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STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

HYDROGRAPHIC REPORT

1977

STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

STORAGE IN RESERVOIRS

DAILY DISCHARGE RECORDS OF MISCELLANEOUS
STREAMS AND CANAL DIVERSIONS

1977

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

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HYDROGRAPHIC REPORT 1977

INTRODUCTION

The records of daily diversions of water from streams by canals during the 1977 water year are published in this Hydrographic Report. Also published herein are discharge records for certain Nebraska streams and records of storage in certain Nebraska reservoirs which are not published by the United States Geological Survey. The records are in alphabetical order by 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 federal agencies, the Nebraska Department of Roads and certain local 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 Nebraska Surface Water Records 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 rating flumes located as nearly as possible to the headgates of the canals near the banks of the streams from which the water is diverted. The legal description of the land on which the rating flume is situated is given by section, township and range 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 of one year to September 30th of the following year. Continuous records of flows are obtained through the operation of water stage recorders on each of the diversions from the time the canals are first opened in the spring until they are closed in the fall. The canals are dry during the months or periods for which no record is shown.

The mean daily discharges and diversions are in cubic feet per second, while the monthly and annual totals are in acre-feet. At the foot of each diversion record is listed the acreage intended to be irrigated under the water appropriation, or appropriations, by virtue of which the water is diverted. 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 actually irrigated is sometimes less than that reported because of unforeseen weather and moisture conditions or for other reasons.

Most of the stream pumps and some small canals are not as yet equipped with flow recording devices and accurate daily diversion records for them cannot be computed. However, during times of water shortage, such 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

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

1977

BENNETT RESERVOIR STORAGE IN ACRE-FEET
 A-657, A-1974 on Lodgepole Creek--SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 22-15-55 W.
 Nr. Kimball. 1.1 mile east on Hwy 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, 1977

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2		461	628								325	
3				709								
4											321	
5												
6												
7												
8												
9												
10					818				737			
11												
12												
13												
14				698			1080					
15										430		236
16			640									
17												
18		588										
19											257	
20												
21												
22												
23												
24												
25												
26											257	
27												
28				780	946							
29							1080		593			
30												92
31						1080		848				

BOX BUTTE RESERVOIR STORAGE IN ACRE-FEET
 From Niobrara River--SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-29-49 W.
 Live Storage for Irrigation
 Nr. Dunlap. 5 miles west on paved road
 Water Year Ending September 30, 1977

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						8500				11021	6479	3803
2												
3												
4	1479											
5												
6									14715		5081	
7										9257		
8					7116			13767				
9												
10				5777							4987	
11			4297				12034					
12									14946			
13												4255
14										8083	4716	
15								14216				
16												
17												
18							12744					
19	1943								15009		4829	
20		3258				9491		14329		6653		
21												
22												
23									14350		4492	
24					8188					7198		
25												
26												
27									12970			
28					8446							
29							13374					
30			3735	5276					11351			4813
31	2211			6685		11039		14830		6744	3803	

CRESCENT LAKE STORAGE IN ACRE-FEET
 Head of Blue Creek--NE¼NW¼ 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 Year Ending September 30, 1977

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	---	---	---	682	---	---
2	---	---	---	---	---	---	---	---	---	---	---	412
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	0	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	0	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	412	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	691	---	---	---	---
27	48	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	619	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	502	---	---
30	---	---	---	---	---	---	---	---	---	---	---	178
31	---	---	---	---	---	---	---	---	---	---	---	---

KINGSLEY RESERVOIR STORAGE IN ACRE-FEET
 SW¼ Sec. 3-14-38 W.
 8.8 miles northeast of Hiway 30 in Ogallala on State Hiway 61
 Water Year Ending September 30, 1977

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1218000	1297500	1329500	1369500	1390200	1445200	1506700	1570200	1575800	1512100	1302400	1227400
2	1220300	1300000	1329500	1369500	1392800	1445200	1509400	1570200	1575800	1501800	1297500	1227400
3	1225000	1300000	1332000	1369500	1395400	1447800	1509400	1570200	1573000	1493200	1292600	1227400
4	1229800	1300000	1332000	1369500	1398000	1447800	1512100	1573000	1573000	1489800	1287700	1227400
5	1232200	1302400	1334500	1369500	1400600	1447800	1512100	1573000	1573000	1479700	1282800	1227400
6	1237000	1302400	1337000	1369500	1400600	1447800	1514800	1573000	1573000	1471700	1280400	1227400
7	1239400	1304800	1337000	1369500	1403200	1450500	1514800	1573000	1573000	1463800	1275400	1227400
8	1244200	1304800	1339500	1369500	1403200	1450500	1517500	1575800	1570200	1458400	1270600	1227400
9	1246600	1307300	1342000	1369500	1405800	1453200	1517500	1575800	1570200	1453200	1265800	1225000
10	1251400	1309800	1344500	1369500	1408400	1455800	1520200	1575800	1570200	1445200	1263400	1225000
11	1253800	1309800	1344500	1372000	1411000	1458400	1520200	1578600	1570200	1439900	1258600	1225000
12	1256200	1312200	1347000	1372000	1411000	1461100	1522900	1578600	1570200	1432000	1256200	1222600
13	1261000	1312200	1347000	1372000	1413600	1466400	1525600	1578600	1570200	1424000	1253800	1222600
14	1263400	1314600	1349500	1372000	1413600	1471700	1528300	1581400	1567400	1416200	1253800	1222600
15	1265800	1314600	1352000	1372000	1416200	1474400	1531000	1581400	1564600	1411000	1251400	1220300
16	1268200	1317100	1352000	1372000	1418800	1477000	1533800	1581400	1564600	1405800	1249000	1220300
17	1268200	1317100	1354500	1372000	1421400	1479700	1536600	1581400	1564600	1398000	1246600	1220300
18	1270600	1319600	1354500	1374600	1424000	1482400	1539400	1581400	1561800	1390200	1246600	1220300
19	1270600	1319600	1357000	1374600	1426600	1485100	1542200	1581400	1559000	1382400	1244200	1218000
20	1270600	1322000	1357000	1374600	1429300	1485100	1547800	1581400	1559000	1374600	1244200	1218000
21	1273000	1322000	1359500	1377200	1432000	1487800	1550600	1578600	1556200	1367000	1241800	1218000
22	1275400	1322000	1359500	1377200	1432000	1487800	1553400	1578600	1556200	1359500	1239400	1218000
23	1277900	1322000	1359500	1377200	1434600	1490500	1556200	1578600	1553400	1352000	1239400	1218000
24	1280400	1324500	1362000	1379800	1437200	1490500	1559000	1578600	1550600	1344500	1237000	1215600
25	1282800	1324500	1362000	1379800	1439900	1493200	1561800	1575800	1545000	1339500	1237000	1215600
26	1285200	1327000	1362000	1382400	1439900	1493200	1561800	1578600	1539400	1334500	1234600	1213200
27	1287700	1327000	1364500	1382400	1442600	1495900	1565600	1578600	1539400	1329500	1234600	1213200
28	1287700	1327000	1364500	1385000	1442600	1495900	1564600	1578600	1536600	1324500	1232200	1213200
29	1290200	1329500	1367000	1385000	-----	1501300	1567400	1578600	1528300	1319600	1232200	1213200
30	1292600	1329500	1367000	1387600	-