027; A-10168-320; A-10871-579;
 A-14859-390; Total-7984

DAILY DIVERSIONS OF CANALS--1978
 KEARNEY CANAL for Power and Irrigation from Platte River
 Measured through Parshall flume--NW¼SW¼ Sec. 3-8-18 W.
 Nr. Elm Creek. 1 mile east on Hiway 30, 1 mile south, 6/10 mile east, 8/10 mile south,
 600 feet on canal

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	189	242	0	0	0	0	0	214	254	124	263	187
2	238	232	0	0	0	0	0	236	207	115	265	216
3	280	242	0	0	0	0	0	238	141	115	294	222
4	166	189	0	0	0	0	0	226	164	98	303	193
5	127	98	0	0	0	0	129	195	236	83	310	175
6	149	148	0	0	0	0	127	80	240	98	310	166
7	191	238	0	0	0	0	130	84	238	104	305	162
8	181	174	0	0	0	0	73	117	240	101	298	127
9	179	0	0	0	0	0	122	218	226	90	283	263
10	172	0	0	0	0	0	127	226	157	92	280	276
11	166	0	0	0	0	0	117	236	162	106	276	278
12	170	0	0	0	0	0	122	212	254	127	274	276
13	191	0	0	0	0	0	120	89	254	122	269	272
14	185	0	0	0	0	0	134	122	258	137	267	272
15	197	0	0	0	0	0	98	222	254	144	272	276
16	197	0	0	0	0	0	112	230	236	139	265	222
17	222	0	0	0	0	0	115	238	218	129	258	242
18	265	0	0	0	0	0	102	242	214	118	242	298
19	265	0	0	0	0	0	92	199	222	118	249	292
20	260	0	0	0	0	0	82	112	207	158	249	294
21	199	0	0	0	0	0	73	155	218	199	249	298
22	146	0	0	0	0	0	61	244	183	207	240	298
23	230	0	0	0	0	0	53	249	170	181	232	298
24	247	0	0	0	0	0	70	254	162	189	214	296
25	183	0	0	0	0	0	94	258	187	201	203	298
26	260	0	0	0	0	0	113	240	189	285	195	296
27	242	0	0	0	0	0	155	203	209	305	214	296
28	218	0	0	0	0	0	175	187	209	285	216	296
29	153	0	0	0	-	0	104	189	189	265	297	294
30	166	0	0	0	-	0	137	256	148	258	191	292
31	232	-	0	0	-	0	---	260	---	260	181	---
S.F.	6266	1563	0	0	0	0	2837	6231	6246	4953	7874	7671
Mean	202	52	0	0	0	0	95	201	208	160	254	256
Max.	280	242	0	0	0	0	175	260	258	305	310	298
Min.	127	0	0	0	0	0	61	80	148	90	127	127
A.F.	12430	3160	0	0	0	0	1560	3960	3960	4520	15210	15210

Water diverted 86560 A.F.

DAILY DIVERSIONS OF CANALS--1978
KEARNEY POWER RETURN to Platte River
Measured in section of canal--NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 3-8-16 W.
Nr. Kearney. On right bank 400 feet south of Hiway 30 inside west part of city

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	156	220	0	0	0	0	0	173	216	65	171	104
2	161	199	0	0	0	0	0	216	209	57	166	135
3	269	194	0	0	0	0	0	209	121	25	178	157
4	187	196	0	0	0	0	0	216	113	0	191	138
5	118	95	0	0	0	0	0	202	160	16	194	114
6	105	86	0	0	0	0	0	101	203	16	188	113
7	150	175	0	0	0	0	0	76	191	21	185	111
8	160	220	0	0	0	0	0	64	178	28	189	133
9	150	43	0	0	0	0	0	135	174	27	182	212
10	144	0	0	0	0	0	98	180	126	22	173	229
11	144	0	0	0	0	0	96	173	114	18	164	248
12	131	0	0	0	0	0	94	192	171	41	170	245
13	159	0	0	0	0	0	83	95	208	43	174	223
14	170	0	0	0	0	0	111	67	208	51	170	224
15	156	0	0	0	0	0	94	140	195	61	174	240
16	178	0	0	0	0	0	83	182	189	55	175	215
17	180	0	0	0	0	0	128	173	174	63	166	180
18	212	0	0	0	0	0	97	191	159	50	160	255
19	216	0	0	0	0	0	75	210	164	42	161	251
20	216	0	0	0	0	0	66	100	168	64	167	245
21	224	0	0	0	0	0	54	87	167	107	157	245
22	118	0	0	0	0	0	50	185	154	104	154	247
23	168	0	0	0	0	0	43	215	109	79	143	251
24	236	0	0	0	0	0	40	195	164	65	124	238
25	192	0	0	0	0	0	50	212	161	57	113	236
26	187	0	0	0	0	0	82	203	161	117	120	245
27	208	0	0	0	0	0	124	188	138	178	120	245
28	199	0	0	0	0	0	129	171	142	180	133	245
29	155	0	0	0	-	0	109	140	108	166	121	237
30	142	0	0	0	-	0	85	195	78	160	112	234
31	157	-	0	0	-	0	--	220	--	157	102	---
S.F.	5348	1428	0	0	0	0	1791	5106	4823	2135	4897	6195
Mean	173	48	0	0	0	0	60	165	161	69	158	206
Max.	269	220	0	0	0	0	129	220	216	180	194	255
Min.	105	0	0	0	0	0	0	64	78	0	102	104
A.F.	10610	2830	0	0	0	0	3550	10130	9570	4230	9710	12290

Water returned 62920 A.F.

DAILY DIVERSIONS OF CANALS--1978
KEITH-LINCOLN COUNTY CANAL from North Platte River
Measured through Parshall flume--NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 18-14-36 W.
Nr. Paxton. 9 miles northwest of Hiway 30 on county road,
- 1/2 mile north, on right canal bank

Date	May	June	July	Aug.	Sept.
1	0	50	78	96	87
2	12	59	83	94	86
3	15	61	87	95	85
4	25	61	89	88	84
5	30	61	89	86	82
6	30	61	85	85	84
7	30	59	87	90	86
8	32	59	88	95	89
9	32	58	85	98	59
10	33	57	81	96	81
11	32	54	76	100	82
12	39	54	86	99	82
13	41	56	98	97	87
14	46	59	99	94	91
15	46	59	96	90	88
16	44	61	100	90	90
17	46	63	101	90	91
18	46	67	102	90	90
19	47	74	96	88	91
20	48	90	29	87	89
21	49	89	56	92	88
22	51	90	63	92	84
23	52	90	63	90	82
24	53	91	73	90	82
25	74	90	81	90	76
26	64	90	87	88	79
27	55	84	94	87	80
28	50	80	96	87	80
29	49	84	95	87	40
30	51	82	94	86	0
31	49	--	75	84	-
S.F.	1271	2093	2612	2821	2395
Mean	41	70	84	91	80
Max.	74	91	102	100	91
Min.	0	50	29	84	0
A.F.	2520	4150	5180	5600	4750

Water diverted 22200 A.F.
Acreage reported D-722-5968

DAILY DIVERSIONS OF CANALS--1978
LAKOTA CANAL from Niobrara River--Measured
through 2-foot Parshall flume--NW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 1-30-57 W.
Nr. Harrison. 5 miles south on Hiway 29, 3 $\frac{1}{2}$ miles west
on county road, 1 mile south on trail road

Date	May	June	July	Aug.	Sept.
1	0	3	1	3	2
2	0	5	2	2	2
3	1	5	2	2	2
4	2	5	1	2	2
5	8	5	1	2	1
6	8	5	1	2	1
7	6	5	1	2	1
8	5	4	1	2	1
9	4	4	1	2	1
10	3	4	1	2	1
11	3	3	1	2	1
12	3	3	1	2	1
13	3	3	1	2	1
14	5	3	1	2	1
15	7	3	1	2	0
16	6	3	1	2	0
17	6	3	1	2	0
18	7	3	1	2	0
19	7	2	1	2	0
20	7	2	2	2	0
21	7	2	2	3	0
22	6	2	3	3	0
23	6	2	2	3	0
24	6	2	2	3	0
25	5	2	2	3	0
26	2	2	2	3	0
27	2	1	2	3	0
28	2	1	1	3	0
29	2	1	2	2	0
30	2	2	2	2	0
31	2	-	3	2	-
S.F.	133	90	46	71	18
Mean	4	3	1	2	1
Max.	8	5	3	3	2
Min.	0	1	1	2	0
A.F.	260	180	90	140	40

Water diverted 710 A.F.
Acreage reported D-554-410

DAILY DIVERSIONS OF CANALS--1978
 LAST CHANCE CANAL from Pumpkinseed Creek--Measured
 through rating flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-19-50 W.
 Nr. Bridgeport. 5.4 miles south on Hiway 88 to county
 road junction, 2/10 mile south, 1 mile east, 2/10 mile
 north on gravel road, east through farmyard, 6/10 mile
 northeast along fence, 2/10 mile to shelter

Date	May	June	July	Aug.	Sept.
1	0	0	4	3	3
2	0	0	3	3	2
3	0	0	3	4	2
4	0	0	3	4	2
5	0	0	3	4	2
6	0	0	2	3	2
7	0	0	3	3	2
8	0	0	4	3	2
9	0	0	2	3	2
10	0	0	2	3	2
11	0	0	3	2	3
12	0	0	2	2	3
13	0	0	2	2	3
14	3	0	2	3	2
15	1	0	2	3	2
16	0	0	2	3	2
17	0	0	2	2	2
18	0	0	1	3	3
19	0	5	0	3	3
20	0	10	6	3	3
21	0	5	3	3	3
22	0	4	3	3	3
23	0	5	2	3	3
24	0	5	2	2	3
25	0	4	2	2	3
26	0	4	4	2	3
27	0	4	3	3	3
28	0	4	2	2	3
29	0	4	2	2	3
30	0	4	2	2	3
31	0	-	2	3	-
S.F.	4	58	78	86	77
Mean	0	2	3	3	3
Max.	3	10	6	4	3
Min.	0	0	0	2	2
A.F.	10	120	150	170	150

Water diverted 600 A.F.
 Acreage reported D-883-442

DAILY DIVERSIONS OF CANALS--1978
 LICHTER CANAL from Niobrara River--Measured
 through Parshall flume--SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-29-48 W.
 Nr. Dunlap. 3/4 mile north on Hiway 385, 2 miles
 east on county road, 1/2 mile south, 1/4 mile east,
 on south river bank

Date	May	June	July	Aug.	Sept.
1	0	0	5	0	3
2	0	0	4	0	3
3	0	0	4	0	3
4	0	0	2	0	3
5	0	0	0	0	3
6	0	0	0	0	3
7	0	0	0	0	3
8	0	0	0	0	3
9	0	0	0	0	3
10	0	0	2	0	2
11	0	0	4	0	1
12	0	0	3	0	0
13	0	0	2	0	0
14	0	0	1	1	0
15	0	1	3	3	0
16	0	3	4	3	0
17	0	3	4	2	0
18	0	3	3	2	0
19	0	3	3	4	0
20	0	3	2	4	0
21	0	3	2	4	0
22	0	3	0	4	0
23	0	2	0	2	0
24	0	2	0	0	0
25	0	0	0	2	0
26	0	0	0	4	0
27	0	0	0	7	0
28	0	0	0	3	0
29	0	0	0	0	0
30	0	3	0	1	0
31	0	-	0	4	-
S.F.	0	29	45	50	30
Mean	0	1	1	2	1
Max.	0	3	5	7	3
Min.	0	0	0	0	0
A.F.	0	60	90	100	60

Water diverted 310 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-46; Total-519

DAILY DIVERSIONS OF CANALS-1978
 LISCO CANAL from North Platte River--Measured
 over weir--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 24-18-47 W.
 Nr. Lisco. 2.6 miles west on Hiway 26, 5/10
 mile south, 3/10 mile east on right canal bank

Date	Oct.	May	June	July	Aug.	Sept.
1	31	0	0	43	20	46
2	30	0	18	44	17	50
3	30	0	31	43	33	44
4	28	0	14	41	43	38
5	25	0	14	38	49	26
6	25	0	13	41	46	29
7	26	0	11	45	38	28
8	26	0	8	53	34	25
9	25	0	15	46	16	25
10	26	0	26	45	36	28
11	29	0	15	41	20	32
12	28	0	11	38	14	38
13	25	0	7	36	14	39
14	23	0	8	32	32	45
15	21	0	18	30	35	48
16	20	0	15	52	38	45
17	20	0	24	44	37	20
18	18	0	30	42	41	13
19	18	0	16	35	42	14
20	18	0	18	22	40	16
21	14	0	18	0	41	16
22	4	0	18	0	39	16
23	0	0	17	0	34	16
24	0	0	18	0	33	18
25	0	0	29	0	36	15
26	0	0	30	0	41	18
27	0	0	40	20	44	18
28	0	0	45	36	46	18
29	0	0	43	24	34	18
30	0	0	46	23	40	24
31	0	0	--	35	45	--
S.F.	510	0	616	949	1078	826
Mean	16	0	21	31	35	28
Max.	31	0	46	53	49	50
Min.	0	0	0	0	14	13
A.F.	1010	0	1220	1880	2140	1640

Water diverted 7890 A.F.
 Acreage reported D-787R-1308; D-856-1391; A-243R-
 783; A-991-216; A-4658-112; A-5572-98; Total-3908

DAILY DIVERSIONS OF CANALS--1978
 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	2	1	0
2	0	0	2	1	0
3	0	0	1	1	0
4	0	0	1	0	0
5	0	0	1	0	0
6	0	0	1	0	0
7	0	0	1	0	0
8	0	0	1	0	0
9	0	0	1	0	0
10	0	0	1	0	0
11	0	0	1	0	0
12	0	0	1	0	0
13	0	0	2	0	0
14	0	0	2	0	0
15	0	0	1	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	1	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	1	0	0
28	0	2	1	0	0
29	0	2	1	0	0
30	0	2	1	0	0
31	0	-	1	0	-
S.F.	0	19	24	3	0
Mean	0	1	1	0	0
Max.	0	2	2	1	0
Min.	0	0	0	0	0
A.F.	0	40	50	10	0

Water diverted 100 A.F.
 Acreage reported D-513aR-575; D-513b-120;
 Total-695

DAILY DIVERSIONS OF CANALS--1978
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 $\frac{3}{4}$ miles west from Hiway 2 and
river road junction, 1 mile south, $\frac{1}{2}$ mile south-
west, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	0	2	0	0
2	0	2	3	1	0
3	0	2	3	0	0
4	0	3	2	0	0
5	0	3	2	0	0
6	0	4	2	0	0
7	0	4	2	0	0
8	0	4	2	0	0
9	0	4	2	0	0
10	0	5	2	0	0
11	0	5	2	0	0
12	0	5	2	0	0
13	0	5	2	0	0
14	0	4	2	0	0
15	0	3	2	0	0
16	0	3	2	0	0
17	0	3	2	0	0
18	0	3	2	0	0
19	0	3	2	0	0
20	0	3	3	0	0
21	0	3	3	0	0
22	1	3	0	0	0
23	2	4	0	0	0
24	2	4	0	0	0
25	2	4	0	0	0
26	1	4	0	0	0
27	0	4	0	0	0
28	0	4	0	0	0
29	0	3	0	0	0
30	0	3	0	0	0
31	0	-	0	0	-
S.F.	8	104	46	1	0
Mean	0	3	1	0	0
Max.	2	5	3	1	0
Min.	0	0	0	0	0
A.F.	20	210	90	0	0

Water diverted 320 A.F.
Acreage reported D-566-500

DAILY DIVERSIONS OF CANALS--1978
MEEKER-DRIFTWOOD CANAL from Republican River--Measured
through 12-foot Parshall flume--SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-2-33 W.
Below Trenton Dam. 1/10 mile east on south end of dam,
3/10 mile north, 2/10 mile east

Date	May	June	July	Aug.	Sept.
1	0	0	322	280	105
2	0	0	321	272	93
3	0	0	320	262	93
4	0	0	320	213	73
5	0	0	319	192	61
6	0	0	321	192	52
7	0	0	321	185	29
8	0	0	320	191	0
9	0	0	321	205	0
10	0	0	320	217	0
11	0	0	312	220	0
12	0	0	304	220	0
13	0	30	285	219	0
14	0	35	258	211	0
15	0	58	248	204	0
16	0	72	249	194	0
17	0	59	268	184	0
18	0	60	278	175	0
19	0	75	277	172	0
20	0	83	250	172	0
21	0	123	216	172	0
22	0	181	205	179	0
23	0	221	205	179	0
24	0	230	207	168	0
25	0	228	204	141	0
26	0	255	199	132	0
27	0	292	209	131	0
28	0	297	219	132	0
29	0	312	222	132	0
30	0	321	221	138	0
31	0	---	260	132	-
S.F.	0	2932	8301	5816	506
Mean	0	98	268	188	17
Max.	0	321	322	280	105
Min.	0	0	199	131	0
A.F.	0	5820	16460	11540	1000

Water diverted 34820 A.F.
Acreage reported D-4,9,8 & 7-2719; A-3869bR-
2692; A-3887cR-92; A-6213-14759; A-9690-246;
A-9911-500; A-10590-56; A-11946-53; A-14180-
13; A-15130-90; Total-21220

DAILY DIVERSIONS OF CANALS--1978
MEREDITH-AMMER CANAL from Pumpkinseed Creek--Measured
through rating flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23-19-50 W.
Nr. Bridgeport. 3.9 miles east on Hiway 385,
1 mile south on county road, 1/10 mile west

Date	May	June	July	Aug.	Sept.
1	0	0	6	5	0
2	0	0	6	6	0
3	0	0	5	6	0
4	0	0	5	6	0
5	0	0	5	6	0
6	0	0	5	5	0
7	0	0	5	5	0
8	0	0	5	5	0
9	0	0	5	5	0
10	0	0	5	5	0
11	0	0	5	5	0
12	0	0	5	5	0
13	0	0	5	5	0
14	0	0	5	5	0
15	0	0	5	5	0
16	0	0	4	5	0
17	0	0	4	5	0
18	0	0	5	5	0
19	0	0	6	5	0
20	0	0	5	5	0
21	0	0	4	5	0
22	0	3	3	5	0
23	0	4	3	4	0
24	0	4	3	3	0
25	0	4	3	3	0
26	0	5	3	3	0
27	0	6	3	2	0
28	0	8	4	1	0
29	0	8	6	0	0
30	0	6	5	0	0
31	0	-	5	0	-
S.F.	0	48	143	130	0
Mean	0	2	5	4	0
Max.	0	8	6	6	0
Min.	0	0	3	0	0
A.F.	0	100	280	260	0

Water diverted 640 A.F.
Acreage reported D-876-380

DAILY DIVERSIONS OF CANALS--1978
METTLEN CANAL from Niobrara River--Measured
through rating flume--NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 4-28-54 W.
Nr. Agate. 8 $\frac{3}{4}$ miles east on county road,
1/2 mile south, 1/2 mile west along river,
on south river bank

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

Water diverted 60 A.F.
Acreage reported A-292-342; A-1248-53;
A-2244-80; Total-475

DAILY DIVERSIONS OF CANALS--1978

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
 CANAL NO. 1 from Middle Loup River
 Measured through rating flume--SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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	16	28	50	19
2	0	13	27	49	16
3	0	12	34	48	16
4	0	17	40	47	15
5	0	20	39	46	15
6	0	19	39	45	14
7	0	18	41	45	14
8	0	17	41	44	14
9	0	14	42	46	13
10	20	13	38	47	13
11	25	13	50	36	13
12	25	9	51	23	12
13	19	0	51	28	12
14	14	7	51	27	11
15	16	18	53	21	10
16	16	19	52	17	10
17	16	21	52	16	10
18	16	18	52	17	10
19	17	19	53	17	9
20	16	14	51	15	8
21	16	13	52	20	8
22	15	19	40	22	8
23	17	21	32	21	8
24	16	22	34	23	8
25	15	22	39	25	8
26	15	21	37	23	8
27	16	17	42	24	8
28	17	16	50	27	6
29	18	18	50	30	2
30	16	23	47	28	0
31	15	--	51	24	-
S.F.	376	489	1359	951	318
Mean	12	16	44	31	11
Max.	25	23	53	50	19
Min.	0	0	27	15	0
A.F.	750	970	2700	1890	630

Water diverted 6940 A.F.
 Acreage reported A-2293-2360; A-2678-0; A-3979a-
 1162; A-3981a-185; A-8692-43; A-8930-62;
 Total-3812

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
 CANAL NO. 2 from Middle Loup River
 Measured through rating flume--NE $\frac{1}{4}$ NW $\frac{1}{4}$ 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	13	44	34	26
2	0	16	43	34	26
3	0	18	48	32	25
4	0	19	53	27	24
5	0	20	44	28	23
6	0	19	48	23	23
7	0	18	56	46	23
8	0	18	62	44	22
9	0	17	70	44	22
10	0	17	65	40	22
11	0	16	60	32	22
12	0	16	62	26	22
13	0	16	58	33	18
14	0	15	64	33	16
15	0	14	70	28	16
16	0	16	68	20	16
17	0	20	60	16	16
18	0	16	60	16	16
19	22	16	58	15	14
20	24	20	47	14	5
21	22	21	30	15	0
22	22	24	19	18	0
23	21	29	9	26	0
24	20	29	5	24	0
25	18	31	9	25	0
26	16	30	20	29	0
27	15	32	21	29	0
28	16	31	34	29	0
29	16	30	40	28	0
30	14	38	40	27	0
31	12	--	44	27	-
S.F.	238	635	1411	867	397
Mean	8	21	46	28	13
Max.	24	38	70	46	26
Min.	0	13	5	14	0
A.F.	470	1260	2800	1720	790

Water diverted 7040 A.F.
 Acreage reported A-2293-2536; A-2678-212;
 A-3979b-3348; A-3981b-355; A-4131-20; A-6623-
 35; A-12842-43; Total-6549

DAILY DIVERSIONS OF CANALS--1978

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

Date	May	June	July	Aug.	Sept.
1	0	17	76	83	52
2	0	17	91	71	52
3	0	16	116	50	50
4	0	15	114	45	50
5	0	14	119	36	50
6	0	16	124	35	51
7	0	16	124	45	52
8	0	16	122	85	53
9	0	17	118	91	53
10	0	17	119	97	54
11	0	17	119	62	47
12	0	21	111	29	34
13	0	26	99	28	31
14	0	26	104	24	26
15	0	29	112	17	21
16	38	34	114	17	13
17	69	34	116	17	13
18	58	34	119	13	13
19	43	29	122	11	12
20	49	30	79	10	4
21	54	38	44	17	0
22	52	39	42	33	0
23	48	24	41	49	0
24	42	0	33	73	0
25	35	12	26	78	0
26	30	30	27	73	0
27	28	34	42	68	0
28	28	46	81	60	0
29	26	54	101	50	0
30	20	63	98	50	0
31	17	--	93	50	-
S.F.	637	781	2846	1467	731
Mean	20	26	92	47	24
Max.	69	63	124	97	54
Min.	0	0	26	10	0
A.F.	1260	1550	5640	2910	1450

Water diverted 12810 A.F.
 Acreage reported A-2293R-4277; A-2678R-110;
 A-3979cR-7414; A-3981cR-87; A-4360-47; A-5139-198;
 A-12179-40; A-12768-30; A-13682-50; Total-12055

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

Date	May	June	July	Aug.	Sept.
1	0	27	50	96	46
2	0	26	61	93	44
3	0	27	90	78	44
4	0	27	114	62	43
5	0	26	128	57	38
6	0	24	142	55	35
7	0	25	146	74	34
8	0	26	148	88	32
9	0	25	145	90	32
10	30	24	149	96	31
11	64	24	144	68	27
12	54	24	132	35	18
13	44	23	124	32	17
14	43	22	125	29	17
15	44	21	125	27	15
16	46	22	126	22	12
17	52	19	130	19	11
18	44	18	136	20	10
19	31	18	146	21	10
20	31	19	124	22	4
21	30	19	89	27	0
22	29	19	55	43	0
23	28	20	34	55	0
24	30	36	32	60	0
25	30	42	33	63	0
26	30	38	32	52	0
27	30	39	33	46	0
28	30	44	65	44	0
29	29	40	101	37	0
30	30	43	100	36	0
31	26	--	96	38	-
S.F.	805	807	3155	1585	520
Mean	26	27	102	51	17
Max.	64	44	149	96	46
Min.	0	18	32	19	0
A.F.	1600	1600	6260	3140	1030

Water diverted 13630 A.F.
 Acreage reported A-2293R-5952; A-2678R-84;
 A-3979dR-4143; A-3981dR-657; A-5139-198;
 A-10161-317; A-10175-56; A-12197-0; A-12198-
 43; A-12673-0; Total-11450

DAILY DIVERSIONS OF CANALS--1978

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
SPILLWAY CANAL NO. 1 returned to Middle Loup River
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-18-17 W.

Nr. Comstock. 1.1 mile west on spur 21C, 4.5 miles
southeast on river road, 1/10 mile downstream, on
left bank

Date	May	June	July	Aug.	Sept.
1	0	8	8	1	7
2	0	8	7	4	6
3	0	7	5	7	6
4	0	5	5	7	7
5	0	8	4	7	7
6	0	9	0	7	8
7	0	10	0	3	7
8	0	9	0	1	7
9	0	8	0	2	6
10	0	6	0	5	7
11	0	5	0	7	7
12	8	5	0	6	8
13	10	2	0	8	8
14	5	1	0	7	8
15	4	2	0	9	8
16	4	8	0	9	8
17	5	9	1	9	8
18	4	9	0	9	8
19	4	10	0	9	8
20	5	9	1	9	5
21	5	8	4	9	4
22	5	8	8	8	4
23	5	12	9	7	5
24	5	11	9	5	7
25	6	12	11	5	6
26	6	13	9	8	5
27	6	12	5	8	3
28	7	10	4	8	1
29	9	9	1	7	1
30	8	9	1	8	1
31	7	-	3	8	-
S.F.	118	242	95	207	181
Mean	4	8	3	7	6
Max.	10	13	11	9	8
Min.	0	1	0	1	1
A.F.	230	480	190	410	360

Water returned 1670 A.F.

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
SPILLWAY CANAL NO. 2 returned to Middle Loup River
SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 11-18-17 W.

Nr. Comstock. 8.1 miles south on asphalt road to
canal, 2/10 mile west, on left bank

Date	May	June	July	Aug.	Sept.
1	0	8	12	12	11
2	0	9	9	15	10
3	0	15	7	16	10
4	0	14	9	16	9
5	0	15	8	12	9
6	0	14	5	13	8
7	0	13	4	12	9
8	0	13	5	11	8
9	0	13	6	8	6
10	0	11	7	14	6
11	0	11	7	14	8
12	0	11	8	10	11
13	0	11	8	15	10
14	0	10	7	18	7
15	0	10	8	19	7
16	0	9	10	13	7
17	0	13	10	9	8
18	0	12	9	8	9
19	0	12	9	7	10
20	7	12	11	7	9
21	13	15	14	7	0
22	13	15	14	3	0
23	13	20	3	7	0
24	11	20	0	3	0
25	11	21	0	2	0
26	10	21	9	8	0
27	8	19	10	9	0
28	9	16	8	11	0
29	9	12	8	11	0
30	10	8	7	9	0
31	6	-	13	9	-
S.F.	120	403	245	328	172
Mean	4	13	8	10	6
Max.	13	21	14	19	11
Min.	0	8	0	2	0
A.F.	240	800	490	650	340

Water returned 2520 A.F.

DAILY DIVERSIONS OF CANALS--1978

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
SPILLWAY CANAL NO. 3 returned to Middle Loup River
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-14-14 W.

Nr. Loup City. 2 miles south on Hiway 10, 1.4 mile
southeast on river road to canal, 2/10 mile
downstream, on right bank

Date	May	June	July	Aug.	Sept.
1	0	0	3	16	6
2	0	0	0	19	9
3	0	0	1	20	8
4	0	0	0	19	10
5	0	0	0	16	8
6	0	0	1	16	5
7	0	0	3	9	9
8	0	0	4	8	7
9	0	0	3	7	6
10	0	0	5	10	11
11	0	0	7	18	17
12	0	0	9	8	15
13	0	4	10	17	14
14	0	7	10	18	15
15	0	7	11	18	13
16	0	9	12	11	10
17	0	12	11	10	4
18	0	13	9	9	5
19	22	13	8	6	6
20	11	10	14	5	5
21	14	9	15	2	2
22	15	12	17	7	0
23	15	13	23	3	0
24	7	3	24	6	0
25	7	0	15	13	0
26	3	0	9	14	0
27	2	8	8	18	0
28	2	10	13	21	0
29	2	13	18	12	0
30	0	5	16	8	0
31	0	-	17	6	-
S.F.	100	148	296	370	185
Mean	3	5	10	12	6
Max.	22	13	24	21	17
Min.	0	0	0	2	0
A.F.	200	290	590	730	370

Water returned 2180 A.F.

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
SPILLWAY CANAL NO. 4 returned to Middle Loup River
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-14-14 W.

Nr. Loup City. 7.3 miles southeast on Hiway 58,
7/10 mile west, on left bank

Date	May	June	July	Aug.	Sept.
1	0	9	14	8	7
2	0	10	10	10	11
3	0	10	11	7	9
4	0	9	8	6	9
5	0	11	3	1	12
6	0	10	6	2	11
7	0	9	8	8	7
8	0	8	8	13	11
9	0	8	9	6	10
10	0	6	8	6	14
11	14	6	8	24	17
12	27	6	13	16	15
13	12	6	11	8	7
14	16	7	7	15	10
15	17	7	5	23	11
16	15	6	8	19	10
17	15	6	6	13	7
18	24	7	3	11	8
19	15	6	5	11	15
20	7	5	19	11	16
21	6	6	20	8	7
22	4	8	21	8	4
23	6	7	12	10	1
24	5	6	7	11	0
25	7	18	7	10	0
26	7	20	9	17	0
27	11	15	8	18	0
28	10	16	5	13	0
29	10	17	20	8	0
30	9	16	19	10	0
31	11	--	17	4	--
S.F.	248	281	315	335	229
Mean	8	9	10	11	8
Max.	27	20	21	24	17
Min.	0	5	3	1	0
A.F.	490	560	620	660	450

Water returned 2780 A.F.

DAILY DIVERSIONS OF CANALS--1978

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-feet--1978

	May	June	July	Aug.	Sept.	Total
Diversions:						
Canal No. 1.....	750	970	2700	1890	630	6940
Canal No. 2.....	470	1260	2800	1720	790	7040
Canal No. 3.....	1260	1550	5640	2910	1450	12810
Canal No. 4.....	1600	1600	6260	3140	1030	13630
Total diversions.....	4080	5380	17400	9660	3900	40420
Returned thru spillways:						
Canal No. 1.....	230	480	190	410	360	1670
Canal No. 2.....	240	800	490	650	340	2520
Canal No. 3.....	200	290	590	730	370	2180
Canal No. 4.....	490	560	620	660	450	2780
Total returned.....	1160	2130	1890	2450	1520	9150
Net diversions.....	2920	3250	15510	7210	2380	31270

DAILY DIVERSIONS OF CANALS--1978

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 miles east on Hiway 26 to farm road, 3/10 mile west, 5/10 mile south, 4/10 mile southwest, 1/10 mile east

Date	Oct.	May	June	July	Aug.	Sept.
1	17	0	0	8	5	8
2	7	0	0	17	6	8
3	4	0	0	18	11	8
4	4	0	0	18	13	7
5	4	0	0	20	13	5
6	5	0	0	20	12	3
7	4	0	0	20	12	3
8	2	0	0	15	11	2
9	0	0	0	9	19	2
10	0	0	0	10	19	2
11	0	0	0	7	12	2
12	0	0	0	5	13	2
13	0	0	0	3	22	2
14	0	0	0	4	20	4
15	0	0	0	10	21	5
16	0	0	6	11	16	5
17	0	0	15	11	11	4
18	0	0	17	14	12	3
19	0	0	12	17	12	4
20	0	0	11	3	16	4
21	0	0	13	0	16	4
22	0	0	15	0	16	4
23	0	0	16	0	16	3
24	0	0	14	0	10	3
25	0	0	12	0	11	3
26	0	0	14	3	8	3
27	0	0	13	7	7	1
28	0	1	9	7	7	0
29	0	1	4	6	8	0
30	0	0	2	5	8	0
31	0	0	-	5	9	-
S.F.	47	2	173	273	392	104
Mean	2	0	6	9	13	3
Max.	17	1	17	20	22	8
Min.	0	0	0	0	5	0
A.F.	90	0	340	540	780	210

Water diverted 1960 A.F.
Acreage reported D-789-1000; D-791-1104; D-800
(A-1742 O.D.)-962; Total-3066

DAILY DIVERSIONS OF CANALS--1978

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 & Hiway 26, 2/10 miles southeast, 100 feet east, on left bank

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	44	37	0	50	75	101	80
2	45	14	0	44	74	99	65
3	47	0	0	47	79	100	55
4	47	0	0	52	91	105	71
5	41	0	0	40	101	105	64
6	37	0	0	35	89	82	68
7	40	0	0	34	78	72	90
8	40	0	0	34	89	97	83
9	40	0	0	33	103	94	83
10	39	0	0	32	100	104	94
11	36	0	0	32	107	104	90
12	32	0	0	31	96	108	84
13	32	0	0	46	104	109	74
14	33	0	0	50	91	109	71
15	33	0	0	50	82	102	70
16	34	0	0	49	89	93	70
17	34	0	0	51	96	88	82
18	34	0	0	48	87	87	76
19	35	0	0	45	16	87	76
20	35	0	0	54	20	87	87
21	34	0	0	48	24	87	81
22	34	0	0	68	29	86	79
23	40	0	0	66	23	86	71
24	41	0	10	64	56	89	59
25	40	0	49	66	87	83	47
26	41	0	22	65	109	87	61
27	41	0	22	62	96	78	82
28	41	0	23	61	106	69	89
29	41	0	24	64	111	89	75
30	38	0	26	69	107	88	64
31	37	-	42	-	99	81	--
S.F.	1186	51	218	1490	2514	2856	2241
Mean	38	2	7	50	81	92	75
Max.	47	37	49	69	111	109	94
Min.	32	0	0	31	16	69	47
A.F.	2350	100	430	2960	4990	5660	4440

Water diverted 20930 A.F.
Acreage reported D-919-9372

DAILY DIVERSIONS OF CANALS--1978

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	31	148	87
2	0	0	44	154	88
3	0	0	59	152	87
4	0	0	80	131	80
5	0	0	110	127	77
6	0	0	152	122	75
7	0	0	156	151	73
8	0	0	164	169	69
9	0	0	166	167	67
10	0	0	170	164	65
11	0	0	170	159	12
12	0	0	169	130	0
13	0	0	175	134	0
14	0	0	177	173	0
15	0	0	175	159	0
16	0	0	176	148	0
17	0	0	194	148	0
18	0	0	206	147	0
19	0	0	204	129	0
20	0	0	189	125	0
21	0	0	171	126	0
22	0	0	37	151	0
23	0	0	0	133	0
24	0	0	0	131	0
25	0	0	27	120	0
26	0	0	107	128	0
27	0	0	121	120	0
28	0	0	173	120	0
29	0	4	197	116	0
30	0	30	194	102	0
31	0	--	192	97	-
S.F.	0	34	4186	4281	780
Mean	0	1	135	138	26
Max.	0	30	206	173	88
Min.	0	0	0	97	0
A.F.	0	70	8300	8490	1550

Water diverted 18410 A.F.

Acreage reported A-2683-9513; A-3729-2156;

Total-11669

DAILY DIVERSIONS OF CANALS--1978

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

Date	Oct.	May	June	July	Aug.	Sept.
1	96	0	86	25	123	35
2	96	0	35	31	112	42
3	96	0	36	54	110	38
4	38	0	26	47	115	44
5	0	0	36	86	119	52
6	0	0	35	72	116	36
7	0	0	19	97	109	38
8	0	0	17	111	121	44
9	0	0	9	109	119	36
10	0	0	4	109	124	36
11	0	0	3	111	134	28
12	0	0	5	123	134	30
13	0	0	7	138	135	36
14	0	0	8	139	127	45
15	0	0	8	128	132	48
16	0	0	9	154	136	48
17	0	0	0	157	130	44
18	0	95	5	150	107	30
19	0	121	4	130	83	29
20	0	0	10	42	87	31
21	0	0	18	49	103	36
22	0	36	31	71	84	40
23	0	25	2	87	89	44
24	0	27	13	84	94	47
25	0	25	28	78	101	45
26	0	25	37	71	96	37
27	0	24	27	81	93	43
28	0	21	21	132	84	40
29	0	28	14	118	61	0
30	0	0	18	121	52	0
31	0	0	--	121	53	-
S.F.	326	427	571	3026	3283	1102
Mean	11	14	19	98	106	37
Max.	96	121	86	157	136	52
Min.	0	0	0	25	52	0
A.F.	650	850	1130	6000	6510	2190

Water diverted 17330 A.F.

Acreage reported D-1052-13575

DAILY DIVERSIONS OF CANALS--1978

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

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

Water diverted 10 A.F.

Acreage reported A-575-32; A-607R-21; A-2754-20; A-3923-42; Total-115

DAILY DIVERSIONS OF CANALS--1978

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

Date	May	June	July	Aug.	Sept.
1	0	0	5	2	4
2	0	0	5	1	4
3	0	1	5	1	4
4	0	4	6	0	4
5	0	4	5	0	4
6	0	4	5	0	4
7	0	4	5	1	4
8	0	4	5	5	4
9	0	4	5	5	4
10	0	3	6	5	3
11	0	2	6	5	0
12	0	3	6	5	0
13	0	3	6	5	0
14	0	2	5	5	0
15	0	3	5	5	0
16	0	4	5	5	0
17	0	4	5	5	0
18	0	4	5	5	0
19	0	2	6	5	0
20	0	0	5	5	0
21	0	0	5	5	0
22	0	0	1	5	0
23	0	0	1	5	0
24	5	2	1	5	0
25	5	3	0	5	0
26	5	3	0	4	0
27	4	3	0	4	0
28	4	3	0	4	0
29	5	4	0	4	0
30	2	5	0	4	0
31	0	-	2	4	-
S.F.	30	78	116	119	39
Mean	1	3	4	4	1
Max.	5	5	6	5	4
Min.	0	0	0	0	0
A.F.	60	150	230	240	80

Water diverted 760 A.F.

Acreage reported A-88-400

DAILY DIVERSIONS OF CANALS--1978
 NAPONEE CANAL from Republican River--Measured
 through Sparling Meter--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 14-1-17 W.
 Below Harlan County Dam. 5/10 mile northeast
 from south end of dam

Date	May	June	July	Aug.	Sept.
1	0	0	30	30	14
2	0	0	30	11	11
3	0	0	30	0	11
4	0	0	32	0	4
5	0	0	36	0	0
6	0	0	36	0	0
7	0	0	36	0	0
8	0	0	34	0	0
9	0	0	32	0	0
10	0	0	32	0	0
11	0	0	32	0	0
12	0	0	33	0	0
13	0	0	17	0	0
14	0	0	0	9	0
15	0	0	0	8	0
16	0	0	8	0	0
17	0	10	25	0	0
18	0	12	31	0	0
19	0	12	35	0	0
20	0	12	35	0	0
21	0	14	34	8	0
22	0	16	27	17	0
23	0	17	20	19	0
24	0	20	20	25	0
25	0	22	20	29	0
26	0	24	25	30	0
27	0	26	31	30	0
28	0	26	34	30	0
29	0	28	34	27	0
30	0	30	34	21	0
31	0	--	34	17	--
S.F.	0	269	857	311	40
Mean	0	9	28	10	1
Max.	0	30	36	30	14
Min.	0	0	0	0	0
A.F.	0	530	1700	620	80

Water diverted 2930 A.F.

Acres reported A-4217-1350; A-6220-79;
 A-9463-86; A-9722-11; A-10965-234;
 Total-1760

DAILY DIVERSIONS OF CANALS--1978
 NINE MILE CANAL from North Platte River--Measured
 through rating flume--NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-21-53 W.
 Nr. McGrew. 1/3 mile north across railroad tracks,
 2/10 mile west, 1/5 mile north, 3.1 miles west,
 3/10 mile north, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	45	20	0	55	73	62
2	45	18	0	50	79	62
3	45	4	0	36	72	61
4	45	0	0	37	62	55
5	45	16	0	31	62	54
6	46	33	0	49	64	54
7	45	33	0	42	66	52
8	44	33	0	43	66	63
9	44	33	0	44	68	64
10	44	31	0	44	71	61
11	43	31	0	46	75	60
12	42	31	0	52	75	58
13	22	46	7	50	75	54
14	0	46	22	33	82	52
15	0	46	27	29	83	53
16	0	46	34	24	68	52
17	0	46	42	20	68	54
18	0	47	34	34	67	56
19	0	46	35	67	66	55
20	0	46	35	56	66	55
21	0	46	41	48	65	50
22	0	63	41	47	66	43
23	0	62	48	44	68	43
24	0	61	55	41	69	43
25	0	57	56	39	68	43
26	0	57	47	53	68	43
27	0	47	47	63	70	43
28	0	0	66	64	70	43
29	0	0	80	71	68	43
30	0	0	68	72	62	42
31	0	0	--	75	62	--
S.F.	555	1045	785	1459	2144	1573
Mean	18	34	26	47	69	52
Max.	46	63	80	75	83	64
Min.	0	0	0	20	62	42
A.F.	1100	2070	1560	2890	4250	3120

Water diverted 14990 A.F.

Acres reported D-925 (A-1431 O.D.)-5966;
 P-262 fr Red Willow Cr-71; Total-6037

DAILY DIVERSIONS OF CANALS--1978
 NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
 TAYLOR-ORD CANAL from North Loup River
 Measured through rating flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20-21-18 W.
 Nr. Taylor. 5/10 mile west on Hiway 91 to canal,
 1.5 mile upstream, on left bank

Date	May	June	July	Aug.	Sept.
1	0	0	65	220	112
2	0	0	68	216	104
3	50	0	73	216	106
4	91	0	89	219	105
5	42	0	104	218	107
6	48	0	140	218	102
7	48	0	166	216	101
8	52	0	186	215	101
9	50	6	209	210	92
10	58	60	228	209	86
11	62	52	229	159	86
12	57	58	228	72	67
13	59	70	230	64	66
14	63	64	228	66	64
15	63	66	230	73	60
16	64	66	231	62	61
17	63	68	227	51	60
18	64	69	226	55	57
19	65	69	226	66	55
20	61	68	229	65	57
21	63	70	228	61	55
22	62	67	138	65	49
23	59	61	97	78	50
24	61	60	102	89	48
25	56	60	97	109	46
26	2	64	98	108	47
27	0	60	114	117	41
28	0	60	139	119	48
29	0	61	169	119	45
30	0	63	187	121	47
31	0	--	208	116	--
S.F.	1363	1342	5189	3992	2125
Mean	44	45	167	129	71
Max.	91	70	231	220	112
Min.	0	0	65	51	41
A.F.	2700	2660	10290	7920	4210

Water diverted 27780 A.F.

Acres reported A-2155-136; A-2312-12524;
 A-2417R-183; A-3215a-853; A-3768-54; A-3892-37;
 A-3980a-1270; A-4400-0; A-7600-0; A-7956-0;
 A-8544R-36; A-10371-Resort; A-11379-0; A-11648-
 11; A-11706-35; A-13475-28; Total-15167

DAILY DIVERSIONS OF CANALS--1978
 NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
 BURWELL-SUMTER CANAL from North Loup River
 Measured through rating flume--NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19-21-15 W.
 Nr. Burwell. 1.8 mile east on Hiway 91, 100 feet north
 to canal, 250 feet upstream, on left bank

Date	May	June	July	Aug.	Sept.
1	68	27	41	111	59
2	41	24	42	107	51
3	28	22	50	100	49
4	29	21	66	97	49
5	31	13	79	108	49
6	31	20	87	102	47
7	32	24	101	108	47
8	31	30	104	104	44
9	28	33	104	108	39
10	25	31	101	114	39
11	28	31	117	71	39
12	37	33	116	47	34
13	43	33	114	39	26
14	50	33	120	35	21
15	48	32	116	33	21
16	47	32	115	33	20
17	47	33	114	30	20
18	48	39	117	28	21
19	52	42	117	26	17
20	52	42	117	22	13
21	49	42	116	21	16
22	47	62	61	24	26
23	46	34	51	40	28
24	44	32	50	52	21
25	41	30	48	56	20
26	36	32	45	59	20
27	37	26	49	69	20
28	35	1	83	73	20
29	28	0	86	70	19
30	28	6	92	72	18
31	27	--	108	70	--
S.F.	1214	860	2727	2029	913
Mean	39	29	88	65	30
Max.	68	62	120	114	59
Min.	27	0	41	21	13
A.F.	2410	1710	5410	4020	1810

Water diverted 15360 A.F.

Acres reported A-2312-5683; A-3215b-1121;
 A-3772-71; A-3828-38; A-3831-0; A-3980b-1347;
 A-5133-0; A-6578-38; A-6943-16; A-9809-20;
 A-10443-37; A-11856-0; A-11907-0; A-12017-35;
 A-12355-105; A-13402-47; A-13474-37; A-14566-
 70; A-14777-56; A-14778-33; Total 8755

DAILY DIVERSIONS OF CANALS--1978

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
 TAYLOR-ORD SPILLWAY at 34.06 returned to North Loup River
 Measured over 6-foot weir--NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 17-19-14 W.
 Nr. Ord. From Hiway 70 & 11 Junction. 6/10 mile north
 on Hiway 11. 1 mile west, 3/10 mile north, 1/10 mile
 east, on left bank.

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
 BURWELL-SUMTER SPILLWAY at 24.90 returned to North Loup River
 Measured over 3-foot weir--SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 20-19-13 W.
 Nr. Ord. 1/10 mile northeast on Hiway 70. 4.6 miles
 east on gravel road, on left bank

Date	May	June	July	Aug.	Sept.
1	0	0	18	17	12
2	0	0	19	16	10
3	0	0	20	12	12
4	0	0	27	13	13
5	5	0	25	16	13
6	13	0	16	16	14
7	19	0	14	20	8
8	14	0	4	20	11
9	10	0	3	20	19
10	2	0	7	22	24
11	3	0	4	30	23
12	1	0	5	30	23
13	5	5	5	23	17
14	0	17	6	31	17
15	2	11	8	28	16
16	3	11	8	33	6
17	2	10	8	28	10
18	3	13	8	16	10
19	5	15	8	9	12
20	4	16	13	27	15
21	3	15	20	24	20
22	4	22	17	14	18
23	6	18	21	13	10
24	6	16	28	16	9
25	6	15	30	16	10
26	8	16	27	12	10
27	0	16	19	5	11
28	0	14	20	10	9
29	0	14	14	14	16
30	0	15	18	17	12
31	0	--	18	16	--
S.F.	124	289	458	584	415
Mean	4	10	15	19	14
Max.	19	22	30	33	24
Min.	0	0	3	5	6
A.F.	250	570	910	1160	820

Water returned 3710 A.F.

Date	May	June	July	Aug.	Sept.
1	0	4	0	5	14
2	2	4	2	6	13
3	3	4	8	6	13
4	2	3	9	5	13
5	1	3	10	4	12
6	1	2	9	4	10
7	2	2	8	5	8
8	2	5	10	3	11
9	1	7	10	3	10
10	1	6	6	4	10
11	0	5	3	8	12
12	0	6	2	9	14
13	2	6	2	4	13
14	3	7	3	2	12
15	4	7	5	14	10
16	3	7	6	14	7
17	3	7	7	14	7
18	3	7	6	14	8
19	3	8	6	15	7
20	3	8	6	14	7
21	3	8	9	13	6
22	3	9	11	10	5
23	3	9	10	12	8
24	3	6	10	13	15
25	4	6	11	10	12
26	3	5	12	10	10
27	3	6	10	11	10
28	4	6	11	13	10
29	4	2	12	14	10
30	4	2	10	13	10
31	4	--	7	13	--
S.F.	77	67	231	285	307
Mean	3	2	7	9	10
Max.	4	9	12	15	15
Min.	0	2	0	2	5
A.F.	150	130	460	570	610

Water returned 1920 A.F.

DAILY DIVERSIONS OF CANALS--1978

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
 ORD-NORTH LOUP CANAL from North Loup River
 Measured through rating flume--NW $\frac{1}{2}$ NE $\frac{1}{2}$ 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

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
 TAYLOR-ORD SPILLWAY at 33.90 returned to North Loup River via
 Dane Creek--Measured through 3-foot weir--SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 16-19-14 W.
 Nr. Ord. From Hiway 11 & 70 Junction, 7/10 mile north, on
 left bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	14	21	31	106	20
2	0	14	22	42	107	24
3	0	14	21	50	108	28
4	0	14	21	54	106	29
5	0	15	20	74	102	28
6	0	21	21	101	105	28
7	0	25	20	108	106	28
8	0	24	21	111	106	32
9	0	24	21	111	106	32
10	0	25	21	111	96	29
11	0	25	21	111	60	28
12	0	25	21	111	27	22
13	0	27	21	111	24	18
14	0	27	21	112	22	18
15	0	26	19	112	19	19
16	0	26	18	109	11	18
17	0	25	18	112	0	19
18	0	28	18	113	0	20
19	0	27	23	113	0	19
20	0	25	25	113	0	19
21	0	25	25	105	0	15
22	0	24	20	50	7	0
23	0	20	0	32	16	0
24	0	23	0	30	17	0
25	0	26	3	31	16	0
26	0	26	22	42	15	0
27	26	27	22	51	15	0
28	16	23	22	87	15	0
29	13	24	21	101	16	0
30	14	24	21	103	16	0
31	--	24	--	107	17	--
S.F.	69	717	570	2649	1361	493
Mean	2	23	19	85	44	16
Max.	26	28	25	113	108	32
Min.	0	14	0	30	0	0
A.F.	140	1420	1130	5250	2700	980

Water diverted 11620 A.F.

Date	May	June	July	Aug.	Sept.
1	0	0	7	6	6
2	0	0	7	6	6
3	0	0	7	6	5
4	0	0	6	6	4
5	0	0	7	5	4
6	0	0	6	5	3
7	0	0	5	5	4
8	0	0	4	5	5
9	2	0	4	5	5
10	4	0	4	6	5
11	4	0	2	7	5
12	4	0	2	8	4
13	4	0	1	8	3
14	4	3	1	8	2
15	4	6	0	8	2
16	4	7	1	8	2
17	4	7	1	8	2
18	4	7	3	7	2
19	5	7	3	7	1
20	5	7	5	8	1
21	5	7	6	7	1
22	5	7	7	7	1
23	5	7	7	7	2
24	5	7	8	7	3
25	5	7	8	6	3
26	5	7	8	7	3
27	3	7	8	6	3
28	2	6	8	6	3
29	1	7	9	6	3
30	0	7	9	6	3
31	0	--	8	6	--
S.F.	84	113	162	203	96
Mean	3	4	5	7	3
Max.	5	7	9	8	6
Min.	0	0	0	5	1
A.F.	170	220	320	400	190

Water returned 1300 A.F.

Acreage reported A-2312-5647; A-3215c-325; A-3672-0;
 A-3980c-570; A-4231-26; A-10209-0; A-10583-74; A-10842-
 0; A-14120-47; A-14741-15; A-14814-40; A-15031-75;
 A-15236-0; Total-6820

DAILY DIVERSIONS OF CANALS--1978
 NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
 ORD-NORTH LOUP SPILLWAY at 16.69 returned to North Loup River
 Measured over 3-foot weir--SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-18-12 W.
 Nr. North Loup. 2.6 miles southeast on Hiway 11, 7/10
 south, on left bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	4	8	5	4	5
2	0	1	8	11	2	4
3	0	2	8	10	5	5
4	0	1	8	6	6	6
5	0	1	8	4	6	6
6	0	1	8	3	8	5
7	0	1	8	3	8	6
8	0	4	9	4	8	5
9	0	2	9	5	9	5
10	0	0	8	4	12	7
11	0	0	8	3	13	10
12	0	0	9	2	12	12
13	0	0	9	3	13	6
14	0	0	9	3	12	6
15	0	1	8	4	14	6
16	0	1	8	5	6	9
17	0	1	7	6	2	8
18	0	4	8	6	1	9
19	0	5	8	6	1	9
20	0	4	11	8	1	7
21	0	3	11	12	1	9
22	0	4	9	13	0	4
23	0	5	4	12	0	0
24	0	5	2	14	4	0
25	0	7	1	14	8	0
26	0	8	3	13	8	0
27	0	11	6	7	8	0
28	4	9	11	2	8	0
29	3	9	7	7	7	0
30	3	8	4	9	4	0
31	-	10	-	9	4	-
S.F.	10	112	225	213	195	149
Mean	0	4	8	7	6	5
Max.	4	11	11	14	14	10
Min.	0	0	1	2	0	0
A.F.	20	220	450	420	390	300

Water returned 1800 A.F.

DAILY DIVERSIONS OF CANALS-1978

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
 Summary in Acre-feet--1978

	Apr.	May	June	July	Aug.	Sept.	Total
Diversions:							
Taylor-Ord Canal.....	0	2700	2660	10290	7920	4210	27780
Burwell-Sumter Canal....	0	2410	1710	5410	4020	1810	15360
Ord-North Loup Canal....	140	1420	1130	5250	2700	980	11620
Total diverted.....	140	6530	5500	20950	14640	7000	54760
Returned through spillways:							
Taylor-Ord Canal.....	0	420	790	1230	1560	1010	5010
Burwell-Sumter Canal....	0	150	130	460	570	610	1920
Ord-North Loup Canal....	20	220	450	420	390	300	1800
Total returned.....	20	790	1370	2110	2520	1920	8730
Net diversion.....	120	5740	4130	18840	12120	5080	46030

DAILY DIVERSIONS OF CANALS--1978
 NORTH PLATTE CANAL from North Platte River--Measured
 through 15-foot Parshall flume--NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13-14-34 W.
 Nr. Sutherland. 1.7 miles north of Hiway 30, 1/2 mile
 north on field access road, right bank of canal

Date	Apr.	May	June	July	Aug.	Sept.
1	0	58	83	295	273	218
2	0	59	83	295	236	206
3	0	57	82	287	207	186
4	0	59	80	278	164	179
5	0	63	89	293	185	178
6	0	66	97	295	179	174
7	0	72	99	293	174	171
8	0	65	99	285	177	171
9	0	71	99	273	183	174
10	0	64	99	278	188	177
11	0	61	105	270	185	168
12	0	59	108	270	195	163
13	0	58	124	275	198	155
14	0	56	129	273	227	152
15	0	55	133	273	233	140
16	0	63	166	273	233	130
17	0	87	182	276	228	126
18	0	94	179	273	232	128
19	0	94	173	285	246	128
20	0	93	177	204	204	130
21	0	92	182	171	203	133
22	0	93	182	171	203	133
23	0	94	183	175	204	130
24	20	92	194	198	206	130
25	54	91	194	191	204	126
26	37	89	197	203	207	120
27	45	92	241	243	233	118
28	47	92	280	238	230	114
29	50	91	287	270	214	115
30	49	86	295	283	208	129
31	--	84	---	275	221	---
S.F.	302	2350	4621	7962	6480	4502
Mean	10	76	154	257	209	150
Max.	54	94	295	295	273	218
Min.	0	55	80	171	164	114
A.F.	600	4660	9170	15790	12850	8930
Water diverted 52000 A.F.						
Acreage reported D-635-14065						

DAILY DIVERSIONS OF CANALS--1978
 NORTHPORT CANAL from North Platte River
 Measured through section of Tri-State Canal
 SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-21-51 W.
 Nr. Bayard. 4 miles north on Hiway 26, 7.4
 miles east on State Link 62A, 3.1 miles south
 on county road, 1.5 miles west on ditch road

Date	May	June	July	Aug.	Sept.
1	0	0	208	170	154
2	0	0	271	152	154
3	0	0	269	164	171
4	0	0	258	160	152
5	11	0	244	146	103
6	0	20	219	160	77
7	14	0	220	151	72
8	26	0	226	151	54
9	31	0	236	149	37
10	30	0	239	148	36
11	10	0	222	164	20
12	32	0	236	177	13
13	29	0	234	167	2
14	37	4	219	148	0
15	34	5	203	176	0
16	23	10	211	177	22
17	5	0	208	176	19
18	15	16	197	161	14
19	34	8	146	172	14
20	21	35	154	171	6
21	38	70	116	167	11
22	29	99	143	154	7
23	49	43	161	153	6
24	71	42	179	153	3
25	62	67	199	154	144
26	51	124	168	149	173
27	88	177	155	151	142
28	47	150	193	153	173
29	14	152	181	141	72
30	3	157	190	159	0
31	0	---	199	161	-
S.F.	804	1179	6304	4935	1851
Mean	26	39	203	159	62
Max.	88	177	271	177	173
Min.	0	0	116	141	0
A.F.	1590	2340	12500	9790	3670
Water diverted fr NPR-29890 A.F.					

DAILY DIVERSIONS OF CANALS--1978
 NORTHPORT CANAL from Drains
 entering Tri-State Canal

Date	May	June	July	Aug.	Sept.
1	49	98	122	206	212
2	103	94	119	204	210
3	105	54	121	219	210
4	108	87	123	215	211
5	107	111	126	208	211
6	107	118	152	211	210
7	117	103	148	215	209
8	111	81	144	207	211
9	110	116	145	207	218
10	110	94	144	200	220
11	108	81	144	196	228
12	106	108	143	193	225
13	105	103	145	189	225
14	104	116	145	202	220
15	100	116	147	207	215
16	100	117	147	204	214
17	103	121	145	203	217
18	112	121	157	209	219
19	102	120	217	213	217
20	102	119	184	212	221
21	110	116	232	208	218
22	98	116	180	210	217
23	102	127	193	210	214
24	100	118	189	211	212
25	101	127	194	212	70
26	99	115	195	214	41
27	110	119	195	220	41
28	116	118	188	218	41
29	107	116	187	227	42
30	110	120	193	220	16
31	104	---	184	214	--
S.F.	2861	3270	5048	6484	5435
Mean	92	109	163	209	181
Max.	117	127	232	227	228
Min.	98	54	119	189	16
A.F.	5670	6490	10010	12860	10780
Total from drains 45810 A.F.					

DAILY DIVERSIONS OF CANALS--1978

NORTHPORT DIVERSIONS FOR NORTHPORT IRRIGATION DISTRICT
Summary in Acre-feet--1978

Diverted from:	Section Township Range	Month					Total
		May	June	July	Aug.	Sept.	
North Platte River.....	10-23-58	1590	2340	12500	9790	3670	29890
*Sheep Creek.....	17-23-57	3500	3680	4720	6330	5300	23530
*Akers Draw.....	12-23-57	500	410	570	790	730	3000
*Tub Springs.....	27-33-55	990	1430	2530	2770	1870	9590
*Dry Spottedtail Cr.....	9-23-56	0	0	1170	1560	1110	3840
*Wet Spottedtail Cr.....	10-23-56	690	960	1020	1410	1770	5850
*Moffat Drain.....	25-22-53	0	0	0	0	0	0
*Alliance Drain.....	18-22-53	0	0	0	0	0	0
Totals.....		7270	8820	22510	22650	14450	75700

Water diverted 75700 A.F.
Acreage reported A-768-16110
Pathfinder storage included

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

DAILY DIVERSIONS OF CANALS--1978

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

Date	Apr.	May	June	July	Aug.	Sept.
1	0	0	22	56	70	33
2	0	0	22	72	74	28
3	0	0	22	76	52	25
4	0	0	22	86	49	24
5	0	0	22	85	33	8
6	0	0	23	84	14	0
7	0	0	24	84	39	0
8	0	0	23	84	48	0
9	0	9	23	85	46	0
10	0	16	23	83	41	0
11	0	17	23	81	41	0
12	0	19	23	84	47	0
13	0	20	24	79	48	0
14	0	20	24	75	54	0
15	0	20	24	74	56	0
16	0	19	22	73	53	0
17	0	18	20	68	55	0
18	0	20	20	68	56	0
19	0	20	20	72	56	0
20	0	20	21	77	59	0
21	0	19	21	64	60	0
22	0	20	21	56	58	0
23	0	20	23	49	57	0
24	0	18	25	50	57	0
25	2	19	26	42	54	0
26	6	20	27	52	36	0
27	0	21	26	53	36	0
28	0	18	35	56	38	0
29	0	18	46	56	35	0
30	0	19	49	61	34	0
31	-	22	--	73	34	-
S.F.	8	432	746	2158	1490	118
Mean	0	14	25	70	48	4
Max.	6	22	49	86	74	33
Min.	0	0	20	42	14	0
A.F.	20	860	1480	4280	2960	230

Water diverted 9830 A.F.
Acreage reported D-627-5975

DAILY DIVERSIONS OF CANALS--1978

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 Hwy 26, 3.6 miles north to left canal bank, 5/10 mile north to shelter

Date	Oct.	May	June	July	Aug.	Sept.
1	0	0	16	0	0	14
2	0	0	15	0	2	16
3	9	0	14	0	5	15
4	14	0	11	0	6	15
5	15	0	8	0	4	15
6	6	0	8	0	4	15
7	6	0	7	0	4	14
8	9	0	7	0	4	14
9	6	0	6	0	3	15
10	1	0	6	0	0	16
11	0	0	8	0	0	16
12	0	0	8	0	0	16
13	0	0	12	0	0	16
14	0	0	16	0	0	15
15	0	0	21	0	0	15
16	0	0	17	0	0	15
17	0	0	17	0	0	16
18	0	0	18	0	1	17
19	0	0	17	0	3	17
20	0	0	14	0	2	16
21	0	0	17	7	2	17
22	0	7	15	14	2	16
23	0	14	15	14	6	16
24	0	14	15	14	6	16
25	0	16	15	16	9	17
26	0	21	15	14	12	17
27	0	24	15	15	12	18
28	0	3	4	15	12	18
29	0	1	0	16	13	19
30	0	9	0	16	12	22
31	0	12	-	11	12	--
S.F.	66	121	357	152	136	484
Mean	2	4	12	5	4	16
Max.	15	24	21	16	13	22
Min.	0	0	0	0	0	14
A.F.	130	240	710	300	270	960

Water diverted 2610 A.F.
Acreage reported D-800-808; A-515-95; A-1738-176; Total-1079

DAILY DIVERSIONS OF CANALS--1978
 PAXTON-HERSHEY CANAL from North Platte River--Measured
 through Parshall flume--SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-14-33 W.
 Nr. Sutherland. 1.7 miles north of Hiway 30, 3/4 mile
 north of field access road, left bank of canal

Date	May	June	July	Aug.	Sept.
1	0	35	120	105	96
2	0	33	119	101	82
3	0	34	119	82	76
4	0	33	119	61	67
5	0	33	121	67	76
6	0	32	121	73	65
7	0	28	126	77	61
8	0	40	128	80	62
9	0	38	119	85	68
10	0	34	109	86	71
11	0	31	106	85	64
12	0	33	106	84	58
13	0	25	107	90	56
14	0	36	108	101	46
15	0	37	115	98	25
16	0	38	114	100	18
17	17	56	116	96	20
18	38	61	116	97	25
19	36	64	117	101	34
20	35	65	92	103	33
21	37	61	64	106	35
22	39	58	61	100	36
23	38	71	61	110	34
24	36	71	61	117	34
25	36	72	64	113	24
26	34	78	71	100	12
27	44	89	92	96	11
28	44	96	107	101	9
29	42	100	104	96	8
30	38	115	104	99	6
31	37	---	108	89	-
S.F.	551	1597	3195	2899	1312
Mean	18	53	103	94	44
Max.	44	115	128	117	96
Min.	0	25	61	61	6
A.F.	1090	3170	6340	5750	2600

Water diverted 18950 A.F.
 Acreage reported D-653-7323

DAILY DIVERSIONS OF CANALS--1978
 PHELPS COUNTY CANAL from Platte River via
 Tri-County Canal--Measured through Parshall
 flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2-8-21 W.
 Nr. Overton. 5 miles south on oil road, 6 $\frac{1}{2}$ miles
 west on county road, 1 $\frac{1}{2}$ miles north on canal road

Date	Apr.	May	June	July	Aug.	Sept.
1	0	78	368	1330	946	827
2	0	112	401	1330	883	730
3	0	126	404	1310	778	650
4	0	122	412	1320	778	592
5	0	134	404	1340	820	502
6	0	172	384	1310	841	446
7	0	142	359	1250	848	426
8	0	140	341	1250	904	384
9	0	164	350	1220	932	308
10	0	198	384	1210	876	285
11	0	222	387	1147	855	245
12	0	232	387	1056	855	176
13	0	240	387	1032	855	62
14	0	238	387	1104	869	0
15	0	275	394	1138	635	0
16	0	329	398	1147	665	0
17	0	344	408	1156	736	0
18	0	350	426	1147	778	0
19	0	356	443	1165	790	0
20	30	344	436	1165	754	0
21	67	338	464	953	736	0
22	68	335	540	778	855	0
23	44	341	640	808	968	0
24	29	368	700	848	1008	0
25	42	387	730	862	968	0
26	74	390	760	890	904	0
27	84	394	890	968	883	0
28	70	394	1096	1048	862	0
29	70	401	1192	1104	808	0
30	72	380	1260	1120	808	0
31	--	353	----	1088	834	-
S.F.	650	8399	16132	34594	26032	5633
Mean	22	271	538	1116	840	188
Max.	84	401	1260	1340	1008	827
Min.	0	78	341	778	635	0
A.F.	1290	16660	32000	68620	51630	11170

Water diverted 181370 A.F.

DAILY DIVERSIONS OF CANALS--1978
 PIONEER CANAL from Niobrara River--Measured
 through rating flume--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 36-29-51 W.
 Nr. Marsland. 3 miles east on county road
 1/4 mile south, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	0	4	0	0
2	0	0	3	0	0
3	0	2	2	0	0
4	0	6	2	0	0
5	0	6	3	0	0
6	0	7	4	0	0
7	0	7	4	1	0
8	0	4	3	7	0
9	0	5	0	8	0
10	0	5	0	9	0
11	0	5	0	6	0
12	0	5	0	4	0
13	5	5	0	4	0
14	10	4	0	4	0
15	10	4	0	4	0
16	10	3	0	5	0
17	9	3	0	5	0
18	8	2	0	6	0
19	8	0	0	5	0
20	8	0	0	5	0
21	10	0	0	5	0
22	9	1	0	4	0
23	8	2	0	3	0
24	8	6	0	3	0
25	4	6	0	3	0
26	0	6	0	3	0
27	0	6	0	3	0
28	0	6	0	3	0
29	0	6	0	3	0
30	0	5	0	1	0
31	0	-	0	0	-
S.F.	107	117	25	104	0
Mean	3	4	1	3	0
Max.	10	7	4	9	0
Min.	0	0	0	0	0
A.F.	210	230	50	210	0

Water diverted 700 A.F.
 Acreage reported D-442a-604; A-3812-55;
 A-4599-15; A-5010-75; Total-749

DAILY DIVERSIONS OF CANALS--1978
 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	3	2
2	0	0	6	3	2
3	0	0	7	3	2
4	0	0	7	3	2
5	0	0	7	3	2
6	0	0	8	3	2
7	0	0	8	3	2
8	0	0	8	3	3
9	0	0	9	3	2
10	0	0	9	3	0
11	0	0	9	3	0
12	0	0	9	2	0
13	0	0	8	2	0
14	0	0	8	2	0
15	0	0	7	2	0
16	0	0	7	2	0
17	0	0	6	2	0
18	0	0	6	2	0
19	0	0	6	3	0
20	0	3	6	3	0
21	0	5	5	3	0
22	0	5	5	3	0
23	0	4	5	3	0
24	0	3	5	3	0
25	0	3	4	3	0
26	0	2	4	2	0
27	0	2	4	2	0
28	0	2	4	2	0
29	0	3	3	2	0
30	0	4	3	2	0
31	0	-	3	2	-
S.F.	0	36	191	80	19
Mean	0	1	6	3	1
Max.	0	5	9	3	3
Min.	0	0	3	2	0
A.F.	0	70	380	160	40

Water diverted 650 A.F.
 Acreage reported A-2566-473; A-10686-145;
 Total-618

DAILY DIVERSIONS OF CANALS--1978
 RAMSHORN CANAL from North Platte River--Measured
 over 15-foot weir--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19-23-57 W.
 Nr. Henry. From Hiway junction 29 & 92, 4.5 miles
 east on Hiway 29, 8/10 mile south, 1/10 mile west,
 on left bank

Date	May	June	July	Aug.	Sept.
1	0.0	0.0	0.0	0.0	0.5
2	.0	.0	.0	.0	.8
3	.0	.0	.0	.0	.9
4	.0	.0	.0	.0	.8
5	.0	.0	.0	.0	.7
6	.0	.0	.0	.0	.8
7	.0	.0	.0	.0	.5
8	.0	.0	.0	.0	.6
9	.0	.0	.0	.0	.7
10	.0	.0	.0	.0	.7
11	.0	.0	.0	.9	.7
12	.0	.0	.0	1.0	.6
13	.0	.0	.0	1.6	.4
14	.0	.0	.0	1.5	.2
15	.0	.0	.0	.0	.3
16	.0	.0	.0	.0	.3
17	.0	.0	.0	.0	.6
18	.0	.0	.0	.0	.8
19	.0	.0	.0	.0	.6
20	.0	.0	.0	.0	.5
21	.0	.0	.0	.0	.7
22	.0	.0	.0	.0	.8
23	.0	.0	.0	.1	.8
24	.0	.0	.0	.0	.6
25	.0	.0	.0	.0	.2
26	.0	.0	.0	.1	.0
27	.0	.0	.0	.1	.0
28	.0	.0	.0	.1	.0
29	.0	.0	.0	.1	.0
30	.0	.0	.0	.2	.0
31	.0	--	.0	.6	--
S.F.	.0	.0	.0	6.3	15.1
Mean	.0	.0	.0	.2	.5
Max.	.0	.0	.0	1.6	.9
Min.	.0	.0	.0	.0	.0
A.F.	0	0	0	10	30

Total acre-feet 40 A.F.
 Acreage reported D-945-1652

DAILY DIVERSIONS OF CANALS--1978
 RED WILLOW CANAL from Red Willow Creek--Measured
 through orifice check--SW $\frac{1}{4}$ SE $\frac{1}{4}$ 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	76	63	46
2	0	0	99	76	48
3	0	0	100	62	48
4	0	0	96	42	46
5	0	0	87	37	36
6	0	0	83	37	28
7	0	0	79	36	24
8	0	0	74	33	7
9	0	0	72	41	0
10	0	0	73	44	0
11	0	0	76	43	0
12	0	0	75	43	0
13	0	16	72	43	0
14	0	26	68	51	0
15	0	23	66	65	0
16	0	20	65	64	0
17	0	19	65	58	0
18	0	19	64	42	0
19	0	22	62	37	0
20	0	31	63	37	0
21	0	44	50	44	0
22	0	48	41	61	0
23	0	51	40	64	0
24	0	52	36	64	0
25	0	52	33	64	0
26	0	57	36	64	0
27	0	72	41	65	0
28	0	86	55	64	0
29	0	99	68	61	0
30	0	94	67	57	0
31	0	--	73	50	-
S.F.	0	831	2055	1612	283
Mean	0	28	66	52	9
Max.	0	99	100	76	48
Min.	0	0	33	33	0
A.F.	0	1650	4080	3200	560

Water diverted 9490 A.F.
 Acreage reported A-3869cR-2846; A-6216-
 491; A-10195-73; A-12068-677; A-12201-82;
 A-14178-275; Total-4444

DAILY DIVERSIONS OF CANALS--1978
 RIVERSIDE CANAL from Frenchman River--Measured
 in section of canal--NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 33-4-32 W.
 Nr. Culbertson

Date	May	June	July	Aug.	Sept.
1	0	0	8	7	10
2	0	0	10	7	11
3	0	0	11	7	12
4	0	0	10	9	14
5	0	0	9	7	15
6	0	0	9	6	16
7	0	0	9	6	15
8	0	0	9	5	15
9	0	0	8	4	15
10	0	0	7	4	14
11	0	0	6	3	14
12	0	0	7	2	13
13	0	11	7	3	12
14	0	10	11	3	12
15	0	9	10	3	0
16	0	8	7	2	0
17	0	8	6	2	0
18	0	8	6	0	0
19	0	8	5	0	0
20	0	9	5	11	0
21	0	10	7	6	0
22	0	10	6	2	0
23	0	10	5	0	0
24	0	11	5	0	0
25	0	11	3	0	0
26	0	11	4	0	0
27	0	12	2	0	0
28	0	10	2	0	0
29	0	9	2	0	0
30	0	9	2	0	0
31	0	-	2	0	-
S.F.	0	174	200	99	188
Mean	0	6	6	3	6
Max.	0	12	11	11	16
Min.	0	0	2	0	0
A.F.	0	350	400	200	370

Water diverted 1320 A.F.
 Acreage reported D-18-359; A-1674-202;
 Total-561

DAILY DIVERSIONS OF CANALS--1978
 SARGENT CANAL from Middle Loup River--Measured
 through 10-foot Parshall flume--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-21-21 W.
 Nr. Milburn. 2/10 mile east of diversion dam on left bank

Date	May	June	July	Aug.	Sept.
1	0	0	199	237	94
2	0	43	213	225	91
3	0	70	238	201	91
4	0	64	250	186	75
5	0	62	276	168	72
6	0	65	263	163	73
7	0	65	258	163	73
8	0	65	269	177	80
9	0	65	263	180	74
10	0	65	256	150	71
11	0	65	262	95	68
12	0	71	262	63	65
13	0	75	261	52	60
14	0	89	258	51	51
15	0	89	258	41	26
16	0	89	256	44	0
17	0	87	254	49	0
18	0	94	261	48	0
19	0	100	258	44	0
20	0	97	246	44	0
21	0	96	210	54	0
22	0	96	142	72	0
23	0	96	104	119	0
24	0	95	104	166	0
25	0	96	103	208	0
26	0	104	103	226	0
27	0	112	114	220	0
28	0	116	162	179	0
29	0	132	210	141	0
30	0	162	225	112	0
31	0	---	246	98	-
S.F.	0	2525	6784	3976	1064
Mean	0	84	219	128	35
Max.	0	162	276	237	94
Min.	0	0	103	41	0
A.F.	0	5010	13460	7890	2110

Water diverted 28470 A.F.
 Acreage reported A-4841a-13828; A-10260c-
 Suppl; A-12433-53; A-12632-56; Total-13937

DAILY DIVERSIONS OF CANALS--1978

SHERIDAN-WILSON CANAL from North Platte
Measured through section of canal--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19-14-35 W.
Nr. Paxton. 3.7 miles north of Hwy 30, 500 feet west on
right canal bank

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

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

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

Date	May	June	July	Aug.	Sept.
1	7	8	8	7	7
2	7	8	8	7	7
3	7	8	8	7	7
4	7	8	8	7	7
5	7	8	8	7	7
6	7	7	8	7	7
7	7	7	8	7	7
8	7	7	8	8	7
9	7	7	8	8	7
10	7	7	8	8	7
11	7	7	8	8	7
12	7	7	8	8	7
13	8	7	8	8	7
14	8	7	8	8	7
15	8	7	8	8	7
16	8	7	7	8	7
17	8	7	7	8	7
18	8	7	7	8	7
19	8	7	7	8	7
20	8	7	7	8	7
21	8	7	7	8	7
22	8	7	7	8	7
23	8	8	7	8	8
24	8	8	7	8	8
25	8	8	7	8	8
26	8	8	7	8	8
27	8	8	7	8	8
28	8	8	7	7	8
29	8	8	7	7	8
30	8	8	7	7	8
31	8	-	7	7	-
S.F.	236	223	232	237	218
Mean	8	7	7	8	7
Max.	8	8	8	8	8
Min.	7	7	7	7	7
A.F.	470	440	460	470	430

Water diverted 2270 A.F.

DAILY DIVERSIONS OF CANALS--1978

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

Date	Oct.	May	June	July	Aug.	Sept.
1	18	0	34	35	25	19
2	19	0	29	32	28	17
3	19	0	28	42	28	18
4	20	0	46	38	28	18
5	22	0	54	40	25	16
6	9	0	46	52	9	23
7	0	0	56	32	11	25
8	0	0	38	33	19	30
9	0	0	36	35	26	23
10	0	0	43	35	23	26
11	0	0	38	35	25	28
12	0	0	36	33	34	26
13	0	0	38	33	45	25
14	0	0	38	35	28	16
15	0	0	33	37	21	14
16	0	0	35	42	28	16
17	0	6	40	41	36	21
18	0	12	32	39	29	21
19	0	10	32	37	24	23
20	0	13	35	39	24	32
21	0	35	40	39	24	28
22	0	21	46	33	26	26
23	0	35	41	30	17	18
24	0	32	57	30	20	16
25	0	61	42	31	29	16
26	0	81	41	33	28	19
27	0	85	43	29	32	19
28	0	26	38	28	30	13
29	0	11	43	30	17	14
30	0	28	39	30	25	14
31	0	42	--	25	18	--
S.F.	107	498	1197	1083	782	620
Mean	3	16	40	35	25	21
Max.	22	85	57	52	45	32
Min.	0	0	28	25	9	13
A.F.	210	990	2370	2150	1550	1230

Water diverted 8500 A.F.
Acreage reported D-946-2752

DAILY DIVERSIONS OF CANALS--1978

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

Date	May	June	July	Aug.	Sept.
1	0	0	3	15	3
2	0	0	7	1	1
3	0	0	26	1	1
4	0	0	26	1	1
5	0	0	25	0	1
6	0	0	24	0	0
7	0	0	28	0	0
8	0	0	29	0	0
9	0	0	31	0	0
10	0	0	28	0	0
11	0	0	29	0	0
12	0	0	30	0	0
13	0	0	29	0	0
14	0	0	28	9	0
15	0	0	26	16	0
16	0	0	25	10	0
17	0	0	25	22	0
18	0	0	28	23	0
19	0	0	30	26	0
20	0	0	26	33	0
21	0	0	20	28	0
22	0	0	9	17	0
23	0	0	0	16	0
24	0	0	0	14	0
25	0	0	0	5	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	1	30	0	0
30	0	1	30	4	0
31	0	-	25	7	-
S.F.	0	2	617	248	7
Mean	0	0	20	8	0
Max.	0	1	31	33	3
Min.	0	0	0	0	0
A.F.	0	0	1220	490	10

Water diverted 1720 A.F.
Acreage reported D-680-1173

DAILY DIVERSIONS OF CANALS--1978
 SUBURBAN CANAL from North Platte River--Measured
 through rating flume--NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 12-14-33 W.
 Nr. Hershey. 2 miles north of Hiway 30, 1 mile west
 on county road, 200 feet north, 100 feet west, left
 side of canal

Date	Oct.	May	June	July	Aug.	Sept.
1	49	0	75	100	102	77
2	20	9	75	112	95	78
3	0	73	75	118	78	79
4	0	70	75	124	70	78
5	0	70	75	129	62	76
6	0	26	76	125	56	76
7	0	2	75	127	69	76
8	0	6	74	127	86	75
9	0	2	71	128	76	76
10	0	0	69	129	68	76
11	0	0	71	127	58	76
12	0	0	71	126	77	80
13	0	12	72	51	77	61
14	0	1	77	47	86	45
15	0	0	84	94	93	48
16	0	21	84	104	88	44
17	0	48	84	104	76	40
18	0	58	84	107	91	45
19	0	65	84	114	96	45
20	0	70	84	98	89	42
21	0	74	74	72	83	42
22	0	77	74	67	83	42
23	0	74	76	65	84	38
24	0	75	86	65	81	23
25	0	75	78	75	82	23
26	0	75	78	80	83	22
27	0	75	82	87	83	18
28	0	75	89	96	81	0
29	0	75	89	94	79	0
30	0	75	92	99	78	0
31	0	75	--	101	75	-
S.F.	69	1358	2353	3092	2485	1501
Mean	2	44	78	100	80	50
Max.	49	77	92	129	102	80
Min.	0	0	69	47	56	0
A.F.	140	2690	4670	6130	4930	2980

Water diverted 21540 A.F.
 Acreage reported D-662-5531

DAILY DIVERSIONS OF CANALS--1978
 SUPERIOR CANAL from Republican River--Measured
 through 12-foot Parshall flume--NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-1-9 W.
 Nr. Guide Rock. 2 miles west, 2/10 mile south, 3/10
 mile east on north side of canal

Date	May	June	July	Aug.	Sept.
1	0	0	121	129	77
2	0	0	122	91	67
3	0	0	134	18	64
4	0	0	139	0	55
5	0	0	139	0	54
6	0	0	148	0	48
7	0	0	152	76	48
8	0	0	150	105	25
9	0	0	149	106	0
10	0	0	148	106	0
11	0	0	147	109	0
12	0	0	147	107	0
13	0	0	145	102	0
14	0	0	147	101	0
15	0	0	146	105	0
16	0	0	146	97	0
17	0	0	145	92	0
18	0	0	145	86	0
19	0	52	141	92	0
20	0	74	136	96	0
21	0	75	144	96	0
22	0	76	117	95	0
23	0	93	20	95	0
24	0	99	0	93	0
25	0	103	0	95	0
26	0	121	0	107	0
27	0	130	0	110	0
28	0	122	0	109	0
29	0	111	34	99	0
30	0	112	72	90	0
31	0	---	120	88	-
S.F.	0	1168	3354	2695	438
Mean	0	39	108	87	15
Max.	0	130	152	129	77
Min.	0	0	0	0	0
A.F.	0	2320	6650	5340	870

Water diverted 15180 A.F.
 Acreage reported A-2691cR-5456; A-6223-
 264; A-9723-45; A-9875-49; A-10966-93;
 Total-5907

DAILY DIVERSIONS OF CANALS--1978
 SUTHERLAND CANAL from North Platte River for Storage and Power
 Measured through concrete lined section of canal--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 7-14-37 W.
 Nr. Roscoe. 5.9 miles north of Hiway 30, 1/2 mile west on canal road,
 left side of canal

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	654	829	809	688	703	432	352	858	1660	1840	1730	1580
2	680	843	834	701	710	488	367	858	1660	1840	1730	1590
3	678	840	840	690	710	566	361	852	1660	1840	1720	1600
4	509	843	836	680	698	574	354	858	1650	1840	1720	1600
5	407	845	874	680	694	568	361	888	1640	1840	1730	1550
6	349	840	888	678	704	561	351	1040	1640	1810	1720	1340
7	301	840	883	674	722	519	351	1140	1620	1820	1720	1200
8	274	829	865	683	728	428	358	1070	1620	1820	1710	1350
9	298	771	859	686	723	411	360	1100	1620	1820	1700	1590
10	312	813	868	699	708	400	363	1130	1620	1820	1700	1750
11	292	832	854	704	701	399	359	1130	1620	1810	1700	1740
12	310	838	843	693	716	395	359	1130	1620	1810	1700	1750
13	321	836	832	682	711	399	357	1110	1590	1800	1700	1750
14	319	816	840	680	706	391	360	1120	1580	1790	1680	1750
15	390	818	836	678	708	389	364	1170	1740	1780	1640	1770
16	540	802	784	711	711	387	365	1280	1820	1760	1710	1760
17	711	791	627	710	713	382	380	1300	1850	1760	1720	1770
18	802	823	658	699	715	380	353	1300	1820	1740	1710	1680
19	832	840	693	693	713	372	337	1270	1860	1740	1640	1400
20	825	735	666	698	706	376	361	1260	1830	1720	1560	1180
21	831	804	723	699	675	371	367	1260	1820	1680	1540	883
22	840	877	669	696	537	367	385	1280	1760	1700	1540	661
23	836	863	661	698	483	370	369	1440	1640	1720	1530	473
24	840	854	667	698	480	373	363	1640	1470	1730	1540	270
25	836	841	706	704	492	378	386	1810	1460	1740	1560	223
26	832	847	669	782	497	376	505	1810	1500	1740	1570	201
27	829	814	662	708	480	373	698	1830	1660	1750	1560	191
28	838	838	669	696	452	364	836	1820	1750	1750	1580	188
29	841	847	670	696	---	363	852	1790	1770	1750	1580	220
30	834	841	669	701	---	361	845	1800	1820	1740	1590	334
31	798	---	680	698	---	354	---	1660	---	1740	1590	---
S.F.	18959	24850	23634	21583	18296	12867	12779	40004	50370	55040	51120	35344
Mean	612	828	762	696	653	415	426	1290	1679	1775	1649	1178
Max.	841	877	888	782	728	574	852	1830	1860	1840	1730	1770
Min.	274	735	627	674	452	354	337	852	1460	1680	1530	188
A.F.	37600	49290	46880	42810	36290	25520	25350	79350	99910	109170	101400	70100

Water diverted 723670 A.F.

DAILY DIVERSIONS OF CANALS--1978
 SUTHERLAND CANAL for power from South Platte River
 Measured through 25-foot Parshall flume--SE $\frac{1}{4}$ Sec. 8-13-36 W.
 Nr. Paxton. 5.9 miles west on I-80 access road, left side of canal

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	77	118	73	157	263	137	120	127	41	0	0
2	28	76	113	82	166	254	153	107	122	41	0	0
3	33	73	98	67	168	236	148	107	122	38	0	0
4	30	74	106	69	170	216	141	102	122	28	0	0
5	27	76	77	89	170	214	148	92	137	9	0	0
6	29	77	39	96	175	234	155	90	139	0	0	0
7	39	79	36	110	187	228	142	112	132	0	0	0
8	50	92	40	107	187	272	149	89	134	0	0	0
9	58	96	40	100	153	352	139	86	175	0	0	0
10	62	95	43	73	144	492	157	107	207	0	0	0
11	50	84	45	77	141	509	141	95	228	0	0	0
12	50	84	44	84	127	472	139	90	230	0	0	0
13	80	86	50	92	139	472	132	90	201	0	0	0
14	106	86	76	106	144	394	132	86	175	0	0	0
15	106	84	120	113	148	352	132	79	144	0	0	0
16	113	83	179	108	168	317	127	72	106	0	0	0
17	108	83	189	115	170	283	129	57	72	0	0	0
18	96	83	146	102	170	263	124	62	84	0	0	0
19	92	89	172	89	168	240	115	61	177	0	0	0
20	88	54	106	90	172	222	108	49	244	0	0	0
21	83	27	45	96	175	216	107	48	285	0	0	0
22	80	43	63	102	193	199	115	50	310	0	0	0
23	79	57	90	106	207	193	112	53	322	0	0	0
24	80	69	127	110	236	187	107	50	296	0	0	0
25	79	98	88	117	254	177	102	48	162	0	0	0
26	79	113	94	127	296	175	104	42	108	0	0	0
27	77	141	90	127	322	168	108	50	79	0	0	0
28	74	149	95	136	298	160	130	115	60	0	0	0
29	77	141	98	141	---	155	110	117	49	0	0	0
30	77	127	115	151	---	149	110	134	41	0	0	0
31	77	---	108	153	---	146	---	134	--	0	0	-
S.F.	2123	2596	2850	3208	5205	8210	3853	2594	4790	157	0	0
Mean	68	87	92	103	186	265	128	84	160	5	0	0
Max.	113	149	189	153	322	509	157	134	322	41	0	0
Min.	16	27	36	67	127	146	102	42	41	0	0	0
A.F.	4210	5150	5650	6360	10320	16280	7640	5150	9500	310	0	0
Water diverted	70570 A.F.											

DAILY DIVERSIONS OF CANALS--1978
 SUTHERLAND POWER RETURN to the South Platte River at North Platte
 Measured through power wheels--NE $\frac{1}{4}$ 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

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	485	620	665	560	520	430	515	800	895	1825	1660	1535
2	540	690	660	565	525	430	530	795	900	1795	1544	1540
3	510	690	690	520	520	510	450	800	900	1645	1498	1540
4	475	690	695	505	515	430	410	795	895	1745	1340	1525
5	455	665	685	495	510	430	400	795	905	1865	1269	1465
6	435	675	720	490	515	430	420	795	900	1920	1298	1305
7	325	680	685	490	550	430	370	780	890	1875	1403	1130
8	310	710	670	510	570	430	370	935	890	1765	1497	1130
9	310	705	665	605	575	430	370	955	890	1640	1532	1205
10	110	700	665	635	570	430	410	970	895	1615	1613	1200
11	70	685	665	635	520	430	455	955	880	1615	1599	1205
12	65	705	665	585	515	395	455	880	995	1600	1691	1200
13	70	690	665	555	510	305	460	850	1085	1665	1861	1185
14	60	685	665	545	510	520	460	830	1075	1610	1924	1205
15	80	685	665	555	515	575	555	840	1145	1685	1810	1040
16	60	695	590	600	510	680	550	840	1150	1680	1684	1025
17	325	705	575	635	510	715	475	835	1135	1675	1884	1030
18	525	685	575	645	515	795	610	840	1155	1680	1911	1045
19	540	685	590	635	515	685	665	840	1155	1760	1920	925
20	550	690	585	640	525	685	695	830	1145	1620	1909	795
21	555	690	600	640	510	705	725	840	1145	1450	1877	640
22	535	665	600	645	460	695	770	935	1175	1370	1820	670
23	535	660	600	640	445	695	770	925	1195	1325	1810	655
24	525	640	600	575	460	700	770	915	1205	1315	1834	650
25	585	640	600	570	450	680	800	900	1200	1275	1778	665
26	585	640	600	570	450	725	830	890	1270	1330	1612	785
27	595	640	595	575	455	690	845	965	1415	1395	1612	755
28	590	640	510	570	450	690	840	925	1435	1480	1607	735
29	610	660	510	505	---	655	840	835	1535	1435	1605	750
30	630	640	510	505	---	600	805	830	1695	1580	1548	805
31	655	---	535	500	---	590	---	850	---	1735	1542	---
S.F.	12700	20250	19300	17700	14195	17590	17620	26770	33150	49970	51492	31340
Mean	410	675	623	571	507	567	587	864	1105	1612	1661	1045
Max.	655	710	720	645	575	795	845	970	1695	1920	1924	1540
Min.	60	620	510	490	445	305	370	780	880	1275	1269	640
A.F.	25190	40170	38280	35110	28160	34890	34950	53100	65750	99110	102130	62160
Water returned	619000 A.F.											

DAILY DIVERSIONS OF CANALS--1978
 THIRTY MILE CANAL from Platte River--Measured
 through Parshall flume--NW¼NW¼ Sec. 30-12-26 W.
 Nr. Brady. 3½ miles, south from Hwy 30, 2 miles
 east, 4/5 mile north, east through year, southeast
 to end of road

Date	Oct.	May	June	July	Aug.	Sept.
1	16	0	75	299	222	162
2	0	0	80	301	242	155
3	0	0	76	301	211	154
4	0	0	79	299	162	154
5	0	0	79	332	146	154
6	0	0	76	350	152	154
7	0	0	75	350	152	154
8	0	0	74	352	149	151
9	0	0	75	352	151	146
10	0	0	75	343	146	146
11	0	0	76	301	199	122
12	0	0	78	297	226	98
13	0	0	78	295	224	98
14	0	0	81	297	222	98
15	0	0	79	297	222	79
16	0	0	75	303	235	74
17	0	0	75	334	244	64
18	0	0	75	303	250	64
19	0	0	76	299	250	76
20	0	0	76	269	252	75
21	0	0	78	259	231	79
22	0	48	140	257	199	74
23	0	76	173	231	199	69
24	0	76	175	195	201	67
25	0	75	172	192	199	64
26	0	74	218	199	199	64
27	0	75	252	199	188	66
28	0	74	256	201	201	78
29	0	72	252	202	185	29
30	0	72	277	202	172	0
31	0	72	---	199	170	-
S.F.	16	714	3526	8610	6201	2968
Mean	1	23	118	278	200	99
Max.	16	76	277	352	252	162
Min.	0	0	74	192	146	0
A.F.	30	1420	6990	17080	12300	5890

Water diverted 43710 A.F.

Acreage reported A-1853R-19547; A-1976-3555;
 A-2077-320; Total-23422

DAILY DIVERSIONS OF CANALS--1978
 TRI-COUNTY CANAL from Platte River for Power and Irrigation
 Measured through 30-foot Parshall flume--NW¼ Sec. 28-13-29 W.
 Nr. North Platte. 6.7 miles southeast of State Farm gate on
 paved county road, 1/4 mile south on canal road, on left bank

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1491	1062	1168	711	748	881	1130	1362	1432	2155	2138	1829
2	1581	1212	1190	772	689	904	1194	1327	1377	2146	2126	1843
3	1421	1212	1185	990	856	1063	1245	1273	1370	2154	2115	1833
4	1329	1170	1225	949	870	857	1112	1259	1375	2156	2117	1823
5	1220	1165	1122	980	834	888	1072	1254	1496	2140	2136	1758
6	1277	1185	864	960	776	787	1073	1325	1397	2115	2133	1596
7	1129	1230	884	1024	534	845	949	1427	1360	2150	2136	1425
8	1239	1247	952	854	705	1005	926	1527	1316	2140	2140	1355
9	1289	1237	697	842	784	1175	1011	1463	1226	2151	2126	1434
10	1140	1221	813	852	958	1258	1062	1512	1275	2128	2115	1500
11	972	1216	988	867	986	1449	1029	1502	1251	2141	2118	1544
12	882	1172	1016	996	947	1603	1017	1434	1375	2152	2133	1472
13	894	1183	1161	927	799	1518	1055	1368	1423	2153	2150	1489
14	932	1192	1187	903	876	1429	1020	1316	1415	2143	2128	1567
15	951	1166	1194	818	934	1527	1078	1388	1422	2128	2110	1423
16	1027	1165	1158	669	880	1529	1104	1349	1408	2107	2110	1390
17	1093	1192	1338	815	1018	1507	1093	1281	1326	2120	2142	1367
18	1142	1207	1191	806	1053	1608	1214	1276	1514	2142	2092	1431
19	1177	1181	1129	830	985	1528	1228	1376	1665	2132	1970	1224
20	1067	1186	1109	845	999	1467	1287	1277	1633	2144	2001	1240
21	1069	903	841	879	1010	1437	1252	1273	1803	2158	2133	1098
22	996	1024	1055	900	1020	1515	1285	1474	2047	2151	2123	1027
23	989	1259	1175	1012	1006	1488	1266	1500	2146	2143	2120	1044
24	1013	1313	1227	920	1046	1387	1247	1372	2144	2112	2115	1046
25	1069	1256	1004	813	1067	1383	1257	1326	2159	2156	2132	1064
26	1045	1243	943	677	1108	1392	1292	1273	2151	2140	2110	1099
27	1042	1238	1075	723	1043	1430	1280	1421	2156	2147	2115	1375
28	1048	1251	1003	839	1061	1401	1304	1500	2181	2155	2114	1142
29	1038	1208	982	902	----	1350	1312	1553	2185	2138	2122	1130
30	1037	1202	1056	895	----	1316	1321	1489	2166	2144	2009	1196
31	1009	----	852	803	----	1242	----	1423	----	2157	1846	----
S.F.	34608	35698	32784	26773	25592	40169	34715	42900	49194	66398	65175	41764
Mean	1116	1190	1058	864	914	1296	1157	1384	1640	2142	2102	1392
Max.	1581	1313	1338	1024	1108	1608	1321	1553	2185	2158	2150	1843
Min.	882	903	697	669	534	787	926	1254	1226	2107	1846	1027
A.F.	68640	70810	65030	53100	50760	79670	68860	85090	97570	131700	129270	82840

Water diverted 983340 A.F.

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

DAILY DIVERSIONS OF CANALS--1978
 TRI-COUNTY CANAL, JEFFREY POWER RETURN to Platte River
 Measured through Parshall flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 16-13-27 W.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	27	117	4	281
2	0	0	0	0	0	0	0	0	50	61	0	273
3	0	0	0	0	0	0	0	0	51	76	0	267
4	0	0	0	0	0	0	0	0	69	165	0	273
5	0	0	0	0	0	0	0	0	81	82	32	242
6	0	0	0	0	0	0	0	0	106	6	279	208
7	0	0	0	0	0	0	0	0	113	0	461	242
8	0	0	0	0	0	0	0	0	93	0	442	269
9	0	0	0	0	0	0	0	0	93	0	435	273
10	0	0	0	0	0	0	0	0	98	0	461	277
11	0	0	0	0	0	0	0	0	100	0	528	254
12	0	0	0	0	0	0	0	0	120	0	611	215
13	0	0	0	0	0	144	0	0	141	0	569	217
14	0	0	0	0	0	271	0	0	170	0	505	201
15	0	0	0	0	0	200	0	0	180	0	424	175
16	0	0	0	0	0	206	0	28	125	0	566	227
17	0	0	0	0	0	183	0	54	138	18	651	116
18	0	36	0	0	0	116	0	56	165	62	648	19
19	0	0	0	0	0	0	0	28	215	62	654	0
20	0	0	0	0	0	0	0	0	250	0	665	0
21	0	0	0	0	0	0	0	0	295	0	587	0
22	0	0	0	0	0	0	0	44	387	0	512	0
23	0	0	0	0	0	0	0	48	410	0	419	0
24	0	0	0	0	0	0	0	48	387	0	385	0
25	0	0	0	0	0	0	0	44	279	2	222	0
26	0	0	0	0	0	0	0	43	140	105	102	0
27	0	0	0	0	0	0	0	42	154	291	105	0
28	0	0	0	0	0	0	0	38	220	330	208	0
29	0	0	0	0	-	0	0	37	120	352	259	0
30	0	0	0	0	-	0	0	20	135	414	347	0
31	0	-	0	0	-	0	-	0	---	259	403	-
S. F.	0	36	0	0	0	1120	0	530	4912	2402	11484	4029
Mean	0	1	0	0	0	36	0	17	164	77	370	134
Max.	0	36	0	0	0	271	0	56	410	414	665	281
Min.	0	0	0	0	0	0	0	0	27	0	0	0
A. F.	0	70	0	0	0	2220	0	1050	9740	4760	22780	7990

Water returned 48610 A.F.

DAILY DIVERSIONS OF CANALS--1978
 TRI-COUNTY CANAL, JOHNSON POWER RETURN
 To Platte River--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2-8-21 W.
 Nr. Overton. 5 miles south on oil road, 6 $\frac{1}{2}$ miles west on county road, 1 $\frac{1}{2}$ miles north on canal road

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	675	746	585	797	852	797	625	552	126	45	25	0
2	675	731	665	807	852	797	716	493	108	10	30	0
3	554	695	660	827	892	776	691	449	130	18	40	0
4	499	620	686	822	928	847	665	538	107	18	50	0
5	529	675	691	822	882	857	736	496	135	17	108	0
6	549	675	645	807	852	827	761	438	206	30	117	0
7	595	660	681	827	776	832	701	473	180	20	125	124
8	614	671	746	832	822	857	701	495	209	0	100	246
9	614	660	786	822	862	862	706	365	255	0	30	287
10	574	660	807	817	827	907	711	321	216	0	35	289
11	620	696	731	842	827	822	711	338	218	0	25	310
12	715	676	736	832	817	862	771	302	213	0	12	283
13	756	676	681	862	792	887	746	325	293	0	28	321
14	680	671	686	797	807	1018	797	357	168	0	5	600
15	726	660	630	817	817	1366	706	295	145	0	40	605
16	701	625	630	802	781	1346	797	271	121	0	2	570
17	721	671	640	797	756	1386	741	226	106	0	9	590
18	660	671	610	812	776	1276	691	189	88	0	30	565
19	645	645	620	827	822	1255	630	264	51	0	50	549
20	620	650	635	771	792	1235	570	261	48	0	50	595
21	546	676	650	771	837	1180	558	242	48	126	25	675
22	610	676	766	776	852	923	547	265	30	492	0	660
23	630	696	726	776	781	736	551	299	30	478	0	650
24	635	691	721	771	797	726	586	272	30	443	0	650
25	716	676	751	751	776	716	588	184	30	383	0	630
26	751	595	751	736	792	716	632	180	30	320	0	721
27	731	665	731	781	797	706	526	171	30	25	0	676
28	751	676	771	797	802	681	530	161	40	2	0	645
29	761	645	817	797	---	660	525	169	40	1	0	655
30	756	645	802	792	---	691	533	159	40	13	0	645
31	756	---	802	847	---	635	---	156	---	12	0	---
S. F.	20365	20075	21839	24934	22966	28182	19749	9706	3471	2453	936	12541
Mean	657	669	704	804	820	909	658	313	116	79	30	418
Max.	761	746	817	862	928	1386	797	552	293	492	125	721
Min.	499	595	585	736	756	635	525	156	30	0	0	0
A. F.	40390	39820	43320	49460	45550	55900	39170	19250	6880	4870	1860	24870

Water returned 371340 A.F.

DAILY DIVERSIONS OF CANALS-1978
 TRI-STATE CANAL FOR FARMERS IRRIGATION DISTRICT
 AND PREFERRED RIGHTS from North Platte River--Measured
 through section of canal--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-23-58 W.
 Nr. Henry. 1.2 miles east on Hiway 29, 2/10 mile
 south, 1/10 mile east, on right road

Date	Apr.	May	June	July	Aug.	Sept.
1	0	218	318	860	992	714
2	0	254	318	884	983	675
3	0	260	310	917	957	588
4	0	260	304	955	914	578
5	0	252	403	1003	925	627
6	0	268	444	1041	904	637
7	0	254	458	1054	907	623
8	0	267	458	1048	854	618
9	0	271	406	1035	807	635
10	0	246	330	1018	847	627
11	0	283	330	1021	858	649
12	0	247	321	1004	831	650
13	0	250	327	1003	861	629
14	0	234	323	1031	923	618
15	0	240	308	1057	885	631
16	0	251	303	1049	887	584
17	0	277	335	1073	875	587
18	0	275	294	1084	880	604
19	0	256	378	1118	869	592
20	0	275	383	1110	864	600
21	0	269	426	1110	851	595
22	0	287	400	1066	871	574
23	0	272	465	1048	835	569
24	0	264	496	1020	819	559
25	0	259	599	1000	785	415
26	0	270	577	1021	790	402
27	141	233	550	1031	795	384
28	210	274	596	982	793	0
29	198	296	687	1001	768	0
30	192	307	792	992	747	0
31	---	310	---	983	742	-
S.F.	741	8179	12639	31619	26619	15964
Mean	25	264	421	1020	859	532
Max.	210	310	792	1118	992	714
Min.	0	218	294	860	742	0
A.F.	1470	16220	25070	62720	52800	31660
Water diverted	189940 A.F.					

DAILY DIVERSIONS OF CANALS--1978

TRI-STATE DIVERSION
 FOR FARMERS IRRIGATION DISTRICT AND PREFERRED RIGHTS
 Summary in Acre-feet--1978

	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:							
North Platte River.....	1470	16220	25070	62720	52800	31660	189940
*Optional Diversions.....	0	0	120	630	1080	620	2450
**Drains.....	0	750	580	0	0	60	1390
Total.....	1470	16970	25770	63350	53880	32340	193780

Water diverted 193780 A.F.

Acres reported D-918-58492; A-660-2913; O.D.'s-351; Total-61756

*Alliance Drain onto Farmers Irrigation District lands

**Diverted by Tri-State in excess of delivery to Northport Irrigation District

DAILY DIVERSIONS OF CANALS--1978
 UNION CANAL from Blue Creek--Measured through
 Parshall flume--NE&SW¼ Sec. 18-16-42 W.
 Nr. Lewellen. 1 mile west on Hiway 26, 6/10 mile
 north, 6/10 mile west, 4/10 mile north through
 farmyard

Date	Oct.	May	June	July	Aug.	Sept.
1	7	0	15	5	14	8
2	7	0	14	16	19	7
3	7	0	13	9	17	7
4	7	0	9	13	17	7
5	7	0	8	17	16	7
6	8	0	11	17	16	8
7	6	0	15	18	16	8
8	5	0	8	18	18	8
9	6	0	2	18	19	8
10	8	0	2	18	20	9
11	9	0	0	17	18	9
12	9	0	0	18	17	9
13	9	0	0	18	17	6
14	9	0	0	17	17	5
15	9	0	0	18	18	10
16	10	0	0	18	17	12
17	10	0	0	18	18	10
18	10	0	9	18	18	10
19	2	6	9	13	17	8
20	0	12	13	0	17	7
21	0	12	11	0	18	7
22	0	12	13	0	18	7
23	0	11	15	0	18	7
24	0	11	15	0	18	7
25	0	12	15	2	17	8
26	0	12	15	5	17	10
27	0	13	15	5	17	10
28	0	10	13	5	17	10
29	0	1	15	14	17	7
30	0	2	14	17	13	7
31	0	11	--	17	11	--
S.F.	145	125	269	369	527	243
Mean	5	4	9	12	17	8
Max.	10	13	15	18	20	12
Min.	0	0	0	0	11	5
A.F.	290	250	530	730	1050	480

Water diverted 3330 A.F.
 Acreage reported D-763-1266

DAILY DIVERSIONS OF CANALS--1978
 WESTERN CANAL from South Platte River
 Measured in section of canal--NE&SE¼ Sec. 14-12-43 W.
 Nr. Julesburg, CO. 100 feet south of Hiway 138 & 385
 Junction, 1.1 mile south on Hiway 385, 3.8 miles east
 on county road, 1.4 mile north on other county to farm-
 yard road, 2/10 mile northwest through farmyard, under
 bridge north of house

Date	Oct.	May	June	July	Aug.	Sept.
1	116	0	116	85	26	6
2	103	0	106	43	21	14
3	132	0	109	54	36	8
4	166	0	109	40	22	4
5	155	32	109	31	20	8
6	132	29	109	41	14	8
7	93	32	106	31	8	7
8	82	74	106	29	14	11
9	68	76	109	31	21	8
10	6	82	122	18	21	4
11	0	93	119	22	21	4
12	0	85	116	22	15	4
13	0	79	116	32	11	5
14	0	82	116	29	15	12
15	0	71	170	27	10	10
16	0	52	125	34	7	7
17	0	50	115	29	8	20
18	0	43	103	27	10	24
19	0	36	90	36	16	20
20	0	34	93	32	20	18
21	0	40	52	24	24	12
22	0	36	196	26	22	15
23	0	36	234	26	16	18
24	0	45	251	22	16	18
25	0	50	129	26	22	18
26	0	52	61	34	21	15
27	0	79	54	40	18	16
28	0	109	59	27	16	10
29	0	103	56	32	4	4
30	0	122	50	21	8	2
31	0	122	--	32	8	--
S.F.	1053	1744	3406	1003	511	330
Mean	34	56	114	32	16	11
Max.	166	122	251	85	36	24
Min.	0	0	50	18	4	2
A.F.	2090	3460	6760	1990	1010	650

Water diverted 15960 A.F.
 Acreage reported A-393-11125; A-1804-800;
 A-4739-498; Total-12423

DAILY DIVERSIONS OF CANALS--1978
 WINTERS CREEK CANAL from North Platte River
 Measured through 8-foot Parshall flume
 SE&NE¼ Sec. 17-22-55 W.
 Nr. Scottsbluff. From Hiway 26 & 70S junction,
 1.4 miles west on Hiway 26, 1.3 miles south,
 3/10 mile west, on right bank

Date	May	June	July	Aug.	Sept.
1	0	0	0	22	26
2	0	9	0	28	23
3	0	11	0	27	21
4	0	3	10	21	22
5	0	0	20	19	21
6	0	0	16	17	17
7	0	0	13	16	15
8	0	0	13	17	14
9	0	0	12	19	20
10	0	0	16	21	24
11	0	0	19	21	21
12	0	0	17	20	21
13	0	0	19	17	21
14	0	0	20	21	21
15	0	0	19	24	21
16	0	0	20	27	21
17	0	0	21	24	22
18	0	0	21	24	23
19	0	0	26	25	22
20	0	0	29	25	22
21	0	0	28	23	22
22	0	0	22	23	23
23	0	4	17	22	24
24	0	0	20	21	24
25	0	0	19	19	25
26	0	0	15	19	29
27	0	0	17	20	32
28	0	12	20	20	28
29	0	13	22	25	16
30	0	0	23	26	16
31	0	--	21	23	--
S.F.	0	52	535	676	657
Mean	0	2	17	22	22
Max.	0	13	29	28	32
Min.	0	0	0	16	14
A.F.	0	100	1060	1340	1300

Water diverted 3800 A.F.
 Acreage reported D-952-5748

DAILY DIVERSIONS OF CANALS--1978
 WINTERS CREEK CANAL from Winter Creek
 Measured through 8-foot Parshall flume
 SW&NE¼ Sec. 19-22-54 W.
 Nr. Scottsbluff. 2/10 mile east from
 Hiway 26 junction, 6/10 mile north on
 right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	7	0	0	32	56	52
2	0	0	0	28	54	40
3	0	0	0	33	56	32
4	0	0	0	28	58	46
5	0	0	0	29	46	42
6	0	0	0	18	44	41
7	0	0	0	23	49	40
8	0	0	0	32	50	40
9	0	0	0	38	51	42
10	0	0	0	44	53	44
11	0	0	0	38	54	44
12	0	0	0	40	54	48
13	0	0	0	38	54	52
14	0	0	0	38	54	45
15	0	0	0	37	42	35
16	0	0	0	40	56	40
17	0	0	1	41	50	49
18	0	0	1	33	47	52
19	0	0	1	0	48	45
20	0	0	1	0	49	8
21	0	0	15	0	48	23
22	0	9	28	0	44	38
23	0	12	28	3	46	38
24	0	20	26	6	46	36
25	0	21	26	28	44	36
26	0	21	24	32	46	38
27	0	32	22	43	46	40
28	0	35	19	46	48	36
29	0	0	13	51	49	11
30	0	0	28	51	55	4
31	0	0	--	50	65	--
S.F.	7	150	233	920	1562	1137
Mean	0	5	8	30	50	38
Max.	7	35	28	51	65	52
Min.	0	0	0	0	42	4
A.F.	10	300	460	1820	3100	2260

Water diverted 7950 A.F.

DAILY DIVERSIONS OF CANALS--1978
 WINTERS CREEK FACTORY LATERAL from Winter Creek
 Measured through 2-foot Parshall flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 19-22-54 W.
 Nr. Scottsbluff, 2/10 mile east from Hwy 26 junction, 6/10
 mile north, on left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	12	0	0	8	8	9
2	5	0	0	13	7	8
3	0	0	0	12	6	8
4	0	0	0	10	6	8
5	0	0	0	11	6	8
6	0	0	0	3	6	8
7	0	0	0	2	7	8
8	0	0	0	3	11	8
9	0	0	0	5	10	8
10	0	0	0	6	11	8
11	0	0	0	5	11	8
12	0	0	0	4	11	8
13	0	0	0	4	11	8
14	0	0	0	5	11	7
15	0	0	0	6	11	7
16	0	0	0	6	11	8
17	0	0	0	5	11	8
18	0	0	0	6	11	8
19	0	0	0	2	11	8
20	0	0	0	4	11	0
21	0	0	0	3	11	0
22	0	0	0	3	11	3
23	0	0	0	2	11	8
24	0	0	0	0	10	8
25	0	0	1	0	10	9
26	0	0	2	0	10	11
27	0	0	2	5	10	11
28	0	0	3	8	12	11
29	0	0	3	10	12	8
30	0	0	4	10	11	7
31	0	0	-	10	10	-
S.F.	17	0	15	171	306	227
Mean	1	0	1	6	10	8
Max.	12	0	4	13	12	11
Min.	0	0	0	0	6	0
A.F.	30	0	30	340	610	450

Water diverted 1460 A.F.

DAILY DIVERSIONS OF CANALS--1978

WINTERS CREEK DIVERSIONS
 Summary in Acre-feet--1978

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:							
North Platte River.....	0	0	100	1060	1340	1300	3800
Winters Creek.....	10	300	460	1820	3100	2260	7950
Total.....	10	300	560	2880	4440	3560	11750

Water diverted 11750 A.F.
 Acreage reported D-952-5748

DAILY DIVERSIONS OF CANALS--1978

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

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

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

COOK CANAL NO. 1 from Niobrara River -- SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-28-56 W.
 Nr. Agate. 1 3/4 miles west, 1/2 mile south on trail road, on south river bank
 Water diverted 0 A.F. -- Acreage reported D-980-248

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

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

ENTERPRISE CANAL PUMP from Niobrara River -- NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-29-50 W.
 Nr. Marsland. 7 miles east, 1/2 mile south, on south river bank
 Water diverted 0 A.F. -- Acreage reported D-461-74; A-5181-76; Total-150

FURMAN CANAL (North & South) from Niobrara River -- SW $\frac{1}{4}$ SW $\frac{1}{4}$ & SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-29-50 W.
 Nr. Marsland. 4 miles east, 1/2 mile south, on north and south river banks.
 Water diverted 0 A.F. -- Acreage reported D-462-105

GEO HITSHEW CANAL from Niobrara River -- SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-28-52 W.
 Nr. Marsland. 6 $\frac{1}{2}$ miles west from Hiway 2 and river road junction, 1 mile southwest
 driveway, 1 $\frac{1}{2}$ mile south and east on trail road, on south river bank
 Water diverted 0 A.F. -- Acreage reported A-1260-181

DAILY DIVERSIONS OF CANALS--1978

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

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

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

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

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 1 A.F. -- Acreage reported D-510R-84

DAILY AND MISCELLANEOUS DISCHARGE MEASUREMENTS
OF RIVERS AND STREAMS NOT PUBLISHED BY THE
U. S. GEOLOGICAL SURVEY 1978

DISCHARGE IN SECOND-FEET OF AKERS DRAW INTO TRI-STATE CANAL
 NW¼ Sec. 12-23-57 W.--Water Year Ending September 30, 1978
 Nr. Morrill. 1 mile east from Hiway 26 & Junction 79B Spur,
 9/10 mile north, no gage

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	13	11	12	10	8	8	9	8	9	12	14
2	13	12	11	12	9	8	8	10	8	8	12	14
3	14	12	11	12	9	8	8	10	8	8	12	14
4	14	12	11	12	9	8	8	10	8	8	12	14
5	14	12	11	12	9	8	8	10	8	8	12	14
6	14	12	11	12	9	8	8	10	8	8	12	13
7	14	12	11	12	9	8	8	11	8	8	12	13
8	14	12	11	12	9	8	8	11	8	8	12	13
9	14	12	11	12	9	8	8	11	8	8	12	13
10	14	12	11	12	9	8	8	11	9	8	12	12
11	14	12	11	12	9	8	8	11	9	8	12	12
12	14	12	11	11	9	8	8	11	10	9	12	12
13	14	12	11	11	9	8	8	10	10	9	12	12
14	13	12	11	11	9	8	8	10	11	9	12	12
15	13	12	11	11	9	8	8	10	12	9	12	12
16	13	12	11	11	9	8	8	10	12	9	12	12
17	13	12	11	11	9	8	8	10	13	9	12	12
18	13	12	11	11	9	8	8	10	13	9	13	12
19	13	12	11	11	9	8	8	9	14	9	13	12
20	13	12	12	11	8	8	8	9	14	9	13	13
21	13	12	12	11	8	8	8	9	13	10	13	13
22	13	11	12	10	8	8	8	9	13	10	13	13
23	13	11	12	10	8	8	8	9	12	10	14	13
24	13	11	12	10	8	8	8	9	12	10	14	13
25	13	11	12	10	8	8	8	9	11	10	14	13
26	13	11	12	10	8	8	8	9	11	11	14	13
27	13	11	12	10	8	8	9	9	11	11	15	13
28	13	11	12	10	8	8	9	9	10	11	15	13
29	13	11	12	10	-	8	9	9	10	11	15	13
30	13	11	12	10	-	8	9	9	9	12	15	12
31	13	--	12	10	-	8	-	9	-	12	15	--
S.F.	414	352	353	342	244	248	244	302	311	288	400	384
Mean	13	12	11	11	9	8	8	10	10	9	13	13
Max.	14	13	12	12	10	8	9	11	14	12	15	14
Min.	13	11	11	10	8	8	8	9	8	8	12	12
A.F.	820	700	700	680	480	490	480	600	620	570	790	760
Total acre-feet 7690 A.F.												

DISCHARGE IN SECOND-FEET OF BUFFALO CREEK
 NEAR ELM CREEK--NE¼NE¼ Sec. 5-8-18 W.
 West edge of city limits from Hiway 30,
 1.4 miles south on Hiway 183
 Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	0	20	5	40	21
2	0	20	0	38	18
3	0	9	0	48	39
4	0	20	0	38	45
5	0	21	0	38	45
6	0	12	0	40	46
7	0	12	0	52	49
8	0	15	0	55	49
9	0	15	0	52	39
10	0	13	0	59	42
11	0	10	0	63	41
12	0	5	0	52	45
13	0	5	0	51	46
14	0	13	0	60	45
15	0	8	0	22	49
16	0	5	0	32	49
17	0	0	0	39	49
18	0	0	0	31	49
19	0	0	0	13	49
20	0	0	27	12	49
21	43	19	15	13	50
22	49	20	8	27	44
23	33	14	7	33	30
24	34	10	44	39	30
25	30	10	51	27	30
26	30	8	65	27	30
27	25	19	60	0	29
28	19	20	63	8	10
29	22	21	64	14	10
30	19	17	60	10	10
31	20	--	40	10	--
S.F.	324	361	509	1043	1137
Mean	10	12	16	34	38
Max.	49	21	65	63	50
Min.	0	0	0	0	10
A.F.	640	720	1010	2070	2260

DISCHARGE IN SECOND-FEET OF CEDAR CREEK NEAR
 BROADWATER--SE¼NE¼ Sec. 11-18-48 W.
 1.1 miles south on Hiway 92 to junction, 3/10
 mile south on county road
 Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	13	13	3	12	2
2	12	16	4	21	2
3	12	15	2	9	2
4	12	15	3	8	2
5	12	13	2	8	2
6	13	13	3	8	3
7	13	13	2	8	3
8	11	13	3	7	2
9	11	13	4	5	3
10	10	12	4	4	4
11	10	11	6	6	5
12	9	12	3	5	5
13	9	11	2	3	3
14	9	12	2	3	2
15	9	9	2	5	2
16	12	9	2	5	2
17	26	9	2	6	2
18	26	9	2	6	3
19	28	10	2	6	3
20	30	17	5	6	4
21	32	12	9	6	5
22	34	14	14	5	4
23	24	8	21	4	3
24	21	7	24	4	3
25	17	5	22	3	4
26	14	8	21	3	5
27	14	6	20	3	4
28	14	7	19	3	4
29	14	3	15	3	6
30	14	3	11	4	6
31	16	-	12	2	-
S.F.	501	318	246	181	100
Mean	16	11	8	6	3
Max.	34	17	24	21	6
Min.	9	3	2	2	2
A.F.	990	630	490	360	200

DISCHARGE IN SECOND-FEET OF CLEVELAND DRAIN
NEAR BAYARD--SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 6-20-52 W.
2.5 miles west on Hiway 92 from junction, at
railroad bridge
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	2	5	12	13	14
2	3	14	12	14	14
3	2	14	11	14	14
4	2	14	11	12	14
5	2	14	19	11	11
6	2	14	20	10	9
7	4	17	13	9	9
8	6	7	13	8	12
9	4	6	14	6	23
10	3	6	14	4	23
11	3	5	14	3	24
12	2	5	14	5	25
13	2	4	12	5	22
14	2	10	8	5	10
15	2	8	6	10	12
16	1	12	4	7	27
17	5	13	2	6	26
18	8	8	3	6	26
19	8	3	5	8	14
20	11	4	6	11	17
21	12	4	12	8	17
22	14	7	14	8	17
23	14	3	12	8	16
24	14	9	11	10	17
25	2	8	12	12	18
26	3	7	11	13	18
27	12	9	8	14	18
28	14	13	5	15	15
29	15	13	5	14	14
30	9	12	8	14	14
31	6	--	12	12	--
S.F.	189	268	323	295	510
Mean	6	9	10	10	17
Max.	15	17	20	15	27
Min.	1	3	2	3	9
A.F.	370	530	640	590	1010

DISCHARGE IN SECOND-FEET OF COLD WATER CREEK
NEAR LISCO--NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 34-18-46 W.
6/10 mile east on Hiway 26, on downstream end
of bridge
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	4	4	1	0	0
2	4	4	1	0	0
3	4	3	1	0	0
4	4	3	1	0	0
5	4	3	1	0	0
6	4	3	1	0	0
7	5	0	1	0	0
8	4	0	1	0	0
9	4	0	1	0	0
10	5	0	1	0	1
11	5	1	1	0	1
12	5	1	3	0	1
13	5	1	3	0	1
14	6	1	2	0	1
15	6	1	0	0	1
16	6	1	0	0	1
17	6	1	0	0	1
18	6	1	0	0	1
19	5	1	0	0	1
20	5	1	15	0	1
21	4	1	0	0	1
22	5	1	0	0	1
23	4	1	0	0	1
24	4	1	0	0	1
25	4	1	0	0	1
26	4	1	0	0	1
27	4	1	0	1	1
28	4	2	0	1	1
29	5	2	0	1	1
30	4	2	0	1	1
31	5	-	0	1	-
S.F.	144	43	34	5	21
Mean	5	1	1	0	1
Max.	6	4	15	1	1
Min.	4	0	0	0	0
A.F.	290	90	70	10	40

DISCHARGE IN SECOND-FEET OF DAWSON COUNTY
DRAIN NO. 2--SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 25-10-23 W.
Nr. Darr. 7/10 mile south on county road,
on right side of road
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	4	4	4	17	9
2	4	3	4	15	8
3	5	3	7	17	6
4	4	3	7	15	8
5	4	3	6	12	7
6	4	4	6	11	8
7	4	3	7	10	8
8	4	3	7	8	8
9	4	3	9	15	7
10	4	2	8	16	7
11	4	3	8	16	7
12	4	2	11	16	7
13	4	2	10	16	7
14	3	4	12	16	8
15	3	4	12	24	7
16	4	4	11	24	8
17	4	3	12	23	8
18	4	3	12	16	8
19	4	3	16	16	7
20	3	3	16	16	7
21	3	3	13	17	7
22	3	3	12	17	7
23	5	3	10	17	7
24	5	3	10	17	6
25	5	3	11	22	6
26	3	3	9	12	6
27	4	3	11	11	6
28	3	4	16	11	6
29	3	4	15	10	6
30	3	4	13	12	6
31	4	-	17	12	-
S.F.	119	95	322	477	213
Mean	4	3	10	15	7
Max.	5	4	17	24	9
Min.	3	2	4	8	6
A.F.	240	190	640	950	420

DISCHARGE IN SECOND-FEET OF DUGOUT CREEK, UPPER
NEAR NORTHPORT--SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 20-20-50 W.
7/10 mile northwest on Hiway 385, Staff 50 feet
above bridge
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	1	34	16	12	43
2	1	30	20	18	41
3	1	24	21	17	40
4	2	20	22	66	50
5	2	24	17	48	45
6	29	20	14	33	30
7	72	20	11	34	30
8	78	19	11	34	28
9	78	18	22	31	28
10	84	17	26	14	28
11	33	16	28	11	25
12	45	8	22	10	23
13	45	8	20	9	23
14	40	16	10	26	23
15	34	21	10	37	27
16	34	18	10	33	31
17	26	23	28	28	35
18	12	30	23	26	35
19	19	36	29	24	37
20	17	19	62	22	37
21	16	34	38	20	41
22	24	47	29	22	40
23	24	23	20	23	40
24	32	17	33	23	40
25	20	10	65	24	35
26	15	10	40	24	30
27	81	45	33	24	30
28	175	18	30	26	29
29	56	16	31	26	36
30	36	12	32	32	36
31	35	--	45	36	--
S.F.	1167	653	818	813	1016
Mean	38	22	26	26	34
Max.	175	47	62	66	50
Min.	1	8	10	9	23
A.F.	2310	1300	1620	1610	2020

DISCHARGE IN SECOND-FEET OF ELM CREEK
NEAR ELM CREEK--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33-9-18 W.
West edge of city limits. From Hiway 30
go 8/10 mile south on Hiway 183
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	0	4	5	3	2
2	0	4	7	3	2
3	0	5	5	5	3
4	0	4	5	9	3
5	0	5	3	9	5
6	0	5	3	4	5
7	0	6	2	8	6
8	0	5	2	6	5
9	0	1	6	5	7
10	0	3	5	3	7
11	0	5	4	4	6
12	0	7	6	4	5
13	0	7	4	4	5
14	0	5	3	3	10
15	0	1	5	17	9
16	0	0	3	15	9
17	0	0	3	9	10
18	0	0	4	8	10
19	0	0	4	14	9
20	0	0	4	14	10
21	0	0	6	10	6
22	0	1	13	9	6
23	0	3	16	10	0
24	0	2	6	3	0
25	0	7	2	1	0
26	0	8	8	1	0
27	0	7	3	6	0
28	0	8	6	5	0
29	4	3	5	6	0
30	5	3	5	4	0
31	5	-	2	5	-
S.F.	14	109	155	207	140
Mean	5	8	16	17	10
Min.	0	0	2	1	0
A.F.	30	220	310	410	280

DISCHARGE IN SECOND-FEET OF FREMONT SLOUGH
AT NORTH PLATTE--NW $\frac{1}{4}$ Sec. 16-13-30 W.
Net flow into Sutherland Power Return
1/2 mile north of State Farm gate on Hiway
83, on right bank
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	33	25	15	14	15
2	31	23	14	17	15
3	30	23	13	19	15
4	29	22	13	19	15
5	30	24	13	18	13
6	29	27	13	17	14
7	29	25	13	18	16
8	33	23	13	17	14
9	31	22	15	17	15
10	29	22	12	17	15
11	28	21	12	17	15
12	27	21	13	16	15
13	26	21	14	17	16
14	25	22	13	15	16
15	25	22	13	15	15
16	25	22	13	15	17
17	24	22	13	13	17
18	25	22	12	13	17
19	23	22	13	14	17
20	23	22	20	14	17
21	23	22	20	14	16
22	22	21	18	15	15
23	23	21	17	13	16
24	24	20	17	13	14
25	24	19	16	13	15
26	22	20	16	13	16
27	26	17	16	13	16
28	33	18	14	14	16
29	29	17	13	15	16
30	26	17	14	15	16
31	25	--	14	15	--
S.F.	832	645	445	475	465
Mean	27	22	14	15	16
Max.	33	27	20	19	17
Min.	22	17	12	13	13
A.F.	1650	1280	880	940	920

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, 1978

Date	May	June	July	Aug.	Sept.
1	4	7	29	49	69
2	4	15	33	67	69
3	4	13	43	70	69
4	4	11	56	39	66
5	4	11	50	36	55
6	5	11	44	34	55
7	5	13	54	34	51
8	12	12	38	44	37
9	16	8	24	44	37
10	17	10	12	41	37
11	15	12	13	24	36
12	7	9	48	23	32
13	17	27	53	22	31
14	17	12	54	14	28
15	18	10	48	26	27
16	18	14	43	44	26
17	17	13	16	54	26
18	7	11	13	43	28
19	6	13	30	44	26
20	9	17	44	44	33
21	13	29	63	52	30
22	21	35	59	45	31
23	8	15	55	39	31
24	7	10	58	36	31
25	13	7	55	36	23
26	7	20	56	39	31
27	10	22	18	42	26
28	14	21	1	48	26
29	16	25	21	46	26
30	8	25	48	58	26
31	7	--	49	64	--
S.F.	330	458	1228	1301	1119
Mean	11	15	40	42	37
Max.	21	35	63	70	69
Min.	4	7	1	14	23
A.F.	650	910	2440	2580	2220

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, 1978

Date	May	June	July	Aug.	Sept.
1	5	11	6	4	10
2	5	12	7	4	9
3	5	11	9	5	9
4	5	11	10	6	8
5	5	10	11	6	8
6	5	9	12	7	7
7	5	9	14	8	7
8	4	8	15	8	6
9	4	8	16	9	6
10	4	7	18	10	5
11	4	6	19	10	5
12	4	6	20	11	4
13	4	5	22	12	4
14	4	5	23	12	3
15	4	5	24	13	3
16	4	4	25	13	3
17	4	4	27	13	3
18	5	4	28	12	3
19	5	4	26	12	3
20	5	4	24	12	3
21	6	3	22	12	3
22	6	3	20	12	3
23	6	3	18	11	3
24	7	3	16	11	3
25	7	3	15	11	3
26	7	2	13	11	4
27	8	2	11	11	4
28	8	2	9	11	4
29	8	3	7	10	4
30	9	5	5	10	4
31	9	-	3	10	-
S.F.	171	172	495	307	144
Mean	6	6	16	10	5
Max.	9	12	28	13	10
Min.	4	2	3	4	3
A.F.	340	340	980	610	290

DISCHARGE IN SECOND-FEET OF LODGEPOLE CREEK
ABOVE BENNETT RESERVOIR--NW $\frac{1}{4}$ Sec. 29-15-55 W.
Nr. Kimball. 9/10 mile north on Hiway 71 to bridge,
250 feet east from southeast wingwall along creek
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	5	4	3	9	4
2	5	3	4	9	4
3	5	3	5	9	4
4	5	3	6	8	4
5	5	3	7	8	4
6	5	3	7	8	3
7	5	3	8	8	3
8	5	3	9	8	3
9	5	3	10	8	3
10	5	3	11	7	3
11	5	3	11	7	3
12	5	2	12	7	2
13	5	2	13	7	2
14	5	2	14	7	2
15	5	2	15	7	2
16	5	2	15	7	2
17	5	2	16	6	2
18	5	2	17	6	2
19	5	2	16	6	2
20	5	2	16	6	2
21	5	2	15	6	2
22	4	2	15	6	2
23	4	1	14	6	2
24	4	1	13	5	2
25	4	1	13	5	2
26	4	1	12	5	2
27	4	1	11	5	2
28	4	1	11	5	2
29	4	2	10	5	2
30	4	3	10	4	2
31	4	-	9	4	-
S.F.	145	67	348	204	76
Mean	5	2	11	7	3
Max.	5	4	17	9	4
Min.	4	1	3	4	2
A.F.	290	130	690	400	150

DISCHARGE IN SECOND-FEET OF LODGEPOLE CREEK
BELOW BENNETT RESERVOIR--SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 22-15-55 W.
Nr. Kimball. 1.1 mile east on Hiway 30, onto 53D
link, 2 miles east north on county road, 9/10
mile to pasture road, 9/10 mile west along curving
road, 250 feet north from west wingwall along creek
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	1	2	1	1	1
2	1	2	1	1	1
3	1	2	1	1	1
4	1	2	1	1	1
5	1	2	1	1	1
6	1	2	1	1	1
7	1	2	1	1	1
8	1	2	1	0	0
9	1	2	1	0	0
10	1	2	1	0	0
11	1	2	1	0	0
12	1	2	1	0	0
13	1	2	1	0	0
14	1	2	1	0	0
15	1	2	1	0	0
16	1	2	1	0	0
17	1	2	1	0	0
18	1	2	1	0	0
19	1	2	1	0	0
20	1	2	1	0	0
21	1	1	1	0	0
22	1	1	1	0	0
23	1	1	1	1	0
24	1	1	1	1	0
25	2	1	1	1	0
26	2	1	1	1	0
27	2	1	1	1	0
28	2	1	1	1	0
29	2	1	1	1	0
30	2	1	1	1	0
31	2	-	1	1	-
S.F.	38	50	31	16	7
Mean	1	2	1	1	0
Max.	2	2	1	1	1
Min.	1	1	1	0	0
A.F.	80	100	60	30	10

DISCHARGE IN SECOND-FEET 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, 1978

Date	May	June	July	Aug.	Sept.
1	2	1	2	15	11
2	1	1	3	24	11
3	1	1	4	18	15
4	1	2	3	20	19
5	2	2	1	16	14
6	2	2	4	17	8
7	2	2	8	18	9
8	2	2	0	11	10
9	2	2	2	8	12
10	1	2	6	8	12
11	2	2	8	7	13
12	1	2	8	6	16
13	2	2	7	5	13
14	2	2	9	4	12
15	2	2	4	7	14
16	2	2	3	7	13
17	2	2	3	3	30
18	3	2	4	9	53
19	2	2	20	9	52
20	2	2	15	10	15
21	2	2	15	10	15
22	2	2	28	7	16
23	2	2	22	6	16
24	3	5	15	6	15
25	2	4	13	8	14
26	1	4	9	9	12
27	4	1	10	10	14
28	3	4	11	12	15
29	3	4	10	12	11
30	1	1	11	55	10
31	1	-	11	17	--
S.F.	60	66	269	374	490
Mean	2	2	9	12	16
Max.	4	5	28	55	53
Min.	1	1	0	3	8
A.F.	120	130	530	740	970

DISCHARGE IN SECOND-FEET OF NORTH PLATTE RIVER
PASSING TRI-STATE DAM--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 10-23-58 W.
Nr. Henry. 1.2 miles east on Hiway 29, 1/10 mile
south, on left bank

Date	May	June	July	Aug.	Sept.
1	28	1500	10	80	108
2	28	1230	40	130	74
3	27	850	103	170	108
4	27	590	129	200	105
5	28	279	82	135	62
6	25	244	105	75	37
7	50	244	174	59	36
8	46	213	226	34	36
9	46	249	138	34	34
10	49	213	200	34	34
11	50	181	188	34	41
12	62	160	163	36	36
13	91	132	65	37	34
14	336	93	105	78	33
15	307	42	108	105	32
16	275	33	126	73	32
17	225	33	150	80	31
18	215	32	75	59	49
19	725	31	225	43	41
20	1040	31	275	43	47
21	1400	110	425	57	46
22	1350	75	390	60	32
23	1530	140	140	67	32
24	1670	140	103	42	32
25	1750	40	71	40	31
26	1800	15	57	38	31
27	1850	10	54	38	29
28	1900	10	59	56	350
29	1760	10	64	74	480
30	1830	50	78	80	450
31	1810	--	76	153	---
S.F.	22330	6980	4204	2244	2523
Mean	720	233	136	72	84
Max.	1900	1500	425	200	480
Min.	25	10	10	34	29
A.F.	44290	13840	8340	4450	5000
Total 5 months	75920	A.F.			

DISCHARGE IN SECOND-FEET AT THE CONFLUENCE OF NORTH AND
SOUTH PLATTE RIVER NEAR NORTH PLATTE
Water Year Ending September 30, 1978

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1100	502	512	430	440	554	583	484	478	1820	1610	432
2	1060	521	511	460	450	560	631	472	476	1960	1640	494
3	910	500	536	490	445	569	611	429	471	2030	1650	513
4	857	503	534	505	465	570	560	419	449	2050	1550	514
5	837	514	515	510	460	580	520	421	459	2060	1260	485
6	841	521	470	500	470	589	528	428	451	2060	1160	473
7	919	517	430	460	440	582	527	532	447	2140	1090	447
8	988	539	420	450	440	575	515	505	439	2170	1010	431
9	978	546	390	440	440	595	515	460	418	2200	972	454
10	926	542	400	420	450	646	509	448	410	2200	931	483
11	942	555	440	420	464	692	485	414	400	2260	840	513
12	956	524	486	454	464	714	488	407	362	2220	763	531
13	933	510	504	501	464	722	473	387	374	2190	707	554
14	918	496	490	508	474	724	484	381	370	2170	672	563
15	918	496	490	500	474	716	491	393	351	2040	662	529
16	905	499	500	480	474	720	510	386	350	2040	690	480
17	805	474	510	430	474	669	533	378	359	2040	563	476
18	720	495	510	410	484	716	523	406	454	2030	449	511
19	635	505	530	400	485	683	506	409	590	1980	432	481
20	569	489	491	400	490	651	492	391	631	2600	573	490
21	560	437	490	420	490	638	486	374	808	3040	741	495
22	553	461	516	430	505	638	486	404	1060	2420	904	490
23	542	486	525	435	505	620	462	434	1150	2010	962	465
24	515	516	546	445	505	616	456	410	1240	1880	989	477
25	510	535	528	445	520	618	445	383	1330	1760	1080	455
26	512	550	510	445	520	616	445	374	1350	1520	1180	440
27	498	582	500	445	530	603	434	419	1330	1440	960	411
28	487	536	495	435	550	618	456	493	1540	1470	920	427
29	496	533	475	430	---	598	484	549	1760	1460	859	427
30	503	537	460	430	---	580	472	517	1740	1490	572	443
31	501	---	430	440	---	573	---	492	---	1510	437	---
S.F.	23394	15421	15144	13968	13372	19545	15110	13399	22047	62260	28828	14384
Mean	755	514	489	451	478	630	504	432	735	2008	930	479
Max.	1100	582	546	510	550	724	631	549	1760	3040	1650	563
Min.	487	437	390	400	440	554	434	374	350	1440	432	411
A.F.	46400	30590	30040	27710	26520	38770	29970	26580	43730	12350	57180	28530
Total	acre-feet 398370 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, 1978

Date	May	June	July	Aug.	Sept.
1	79	79	1500	1140	204
2	79	73	1620	1070	208
3	79	69	1540	1060	204
4	75	81	1650	790	200
5	73	93	1800	410	200
6	77	95	1880	350	192
7	77	115	1900	370	171
8	89	98	1810	380	165
9	83	87	1710	390	165
10	79	93	1690	440	168
11	73	85	1740	285	165
12	67	77	1680	285	168
13	63	77	1710	419	162
14	61	81	1650	512	159
15	63	91	1610	419	118
16	65	112	1630	322	71
17	65	91	1610	328	69
18	71	85	1580	334	77
19	73	105	1620	400	73
20	71	110	2100	630	91
21	73	91	2350	500	87
22	79	91	1660	620	79
23	95	208	1210	660	77
24	95	310	1110	720	69
25	87	391	890	740	71
26	79	490	730	690	71
27	93	600	700	460	89
28	93	810	800	440	100
29	95	1140	770	334	112
30	93	1280	950	220	112
31	85	---	1100	196	---
S.F.	2429	7208	45300	15914	3897
Mean	78	240	1461	513	130
Max.	95	1280	2350	1140	208
Min.	61	69	700	196	69
A.F.	4820	14300	89850	31560	7730
Total	(5 month) 148260 A.F.				

DISCHARGE IN SECOND-FEET OF SILVERNAIL DRAIN
NEAR BRIDGEPORT--NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-19-49 W.
1 mile north, 5 miles east on Hiway 26, on
downstream end of bridge
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	5	14	9	11	19
2	5	13	13	28	24
3	5	8	20	28	31
4	5	4	6	39	47
5	5	8	6	38	32
6	5	17	13	38	24
7	6	9	24	47	15
8	5	17	24	9	18
9	5	4	24	7	15
10	5	6	24	5	12
11	7	8	28	27	18
12	3	7	4	32	22
13	1	17	3	37	32
14	6	16	3	33	30
15	41	15	7	48	28
16	32	15	13	37	31
17	8	14	17	18	34
18	5	14	12	8	33
19	50	16	37	15	37
20	37	16	75	23	37
21	23	29	16	25	44
22	29	27	23	17	44
23	16	6	31	17	43
24	22	5	43	13	42
25	32	5	35	20	29
26	27	12	22	18	20
27	20	14	20	15	17
28	18	34	16	20	10
29	17	18	12	15	51
30	14	5	9	24	51
31	14	-	9	31	--
S.F.	473	393	598	743	890
Mean	15	13	19	24	30
Max.	50	34	75	48	51
Min.	1	4	3	5	10
A.F.	940	780	1190	1470	1770

DISCHARGE IN SECOND-FEET OF STREVER (SPRING) CREEK
NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-8-20 W.
Nr. Overton. 2.8 miles south on oil road
connecting Hiway 30 and I-80
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	14	12	10	39	31
2	6	13	10	38	22
3	12	14	4	63	19
4	12	14	4	72	18
5	11	13	3	58	23
6	12	16	3	53	25
7	18	16	3	54	24
8	18	19	3	54	24
9	12	24	3	49	28
10	12	24	10	46	28
11	12	22	13	43	27
12	12	20	18	46	42
13	12	15	10	45	48
14	12	16	14	45	46
15	12	10	16	46	41
16	12	0	5	52	41
17	12	17	11	53	41
18	12	13	12	36	41
19	28	13	11	39	42
20	17	5	22	16	43
21	17	14	30	16	34
22	19	11	61	48	34
23	21	14	78	44	35
24	12	14	77	36	36
25	13	14	68	29	36
26	17	17	60	31	35
27	18	18	42	38	36
28	18	18	42	41	34
29	16	11	39	41	34
30	16	11	38	36	34
31	16	--	40	36	--
S.F.	451	438	760	1343	1002
Mean	15	15	25	43	33
Max.	28	24	78	72	48
Min.	6	0	3	16	18
A.F.	890	870	1570	2660	1990

DISCHARGE IN SECOND-FEET OF WHITE HORSE CREEK
NEAR NORTH PLATTE--SW $\frac{1}{4}$ Sec. 5-13-29W.
3.4 miles east on Hiway 30, on upstream side
of bridge
Water Year Ending September 30, 1978

Date	May	June	July	Aug.	Sept.
1	26	26	7	7	5
2	27	22	7	9	5
3	22	26	8	11	4
4	22	26	8	12	4
5	19	26	7	13	3
6	19	41	9	15	1
7	28	32	9	19	1
8	39	22	8	16	1
9	27	17	9	11	1
10	22	19	9	10	1
11	19	14	11	19	2
12	16	9	9	8	2
13	15	9	11	8	2
14	14	9	15	4	2
15	14	8	23	8	2
16	11	7	25	6	4
17	10	7	15	5	4
18	14	7	12	5	3
19	14	6	15	6	3
20	12	6	15	5	2
21	9	3	12	4	4
22	7	6	12	4	4
23	44	7	21	3	4
24	33	7	12	3	4
25	23	7	7	3	4
26	16	7	4	4	4
27	17	7	2	4	5
28	29	8	1	5	4
29	43	7	1	5	5
30	36	7	1	6	5
31	26	-	2	5	-
S.F.	673	405	307	243	95
Mean	22	14	10	8	3
Max.	44	41	25	19	5
Min.	7	3	1	3	1
A.F.	1330	800	610	480	190

MEASUREMENT OF STREAMS
Year Ending September 30, 1978

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
ADVENT CREEK NEAR GUIDE ROCK Sec. 18-1-9-W.							
6- 9	0.1						
AIRPORT DRAIN Sec. 7-13-29 W.							
12-15	19.9	4-27	18.1	5-24	20.0	6-12	17.3
3-29	19.1						
ALLIANCE DRAIN Sec. 20-22-53 W.							
11-30	8.3	4-24	4.2	6-22	3.5	8-17	5.5
1- 6	6.0	5-10	4.3	6-30	1.7	8-31	6.1
2- 7	5.0	5-25	5.2	7-13	2.2	9-14	7.2
3- 8	5.4	6- 8	3.9	8- 3	7.7		
ALLIANCE DRAIN NEAR MINATARE Sec. 18-22-53 W.							
11- 1	10.3	9-13	24.3				
AL HOPKINS CREEK NEAR TILDEN NWSW Sec. 7-24-4 W.							
8-22	0.1						
AMES CREEK NEAR WYNOT NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 25-32-3 E.							
9- 7	0.0						
ANTELOPE CREEK NEAR NELIGH SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23-25-7 W.							
5-10	0.3	7-18	0.0	8-22	0.02		
ANTELOPE CREEK NEAR MENOMINEANA SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 24-33-1 W.							
5-11	3.2	7-26	2.9				
AOWA CREEK NEAR PONCA SENE Sec. 22-30-6 E.							
7-13	10.1						
ASH CREEK NEAR MARIAVILLE Sec. 5-32-17 W.							
10-31	11.6	6-19	7.3				

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
ASH CREEK NEAR GUIDE ROCK SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 15-1-9 W.							
6-14	0.8						
ASH HOLLOW CREEK NEAR OSHKOSH Sec. 3-15-42 W.							
3- 8	6.4	3- 8	8.3	3- 8	9.0	3- 8	9.4
ASH HOLLOW CREEK NEAR CERESCO SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 4-12-7 E.							
7- 5	0.0						
ASH HOLLOW CREEK, TRIB TO NEAR CERESCO NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 5-12-7 E.							
7- 5	0.0						
AYERS CREEK NEAR GUIDE ROCK SWSW Sec. 18-1-8 W.							
6-12	0.0						
BADGER BRANCH NEAR TECUMSEH SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 30-5-11 E.							
6- 6	0.4						
BAKER CREEK NEAR LAUREL SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 13-28-3 E.							
8- 1	0.6						
BALD DRAIN Sec. 32-23-56 W.							
10- 5	1.9	4-28	1.2	6-13	29.8	8- 8	24.6
12- 2	1.2	5- 2	1.2	6-27	26.0	8-22	8.3
1- 6	1.3	5-16	.7	7-11	18.8	9- 5	17.2
2- 7	1.2	5-30	21.3	7-25	40.8	9-19	31.7
3- 2	.8	6- 9	28.3				
BALLS BRANCH NEAR PAWNEE CITY NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 30-2-11 E.							
6- 9	2.7						
BARNARD CREEK NEAR RIVERVIEW NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 21-32-20 W.							
10- 4	1.1	6-21	16.5				

MEASUREMENT OF STREAMS--Continued
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MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		BATTLE CREEK SW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 31-24-2 W.						BEAVER CREEK NEAR SPENCER NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 1-33-12 W.			
5-10	16.5					6-21	1.6				
		BATTLE CREEK NEAR BATTLE CREEK SWNW Sec. 36-24-2 W.						BEAVER CREEK NEAR STUART SW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 18-32-15 W.			
6-28	11.4					10-12	4.5	6-21	1.8		
		BATTLE CREEK NEAR BATTLE CREEK SWNW Sec. 31-24-2 W.						BEAVER CREEK NEAR STUART NW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 30-33-15 W.			
7-18	8.3	8- 7	8.0			6-21	5.7				
		BAZILE CREEK NEAR BAZILE MILLS SW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 4-29-5 W.						BEAVER CREEK NEAR ATEW SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 21-33-1 W.			
5-25	19.1	8- 3	7.1			5-11	7.4	7-26	5.7		
		BEATTY CREEK NEAR TECUMSEH NW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 22-5-10 E.						BEAVER CREEK NEAR GUIDE ROCK Sec. 17-1-8 W.			
6- 6	0.2					6- 9	3.3	6-15	1.4		
		BEAVER CREEK NEAR BARTLETT SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 12-22-11 W.						BEEMAN CREEK NEAR RIVERVIEW SW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 23-32-20 W.			
8- 8	0.1					10- 4	0.2	5-22	1.2		
		BEAVER CREEK NEAR BARTLETT SW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 35-23-9 W.						BELL CREEK NEAR FONTANELLE Sec. 36-19-9 E.			
8- 8	5.2					7-19	3.4	8-15	31.1		
		BEAVER CREEK AT WEST END OF RANCH SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 9-22-8 W.						BELL CREEK NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 6-17-10 E.			
8- 8	12.3					5-24	22.3				
		BEAVER CREEK AT RANCH CROSSING SW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 15-22-8 W.						BELMAR CREEK NEAR NELIGH NWSW Sec. 21-25-6 W.			
8- 8	17.8					8-22	0.1				
		BEAVER CREEK AT EAST END OF RANCH NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 24-22-8 W.						BEREA CREEK NEAR ALLIANCE Sec. 13-25-48 W.			
8- 8	22.0					3- 9	96.6	3- 9	99.2		
								BETSY (CARVER) CREEK BELOW A-12365 Sec. 8-29-36 W.			
						5- 2	12.0				

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		BETSY (CARVER) CREEK BELOW KIME POND Sec. 24-29-35 W.					
5- 2	14.2						
		BETSY (CARVER) CREEK OUTLET TO ROUND LAKE Sec. 7-28-36 W.					
5- 2	3.6						
		BETSY (CARVER) CREEK THE BY-PASS CANAL Sec. 7-28-36 W.					
5- 2	3.5						
		BETSY (CARVER) CREEK INLET TO ROUND LAKE Sec. 7-28-36 W.					
5- 2	2.9						
		BIG SLOUGH CREEK NEAR UNION NE½NW¼ Sec. 33-10-13 E.					
8-10	5.5						
		BIRDWOOD CREEK NEAR SUTHERLAND Sec. 2-15-33 W.					
11- 4	123.	9-19	123.				
		BIRDWOOD CREEK, WEST NORTH OF SARBEN Sec. 3-16-35 W.					
5- 4	17.6	6-22	20.3	7-26	18.6	9- 6	19.9
6- 7	19.2	7-10	19.1	8-16	18.9	9-22	20.1
		BLAKLEY-OAK CREEK NEAR SUPERIOR SWSW Sec. 30-1-6 W.					
6-12	0.01						
		BIG BLUE RIVER BELOW HERPOLSHEIMER RESERVOIR SW¼SW¼ Sec. 23-12-2 E.					
7-11	28.9						
		BIG BLUE RIVER ABOVE HERPLSHEIMER RESERVOIR SESW Sec. 10-12-2 E.					
5-22	23.3	7-11	25.5				
		BONE CREEK SW¼SW¼ Sec. 34-31-21 W.					
10-26	18.8	6- 7	22.2				

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		BOW CREEK NEAR WYNOT SE½SW¼ Sec. 24-32-2 E.					
7-26	49.4	9-26	17.4				
		BOW CREEK, EAST SWNE Sec. 12-31-2 E.					
5-11	10.6						
		BOW CREEK, SECOND SESE Sec. 9-32-2 E.					
5-11	3.2						
		BOW CREEK, WEST, NEAR CROFTON SE½SE¼ Sec. 1-31-2 W.					
7-17	0.4						
		BOW CREEK, WEST, NEAR WYNOT NENE Sec. 16-32-2 E.					
5-11	14.6						
		BOW CREEK, WEST, NEAR FORDYCE NE½NW¼ Sec. 3-31-1 W.					
6-26	3.6	7-26	5.2				
		BOW CREEK, TRIB TO, NEAR WYNOT NW¼NW¼ Sec. 24-32-2 E.					
9- 7	0.1						
		BOX BUTTE CREEK NEAR DUNLAP Sec. 29-29-45 W.					
11- 7	0.8	9-18	0.8				
		BRANCHED OAK CREEK NEAR RAYMOND NW¼SE¼ Sec. 2-12-5 E.					
7-17	10.3						
		BRANCHED OAK CREEK NEAR AGNEW NW¼SE¼ Sec. 34-12-5 E.					
6-21	7.2						
		BRANCHED OAK CREEK NEAR SEWARD SW¼NW¼ Sec. 18-12-5 E.					
6-21	1.1						

MEASUREMENT OF STREAMS--Continued
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MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.				
BRANCHED OAK CREEK NEAR GARLAND SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 25-12-4 E.						BURTON CREEK NEAR BURTON NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 8-34-19 W.									
6-21	0.2					10-20	3.8	1-20	2.7	6-27	5.2	8-30	2.4		
BREWSTERS BRANCH NEAR TECUMSEH SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 28-5-10 E.								11-23	4.0	2-24	3.8	7-21	3.6	9-21	1.6
6- 6	0.3					12-21	5.0	5-22	4.9						
BROWN CANYON DRAIN NEAR MITCHELL Sec. 5-22-56 W.						BUTTERFLY CREEK NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 17-22-2 E.									
11- 1	1.4	9- 7	13.3			5- 9	2.5	6-29	0.7	7-28	0.1				
BROWNELL CREEK NEAR SYRACUSE SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 26-8-11 E.						CACHE CREEK NEAR EWING SW $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 13-26-9 W.									
7-10	2.7					4-13	33.7	7-18	4.7	8- 7	3.2				
BUFFALO CREEK NEAR ELM CREEK Sec. 5-8-18 W.						CALUMET CREEK NEAR FRANKLIN SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 5-1-14 W.									
10-11	0.0	1-25	0.0	3-30	0.4	4- 6	0.0	6- 2	0.02						
12- 7	0.0	2-23	0.0							CARSON BRANCH NEAR TECUMSEH NWNW Sec. 3-4-11 E.					
BUFFALO CREEK NEAR DARR Sec. 28-11-22 W.						CEDAR CREEK Sec. 11-18-48 W.									
11- 7	0.0	9-28	0.0			6- 7	1.0	10- 3	7.7	11-22	9.6	2- 3	11.7	3-16	11.4
BUFFALO CREEK NEAR OVERTON Sec. 20-9-19 W.								10-11	8.8	12-27	8.0	2-17	13.5	3-30	11.0
11- 7	0.0	9-28	15.3			10-25	8.0	1-11	11.0	2-27	10.6	4-25	10.3		
BUFFALO CREEK NEAR MEADOW GROVE NENE Sec. 26-24-4 W.						CEDAR CREEK NEAR STANTON SWSE Sec. 13-23-2 E.									
5-10	3.5	7-18	0.3	8- 7	1.5	8-23	0.0	CEDAR CREEK NEAR WEEPING WATER Sec. 5-10-12 E.							
BUFFALO CREEK NEAR INAVALE SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 2-1-12 W.						CEDAR CREEK NEAR OAKDALE SENE Sec. 11-24-6 W.									
6- 7	0.0					8-10	6.2	5-10	18.2	7-18	6.9	8- 7	4.3		
BULL DRAIN NEAR MAXWELL Sec. 20-13-28 W.						CEDAR BRANCH CREEK NEAR NEVINS Sec. 17-14-35 W.									
12-15	3.5	3-29	4.8	6-12	3.2	8-11	2.7	11-14	2.6	3-28	3.0	6-16	2.3	8-14	2.3
1-31	3.8	4-27	3.6	7-25	3.4	9-14	3.2	1-30	2.3	4-20	1.5	6-30	2.2	9- 8	2.6
2-28	4.2	5-24	3.6					2-27	2.4	5-26	2.3	7-31	2.5		

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
CHADRON CREEK NEAR CHADRON Sec. 31-32-48 W.							
3-10	0.4						
CHADRON CREEK Sec. 36-32-46 W.							
11-23	1.0	3-10	1.7	7- 3	0.6		
CHADRON CREEK AT CHADRON STATE PARK Sec. 36-32-49 W.							
9-21	0.3						
CHIMNEY CREEK NEAR MEADVILLE SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-32-22 W.							
10- 3	1.3	5- 3	1.8				
CLARK CREEK NEAR TALBASTA NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 19-19-9 E.							
8-31	0.1						
CLAY CREEK NEAR MARIAVILLE SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22-33-16 W.							
10-19	0.6	6-21	0.4				
CLEAR CREEK Sec. 5-15-41 W.							
10-31	9.6	1-30	9.5	4-28	10.1	7-28	3.4
11-28	9.8	3- 3	16.0	5-26	9.1	9- 1	5.6
12-30	9.5	3-31	9.9	6-30	4.9		
CLEAR CREEK NEAR TABLE ROCK NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 32-3-12 E.							
6- 8	2.7						
CLEVELAND DRAIN Sec. 6-20-52 W.							
10- 7	11.2	1- 6	2.0	3- 9	6.0	4-25	1.4
11-29	1.9	2- 7	.6				
COFFEE CREEK NEAR WEST POINT SWSE Sec. 28-21-6 E.							
8-24	0.04						

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
COLD WATER CREEK BELOW LISCO CANAL Sec. 34-18-46 W.							
10-11	0.0	11-22	4.7	2- 3	4.0	3-16	4.2
11-10	.0	12-27	3.1	3- 1	3.7	4-25	3.8
COLEMAN CREEK NEAR NORDEN SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 16-33-24 W.							
10- 3	0.7	5- 3	1.0				
CONTRARY CREEK NEAR SALEM NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15-1-15 E.							
6-14	0.3						
COON CREEK NEAR CARNS SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24-32-19 W.							
10-31	4.7	6-19	4.7				
COON CREEK NEAR HIWAY BRIDGE NO. 12 NW $\frac{1}{4}$ Sec. 17-34-17 W.							
10-20	2.2	1-20	1.1	5-22	2.4	8-30	0.8
11-23	2.0	2-24	1.8	6-27	2.2	9-27	1.1
12-21	1.6	4-13	4.8	7-27	.5		
COON CREEK NEAR COOK NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-6-11 E.							
7-11	0.6						
COTTONWOOD CREEK NEAR DUNLAP Sec. 16-29-48 W.							
11-23	0.3	3-14	1.2	9-21	0.02		
COTTONWOOD CREEK NEAR PRAGUE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-15-5 E.							
7-13	1.9						
COTTONWOOD CREEK NEAR MALMO NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22-15-6 E.							
7-13	3.9						
COTTONWOOD CREEK NEAR BLOOMINGTON SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-1-16 W.							
6- 2	4.0	6-15	3.4				

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MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
COTTONWOOD CREEK NEAR SUPERIOR NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-1-8 W.						DEEP CREEK NEAR GLEN Sec. 32-31-53 W.							
6-12	0.1					12-15	0.5	3-22	0.8	5-31	0.5	7- 5	0.2
COTTONWOOD CREEK, LITTLE, NEAR BLOOMINGTON SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-1-15 W.						DEER CREEK NEAR MASKAL NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34-32-4 E.							
6- 2	1.8	6-15	1.6			9- 7	0.05	DEER CREEK NEAR MEADOW GROVE NENE Sec. 30-24-3 W.					
COW CREEK, TRIB TO TURKEY CREEK NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-14-11 W.						DEER CREEK NEAR STERLING NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 8-5-10 E.							
5- 5	1.4					5-10	3.8	6-28	2.3	7-18	1.7	8- 7	0.9
CROOKED CREEK NEAR RED CLOUD Sec. 1-1-11 W.						DEER CREEK NEAR WAYNE SWSW Sec. 10-26-3 E.							
6- 9	1.0					6- 6	0.3	DeGRAW DRAIN Sec. 24-20-51 W.					
CROOKED ANGER CREEK NEAR GUIDE ROCK SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 20-1-8 W.						10- 3 3.7 1- 5 2.2 5-15 1.9 7-24 10.3							
6-12	0.01					8- 1	0.8	10-17 2.0 2-10 2.4 5-24 2.5 8- 7 12.2					
CROSBY CREEK NEAR HARDY Sec. 34-1-6 W.						11- 2 4.1 2-27 3.1 6- 2 4.1 8-22 7.7							
6-12	0.02							11-14 6.4 3-16 10.6 6-12 8.5 9- 8 10.1					
CROW CREEK NEAR NAPONEE NWNW Sec. 18-1-16 W.						12- 1 4.8 3-30 4.2 6-22 15.0 9-29 9.2							
6- 1	0.2	6- 6	0.2					12-14 5.3 5- 1 3.4 7-10 6.8					
CUB CREEK NEAR MEADVILLE SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-32-22 W.						DOG CREEK NEAR WAYNE SESE Sec. 26-27-3 E.							
10- 4	1.7	6- 6	2.2			8- 1	1.8	DRY BRANCH NEAR STELLA SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23-3-14 E.					
CUMING CREEK NEAR SCRIBNER SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-20-7 E.						DRY CREEK Sec. 8-29-14 W.							
6-20	8.2	7-13	0.8	8- 4	0.3	6-13	0.4	DRY CREEK NEAR O'NEILL NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 25-18-11 W.					
DAWSON COUNTY DRAIN NO. 2 NEAR DARR Sec. 25-10-23 W.						10-12 0.5 6-28 0.3							
10- 6	4.0	11- 3	3.2	12-16	2.8	3-30	3.5	4-13 68.0					

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		DRY CREEK NEAR SCHUYLER NWSW Sec. 2-18-3 E.					
9- 5	0.04						
		DRY CREEK NEAR INAVALE NWNE Sec. 9-1-12 W.					
6- 7	0.0						
		DRY CREEK NEAR RED CLOUD Sec. 5-1-10 W.					
6- 9	0.2						
		DRY CREEK SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 10-26-2 W.					
6-19	9.2	7-17	4.9				
		DRY CREEK, TRIB TO, NEAR SCHUYLER SWSW Sec. 2-18-3 E.					
9- 5	0.0						
		DRY FORK CREEK SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 10-26-2 W.					
5-22	11.0	8-14	3.0				
		DRY CREEK, NORTH, NEAR KEARNEY Sec. 5-7-16 W.					
11- 8	7.9	9-29	2.6				
		DRY CREEK, NORTH, SOUTH OF KEARNEY Sec. 22-8-16 W.					
11- 8	8.1	9-29	1.5				
		DUGOUT CREEK, UPPER Sec. 20-20-50 W.					
10- 3	14.1	11-14	9.8	1- 5	5.5	3-16	4.4
10-17	12.0	12- 1	7.6	2- 3	5.2	3-30	3.4
11- 2	10.0	12-14	7.7	2-27	4.5		
		DUTCH FLATS DRAIN NEAR MITCHELL Sec. 9-23-56 W.					
11- 1	8.8	9- 7	45.4				
		EAGLE CREEK NEAR REDBIRD SE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 11-32-11 W.					
10-18	32.1	6- 8	41.2				

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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		EAGLE CREEK NEAR MEAK SE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 11-32-11 W.					
4-13	54.8						
		EASILY CREEK NEAR SALEM NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 17-1-14 E.					
6-12	5.2						
		ELK CREEK NEAR ELK CREEK SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 36-4-12 E.					
6- 7	3.0						
		ELK CREEK NEAR JACKSON SENE Sec. 36-29-7 E.					
9- 7	3.1						
		ELKHORN RIVER NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 31-30-14 W.					
10-18	7.4	9-28	23.8				
		ELKHORN RIVER NE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 23-29-13 W.					
10-12	20.1	6-28	35.8				
		ELKHORN RIVER, TRIB TO, NEAR NORFOLK SWSE Sec. 5-23-1 W.					
8-21	0.4						
		ELKHORN RIVER, TRIB TO, NEAR BATTLE CREEK MNW Sec. 34-24-2 W.					
8-21	0.5						
		ELKHORN RIVER, TRIB, NEAR WEST POINT NENW Sec. 28-21-6 E.					
8-24	0.0						
		ELKHORN RIVER, TRIB, NEAR WEST POINT NENE Sec. 8-21-6 E.					
8-24	0.0						
		ELKHORN RIVER, TRIB, NEAR WEST POINT NESE Sec. 8-21-6 E.					
8-24	0.2						

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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.		
GILES CREEK NEAR TILDEN SESE Sec. 13-24-5 W.						HAPPY HOLLOW CREEK NEAR NEMAHA NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2-4-15 E.									
6-28	1.1	7-18	0.2	8- 7	0.1	8- 9	1.4								
GILES CREEK NEAR OAKDALE SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 13-24-5 W.						HAT CREEK NEAR ARDMORE, SOUTH DAKOTA Sec. 21-35-54 W.									
5-10	1.9					10- 7	0.0	11-15	7.3	6-21	0.0	8-29	3.0		
GIMLET CREEK NEAR SUPERIOR NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 21-1-8 W.						10-12	3.1	1-13	.0	6-28	.02	9- 8	.0		
6-12	0.0					10-17	.6	2- 6	.5	7-10	.0	9-20	.0		
GOOLSBY CREEK NEAR FALLS CITY NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 28-2-16 E.						10-25	.5	4-25	.6	8- 9	.05				
6-13	7.4					10-17	1.8	HAT CREEK BELOW COFFEE FLOOD CANAL Sec. 12-33-55 W.							
GRAVEL CREEK Sec. 9-14-36 W.						1- 5	.2	4-25	0.01	8-23	0.0	9-20	1.0		
10- 3	2.5	1-30	2.6	4-20	2.5	6-28	3.2	6-21	1.4	9-15	.4				
11-15	3.0	2-27	3.0	5-26	3.0	7-31	3.1	HAT CREEK BELOW COFFEE CANAL Sec. 26-33-55 W.							
12-12	2.8	3-27	2.9	6-15	2.7	9-11	2.6	6-21	1.8	8-23	0.5	9-15	0.6		
GREENWOOD CREEK Sec. 26-19-50 W.						10-12	5.6	HAT CREEK AT WASSERBURGER PUMP Sec. 24-34-55 W.							
3- 9	7.8	9-13	0.0					4-25	.0	6-21	0.0	9-20	0.0		
HACKBERRY CREEK NEAR REDINGTON Sec. 22-18-53 W.						10-17	3.1	9-15	.0	HAT CREEK NEAR MONT ROSE Sec. 13-34-55 W.					
7- 6	9.2					1-13	.5	4-25	0.0	8- 9	0.0	9-20	0.0		
HACKBERRY CREEK NEAR CLEARWATER NESW Sec. 32-26-7 W.						6-21	.0	6-21	.0	9-15	.0	9-27	.0		
8-22	0.0					10-12	0.2	HAT CREEK NEAR GEISERS BRIDGE Sec. 28-35-54 W.							
HALFBREED CREEK NEAR FALLS CITY SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 19-2-17 E.						10-17	1.4	6-21	0.0	7-10	0.0	8- 9	0.0		
6-13	2.2					4-25	.0	6-28	.0	7-17	2.2	9-20	.0		
HALE DRAIN NEAR SCOTTSBLUFF Sec. 6-22-54 W.						HAT CREEK NEAR SEMROSKA RIPARIAN RIGHT Sec. 6-34-54 W.									
11- 1	9.7	9-13	17.7					10-12	3.8	4-25	0.0	6-28	0.6	8- 9	0.0
HALL CREEK NEAR NELIGH NWSW Sec. 17-25-6 W.						10-17	2.8	6-21	.0	7-17	.8	9-20	.0		
8-22	0.0					9-14	1.2	HAT CREEK NORTH ON HIWAY 20 Sec. 10-32-55 W.							

MEASUREMENT OF STREAMS--Continued
 Year Ending September 30, 1978

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		HAT CREEK NEAR HARRISON Sec. 10-32-55 W.					
11-30	2.0						
		HAT CREEK, WEST, BELOW WEST HAT CREEK CANAL Sec. 16-32-55 W.					
4-25	0.0	6-21	0.8				
		HAUGHAN CREEK NEAR MARIAVILLE SW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 29-33-17 W.					
10-31	2.1	7- 3	2.2				
		HICKS CREEK NEAR RED CLOUD NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 10-1-10 W.					
6- 9	0.2						
		HOBSONS BRANCH NEAR CERESCO NW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 5-12-7 E.					
7- 3	0.9						
		HOLT CREEK NEAR BURTON NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 30-35-20 W.					
10-20	5.2	4-14	16.4	6-27	9.6	8-30	0.4
11-23	7.1	5-22	6.8	7-27	2.6	9-27	.4
12-21	20.6						
		HONEY CREEK NEAR SALEM NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 12-1-14 E.					
6-14	2.3						
		HOOKER CREEK NEAR ADAMS NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 7-5-9 E.					
8- 1	2.2						
		HOOKER CREEK NEAR ADAMS SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 11-5-8 E.					
8- 1	1.0						
		HOOKER CREEK NEAR ADAMS SE $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 12-5-8 E.					
8- 1	0.4						

 MEASUREMENT OF STREAMS--Continued
 Year Ending September 30, 1978

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		HOOKER CREEK NEAR STERLING NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 35-6-9 E.					
6- 6	0.5						
		HOOPER CREEK NEAR UNADILLA NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 33-9-10 E.					
7- 5	3.9						
		HOOSIER CREEK NEAR BUTTE SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 30-34-12 W.					
10-11	0.2	7-11	0.1				
		HOOSIER CREEK NEAR STELLA SE $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 17-3-15 E.					
6-13	0.4						
		HORSE CREEK NEAR PARKS Sec. 21-1-39 W.					
5- 3	1.4	6-19	1.2	7-28	0.0		
		HORSE CREEK AT STATE LINE Sec. 34-23-60 W.					
11- 1	12.6	9- 7	47.3				
		HORSEHEAD CREEK NEAR MACY NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 18-25-10 E.					
9- 7	0.0						
		HOUSCHINS CREEK AT BROCK SW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 16-6-13 E.					
7-18	1.5						
		HUGHES CREEK NEAR AUBURN NE $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 36-5-14 E.					
8- 9	4.1						

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1978

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
HUMBUG CREEK NEAR PILGER SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 28-24-3 E.							
4-12	5.7	7-13	2.9	8- 1	2.5		
HUNGRY CREEK NEAR INAVALE Sec. 12-1-12 W.							
6- 7	0.0						
INDIAN CREEK Sec. 19-20-50 W.							
10- 3	12.8	11-14	8.9	1- 5	5.9	3-16	6.2
10-17	8.6	12- 1	8.1	2-10	5.4	3-30	5.1
11- 2	9.2	12-14	7.5	2-27	4.9		
INDIAN CREEK NEAR MAX Sec. 22-3-36 W.							
5- 3	6.0	6-19	0.9				
INDIAN CREEK NEAR RED CLOUD SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-1-11 W.							
6- 7	1.4	6-16	0.6				
INDIAN CREEK NEAR STANTON NWSE Sec. 21-23-2 E.							
8-23	0.05						
INDIAN CREEK NEAR HOWE NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 7-4-15 E.							
8- 9	2.4						
IVES CREEK NEAR TILDEN NENE Sec. 15-24-5 W.							
5-10	0.6	6-28	0.1	7-18	0.1	8- 7	0.01
JAKES CREEK NEAR ADAMS SWSW Sec. 22-6-8 E.							
6- 5	3.3						

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
JIM CREEK ABOVE CALADONIA RESERVOIR--Sec. 13-33-57 W.							
6-21	0.2	8-23	0.1				
JIM CREEK ABOVE DOUT RESERVOIR NO. 1 Sec. 13-33-57 W.							
4-26	0.1	6-21	0.0	8-23	0.05		
JIM CREEK BELOW DOUT RESERVOIR NO. 1 Sec. 7-33-56 W.							
4-26	0.0	6-21	0.0	8-23	0.0		
JIVERS CREEK NEAR NEMAHA NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23-4-15 E.							
8- 9	5.3						
JOHNSON CREEK NEAR DUBOIS SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26-1-11 E.							
6-12	6.0						
JONES CREEK NEAR BROCK SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-6-13 E.							
7-18	1.6						
JORDAN CREEK NEAR WAVERLY NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-11-8 E.							
7- 3	0.8						
KEITH-LINCOLN COUNTY DRAIN NO. 2 Sec. 24-14-35 W.							
11-14	1.2	3-28	0.0	6-16	1.5	8-14	1.0
1-30	.0	4-20	.0	6-30	.0	9- 8	1.4
2-27	.0	5-26	.0	7-31	.01		

MEASUREMENT OF STREAMS--Continued
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 MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
KIOWA CREEK NEAR LYMAN Sec. 36-23-58 W.						LIME CREEK, TRIB TO, NEAR MASKEL SESE Sec. 32-32-4 E.							
11- 1	29.6	9- 7	97.3			9- 7	0.1						
KIRKMANS BRANCH NEAR HUMBOLDT NW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 32-3-13 E.						LINCOLN COUNTY DRAIN NO. 2 Sec. 12-14-33 W.							
6-12	0.2					11-14	3.4	3-28	3.7	6-30	3.5	8-21	2.5
LAFLENS BRANCH NEAR CRAB ORCHARD NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 4-4-9 E.								1-27	3.6	5-26	3.1	7-31	3.6
6- 6	1.0					2-24	3.6	6-13	2.4			9-13	2.1
LANE DRAIN Sec. 30-23-57 W.						LINCOLN CREEK NEAR GRESHAM SW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 26-12-1 E.							
10- 4	4.1	4-28	1.3	6-13	1.3	8- 8	2.3	5-25	8.0	6-20	0.0		
12- 2	2.9	5- 2	1.3	6-27	1.5	8-22	2.4	LOCHLIE CREEK NEAR BLOOMINGTON NENE Sec. 13-1-16 W.					
1- 6	2.0	5-16	.6	7-11	.9	9- 5	5.2	6- 2	0.0				
2- 7	2.2	5-30	.6	7-25	2.5	9-19	4.2	LODGEPOLE CREEK AT WYOMING-NEBRASKA STATE LINE Sec. 11-14-49 W.					
3- 2	1.7	6- 6	3.4					5-16	0.0	6- 2	0.0	6-13	0.0
LARSON DRAIN SOUTH OF OVERTON Sec. 10-8-20 W.						LODGEPOLE CREEK BELOW OLIVER RESERVOIR Sec. 31-15-56 W.							
11-14	2.4	9-28	1.4					10-14	0.5	1-13	4.4	5-16	3.7
LAWRENCE FORK CREEK AT HIWAY 88 NEAR REDINGTON Sec. 36-19-52 W.								10-31	.4	1-31	4.1	5-31	9.5
3- 9	1.6	5- 1	1.0	7- 7	2.1	8-15	15.4	11-17	3.8	3-15	7.7	6- 2	12.0
LAWRENCE FORK CREEK EAST OF REDINGTON Sec. 36-19-52 W.								11-30	5.3	3-29	5.9	6-13	4.9
11- 1	0.0	9- 7	0.0					12-16	4.4	4-14	5.4	6-28	1.7
LEISY CREEK NEAR WISNER NWSE Sec. 10-23-4 E.						LODGEPOLE CREEK ABOVE BENNETT RESERVOIR Sec. 29-15-55 W.							
8-24	0.0							12-30	5.5	4-28	4.5	4-28	4.6
LIME CREEK NEAR MASKELL NW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 6-31-4 E.										5-16	5.0	6-28	0.8
9- 7	1.5									7-18	17.4	7-31	9.1
LIME CREEK NEAR MASKELL NE $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 5-31-4 E.						LODGEPOLE CREEK BELOW BENNETT RESERVOIR Sec. 22-15-55 W.							
9- 7	0.3							4-14	3.0	6- 2	2.2	7-31	0.8
								4-28	.6	6-13	1.9	8-15	.0
								5-16	.9	6-28	.8	8-31	1.3
												9-15	.1

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		LOGEPOLE CREEK AT BULLOCK DAM Sec. 3-13-46 W.					
5- 9	0.9						
		LOGEPOLE CREEK AT BULLOCK DAM Sec. 4-13-46 W.					
5- 9	1.6						
		LOGEPOLE CREEK AT McHATTON PUMP Sec. 7-13-45 W.					
5- 9	0.9						
		LOGEPOLE CREEK ABOVE WOLF RESERVOIR Sec. 18-13-45 W.					
5- 9	1.2						
		LOGEPOLE CREEK BELOW WOLF RESERVOIR Sec. 18-13-45 W.					
5- 9	1.1						
		LOGEPOLE CREEK ABOVE McAULIFFE RESERVOIR Sec. 21-13-45 W.					
5- 9	0.0						
		LOGEPOLE CREEK BELOW McAULIFFE CANAL Sec. 21-13-45 W.					
5- 9	0.0						
		LOGAN CREEK, TRIB, NEAR UEHLING NENE Sec. 20-20-8 E.					
8-31	0.2						
		LOGAN CREEK, TRIB, NEAR UEHLING SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 26-21-8 E.					
8-31	0.04						
		LOGAN CREEK, TRIB, NEAR OAKLAND NESE Sec. 24-22-8 E.					
9- 6	0.02						
		LOGAN CREEK, LITTLE, NEAR LYONS SWNE Sec. 34-23-8 E.					
9- 6	0.3						

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		LOGEPOLE CREEK NEAR KIMBALL Sec. 28-15-55 W.					
10-11	0.5	3-20	9.7	5-18	7.0	7-17	22.2
11-28	7.6	4-17	8.1	6- 2	7.2	7-31	9.6
12-19	2.5	4-28	4.0	6-13	5.3	8- 7	10.4
1-16	4.9	5-16	4.0	6-19	2.7	9-18	3.5
2-15	3.7						
		LOGEPOLE CREEK ABOVE PLATT PUMP Sec. 31-15-57 W.					
4-14	3.0	5-16	2.4	6-13	3.6	7-31	4.2
4-28	2.8	6- 2	3.0				
		LOGEPOLE CREEK BELOW PLATT PUMP Sec. 31-15-57 W.					
4-14	2.8	5-16	2.0	6-13	2.3	7-31	3.2
4-28	2.5	6- 2	3.2				
		LOGEPOLE CREEK SOUTH OF BROWNSON Sec. 19-14-50 W.					
5- 3	0.8	7-10	1.0	8- 9	1.0	9-12	0.2
6-20	1.2						
		LOGEPOLE CREEK BELOW RUNGE CANAL Sec. 20-14-50 W.					
5- 3	0.0	6-20	0.0	8- 9	0.0	9-12	0.0
		LOGEPOLE CREEK NEAR SIDNEY CITY PARK Sec. 6-13-49 W.					
5- 3	0.0	6-20	0.0	8- 9	0.0	9-12	0.0
		LOGEPOLE CREEK SOUTH OF SUNOL Sec. 36-14-48 W.					
5- 3	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
		LOGEPOLE CREEK SOUTHEAST OF LODGEPOLE Sec. 32-14-46 W.					
6-23	0.3	8- 9	0.0	9-12	0.0		
		LOGEPOLE CREEK ABOVE KRUEGER CANAL Sec. 31-14-48 W.					
5- 3	2.6	6-23	0.9	8- 9	0.1	9-12	0.05

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
LOGAN CREEK, LITTLE, TRIB TO, NEAR LYONS NENE Sec. 3-22-8 E.							
9- 6	0.04						
LOGAN CREEK, LITTLE, TRIB TO, NEAR LYONS NWNW Sec. 33-23-8 E.							
9- 6	0.1						
LOGAN CREEK, SOUTH, NEAR WAYNE SWSW Sec. 18-26-4 E.							
6-26	4.5	8- 1	0.9				
LONERGAN CREEK AT LeMOYNE Sec. 17-15-39 W.							
10-31	6.3	1-30	5.5	4-28	4.8	7-28	5.9
11-28	4.7	3- 3	5.4	5-26	5.2	9- 1	6.3
12-30	4.6	3-31	4.5	6-30	5.6		
LONG BRANCH NEAR HUMBOLDT SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 4-2-13 E.							
6-12	11.9						
LONGS CREEK NEAR AUBURN SW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 16-5-14 E.							
8- 9	6.1						
LORES BRANCH AT DUBOIS SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 24-1-12 E.							
6-12	3.9						
LOST CREEK NORTH OF OSHKOSH Sec. 26-17-44 W.							
10-31	0.0	1-30	0.0	5-26	0.0	7-28	0.0
11-28	.0	3-24	.0	6-30	.0	9- 1	.0
12-30	.0	4-28	.0				
LOST CREEK NEAR BLOOMINGTON SWNW Sec. 10-1-15 W.							
6- 2	1.0						
LOST CREEK AT SUPERIOR SE $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 26-1-7 W.							
6-12	0.1						

 MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
LOST CREEK NEAR CRAB ORCHARD SE $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 36-5-9 E.							
6- 7	2.4						
LOST CREEK NEAR SCHUYLER SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 22-17-3 E.							
5- 9	57.0	7-28	8.8	9-28	9.8		
LOUISE CREEK NEAR RED CLOUD NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 17-1-11 W.							
6- 7	0.02						
LOVELY CREEK NEAR FRANKLIN NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 35-2-14 W.							
6- 5	1.5	6-16	0.8				
MACKELNAY CREEK NEAR VERDON SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 17-2-16 E.							
6-13	3.9						
MAPLE CREEK, MIDDLE, NEAR CLARKSON NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 8-20-3 E.							
5- 9	10.0	7-28	0.7	9- 5	0.2	9-28	0.1
6-29	2.1						
MAPLE CREEK, MIDDLE, NEAR SCHUYLER NWNE Sec. 31-19-4 E.							
9- 5	0.1						
MAPLE CREEK, MIDDLE, TRIB TO, NEAR CLARKSON NWNW Sec. 6-20-3 E.							
9- 5	0.04						
MAPLE CREEK, MIDDLE, TRIB TO, NEAR CLARKSON SESW Sec. 11-20-2 E.							
9- 5	0.2						
MELBETA DRAIN Sec. 13-21-54 W.							
10- 5	7.5	1- 6	2.2	3- 8	3.6	4-25	2.1
11-29	2.9	2- 7	4.4				
MESKENTHINE CREEK NEAR STANTON SESW Sec. 20-23-2 E.							
8-23	0.0						

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		MIDDLE CREEK NEAR SEWARD NE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 22-13-4 E.					
6-29	1.3						
		MIDDLE CREEK NEAR GUIDE ROCK SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 10-1-8 W.					
6-12	0.1						
		MIDDLE CREEK, TRIB TO, NEAR BRANCHED OAK SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 25-12-4 E.					
6-29	0.5						
		MIDDLE CREEK, EAST, NEAR NORDEN NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 32-33-23 W.					
10- 3	0.7	5- 3	1.2				
		MINK CREEK AT ST. HELENA NE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 14-33-1 W.					
9- 7	0.0						
		MINNIE SOAP CREEK AT GUIDE ROCK SENE Sec. 9-1-9 W.					
6- 9	0.02						
		MONROE CREEK ABOVE JORDAN RESERVOIR Sec. 23-33-56 W.					
10-17	1.7	4-26	0.1	8-23	0.05		
		MONROE CREEK BELOW JORDAN RESERVOIR Sec. 13-33-56 W.					
10-17	0.5	4-26	0.1	6-21	0.0		
		MONROE CREEK BELOW MONROE CANAL Sec. 33-33-56 W.					
10-17	1.1	4-26	2.2	6-21	0.04	8-23	0.07
		MONROE CREEK BELOW RICHARD JORDAN CANAL Sec. 22-33-56 W.					
4-26	0.01	6-21	0.2				
		LITTLE MOON SEEP Sec. 4-23-49 W.					
10-11	4.9	1-10	3.2	3-24	3.1	8-10	5.0
11-18	3.9						

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		MUDDY CREEK, BIG, ABOVE FRED EHRMAN DAM Sec. 22-20-54 W.					
3-24	0.1						
		MUDDY CREEK, BIG, BELOW FRED EHRMAN DAM Sec. 22-20-54 W.					
3-24	0.2						
		MUDDY CREEK NEAR BURR NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 23-7-11 E.					
7-10	4.4						
		MUDDY CREEK NEAR AUBURN SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 3-4-13 E.					
6-13	0.7						
		MUDDY CREEK, TRIB TO, NEAR AUBURN SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 10-4-13 E.					
6-13	0.3						
		MUDDY CREEK, LITTLE, NEAR STELLA NE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 19-3-15 E.					
6-13	9.2						
		NEGRO BRANCH NEAR DUBOIS NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 35-1-12 E.					
6-12	1.2						
		NEMAHA RIVER, BIG, NEAR STERLING SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 27-6-9 E.					
6- 5	8.5						
		NEMAHA RIVER NEAR STERLING SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 21-6-9 E.					
6- 5	0.0						
		NEMAHA RIVER, BIG, NEAR FIRTH SENE Sec. 34-7-7 E.					
6- 5	1.5						
		NEMAHA RIVER, BIG, TRIB TO, NEAR DAWSON NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 23-2-14 E					
6-14	0.4						

MEASUREMENT OF STREAMS--Continued
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MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		NEMAHA RIVER, TRIB TO, NEAR TECUMSEH NENW Sec. 33-5-11 E.						NINEMILE DRAIN NEAR MINATARE Sec. 14-22-53 W.			
6- 7	2.2					11- 1	27.4	9-13	66.3		
		NEMAHA RIVER, BIG, MIDDLE BRANCH, NEAR FIRTH SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 34-7-7 E.						NIOBRARA RIVER NEAR BELMONT Sec. 29-30-44 W.			
6- 2	12.3					3-10	3.7				
		NEMAHA RIVER, BIG, MIDDLE BRANCH, NEAR ADAMS NWNW Sec. 26-6-8 E.						NIOBRARA RIVER BELOW MIRAGE FLATS CANAL Sec. 26-29-48 W.			
6- 5	12.4					7-18	0.5				
		NEMAHA RIVER, BIG, SOUTH FORK, TRIB TO, NEAR SALEM NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 10-1-14 E.						NIOBRARA RIVER EAST OF MIRAGE FLATS CANAL Sec. 26-29-48 W.			
6-12	2.3					7-18	3.1				
		NEMAHA RIVER, LITTLE, NEAR TALMAGE NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 20-7-12 E.						NIOBRARA RIVER NEAR HAY SPRINGS Sec. 23-29-46 W.			
7-18	60.1					11- 7	23.5	9-18	18.9		
		NEMAHA RIVER, LITTLE, NEAR SYRACUSE SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 27-8-11 E.						NOHARTS CREEK NEAR RULO SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 36-1-17 E.			
6-20	20.1	7- 5	15.2	7-10	19.9	6-14	11.6				
		NEMAHA RIVER, LITTLE, NEAR BENNET NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 10-8-8 E.						OAK CREEK NEAR RAYMOND SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 13-12-4 E.			
7-10	0.2					8-25	0.8				
		NEMAHA RIVER, LITTLE, TRIB TO, NEAR BROCK SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 30-6-14 E.						OAK CREEK NEAR GARLAND SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 13-12-4 E.			
8- 8	0.04					7-17	3.0				
		NEMAHA RIVER, LITTLE, TRIB TO, NEAR BROCK SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 26-6-13 E.						OAK CREEK BELOW BRANCHED OAK NWNW Sec. 34-12-5 E.			
7-18	2.2					8-29	3.6	8-30	3.1		
		NEMAHA RIVER, LITTLE, NORTH FORK, NEAR OTOE SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 19-9-12 E.						OAK CREEK NEAR GUIDE ROCK SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 11-1-10 W.			
7-13	13.4					6- 9	0.0				
		NEMAHA RIVER, LITTLE, SOUTH FORK, NEAR TALMAGE NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 29-7-12 E.						OAK CREEK, MIDDLE, NEAR GARLAND NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 25-12-4 E.			
7-11	23.7					7-17	1.3				

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
OAK CREEK, MIDDLE, NEAR SEWARD NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22-11-4 E.							
6-21	1.5						
OAK CREEK, MIDDLE, NEAR MALCOLM NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 22-12-4 E.							
8-25	0.5						
OAK CREEK, MIDDLE, TRIB TO, NEAR GARLAND SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 25-12-4 E.							
7-17	0.3						
ORD CREEK NEAR AUBURN SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-5-14 E.							
7-18	1.6						
OTTER CREEK NEAR LeMOYNE Sec. 32-16-40 W.							
10-31	22.1	1-30	20.5	4-28	22.7	7-28	22.2
11-28	21.5	3- 3	20.2	5-26	20.2	9- 1	20.8
12-30	20.9	3-31	20.9	6-30	20.2		
OWL CREEK NEAR LYMAN Sec. 27-22-57 W.							
10-11	0.1	12- 2	0.1	3-24	0.2	7-25	0.1
10-24	.2	1-10	.0	4-20	.2	8-10	.2
11-10	.0	1-24	.0	7- 5	.1	9- 7	.2
11-18	.2	2-24	6.7				
OWL CREEK NEAR LYMAN Sec. 21-22-57 W.							
10-11	0.5	12- 2	0.3	3-24	0.3	7-25	58.9
10-24	.3	1-10	.02	4-20	.3	8-10	9.9
11-10	.1	1-24	.0	7- 5	17.0	9- 7	37.0
11-18	.4	2-24	6.5				
OWL CREEK NEAR LYMAN Sec. 16-22-57 W.							
10-11	1.0	12- 2	0.6	3-24	0.6	7-25	50.8
10-24	.7	1-10	.2	4-20	.5	8-10	15.6
11-10	.4	1-24	.2	7- 5	19.0	9- 7	36.7
11-18	.6	2-24	10.0				

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
OWL CREEK NEAR LYMAN Sec. 1-22-58 W.							
10-11	2.5	12- 2	2.1	3-24	1.1	7-25	58.4
10-24	2.4	1-10	.9	4-20	.8	8-10	21.0
11-10	2.1	1-24	.8	7- 5	22.4	9- 7	45.5
11-18	2.3	2-24	6.9				
OWL CREEK BELOW HORSE CREEK LATERAL PUMPS Sec. 7-22-57 W.							
10-11	2.0	12- 2	1.2	3-24	1.0	7-25	57.1
10-24	1.9	1-10	.4	4-20	.7	8-10	19.8
11-10	1.1	1-24	.5	7- 5	23.7	9- 7	45.1
11-18	1.2	2-24	6.1				
PAWNEE CREEK Sec. 4-12-27 W.							
10-12	7.8	1-30	4.6	5-17	7.6	8- 9	6.4
11- 3	7.9	3-30	19.2	6-16	5.9	9-18	6.0
12-12	5.6	4-27	10.9	7-17	3.8		
PAWNEE CREEK, TRIB TO, NEAR GLENVILLE SWSE Sec. 33-6-8 W.							
7-26	0.2	7-31	2.8	8- 7	0.5		
PAYNE CREEK SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-23-2 E.							
4-12	0.7	6-29	0.2	7-28	0.1		
PEARL CREEK NEAR HARTINGTON NENW Sec. 13-30-1 E.							
5-11	8.0						
PEBBLE CREEK Sec. 9-30-49 W.							
11-23	0.0						
PEBBLE CREEK NEAR DUNLAP Sec. 8-29-48 W.							
9-21	0.0						
PENNY CREEK NEAR RED CLOUD NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 16-1-11 W.							
6- 7	0.2						

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		PERRIN CREEK NEAR LAUREL SWSE Sec. 30-29-3 E.					
7-26	3.0						
		PERRIN CREEK NEAR LAUREL SW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 24-29-2 E.					
6-26	3.8						
		PETERSON CREEK NEAR OAKLAND NW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 10-21-8 E.					
8-31	0.0						
		PIGEON CREEK NEAR HOME NW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 1-27-8 E.					
9- 7	0.0						
		PINE CREEK NEAR RUSHVILLE Sec. 33-30-44 W.					
11- 7	20.6	9-18	17.2				
		PLEASANT RUN NEAR STANTON NENE Sec. 25-23-1 E.					
8-23	0.0						
		PLUM CREEK NEAR BEEMER SESW Sec. 4-22-6 E.					
7-13	3.0	8- 4	2.3				
		PLUM CREEK AT SEWARD NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 15-11-3 E.					
5- 2	11.7						
		POND CREEK NEAR SCHUYLER SWNW Sec. 22-18-4 E.					
9- 5	0.0						
		PONY CREEK NEAR FALLS CITY SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 22-1-16 E.					
6-13	23.3						
		PRAIRIE DOG CREEK ABOVE SOW BELLY CREEK JUNCTION Sec. 17-33-55 W.					
10-17	0.0	4-26	0.0	6-21	0.0	8-23	0.0

 MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		PRATTS BRANCH NEAR STERLING SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 25-6-9 E.					
6- 6	0.0						
		PUMPKIN CREEK BELOW MEREDITH-AMMER DAM Sec. 23-19-50 W.					
7-18	0.0						
		PUMPKIN CREEK AT MORRILL COUNTY BANNER COUNTY LINE--Sec. 25-19-53 W.					
5- 2	2.1	6-22	0.0	7-27	0.5	9- 1	0.6
		PUMPKIN CREEK ABOVE SCOTT RESERVOIR Sec. 12-19-56 W.					
5- 2	0.4	6-22	0.3	7-27	0.1	9- 1	0.0
		PUMPKIN CREEK BELOW SCOTT RESERVOIR Sec. 7-19-55 W.					
5- 2	0.5	6-22	0.0	7-27	0.0	9- 1	0.0
		PUMPKIN CREEK ON GERING-KIMBALL HIWAY Sec. 4-19-55 W.					
11- 1	0.03	6-22	0.0	9- 1	0.0	9- 7	0.0
5- 2	.4	7-27	.1				
		RATTLESNAKE CREEK NEAR SALEM NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 21-1-14 E.					
6-12	8.8						
		REAMS CREEK NEAR FRANKLIN Sec. 3-1-14 W.					
6- 2	0.0						
		REBECCA CREEK NEAR NAPONEE NE $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 14-1-16 W.					
6- 2	0.6						
		REPUBLICAN RIVER, UNNAMED TRIB TO, NEAR BLOOMINGTON NW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 17-1-15 W.					
7-11	0.02						
		REPUBLICAN RIVER, UNNAMED TRIB TO, NEAR NAPONEE SW $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 16-1-16 W.					
6- 6	0.04						

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		REPUBLICAN RIVER, UNNAMED TRIB TO, NEAR FRANKLIN SE $\frac{1}{2}$ NE $\frac{1}{2}$ Sec. 31-2-14 W.					
6- 5	0.6						
		REPUBLICAN RIVER, UNNAMED TRIB TO, NEAR RED CLOUD Sec. 17-1-11 W.					
6- 7	0.4						
		ROBINSON CREEK NEAR ELK CREEK SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 29-4-12 E.					
6- 7	0.2						
		ROCK CREEK NEAR AUBURN NW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 29-6-14 E.					
8- 8	9.0						
		ROCK CREEK NEAR STEINAUER SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 24-3-10 E.					
6- 9	1.2						
		ROCK CREEK NEAR SALEM NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 15-1-15 E.					
6-14	14.9						
		ROCK CREEK NEAR CERESCO SE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 15-13-6 E.					
7-13	3.2						
		ROCK CREEK NEAR RIVERTON NW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 11-1-13 W.					
6- 5	0.3						
		ROCK CREEK NEAR ASHLAND NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 6-12-8 E.					
7- 3	1.0						
		ROCK CREEK NEAR CERESCO NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 5-12-7 E.					
7- 5	4.1						
		ROCK CREEK NEAR WAVERLY NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 18-12-8 E.					
7- 3	12.5						

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		ROCK CREEK NEAR BEEMER SWSE Sec. 33-23-5 E.					
6-27	6.7	7-13	8.8	8- 4	7.0		
		ROCK CREEK, TRIB, NEAR CERESCO NW $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 35-13-6 E.					
7- 5	0.9						
		ROMBERG CREEK NEAR UEHLING NW $\frac{1}{2}$ NW $\frac{1}{2}$ Sec. 4-20-8 E.					
8-31	0.03						
		ROUND GROVE CREEK NEAR HUMBOLDT SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 5-2-13 E.					
6-14	0.4						
		RUSH CREEK NEAR LISCO Sec. 17-17-45 W.					
11-20	0.0						
		RUSSELL CREEK NEAR UNADILLA SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 10-8-10 E.					
7- 5	0.8						
		SAND CREEK Sec. 34-16-40 W.					
10-31	3.9	1-30	3.9	4-28	4.0	7-28	3.9
11-28	4.1	3- 3	4.0	5-26	3.6	9- 1	4.2
12-30	4.3	3-31	3.5	6-30	4.2		
		SAND CREEK NEAR PRAGUE SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 12-16-5 E.					
7-13	0.9						
		SAND CREEK NEAR SUPERIOR SW $\frac{1}{2}$ SW $\frac{1}{2}$ Sec. 13-1-8 W.					
6-12	0.0						
		SAND CREEK NEAR WISNER SESE Sec. 29-24-4 E.					
8-24	0.0						

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SANDY CREEK NEAR TALMAGE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 32-7-13 E.							
7-18	1.8						
SANDY CREEK, BIG, NEAR DUSTIN SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 12-33-14 W.							
10-11	41.2	6-21	27.6				
SANDY CREEK, BIG, NEAR DUSTIN NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-33-14 W.							
10-11	27.9						
SARBEN SLOUGH Sec. 20-14-35 W.							
11-14	8.6	3-28	7.1	6-16	7.0	8-14	7.8
1-30	8.1	4-20	5.6	6-30	8.1	9- 8	6.9
2-27	8.1	5-26	8.2	7-31	6.5		
SARDINE CREEK NEAR VERDON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2-2-15 E.							
6-13	1.2						
SCHOOL CREEK NEAR RIVERTON SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 4-1-13 W.							
6- 5	0.0						
SCHOOL CREEK NEAR INAVALE SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-2-12 W.							
6- 7	0.0						
SCOTTSBLUFF DRAIN NO. 1 Sec. 25-22-55 W.							
10- 5	1.8	3-10	4.6	6- 8	1.7	8-11	2.8
11-30	4.4	4-24	1.8	6-23	.6	8-25	6.0
1- 6	.5	5-12	.4	7- 7	2.9	9- 8	5.6
2- 7	1.8	5-23	.9	7-27	2.7	9-22	10.2
SCOTTSBLUFF DRAIN NO. 2 Sec. 4-22-54 W.							
10- 5	3.6	3-10	2.8	6- 8	2.9	8-11	8.7
11-30	1.7	4-24	1.9	6-23	2.4	8-24	10.1
1- 6	1.7	5-12	1.4	7- 7	2.7	9- 8	12.6
2- 7	3.0	5-23	1.6	7-28	7.6	9-22	15.4

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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SHAW CREEK NEAR ADAMS SWSW Sec. 21-6-8 E.							
6- 5	3.6						
SHELDON DRAIN Sec. 14-11-26 W.							
10-12	7.7	5-17	7.4	7-19	9.1	8-30	6.6
11- 3	7.4	6-16	7.4	8- 9	10.2	9-27	7.6
12- 8	8.0						
SIDNEY CREEK (DRAW) NEAR SIDNEY Sec. 3-13-50 W.							
11- 3	0.0						
SILVER CREEK NEAR COOK NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-6-10 E.							
7-11	1.5						
SILVER BRANCH CREEK NEAR FALLS CITY SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 23-2-16 E.							
6-13	0.8						
SILVER CREEK NEAR PALMYRA NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 2-8-9 E.							
7- 5	1.3						
SILVERNAIL DRAIN Sec. 6-19-49 W.							
10- 3	8.8	11-10	8.2	2- 3	6.5	3-16	6.1
10-11	8.4	11-22	8.1	2-17	5.5	3-30	6.0
10-25	8.3	12-27	7.3	2-27	5.5	4-25	4.5
SKUNK CREEK Sec. 1-14-37 W.							
10- 3	2.4	1-30	2.3	4-20	2.4	6-28	2.8
11-15	2.7	2-27	2.6	5-26	2.6	7-31	2.7
12-12	2.3	3-27	2.6	6-15	2.6	9-11	2.7
SLOUGH CREEK NEAR ROSALIE SWSE Sec. 22-24-8 E.							
9- 6	0.01						
SOAP CREEK NEAR GUIDE ROCK SWSE Sec. 10-1-9 W.							
6- 9	0.0						

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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SPOTTEDTAIL CREEK, WET Sec. 6-22-55 W.							
10- 5	10.0	4-24	9.8	6-20	13.4	8-10	14.8
12- 2	13.8	5- 9	13.0	7- 7	18.5	9- 5	13.4
1- 6	10.1	5-22	9.6	7-18	11.8	9-12	20.0
2- 7	9.7	6- 9	14.8	7-28	10.7	9-26	12.4
3- 2	10.8						
SPRING CREEK NEAR TALMAGE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-7-12 E.							
7-18	2.4						
SPRING CREEK NEAR WESTERN NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-5-2 E.							
3-29	1.2						
SPRING CREEK NEAR SALEM SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-1-14 E.							
6-12	12.0						
SPRING CREEK AT INAVALE SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-2-12 W.							
6- 7	0.0						
SPRING CREEK NEAR PRAGUE NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23-16-6 E.							
7-13	1.0						
ST. CLAIR CREEK NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-24-5 W.							
5-10	0.0						
STATE CREEK NEAR INAVALE SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-1-11 W.							
6- 7	0.0						
STOVE CREEK NEAR ELMWOOD SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 10-10-10 E.							
8-10	0.8						
STREVER CREEK SOUTH OF OVERTON Sec. 1-8-20 W.							
10- 6	6.6	12- 7	4.0	2-21	0.0	4- 6	9.7
11-16	6.8	1-11	.0	3-30	13.0		

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SOLDIER CREEK NEAR CRAWFORD Sec. 3-31-53 W.							
3-22	5.0	5-24	3.9	7-24	2.5		
SOLDIER CREEK ABOVE JOHNSON RESERVOIR Sec. 3-31-53 W.							
8-31	0.3						
SOW BELLY CREEK BELOW JIM CREEK JUNCTION--Sec. 4-33-55 W.							
10-12	2.1	4-25	0.1	9-15	0.0	9-20	0.2
10-17	2.2	6-21	.9				
SOW BELLY CREEK BELOW ZIMMERMAN CANAL Sec. 34-33-55 W.							
10-17	2.5	4-25	0.01	8-23	0.2	9-27	1.2
11-30	.2	6-21	1.8	9-15	.9		
SOW BELLY CREEK BELOW SPRING CREEK JUNCTION Sec. 33-33-55 W.							
8-23	0.0						
SOW BELLY CREEK BELOW QUINTARD RIPARIAN RIGHT Sec. 17-33-55 W.							
10-17	1.7	1-13	0.8	6-21	1.0	9-15	0.0
SOW BELLY CREEK BELOW SOW BELLY CANAL Sec. 7-32-55 W.							
11-30	0.6	5-25	1.7	6-21	2.4	8-23	1.2
SOW BELLY CREEK ABOVE ANDREWS CANAL Sec. 5-32-55 W.							
5- 8	2.1	5-17	0.8				
SOW BELLY CREEK BELOW ANDREWS CANAL Sec. 34-33-55 W.							
12- 7	1.6	4-25	1.0	5-17	0.7	9-15	1.7
1- 6	.1	5- 9	1.2				

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1978							MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1978							
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.	
SUTHERLAND POND DRAIN AT KEYSTONE Sec. 1-14-38 W.							TURKEY CREEK NEAR STEINAUER NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 24-3-10 E.							
11-15	5.9	2-22	6.7	5- 2	4.3	8-10	6.7	6- 9	3.0					
12-12	5.4	3-15	6.0	6- 2	5.7	9- 1	5.3	TURKEY CREEK NEAR PAWNEE CITY SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 27-2-11 E.						
2- 3	5.1	4-17	4.7	SWARTZ RUN CREEK NEAR NEMAHA SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 28-5-15 E.			6- 9	6.7						
8- 9	2.2	TAYLOR BRANCH CREEK NEAR TABLE ROCK NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 32-3-12 E.					7-11	1.8	TURKEY CREEK NEAR COOK NE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 8-6-11 E.					
6- 8	2.6	TAYLOR CREEK NEAR MADISON SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 32-22-1 W.					6- 6	8.9	6-15	7.7	TURKEY CREEK NEAR NAPONEE NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 8-1-16 W.			
5- 9	12.8	6-29	8.7	7-28	11.0	TURKEY CREEK NEAR NAPONEE NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 20-2-16 W.								
THIRTY TWO MILE CREEK, TRIB TO, NEAR HASTINGS SWNE Sec. 31-7-10 W.							7-11	7.0	7-28	8.1	TURKEY CREEK NEAR NAPONEE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 33-2-16 W.			
7-18	0.7	7-18	1.6	7-18	1.3	7-18	2.3	7-11	4.9	7-14	2.0	7-29	4.4	
7-18	1.1	THIRTY TWO MILE CREEK NEAR HASTINGS SWSW Sec. 30-7-10 W.					TURKEY CREEK NEAR NAPONEE NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 4-1-16 W.							
7-17	2.0	THIRTY TWO MILE CREEK, TRIB TO, NEAR HASTINGS SENE Sec. 36-7-11 W.					5- 1	9.4	7- 5	2.2	7- 5	0.7	7- 7	4.0
7-17	0.4	TODD CREEK NEAR ELK CREEK NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34-4-11 E.					6- 9	10.7	TURKEY CREEK, WEST BRANCH, NEAR PAWNEE CITY SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 33-2-11 E.					
6- 7	2.6	TRUEBLOOD CREEK NEAR OAKDALE NWNE Sec. 4-24-5 W.					4- 9	9.5	UNION CREEK NEAR MADISON NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 6-21-1 W.					
8-22	0.0	TURKEY CREEK NEAR MASKELL NWNW Sec. 6-31-5 E.					11-29	0.0	UNNAMED CREEK NEAR LEWELLEN Sec. 3-15-42 W.					
9- 7	0.2						6- 2	0.3	VINGING CREEK NEAR FRANKLIN NWNW Sec. 3-1-15 W.					

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1978

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		WAGON TONGUE CREEK NEAR AGNEW NE½NE¼ Sec. 10-12-5 E.					
3-28	1.5	6-14	1.1	6-21	0.6		
		WAGON TONGUE CREEK NEAR AGNEW NE½NE¼ Sec. 11-12-5 E.					
6-29	0.8						
		WAGON TONGUE CREEK NEAR AGNEW SE½SE¼ Sec. 3-12-5 E.					
4-26	2.6	5-17	2.0	5-22	2.1	8- 4	0.4
		WAGON TONGUE CREEK NEAR AGNEW NW½NW¼ Sec. 3-12-5 E.					
5-22	0.9	6-14	1.0	6-21	0.6	6-29	0.6
		WAGON TONGUE CREEK NEAR VALPARAISO NW½NW¼ Sec. 4-12-5 E.					
6-14	0.7	8-30	0.1				
		WAGON TONGUE CREEK NE½NE¼ Sec. 4-12-5 E.					
3-28	0.7	4-26	1.5	5-17	1.4	8-30	0.05
		WAGON TONGUE CREEK NEAR AGNEW SW½SW¼ Sec. 33-13-5 E.					
3-28	0.5	4-26	1.2				
		WAGON TONGUE CREEK NEAR VALPARAISO SE½SE¼ Sec. 32-13-5 E.					
6-21	0.4	6-29	0.4				
		WAGON TONGUE CREEK NEAR AGNEW SE½SE¼ Sec. 32-13-5 E.					
5-17	1.0	5-22	0.9				
		WAHOO CREEK NEAR MALMO SW½NE¼ Sec. 29-15-6 E.					
7-13	2.8						
		WAHOO CREEK NEAR WESTON SE½NW¼ Sec. 10-14-6 E.					
7-13	2.6						

MEASUREMENT OF STREAMS--Continued
Year Ending September 30, 1978

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		WAHOO CREEK, TRIB, NEAR WESTON NE½SE¼ Sec. 31-15-6 E.					
7-13	1.3						
		WALNUT CREEK NEAR MASKAL NENE Sec. 34-32-4 E.					
9- 7	0.1						
		WALNUT CREEK NEAR INAVALE SW½NE¼ Sec. 8-1-12 W.					
6- 7	1.2						
		WALNUT CREEK NEAR FALLS CITY SE½NW¼ Sec. 36-1-16 E.					
6-13	0.4						
		WALNUT RUN CREEK NEAR FRANKLIN NE½SE¼ Sec. 32-2-14 W.					
6- 5	0.0						
		WARBONNET CREEK ABOVE WARBONNET CANAL Sec. 20-33-56 W.					
4-26	2.4						
		WARBONNET CREEK BELOW WARBONNET CANAL Sec. 21-33-56 W.					
10-17	2.1	4-26	0.1	6-21	1.6	8-23	0.8
		WARBONNET CREEK NEAR HARRISON Sec. 10-33-56 W.					
10-17	0.8	4-26	0.01	5-18	3.0	6-21	0.2
3-17	5.4						
		WASP CREEK NEAR FRANKLIN NW½SW¼ Sec. 33-2-14 W.					
6- 5	1.0						
		WEEPING CREEK, NORTH BRANCH, AT ELMWOOD SW½NE¼ Sec. 9-10-10 E.					
8-10	0.9						
		WEEPING WATER CREEK, SOUTH BRANCH, NEAR UNION SW½NW¼ Sec. 27-10-13 E.					
8-10	24.6						

MEASUREMENT OF STREAMS--Continued
 Year Ending September 30, 1978

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
WHISKEY RUN CREEK NEAR NEMAHA NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 24-4-15 E.							
8- 9	3.6						
WHISKEY RUN CREEK NEAR STELLA SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23-3-14 E.							
6-13	6.0						
WHISKEY SLOUGH NEAR KEARNEY Sec. 21-8-16 W.							
11- 8	0.2	9-29	0.0				
WHITE CLAY CREEK AT WHITE CLAY Sec. 24-35-45 W.							
12-21	6.0	9-18	7.1				
WHITE HEAD CREEK ABOVE HAT CREEK JUNCTION Sec. 4-34-54 W.							
10-12	0.4	4-25	0.0	7-17	0.9	9-20	0.0
10-17	.0	6-21	.0	8- 9	.0		
WHITE HORSE CREEK Sec. 5-13-29 W.							
12-15	17.5	2-28	20.7	3-29	42.0	4-27	17.4
1-31	9.5						
WHITE RIVER, TRIB, NEAR GLEN Sec. 34-31-54 W.							
12-15	0.4	9-13	0.3				
WHITE RIVER NORTH OF CHADRON Sec. 6-34-47 W.							
11-29	7.8	9-19	6.9				
WHITE TAIL CREEK Sec. 36-15-38 W.							
11-15	31.0	2-22	31.8	6- 9	34.3	8-17	30.1
12-12	30.2	3-15	31.3	7-12	27.5	9-11	28.6
1-30	29.3	4-17	29.6				
WILDHORSE DRAIN NEAR BAYARD Sec. 35-22-52 W.							
11- 1	6.4	9-13	8.1				

 MEASUREMENT OF STREAMS--Continued
 Year Ending September 30, 1978

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
WILLOW CREEK NEAR GUIDE ROCK SW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 1-1-10 W.							
6- 9	1.5	6-16	1.2				
WILLOW CREEK NEAR AUBURN NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 11-5-14 E.							
8- 9	2.1						
WILSON CREEK NEAR DUNBAR NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 7-8-13 E.							
7-13	9.7						
WINNEBAGO CREEK NEAR RULO NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 32-2-18 E.							
6-14	0.6						
WOLF RUN NEAR SYRACUSE NE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 18-8-11 E.							
7- 5	2.1						
WOLF CREEK NEAR NEBRASKA CITY NE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 11-9-13 E.							
8-10	0.1						
WORTMANS CREEK NEAR WEST POINT NW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 14-21-6 E.							
8-31	0.1						
YANKEE CREEK NEAR CRAB ORCHARD SENE Sec. 36-5-9 E.							
6- 6	8.8						
YANKTON SLOUGH NEAR PIERCE SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 1-26-2 E.							
5-22	0.0						

MISCELLANEOUS DISCHARGE MEASUREMENTS OF
CANAL AND PUMP DIVERSIONS 1978

MEASUREMENT OF CANALS
Year Ending September 30, 1978

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
ADAMS CANAL--D-371 From Lodgepole Creek--Sec. 3-14-52 W.								ASHER PUMP--A-9931 From Mud Creek--Sec. 34-13-15 W.							
5- 3	0.0	6-20	0.0	8- 9	0.0	9-12	0.0	6-27	2.4	6-27	2.0				
ADAMSON PUMP--A-13381 From Lodgepole Creek--Sec. 33-15-57 W.								ATKINS-POLLY CANAL--D-342, D-344, A-897R From Lodgepole Creek--Sec. 30-15-55 W.							
4-14	0.0	5-16	0.0	6-13	0.0	8-15	0.0	4-28	0.6	6-28	0.0	7-31	1.0	9-15	0.2
4-28	.0	6- 2	.0	6-28	.0	9-15	.0	5-16	.4	7-18	1.5				
ALLEN-LARNED CANAL--D-117 From Buffalo Creek--Sec. 18-1-40 W.								AUGUSTYN PUMP--A-7426 From North Loup River--Sec. 34-16-11 W.							
6-20	4.0	7-31	3.5	8-28	6.1	9-25	2.9	7-12	1.1						
7-17	3.9	8-14	3.7	9-11	5.2										
ANDERSON CANAL--D-373 From Lodgepole Creek--Sec. 8-14-51 W.								BACH PUMP--A-13836 From Republican River--Sec. 3-1-14 W.							
5- 3	0.0	6-20	0.0	8- 9	0.0	7-12	1.9								
ANDERSON PUMP--A-6277, A-3584 From North Loup River--Sec. 17-15-10 W.								BAIRD PUMP--A-7586 From Republican River--Sec. 29-1-7 W.							
7-11	1.5							8- 9	2.4						
ANDERSON PUMP--A-2263R From North Loup River--Sec. 24-22-20 W.								BARBER CANAL--D-754, A-1111 From Clear Creek--Sec. 29-16-41 W.							
7-28	1.1							7-28	4.4						
ANDERSON PUMP--A-15289 From Middle Loup River--Sec. 11-23-28 W.								BARNES PUMP--A-6585, A-6584 From Fish Creek & North Loup River--Sec. 7-16-11 W.							
8- 2	0.8							7-12	1.6						
ANDREWS SUPPLY CANAL--A-2530 From Sow Belly Creek--Sec. 5-32-55 W.								BARSTOW PUMP--A-3852 From Lodgepole Creek--Sec. 28-14-47 W.							
11-30	0.6	4-25	0.6	5-17	0.1	9-15	0.0	5- 4	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
1- 6	1.8	5- 9	.9	6-21	.0										
ARNOLD PUMP--A-14895 From Loup River--Sec. 34-16-7 W.								BATENHORST PUMP--A-2419 From Cedar River--Sec. 15-18-7 W.							
7-27	2.9							7-14	1.4						
ARTERBURN PUMP--A-4628 From North Loup River--Sec. 15-15-10 W.								BENNETT CANAL--A-691, A-1975 From Lodgepole Creek--Sec. 22-15-55 W.							
7-11	5.0							4-14	3.0	6- 2	0.0	7-31	0.0	8-31	1.9
								4-28	.0	6-13	.0	8-15	.0	9-15	.0
								5-16	.0	6-28	.0				

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		BERST PUMP--A-9959 From Spring Creek--Sec. 29-16-9 W.					
8- 1	1.7						
		BICKEL-FADEN CANAL--D-347, A-219, A-724 From Lodgepole Creek--Sec. 30-15-55 W.					
4-28	0.0	5-16	0.0	6-28	0.0	7-18	0.0
		BOOTH CANAL NORTH and SOUTH--D-309, D-310 From Lodgepole Creek--Sec. 29-14-47 W.					
5- 4	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
		BORDWELL CANAL, NORTH--D-303 From Lodgepole Creek--Sec. 35-14-49 W.					
5- 3	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
		BOWEN PUMP--A-5439 From Republican River--Sec. 10-1-10 W.					
8-10	3.4	8-22	3.4				
		BRADLEY PUMP--A-3216, A-4475, A-14166 From Turkey Creek--Sec. 4-1-16 W.					
7- 5	1.0						
		BRADY CANAL--D-352 From Lodgepole Creek--Sec. 28-15-54 W.					
6- 2	0.0	6-28	0.0				
		BUCHANAN PUMP--A-11676 From Cedar Creek--Sec. 14-18-48 W.					
11-30	1.4						
		BRASS PUMP--A-5036 From Middle Loup River--Sec. 9-19-18 W.					
8-15	0.6						
		BROWN PUMP--A-6689 From Loup River--Sec. 36-16-7 W.					
8- 3	0.5						
		BROWN PUMP--A-10316 From Loup River--Sec. 34-16-7 W.					
8- 3	1.4	8- 3	0.6				

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		BROWN PUMP--A-12454 From Loup River--Sec. 33-16-7 W.					
8- 3	1.6						
		BULLOCK CANAL--D-296 From Lodgepole Creek--Sec. 3-13-46 W.					
5- 4	0.0	5- 9	0.0	6-23	0.0	8- 9	0.0
		BULLOCK CANAL--A-437 From Lodgepole Creek--Sec. 4-13-46 W.					
5- 4	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
5- 9	.0						
		BUSH PUMP--A-12716 From Republican River--Sec. 11-1-13 W.					
8-14	2.2						
		BUSHNELL CANAL--A-504 From Lodgepole Creek--Sec. 2-14-58 W.					
5-16	0.0	6- 2	0.0	7-18	0.0		
		BUTCHER PUMP--A-14417 From Owl Creek--Sec. 21-22-57 W.					
4-20	0.0	7-25	0.0				
		BUTLER PUMP--A-3443R, A-3252R. From Republican River--Sec. 31-1-7 W.					
7-13	3.9						
		CAPELLAN-SIEGEL PUMP--A-7307 From Mud Creek--Sec. 33-14-16 W.					
7-11	0.9						
		CAPRON CANAL--D-890 From Greenwood Creek--Sec. 15-38-50 W.					
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	1.4
		CARMAN PUMP--A-6359 From South Loup River--Sec. 17-12-17 W.					
7-14	1.5						
		CASPER PUMP--A-6487 From Cedar River--Sec. 36-18-7 W.					
7-14	1.2						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
CHRISTENSEN CANAL, NORTH--D-367 From Lodgepole Creek--Sec. 7-14-51 W.							
5- 3	0.0	6-20	0.5	8- 9	0.0	9-12	0.0
CIRCLE ARROW CANAL--D-346 From Lodgepole Creek--Sec. 30-15-54 W.							
6- 2	0.0	6-13	0.0	7-31	0.6	8-31	0.0
6-28	.0						
CITY OF ORD PUMP--A-11706 From North Loup River--Sec. 13-21-9 W.							
7-27	0.5						
CLINCH PUMP--A-3593 From Babcock Creek--Sec. 6-17-12 W.							
7-17	1.4						
CLINE PUMP--A-5316 From Loff Creek--Sec. 19-1-13 W.							
7-26	0.7						
CLINE PUMP--A-4782 From Republican River--Sec. 6-1-14 W.							
7-18	0.4	7-22	1.0				
COFFEE CANAL--EAST--D-512 From Hat Creek--Sec. 26-33-55 W.							
4-25	0.0	6-21	0.0	8-23	0.0	9-15	0.0
COFFEE FLOOD CANAL--A-1236 From Hat Creek--Sec. 14-33-45 W.							
10-17	0.0	4-25	2.4	8-23	0.0	9-20	0.0
1- 5	.0	6-21	.0	9-15	.0		
COX PUMP--A-12529 From Loup River--Sec. 13-15-8 W.							
8- 1	0.9						
CROUSE PUMP--A-11743 From Cedar River--Sec. 25-17-7 W.							
7-14	1.9						
CROUSE-TOPINKA PUMP--A-7457 From Cedar River--Sec. 31-17-6 W.							
7-19	1.9						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
CREWS CANAL--D-1025R From Republican River--Sec. 21-1-41 W.							
7-12	1.8	7-28	4.5				
CROOK CANAL--A-5395 From Republican River--Sec. 7-1-12 W.							
7-17	2.0						
CUNNINGHAM PUMP--A-10782 From Loup River--Sec. 5-15-7 W.							
8- 4	2.9						
DAVIS CR. L-C CO. PUMP--A-15159 From Davis Creek--Sec. 34-17-12 W.							
7-10	3.2						
DAVIS CR. L-C CO. PUMP--A-15159 From North Loup River--Sec. 34-17-12 W.							
8- 1	1.0						
DAY PUMP--A-12841 From Lodgepole Creek--Sec. 32-15-57 W.							
4-14	0.0	5-16	0.0	6-28	0.0	8-15	0.0
4-28	.0	6- 2	.0	7-18	.0		
DICKEY-BROWN CANAL--A-4750 From Pumpkin Creek--Sec. 29-29-52 W.							
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0
DICKENSON CANAL--D-969 From Lodgepole Creek--Sec. 26-14-47 W.							
5- 4	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
DICKENSON CANAL--D-967 From Lodgepole Creek--Sec. 33-14-47 W.							
5- 4	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
DIERKING PUMP--A-13355 From Turkey Creek--Sec. 29-2-16 W.							
7- 5	2.2						
DIXON PUMP--A-11520 From Republican River--Sec. 27-1-7 W.							
7-19	0.5	8-21	1.0				

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
DOWNEY PUMP--A-1304 From South Loup River--Sec. 6-11-16 W.							
7-26	0.4						
DRAKE PUMP--A-13106 From Rebecca Creek--Sec. 26-1-16 W.							
7-24	1.6						
DUNN PUMP--A-3079 From Republican River--Sec. 1-1-16 W.							
7-11	1.0						
ECKHARDT PUMP--A-6504 From Republican River--Sec. 12-1-13 W.							
7-12	0.6						
ECKHOUT PUMP--A-13404 From South Loup River--Sec. 7-12-7 W.							
7-14	1.5						
EHRMAN PUMP--A-3859 From Lodgepole Creek--Sec. 18-19-53 W.							
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0
ELY PUMP--A-14773 From Bell Creek--Sec. 33-1-6 W.							
7-18	0.6	8- 9	0.9				
ENDER PUMP--A-13200 From North Loup River--Sec. 18-16-11 W.							
7-18	1.6	8- 6	1.5	8- 8	1.5		
ERICKSON PUMP--A-4957 From Valley Home Creek--Sec. 33-1-6 W.							
8- 9	1.1						
FERGUSON PUMP--D-345R, D-348R From Lodgepole Creek--Sec. 34-15-56 W.							
4-28	0.0	6-13	0.0	7-31	2.7	8-31	0.0
5-16	.0	6-28	.0	8-15	.0	9-15	.0
6- 2	.0	7-18	2.5				
FERGUSON PUMP--A-2520 From North Loup River--Sec. 27-17-12 W.							
7-12	5.3						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
FERGUSON PUMP--A-2635 From North Loup River--Sec. 36-23-21 W.							
7-13	2.2						
FORSLING-KINNEY CANAL--D-348, A-718 From Lodgepole Creek--Sec. 33-15-55 W.							
4-28	0.0	6-13	0.0	7-31	0.0	8-31	0.0
5-16	.0	6-28	.0	8-15	.0	9-15	.0
6- 2	.0	7-18	.0				
FRANSSEN PUMP--A-1848 From Mud Creek--Sec. 13-14-17 W.							
7-11	0.7						
FRANSSEN PUMP--A-13722 From Mud Creek--Sec. 18-14-16 W.							
7-11	0.6						
FRAZELL PUMP--A-4745 From Clark Reservoir No. 2--Sec. 34-16-42 W.							
4-13	0.1						
FREY BROS PUMP--A-4665, A-8525 From Elm Creek--Sec. 12-1-10 W.							
8-21	2.1						
FRYE PUMP--A-3696 From Mud Creek--Sec. 2-12-15 W.							
7-19	1.0						
FUSS PUMP--A-10391 From North Loup River--Sec. 16 & 21-17-12 W.							
8- 7	1.0						
GADE PUMP--A-8494 From Lodgepole Creek--Sec. 31-14-47 W.							
5- 4	0.0	6-23	0.0	8- 9	0.0		
GEORGE PUMP--A-10552 From South Loup River--Sec. 15-13-19 W.							
7-25	0.6						
GIFFORD PUMP--A-10378 From Lodgepole Creek--Sec. 7-19-56 W.							
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		GLASS PUMP--A-10809 From North Loup River--Sec. 13-15-10 W.					
7-18	1.9						
		GOEHRING PUMP--A-2427 From North Loup River--Sec. 11-21-16 W.					
7-13	0.8						
		GOLDFISH PUMP--A-3770 From Wallace Creek--Sec. 16-17-12 W.					
7-12	1.5						
		GREGORY PUMP--A-14765 From Turtle Creek--Sec. 31-20-14 W.					
8- 9	0.9	8- 9	1.5				
		GUNDERSON CANAL--D-305 From Lodgepole Creek--Sec. 1-14-52 W.					
5- 3	0.0	6-20	0.0	8- 9	0.0	9-12	0.0
		HADLEY PUMP--A-13587 From Eureka Creek--Sec. 1-1-17 W.					
7-20	0.9						
		HALL CANAL and PUMP--D-478c, D-478cR From White River--Sec. 26-32-52 W.					
7-26	0.0						
		HANNAH CANAL--D-886 From North Platte River--Sec. 24-18-47 W.					
10- 4	0.0	6- 6	0.9	7-18	0.0	8-29	0.0
10-11	.0	6-13	.0	7-25	.0	9- 5	.0
5- 2	.0	6-20	.0	8- 1	.0	9-12	.0
5- 9	.2	6-27	.0	8- 8	.0	9-19	.0
5-23	.0	7- 3	.0	8-15	.0	9-26	.0
5-30	.9	7-11	.0	8-22	.0		
		HANSEN PUMP--A-11689 From Farmers Creek--Sec. 29-2-12 W.					
7-17	0.9						
		HANSEN PUMP--A-10328 From Spring Creek--Sec. 27-19-13 W.					
8- 1	0.6						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		HANSEN PUMP--A-13438, A-14228 From Middle Loup River--Sec. 12-19-19 W.					
7-19	1.0						
		HANSON PUMP--A-3032, A-10897, A-12753 From North Loup River--Sec. 22-17-12 W.					
7-12	1.3						
		HANISCH PUMP--A-11660 From Spring Creek--Sec. 8-15-9 W.					
8- 1	2.0						
		HALL-HICKMAN PUMP--A-2678R, A-2995, A-3981bR From Middle Loup River--Sec. 26-18-17 W; Sec. 35-18-7 W.					
7-19	1.9						
		HARING PUMP--A-6915 From Turkey Creek--Sec. 29-2-16 W.					
7-24	1.1						
		HARING PUMP--A-4815 From Turkey Creek--Sec. 29-2-16 W.					
7- 5	0.9	7- 6	0.9	7-24	0.7		
		HARMS PUMP--A-6175, A-9065 From Center Creek--Sec. 26-2-15 W.					
7-25	2.2						
		HARNAGEL PUMP--A-10358 From South Loup River--Sec. 11-12-18 W.					
7-14	1.0						
		HARRIS-COOPER CANAL--D-464a, D-464b From White River--Sec. 26-32-52 W.					
7-26	0.0						
		HAT CREEK CANAL, WEST--D-533a, D-533b From Hat Creek--Sec. 16-32-55 W.					
4-25	1.0	6-21	0.0	8-23	0.0		
		HEERTEN PUMP--A-11459 From Bean Creek--Sec. 10-20-15 W.					
7-31	1.2						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

MEASUREMENT OF CANALS--Continued
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Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		HEERTEN PUMP--A-14277 From North Loup River--Sec. 10-20-15 W.					
7-31	0.8						
		HELLSBUSCH PUMP--A-4796 From Timber Creek--Sec. 21-17-7 W.					
7-18	0.3						
		HENNINGS PUMP--A-2263R From North Loup River--Sec. 4-22-20 W.					
7-13	0.3						
		HERBIG PUMP--A-8917 From North Loup River--Sec. 17-15-11 W.					
7-11	1.1						
		HOBLYN PUMP--A-12012 From Mud (Beaver) Creek--Sec. 33-15-17 W.					
7-11	0.4						
		HOLT PUMP--A-11094 From North Loup River--Sec. 27-17-12 W.					
7-10	1.0	8- 8	0.9				
		HOOVER CANAL--D-353 From Lodgepole Creek--Sec. 12-14-59 W.					
5-16	0.0	6- 2	0.0	6-13	0.0	7-18	0.0
		HOOVER PUMP--D-510R From Niobrara River--Sec. 19-31-57 W.					
5- 3	0.0	5-18	0.0	6- 8	0.0	7-13	0.0
5-10	.0	5-25	.0	6-22	.0		
		HORSE CREEK CANAL--D-159, D-173 From Horse Creek--Sec. 23-1-39 W.					
7-28	0.8						
		HOWEL PUMP--A-3134 From Republican River--Sec. 10-1-16 W.					
7-10	1.2						
		HUNKINS PUMP--A-3806 From Middle Loup River--Sec. 23-18-17 W.					
7-19	1.0						

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		HURLEY-LILLY-POLLY CANAL--D-354 From Lodgepole Creek--Sec. 26-15-56 W.					
4-28	0.0	6-13	0.0	7-31	2.5	8-31	1.4
5-16	.0	6-28	1.8	8-15	2.2	9-15	.7
6- 2	.0	7-18	4.2				
		HYDE PUMP--A-7603 From North Loup River--Sec. 10 & 15-22-20 W.					
8- 2	1.2						
		INDEPENDENT CANAL--D-343 From Lodgepole Creek--Sec. 7-14-58 W.					
5-16	0.0	6- 2	0.0	6-13	0.0	7-18	0.0
		JACOBSEN PUMP--A-7310; A-14639 From North Loup River--Sec. 35 & 36-17-12 W.					
7-10	1.5	7-12	2.2				
		JACOBSEN PUMP--A-5198, A-6280, A-10800 From North Loup River--Sec. 23-15-10 W.					
7-19	2.0						
		JENKINS CANAL--A-924 From Buffalo Creek--Sec. 18-1-40 W.					
6-20	3.2	7-17	1.9	7-31	2.8	8-14	1.2
		JENSEN PUMP--A-12285 From Republican River--Sec. 33-1-7 W.					
7-19	2.3						
		JENSEN PUMP--A-2660, A-11673 From North Loup River--Sec. 1 & 12-16-12 W.					
7-18	1.7						
		JOHNSON CANAL--A-612 From Lodgepole Creek--Sec. 23-13-45 W.					
6-23	0.0	8- 9	0.0				
		JOHNSON PUMP--A-8315 From Lodgepole Creek--Sec. 2-14-52 W.					
5- 3	0.0	6-20	0.0	8- 9	0.0		

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		JOHNSON PUMP--A-10960 From Turkey Creek--Sec. 32-2-16 W.					
7-10	0.7						
		JOHNSON PUMP--A-7181 From Mud (Beaver) Creek--Sec. 35-14-16 W.					
7-12	1.0						
		JONES CANAL and PUMP--A-3392 From Lodgepole Creek--Sec. 36-14-49 W.					
5- 3	0.0	6-23	0.0	8- 9	0.0		
		JORDAN CANAL--A-2032 From Monroe Creek--Sec. 22-33-56 W.					
10-17	0.0	4-26	0.6	6-21	0.0	8-23	0.0
		JURZENSKI PUMP--A-4279 From North Loup River--Sec. 16-15-10 W.					
7-18	0.9						
		JUSTESEN PUMP--A-10134 From Spring Creek--Sec. 5-15-9 W.					
8- 1	0.8						
		KAHRS PUMP--A-5626 From Republican River--Sec. 2-1-15 W.					
7-12	1.9						
		KAHRS PUMP--A-3081 From Republican River--Sec. 7-1-15 W.					
7-11	1.5						
		KAYTON PUMP--A-11784 From Cedar River--Sec. 32-17-6 W.					
7-18	4.2						
		KENNEDY PUMP--A-12485 From Republican River--Sec. 12-1-16 W.					
8-23	2.5						
		KEEP PUMP--A-13828 From North Loup River--Sec. 1-16-12 W.					
7-10	1.4						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		KELLER PUMP--A-14391, A-14239 From Munson Creek--Sec. 5-15-11 W.					
7-11	0.7	8- 1	0.4	8- 8	0.8		
		KELLER PUMP--A-5174 From North Loup River--Sec. 36-26-27 W.					
8- 3	1.0						
		KILDAY PUMP--A-10039, A-13752 From Loup River--Sec. 12-15-8 W.					
8-21	1.8						
		KIMBALL CANAL--A-897 From Lodgepole Creek and Oliver Reservoir Sec. 36-15-57 W.					
4-28	0.0	6- 2	0.0	7-18	0.0	8-31	0.0
5-16	.0	6-28	.0	8-15	.0	9-15	.0
		KINSEY PUMP--A-4365, A-14390 From Turkey Creek--Sec. 20-2-16 W.					
7- 5	1.1						
		KOKES PUMP--A-9423 From North Loup River--Sec. 12-18-13 W.					
7-18	1.9						
		KRUEGER CANAL NO. 1--D-968 From Lodgepole Creek--Sec. 29-14-48 W.					
5- 3	2.3	6-23	0.0	8- 9	0.0	9-12	0.0
		KRUEGER CANAL NO. 2--D-324 From Lodgepole Creek--Sec. 32-14-48 W.					
5- 3	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
		KRUEGER CANAL NO. 3--D-323 From Lodgepole Creek--Sec. 32-14-48 W.					
5- 3	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
		KRUSCHWITZ PUMP--A-10811 From Calamus River--Sec. 9-21-16 W.					
7-27	1.4						
		KRZYCKI PUMP--A-10860 From Turkey Creek--Sec. 20-14-10 W.					
6-19	1.6						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		KRZYCKI PUMP--A-13823 From Turkey Creek--Sec. 20-14-10 W.					
7-19	0.7						
		LAING CANAL--D-825 From Lawrence Fork Creek--Sec. 28-18-52 W.					
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0
		LANGER PUMP--A-11278 From Cedar River--Sec. 2-19-9 W.					
10- 7	0.4						
		LETH PUMP--A-12843 From Turkey Creek--Sec. 21-14-10 W.					
6-19	0.9						
		LEWIS PUMP--A-3248 From Republican River--Sec. 9-1-11 W.					
7-26	2.2	7-26	2.2	8-17	3.8		
		LEWIS PUMP--A-12856 From Republican River--Sec. 7-1-11 W.					
8-10	2.1	8-22	1.7				
		LIBBY CANAL--D-312 From Lodgepole Creek--Sec. 36-14-47 W.					
5- 4	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
		LOGAN LOWER CANAL--D-902 From Pumpkin Creek--Sec. 7-19-55 W.					
5- 2	1.0	6-22	0.3	7-27	0.0	9- 1	0.0
		McAULIFFE CANAL--D-814 From Lodgepole Creek--Sec. 21-13-45 W.					
5- 9	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
		McHATTON CANAL--A-3560 From Lodgepole Creek--Sec. 7-13-45 W.					
5- 4	0.0	5- 9	0.0	6-23	0.0	8- 9	0.0

MEASUREMENT OF CANALS--Continued
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Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		McINTOSH CANAL--D-351, A-734 From Lodgepole Creek--Sec. 23-15-55 W.					
4-14	3.9	6- 2	2.5	6-28	1.2	8-31	1.7
5-16	.0	6-13	2.3	7-31	4.2	9-15	1.1
		McLAUGHLIN CANAL--D-966 From Lodgepole Creek--Sec. 25-14-48 W.					
5- 3	0.0	6-23	0.0	8- 9	0.0		
		MADSEN PUMP--A-3115 From Mud (Beaver) Creek--Sec. 28-14-16 W.					
7-12	0.5						
		MAHONEY PUMP--A-10052 From Cedar River--Sec. 30-19-7 W.					
7-12	2.2						
		MALMSTEN PUMP--A-7300, A-14528 From Calumus River & North Loup River--Sec. 10-21-16 W.					
7-27	1.3						
		MATTHEW PUMP--A-4820 From Middle Loup River--Sec. 18-24-31 W.					
6-29	0.8						
		MATOUSEK PUMP--A-5500, A-7249 From North Loup River--Sec. 13-15-11 W.					
8- 8	1.3						
		McCULLY PUMP--A-5878 From Middle Loup River--Sec. 10-23-28 W.					
8- 2	0.6						
		McGREW PUMP--D-213, A-1845, A-1948, A-2023, A-2398 From Victoria Canal #2--Sec. 1-19-21 W.					
7-19	1.2						
		MEAD PUMP--A-698, A-699, A-1133, A-1380, A-1508 From Pumpkin Creek--Sec. 1 & 2-19-55 W.					
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0
		MEGLEMERE CANAL--A-294, A-853 From Greenwood Creek--Sec. 3-18-50 W.					
5- 2	0.0	6-22	0.0	7-27	1.7	9- 1	0.8

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.		
		MEYER PUMP--A-3240 From Republican River--Sec. 35-1-7 W.						NELSON PUMP--A-13198 From Cedar River--Sec. 19-17-6 W.							
7-12	5.2					7-18	0.8								
		MISEGADIS PUMP--A-9073 From Lodgepole Creek--Sec. 36-14-48 W.						NEUMAN CANAL--A-611, A-1445 From Lodgepole Creek--Sec. 26-13-45 W.							
5- 3	0.0	6-23	0.0	8- 9	0.0	9-12	0.0	6-23	0.0	8- 9	0.0	9-12	0.0		
		MONROE CANAL--D-506 From Monroe Creek--Sec. 33-33-56 W.						NEUMAN CANAL--A-565 From Lodgepole Creek--Sec. 36-13-45 W.							
10-17	0.0	4-26	0.0	6-21	0.8	8-23	0.4	6-23	0.0	8- 9	0.0	9-12	0.0		
		MONTGOMERY CANAL--D-559 From Sow Belly Creek--Sec. 21-33-55 W.						NIEHUS CANAL--A-550 From Lawrence Fork Creek--Sec. 11-18-52 W.							
9-27	0.0					5- 1	1.3	6-22	0.0	7-27	0.0	9- 1	0.0		
		MORAVEC PUMP--A-10338 From Bell Creek					5- 2	.0	NIELSON CANAL and PUMP--A-6811 From Pumpkin Creek--Sec. 30-19-52 W.						
7-19	0.8					5- 2	2.2	6-22	0.8	7-27	0.5	9- 1	0.6		
		MUTUAL CANAL--D-843, A-4738 From Pumpkin Creek--Sec. 33-19-52 W.						NORE PUMP--A-11434 From Cedar River--Sec. 19-17-6 W.							
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0	7-17	2.1	NORTH PLATTE TERMINAL SPILL Into North Platte River--Sec. 25-14-31 W.					
		MYERS PUMP--D-210, D-212, A-1843 From Victoria Canal #1--Sec. 1-19-21 W.						10- 6	0.0	6-29	0.0	8- 9	0.0	9- 7	0.0
7-19	2.2							5-24	1.4	7-11	.0	8-24	.0	9-14	.0
		NASLUND CANAL--A-661 From Lodgepole Creek--Sec. 1-12-45 W.						6- 5	.0	7-28	.0	8-31	.0		
6-23	0.0	8- 9	0.0	9-12	0.0			NORTH PLATTE CANAL SPILL Into Lincoln County Drain #1--Sec. 26-14-31 W.							
		NELSON CANAL--D-845 From Greenwood Creek--Sec. 33-18-52 W.						10- 6	0.0	6-29	0.0	8- 9	0.0	9- 7	0.0
5- 2	0.0	6-22	3.9	7-27	4.6	9- 1	3.1	5-24	.0	7-11	.0	8-24	.0	9-14	.0
		NELSON PUMP--A-4890 From North Loup River--Sec. 14-15-10 W.						6- 5	.0	7-28	.0	8-31	.0		
7-18	0.6							NORTH PLATTE CANAL SPILL Into Lincoln County Drain #1--Sec. 24-14-31 W.							
		NELSON PUMP--A-12132 From Messenger Creek--Sec. 35-19-13 W.						10- 6	0.0	6-29	19.0	8- 9	10.5	9- 7	21.6
7-17	0.8							5-24	8.4	7-11	.0	8-24	.0	9-14	15.6
								6- 5	14.7	7-28	.0	8-31	.0		

MEASUREMENT OF CANALS--Continued
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Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
OBERFELDER CANAL--D-306 From Lodgepole Creek--Sec. 32-14-46 W.							
5- 4	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
O'CONNELL CANAL--A-2274 From Jim Creek--Sec. 17-33-55 W.							
4-26	0.0	9-27	0.0				
OLSEN PUMP--A-11439 From Pumpkin Creek--Sec. 33-19-53 W.							
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0
OLIVER CANAL--A-1237 From Fawcus Springs--Sec. 24-20-52 W.							
1- 6	1.4						
OLSON PUMP--A-6993 From Cedar River--Sec. 24-17-7 W.							
7-18	3.6						
OSENTOSKI PUMP--A-10222, A-11470 From North Loup River--Sec. 36-19-13 W.							
7-18	1.9						
OASCO CANAL--D-347, A-725 From Lodgepole Creek--Sec. 29-15-55 W.							
4-28	0.0	6-28	0.0	7-31	2.1	9-15	0.0
5-16	.0	7-18	3.2				
PARKS CANAL--A-1202, A-1444, A-1555 From Republican River--Sec. 20-1-39 W.							
4-11	16.9	5- 2	4.9	5-22	1.9		
PATTON PUMP--A-11280 From Republican River--Sec. 3-1-14 W.							
8-24	2.4						
PAULSON PUMP--A-3449 From Loup River--Sec. 12-15-9 W.							
8- 1	1.0						
PAYNE PUMP--A-10755 From North Loup River--Sec. 16-15-10 W.							
7-11	1.6						

MEASUREMENT OF CANALS--Continued
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Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
PAYNE PUMP--A-2178, A-2808 From North Loup River--Sec. 16-15-10 W.							
				7-11	1.1		
PAYNE PUMP--A-2178R, A-6978 From North Loup River--Sec. 15-15-10 W.							
				7-11	1.4		
PEDERSEN PUMP--A-9883 From Middle Loup River--Sec. 29-13-12 W.							
		7-26	2.3				
PENNEY PUMP--A-10420 From North Loup River--Sec. 22-17-12 W.							
				7-10	1.4		
PERSINGER CANAL--D-297 From Lodgepole Creek--Sec. 33-14-46 W.							
		6-23	0.0	8- 9	0.0	9-12	0.0
5- 4	0.0						
PETERS CANAL--D-913 From Pumpkin Creek--Sec. 2-19-56 W.							
		6-22	0.0	7-27	0.0	9- 1	0.0
5- 2	0.0						
PETERS PUMP--A-12964 From North Loup River--Sec. 29-21-17 W.							
				7-28	0.9		
PETERSON PUMP--A-13958 From Bell Creek							
				7-19	0.8		
PETERSEN PUMP--A-14565 From Loup River--Sec. 34-16-7 W.							
				8- 3	0.8		
PLATT PUMP--A-12931 From Lodgepole Creek--Sec. 31-15-57 W.							
		5-16	0.4	7-18	0.0	9-15	0.0
		6-28	.0	8-15	.0		
4-14	0.1						
4-28	.3						
POPP PUMP--A-3881 From Deer Creek--Sec. 8-13-19 W.							
				7-25	1.4		

MEASUREMENT OF CANALS--Continued
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Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		POST PUMP--A-13043 From Republican River--Sec. 8-1-16 W.					
7-10	2.7						
		POSS PUMP--A-10135 From North Loup River--Sec. 18-15-10 W.					
7-11	1.0						
		POSS PUMP--A-13353 From North Loup River--Sec. 18-15-10 W.					
7-11	0.5						
		POTTER PUMP--A-7494 From Republican River--Sec. 34-1-6 W.					
7-12	2.1	7-18	2.2	8-9	1.7		
		PREMIER CANAL--D-340 From Lodgepole Creek--Sec. 3-14-58 W.					
5-16	0.0	6-2	0.0	7-18	0.0		
		PRIMROSE PUMP--A-4037 From Cedar River--Sec. 8-19-8 W.					
7-11	0.4						
		QUAIL PUMP--A-14817 From Mud (Beaver) Creek--Sec. 28-13-15 W.					
7-19	1.1						
		QUINN CANAL--A-1516 From Pumpkin Creek--Sec. 20-19-51 W.					
5-2	0.0	6-22	0.0	7-27	0.0	9-1	0.0
		RANDALL CANAL--A-1100 From Lawrence Fork Creek--Sec. 21-18-52 W.					
5-2	0.0	6-22	0.0	7-27	0.0	9-1	0.0
		RASHER-FORBES CANAL--A-1128 From White River--Sec. 19-23-51 W.					
7-26	0.0						
		RASMUSSEN PUMP--A-12682, A-13470 From Bell Creek					
7-19	2.2						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		REISHER CANAL--A-3221 From Republican River--Sec. 30-1-28 W.					
8-28	2.5						
		RIESSLAND PUMP--A-7788 From South Loup River--Sec. 25-12-17 W.					
7-13	0.9	7-13	2.0				
		RODGERS CANAL--A-3863, A-3777 From Pumpkin Creek--Sec. 9-19-54 W.					
5-2	0.0	6-22	0.0	7-27	0.1	9-1	0.1
		ROTHER PUMP--A-13603 From Spring Creek--Sec. 18-17-9 W.					
8-1	1.4						
		ROWSE PUMP--A-4418 From North Loup River--Sec. 11-21-16 W.					
7-31	0.7						
		ROY PUMP--A-10354 From North Loup River--Sec. 32-18-12 W.					
7-18	1.1						
		RUNGE CANAL NO. 1--D-339 From Lodgepole Creek--Sec. 20-14-50 W.					
5-3	0.0	6-20	0.0	8-9	0.0	9-12	0.0
		RUNYON PUMP--A-2778 From Turkey Creek--Sec. 20-14-11 W.					
7-25	0.6	7-25	0.7				
		RUSSELL PUMP--A-11128 From Loup River--Sec. 25-16-7 W.					
8-3	1.9						
		RUSSELL PUMP--A-13679 From Loup River--Sec. 4-15-7 W.					
8-4	5.1						
		RUSSELL PUMP--A-13955 From Loup River--Sec. 8-15-7 W.					
8-4	0.7						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		RUSSELL PUMP--A-10056 From Loup River--Sec. 5-15-7 W.					
8- 4	2.0						
		RUSSELL PUMP--A-12825 From Loup River--Sec. 3-15-7 W.					
8- 4	0.6						
		RUSSELL PUMP--A-13954 Sec. 8-15-7 W.					
8- 4	2.4						
		RUTTNER CANAL--D-336, A-1645 From Lodgepole Creek--Sec. 31-14-47 W.					
5- 4	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
		RUTTNER CANAL--A-906 From Lodgepole Creek--Sec. 30-14-47 W.					
5- 4	0.0	6-23	0.0	8- 9	0.0	9-12	0.0
		RUTTNER-KINNEY CANAL--D-345, D-350, A-718R, A-1828 From Lodgepole Creek--Sec. 31-15-56 W.					
4-28	0.0	6- 2	0.0	6-28	0.0	8-15	0.0
5-16	.0	6-13	.0	7-18	.0	8-31	.0
		RUTTNER PUMP, NEW--A-857R From Lodgepole Creek--Sec. 33-15-56 W.					
4-28	0.0	6-13	0.0	7-31	0.0	8-31	2.2
5-16	.0	6-28	1.6	8-15	.0	9-15	.0
6- 2	1.8	7-18	.0				
		SAMUELSON PUMP--A-5194 From North Loup River--Sec. 14-15-10 W.					
7-18	1.2						
		SANTIN PUMP--A-10854, A-10855 From Loup River--Sec. 8-15-7 W.					
8- 1	2.4						
		SCHERZBERG PUMP--A-11374 From Calumus River--Sec. 9-23-17 W.					
7-27	1.0						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		SCHILT CANAL--D-509 From Monroe Creek--Sec. 27-33-56 W.					
4-26	2.2						
		SCHNELL CANAL--A-3588 From Pumpkin Creek--Sec. 1-19-56 W.					
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0
		SCHNURLE PUMP--A-4250 From Republican River--Sec. 16-1-16 W.					
7- 9	2.2						
		SCHUDEL PUMP--A-7248 From Mira Creek--Sec. 21-18-12 W.					
8- 1	1.1						
		SCHUDEL PUMP--A-7301 From Kellogg Creek--Sec. 30-18-12 W.					
7-12	0.8						
		SCHUDEL PUMP--A-14539 From North Loup River--Sec. 19-21-10 W.					
7-18	1.4						
		SCOTT CANAL--A-711 From Pumpkin Creek--Sec. 7-19-55 W.					
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0
		SEARS PUMP--A-2117 From Pumpkin Creek--Sec. 25-19-53 W.					
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0
		SHEER PUMP--A-12137 From Dane Creek					
7-19	0.8						
		SIMIC PUMP--A-4222R From Republican River--Sec. 7-1-9 W.					
7-13	3.3	7-19	4.2				
		SINDT PUMP--A-12803 From Republican River--Sec. 15-1-16 W.					
7-24	1.5						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		SINDT PUMP--A-10631 From Republican River--Sec. 6-1-13 W.					
7-12	2.8						
		SMITH PUMP--A-10223 From Cedar River--Sec. 4-16-6 W.					
7-31	1.0						
		SMITH PUMP--A-12883 From Middle Loup River--Sec. 22-22-25 W.					
6-29	2.0						
		SMITH-WHEELER CANAL, NORTH and SOUTH--D-842a, D-842b From Pumpkin Creek--Sec. 26-19-51 W.					
5- 2	2.5	6-22	0.5	7-27	1.2	9- 1	0.0
		SNYDER-BANKS PUMP--A-14272 From Calumus Pump--Sec. 5-22-17 W.					
7-13	1.3						
		SODERQUIST CANAL--A-1237R From Lodgepole Creek--Sec. 2-12-45 W.					
6-23	0.0	8- 9	0.0	9-12	0.0		
		SOW BELLY CANAL, OLD--D-533 From Sow Belly Creek--Sec. 7-32-55 W.					
11-30 4-25	1.2 .8	6-21	0.0	8-23	0.0	9-15	0.0
		SPRAGUE PUMP--A-5676 From Republican River--Sec. 2-1-12 W.					
7-17	0.8						
		SPRAGUE PUMP--A-5528 From Cedar River--Sec. 29-17-6 W.					
7-18	1.8						
		SPRING BRANCH CANAL--D-862, D-893, A-699 From Lawrence Fork Creek--Sec. 11-18-52 W.					
5- 2	0.6	6-22	0.4	7-27	0.0	9- 1	0.4
		STERNS PUMP--A-11129 From Oak Creek--Sec. 35-12-5 E.					
8-31	1.1						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		STEWART-BROWN CANAL--A-743, A-1072 From Wet Spottedtail Creek--Sec. 26-24-56 W.					
8-10	3.6						
		STRATTON PUMP--A-13052 From Owl Creek--Sec. 16-22-57 W.					
4-20 7- 5	0.0 .6	7-25	0.0	8-10	0.6	9- 7	0.8
		STRUEMPLER-JAESCHKE PUMP--A-2051 From Mud (Beaver) Creek--Sec. 21-15-17 W.					
7-11	1.5						
		SUDMAN CANAL and PUMP--A-1483R From Lodgepole Creek--Sec. 22-13-45 W.					
6-23	0.0	8- 9	0.0	9-12	0.0		
		SUMOVICH PUMP--A-9956 From North Loup River--Sec. 3-15-11 W.					
7-11	0.8						
		SUNFLOWER CANAL--A-411R, A-881R From Owl Creek--Sec. 1-22-58 W.					
8-10	0.0						
		SVOBODA PUMP--A-11661 From Middle Loup River--Sec. 24-15-10 W.					
7-11	1.7						
		SWANSON PUMP--A-4208 From Cedar River--Sec. 19-17-6 W.					
7-19	1.6						
		SYSLO PUMP--A-13662 From Cedar River--Sec. 7-16-5 W.					
7-31	1.5						
		THORNTON PUMP--A-5468 From Republican River--Sec. 28-1-7 W.					
7-13	2.5						
		TIBBETTS PUMP--A-5623 From Loup River--Sec. 16-15-8 W.					
8- 1	3.2						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		TOBIN CANAL--D-330 From Lodgepole Creek--Sec. 28-14-47 W.								WAKE PUMP--A-2467 From North Loup River--Sec. 26-21-18 W.			
5- 4	0.0	6-23	0.0	8- 9	0.0	9-12	0.0	7-13	1.3	7-28	2.1		
		TRACY CANAL--A-870 From Lodgepole Creek--Sec. 12-14-59 W.								WAKE PUMP--A-11633 From North Loup River--Sec. 29-21-17 W.			
5-16	0.0	6- 2	0.0	6-13	0.0	7-18	0.0	8- 1	0.9				
		TRAILS END CANAL and NORTH TRAILS END CANAL--A-3453, A-4749 From Pumpkin Creek--Sec. 29-19-52 W.								WAKE PUMP--A-12397 From North Loup River--Sec. 25-21-18 W.			
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0	7-28	3.7				
		TRINNIER CANAL--D-849, A-1551 From Greenwood Creek--Sec. 28-18-50 W.								WARBONNET CANAL--D-548, A-892 From Warbonnet Creek--Sec. 21-33-56 W.			
5- 2	0.0	6-22	2.8	7-27	3.9	9- 1	3.4	4-26	2.3	6-21	0.0	8-23	0.0
		UNICK PUMP--A-11228 From Mud (Beaver) Creek--Sec. 28-16-16 W.								WASSERBURGER PUMP--A-3291 From Hat Creek--Sec. 24-34-55 W.			
6-27	0.9							10-17	0.0	4-25	0.0		
		UZENDOSKI PUMP--A-9053 From Loup River--Sec. 31-16-6 W.								WEARIN CANAL--A-1864 From Lodgepole Creek--Sec. 8-14-58 W.			
8- 3	0.8							5-16	0.0	6- 2	0.0	7-18	0.0
		VACIK PUMP--A-7814 From Lodgepole Creek--Sec. 25-14-48 W.								WEIL PUMP--A-14758 From Middle Loup River--Sec. 9-23-28 W.			
5- 3	0.0	6-23	0.0	8- 9	0.0			6-29	0.8				
		VAN DIEST PUMP--A-2263R From North Loup River--Sec. 32-23-20 W.								WELLS PUMP--A-5451 From North Loup River--Sec. 20-16-11 W.			
6-30	0.6	7-13	1.3	6-28	1.7			7-11	1.6	8- 8	1.6		
		VOSBURGH PUMP--A-4059 From Cedar River--Sec. 13-17-7 W.								WELLS PUMP--A-4061, A-14871 From North Loup River--Sec. 20-16-11 W.			
7-14	5.7							7-12	1.7	7-18	1.2		
		WAGNER PUMP--A-9609 From Loup River--Sec. 9-15-9 W.								WHITE RIVER CANAL--D-447, A-936 From White River--Sec. 34-32-52 W.			
8- 1	1.2							7-26	0.0				
		WAGNER PUMP--A-3912 From Mud (Beaver) Creek--Sec. 34-15-17 W.								WHITNEY PIPE LINE--A-1625 From White River--Sec. 26-32-52 W.			
6-23	1.2							12-22	29.6	3-29	27.5	7-26	0.0
								1-17	11.4	5- 2	.0		9-21 0.0

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		WHITNEY PUMP--A-8492 From Loup River--Sec. 1-15-7 W.					
8- 2	2.2						
		WIEGAND CANAL--A-563 From Lodgepole Creek--Sec. 17-13-45 W.					
5- 9	0.0						
		WILDS CANAL--A-904 From Lodgepole Creek--Sec. 11-13-46 W.					
5- 4	0.0	5- 9	0.0	6-23	0.0	8- 9	0.0
		WILSON PUMP--A-14224 From Munson Creek--Sec. 33-16-11 W.					
7-11	0.7						
		WILSON PUMP--A-14225 From North Loup River--Sec. 34-16-11 W.					
7-11	0.3	7-18	1.0				
		WOLF CANAL--D-813 From Lodgepole Creek--Sec. 18-13-45 W.					
5- 9	0.0	6-23	0.0	8- 9	0.0		
		WOODS PUMP--A-8753 From South Loup River--Sec. 7-13-19 W.					
7-25	2.1						
		WONDERCHECK PUMP--A-13930 From Cedar River--Sec. 11-16-6 W.					
7-31	0.1						
		WRIGHT CANAL--A-3864 From Pumpkin Creek--Sec. 5-19-54 W.					
5- 2	0.0	6-22	0.0	7-27	0.0	9- 1	0.0
		WUNDERLICH PUMP--A-8309 From North Loup River--Sec. 13-15-10 W.					
7-18	1.1						
		WOZNY PUMP--A-14843 From Loup River--Sec. 3-16-5 W.					
7-28	0.1						

MEASUREMENT OF CANALS--Continued
Year Ending September 30, 1978

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		ZIMMERMAN CANAL--A-532, A-4790 From Sow Belly Creek--Sec. 34-33-55 W.					
11-30	0.0	6-21	0.0	9-15	0.0	9-27	0.0
4-25	1.1	8-23	.0				

MISCELLANEOUS DATA

1978

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

	Normal		1978	
	Monthly	Accumulative	Monthly	Accumulative
*MITCHELL STATION, SCOTTSBLUFF COUNTY--ELEVATION 4080				
October	0.79	0.79	0.16	0.16
November	0.33	1.12	0.51	0.67
December	0.29	1.41	0.88	1.55
January	0.25	1.66	0.50	2.05
February	0.24	1.90	0.48	2.53
March	0.56	2.46	0.53	3.06
April	1.31	3.77	1.23	4.29
May	2.63	6.40	4.80	9.09
June	3.41	9.81	No report	
July	1.56	11.37	2.81	
August	1.16	12.53	2.76	
September	1.07	13.60	0.24	
*65-year record				
*BRIDGEPORT STATION, MORRILL COUNTY--ELEVATION 3666				
October	0.83	0.83	0.34	0.34
November	0.38	1.21	0.70	1.04
December	0.34	1.55	0.12	1.16
January	0.35	1.90	0.76	1.92
February	0.29	2.19	1.13	3.05
March	0.72	2.91	0.15	3.20
April	1.42	4.33	1.78	4.98
May	3.10	7.43	6.17	11.15
June	3.67	11.10	1.74	12.89
July	2.40	13.50	4.09	16.98
August	1.38	14.88	1.72	18.72
September	1.42	16.30	0.25	18.95
*80-year record				
*OSKOSH STATION, GARDEN COUNTY--ELEVATION 3393				
October	0.99	0.99	0.00	0.00
November	0.57	1.56	0.63	0.63
December	0.35	1.91	0.16	0.79
January	0.35	2.26	0.58	1.37
February	0.38	2.64	1.17	2.54
March	0.83	3.47	0.14	2.68
April	1.66	5.13	2.07	4.75
May	3.16	8.29	3.66	8.41
June	3.27	11.56	0.64	9.05
July	2.64	14.20	4.26	13.31
August	2.03	16.23	0.33	13.64
September	1.50	17.73	0.10	13.74
*65-year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1978	
	Monthly	Accumulative	Monthly	Accumulative
*NORTH PLATTE STATION, LINCOLN COUNTY--ELEVATION 2775				
October	0.99	0.99	0.18	0.18
November	0.52	1.51	0.39	0.57
December	0.41	1.92	1.22	1.79
January	0.45	2.37	0.52	2.31
February	0.52	2.89	1.98	4.29
March	0.99	3.88	0.40	4.69
April	1.93	5.81	1.96	6.65
May	3.26	9.07	4.84	11.49
June	3.77	12.84	1.75	13.24
July	2.98	15.82	3.70	16.94
August	2.07	17.89	1.92	18.86
September	2.01	19.90	0.33	19.19
*38-year record				
*GOTHEBURG STATION, DAWSON COUNTY--ELEVATION 2565				
October	1.16	1.16	0.30	0.30
November	0.54	1.70	0.45	0.75
December	0.45	2.15	0.83	1.58
January	0.45	2.60	0.46	2.04
February	0.54	3.14	1.48	3.52
March	1.15	4.29	1.17	4.69
April	2.03	6.32	3.48	8.17
May	3.25	9.57	4.30	12.47
June	4.43	14.00	0.85	13.32
July	2.82	16.82	5.04	18.36
August	2.53	19.35	3.74	22.10
September	2.08	21.43	0.22	22.32
*83-year record				
*GRAND ISLAND STATION, HALL COUNTY--ELEVATION 1841				
October	1.08	1.08	0.34	0.34
November	0.61	1.69	1.13	1.47
December	0.56	2.25	0.43	1.90
January	0.52	2.77	0.27	2.17
February	0.76	3.53	1.18	3.35
March	1.18	4.71	0.83	4.18
April	2.47	7.18	6.12	10.30
May	3.78	10.96	1.87	12.17
June	4.40	15.36	0.50	12.67
July	3.00	18.36	2.88	15.55
August	2.54	20.90	3.05	18.60
September	2.51	23.41	1.62	20.22
*86-year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1978	
	Monthly Accumulative		Monthly Accumulative	
*SIDNEY STATION, CHEYENNE COUNTY--ELEVATION 4320				
October	1.03	1.03	0.34	0.34
November	0.49	1.52	0.29	0.63
December	0.39	1.91	0.12	0.75
January	0.30	2.21	1.12	1.87
February	0.32	2.53	0.87	2.74
March	0.88	3.41	0.42	3.16
April	1.64	5.05	1.78	4.94
May	3.27	8.32	4.70	9.64
June	3.56	11.88	1.53	11.17
July	2.53	14.41	2.89	14.06
August	1.79	16.20	1.48	15.54
September	1.35	17.55	0.16	15.70
*50-year record				

*ORD STATION, VALLEY COUNTY--ELEVATION 2070

October	1.41	1.41	2.48	2.48
November	0.63	2.04	1.04	3.52
December	0.65	2.69	0.50	4.02
January	0.62	3.31	0.24	4.26
February	0.86	4.17	1.18	5.44
March	1.40	5.57	1.00	6.44
April	2.25	7.82	4.23	10.67
May	3.39	11.21	2.70	13.37
June	4.33	15.54	5.07	18.44
July	2.68	18.22	3.09	21.53
August	2.64	20.86	4.19	25.72
September	2.39	23.25	0.45	26.17
*87-year record				

*FORT ROBINSON STATION, DAWES COUNTY--ELEVATION 3807

October	1.00	1.00	0.15	0.15
November	0.58	1.58	No report	
December	0.43	2.01	"	"
January	0.43	2.44	0.93	
February	0.50	2.94	No report	
March	0.92	3.86	"	"
April	1.86	5.72	"	"
May	3.59	9.31	"	"
June	3.83	13.14	"	"
July	2.14	15.28	"	"
August	1.47	16.75	"	"
September	1.34	18.09	"	"
*94-year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1978	
	Monthly Accumulative		Monthly Accumulative	
*CULBERTSON STATION, HITCHCOCK COUNTY--ELEVATION 2720				
October	1.31	1.31	0.14	0.14
November	0.64	1.95	0.24	0.38
December	0.49	2.44	0.60	0.98
January	0.47	2.91	0.32	1.30
February	0.53	3.44	0.92	2.22
March	1.07	4.51	0.30	2.52
April	1.84	6.35	1.32	3.84
May	3.26	9.61	3.14	6.98
June	3.46	13.07	0.57	7.55
July	3.32	16.39	2.68	10.23
August	2.46	18.85	2.70	12.93
September	1.92	20.77	0.08	13.01
*90-year record				

*GENOA STATION, NANCE COUNTY--ELEVATION 1590

October	1.38	1.38	2.15	2.15
November	0.58	1.96	1.63	3.78
December	0.70	2.66	0.39	4.17
January	0.47	3.13	0.15	4.32
February	0.90	4.03	1.41	5.73
March	1.20	5.23	0.64	6.37
April	2.42	7.65	6.68	13.05
May	3.78	11.43	2.72	15.77
June	4.80	16.23	2.07	17.84
July	3.26	19.49	3.97	21.81
August	3.07	22.56	3.07	24.88
September	2.68	25.24	0.74	25.62
*102-year record				

*HOLDREGE STATION, PHELPS COUNTY--ELEVATION 2330

October	1.53	1.53	0.86	0.86
November	0.60	2.13	0.80	1.66
December	0.58	2.71	0.46	2.12
January	0.58	3.29	0.33	2.45
February	0.80	4.09	1.12	3.57
March	1.33	5.42	0.60	4.17
April	2.29	7.71	3.39	7.56
May	4.07	11.78	4.35	11.91
June	4.83	16.61	1.18	13.09
July	3.12	19.73	3.27	16.36
August	2.65	22.38	5.24	21.60
September	2.56	24.94	0.20	21.80
*88-year record				

MONTHLY EVAPORATION IN FEET--1978

STATION	May	June	July	Aug.	Sept.	Total
Pathfinder Dam	/	0.834	0.934	0.836	0.746	
Whalen Dam	0.523	0.792	0.848	0.701	0.633	3.497
Bridgeport	0.558	0.752	0.828	0.710	0.688	3.536
Kingsley Dam	/	0.509	0.582	0.421	0.363	
North Platte	0.628	1.013	1.230	0.848	0.929	4.648

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, 1978

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Northport Canal from:								
Akers Draw.....	0	0	500	410	570	790	730	3000
Sheep Creek.....	0	0	3500	3680	4720	6330	5300	23530
Dry Spottedtail Creek....	0	0	0	0	1170	1560	1110	3840
Wet Spottedtail Creek....	0	0	690	960	1020	1410	1770	5850
Tub Springs Creek.....	0	0	990	1430	2530	2770	1870	9590
Enterprise Canal from:								
Dry Spottedtail Creek....	0	0	0	0	0	0	0	0
Morrill Drain.....	0	0	60	60	60	160	170	510
Winter Creek.....	0	0	0	20	70	120	100	310
Tub Springs Creek.....	0	0	0	0	0	0	0	0
Winter Creek Canal from:								
Winter Creek.....	10	0	300	460	1820	3100	2260	7950
Alliance Canal from:								
Bayard Drain.....	80	690	1550	1830	1770	490	1070	7480
Red Willow Creek.....	110	70	380	1190	3180	3510	1940	10380
Totals.....	200	760	7970	10040	16910	20240	16320	72440

DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
Values in Acre-feet
For Water Year Ending September 30, 1978

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
*Bald Drain	140	70	60	60	60	60	60	400	1600	1760	1110	1270	6650
Bayard Sugar Factory Drain	2070	1600	1300	1240	1050	1370	500	1310	1590	2270	3500	2860	20670
†Cleveland Drain	600	260	120	100	130	300	120	370	530	640	590	1010	4770
*DeGraw Drain	190	310	270	120	130	440	210	150	580	560	610	560	4130
†Dugout Creek, Upper	760	560	470	350	250	230	180	2310	1300	1620	1610	2020	11660
*Fairfield Seep	120	70	40	0	0	0	0	30	120	150	180	230	940
*Fanning Seep	0	0	0	0	0	0	0	0	0	0	0	0	0
Gering Drain	2980	2100	1960	1690	1520	1960	1610	3210	7070	7710	7560	8400	47760
Horse Creek	3850	2450	1880	1360	1550	2330	970	6050	13400	10070	8110	12200	64220
†Indian Creek	640	520	470	350	280	340	270	650	910	2440	2580	2220	11670
*Lane Drain	250	180	160	120	110	120	60	60	110	120	140	250	1680
†Melbeta Drain	380	240	160	160	220	220	140	120	130	530	740	970	4010
Nine Mile Drain	8250	6220	5600	5220	4190	4760	4380	5810	6140	11650	13830	13330	89390
Red Willow Creek	7650	5540	4910	4390	3460	4260	3670	10230	8500	9060	9290	12140	83110
*Scottsbluff Drain No. 1	150	210	140	40	150	270	150	40	100	180	260	420	2110
*Scottsbluff Drain No. 2	230	150	120	140	170	180	120	100	150	320	580	770	3030
Sheep Creek	6410	5730	5360	4920	4220	4530	4290	200	150	1390	200	1580	38980
Spottedtail Creek, Dry	1770	1200	900	930	1190	1330	1090	2100	2400	4340	4570	4980	26790
*Spottedtail Creek, Wet	670	770	760	620	580	670	600	710	850	880	860	890	8860
Tub Springs Creek	3270	2550	2170	1990	1530	1780	1540	2320	3580	2710	3120	4200	30760
Winter Creek	3680	3130	2670	2420	2330	2780	2530	2440	2440	3360	3530	4230	35530
Totals	44060	33860	29520	26220	23120	27930	22490	38610	51650	61760	62970	74530	496720

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, 1978

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Guernsey to Whalen	0	0	0	0	0	0	41940	65410	106480	207610	209500	158630	789570
Whalen to State Line	650	0	0	0	0	0	0	9114	18700	31930	31980	21190	113564
State Line to Mitchell	0	0	0	0	0	0	1470	26710	38420	92110	82610	51590	292910
Mitchell to Minatare	3340	100	0	0	0	0	0	1990	7370	14020	16600	12000	55420
Minatare to Bridgeport	3180	0	0	0	0	0	760	8970	16430	23600	22480	16930	92350
Bridgeport to Lisco	1900	0	0	0	0	0	70	480	3920	7680	6630	3930	24610
Lisco to Keystone	3000	0	0	0	0	0	0	3960	10280	6340	6860	5040	35480
Keystone to North Platte	1490	50	0	0	0	0	600	11780	24210	37800	32830	22660	131420
North Platte to Odessa	160	0	0	0	0	0	4230	47810	87150	221830	147990	41650	550820
Total, Guernsey-Odessa	13720	150	0	0	0	0	49070	176224	312960	642920	557480	333620	2086144

SUMMARY
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1978		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Ainsworth	34704	58460	1.68
Alliance	6313	17860	2.83
Bartley	6638	12330	1.86
Beerline	2080	1760	0.85
Belmont	9095	27540	3.03
Birdwood	5287	7860	1.49
Blue Creek	2834	7170	2.53
Browns Creek	6136	11750	1.91
Cambridge	17461	34710	1.99
Castle Rock-Steamboat	6507	17610	2.71
Central	2003	5130	2.56
Champion	950	2050	2.16
Chimney Rock	5269	17540	3.33
Cody-Dillon	4744	6600	1.39
Court House Rock	1489	1970	1.32
Courtland for Nebr lands	1516	2130	1.40
Cozad	25251	31100	1.23
Culbertson	20739	36630	1.77
Dawson County	82866	66170	0.80
Earnest	441	600	1.36
Empire	2164	4990	2.31
Enterprise	7703	22570	2.93
Farwell	51044	115870	2.27
Fort Laramie	105056	326750	3.11
Franklin	11230	27350	2.44
Franklin Pump	2118	2720	1.28
Gering	13106	45700	3.49
**Gothenburg	23266	48810	2.10
Graf	852	1960	2.30
Harris-Neece	1238	1380	1.11
Hooper	872	2490	2.86
Interstate	112449	462820	4.12
**Kearney	7984	12770	1.60
Keith-Lincoln Co.	5968	22200	3.72
Last Chance	442	600	1.36
Lichte	519	310	0.60

SUMMARY
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1978		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Lisco	3908	7890	2.02
McGinley-Stover	695	100	0.14
McLaughlin	500	320	0.64
Meeker-Driftwood	21220	34820	1.64
Meredith-Ammer	380	640	1.68
#Middle Loup PPID No. 1	3812	6940	1.82
#Middle Loup PPID No. 2	6549	7040	1.07
#Middle Loup PPID No. 3	12055	12810	1.06
#Middle Loup PPID No. 4	11450	13630	1.19
Midland-Overland	3066	1960	0.64
Minatare	9372	20930	2.23
Mirage Flats	11669	18410	1.58
Mitchell	13575	17330	1.28
Moore-Kay	400	760	1.90
Naponee	1760	2930	1.66
Nine Mile	6037	14990	2.48
#No. Loup PPID-Taylor Ord	15167	27780	1.83
#No. Loup PPID-Burwell Sumter	8755	15360	1.75
#No. Loup PPID-Ord North Loup	6821	11620	1.70
North Platte	14065	52000	3.70
Northport	16110	75700	4.70
Orchard-Alfalfa	5975	9830	1.65
Paisley	1079	2610	2.42
Paxton-Hershey	7323	18950	2.59
Pioneer	749	700	0.93
Potmesil	618	650	1.05
Ramshorn	1652	40	0.02
Red Willow	4444	9490	2.14
Sargent	13937	28470	2.04
Sheridan-Wilson	918	2270	2.47
Short Line	2752	8500	3.09
Six Mile	1173	1720	1.47
Suburban	5531	21540	3.89

SUMMARY
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

Corrections for the 1977 Report

	Water Year Ending September 30, 1978		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Superior	5907	15180	2.57
Thirty Mile	23422	43710	1.87
**Tri-County	127361	336716	2.62
Tri-State (Farmers Irrig. Dist.)	61756	193780	3.14
Union	1266	3330	2.63
Western	12423	15960	1.28
Winters Creek	5748	11750	2.04

1. Tri-County Canal, Johnson Power Return Page 51
Total Water Returned is 439,000 A.F.
2. Tri-State Canal Page 97
Annual Diversion = 183,580 A.F.
Water Diverted/Acre = 2.97 Feet

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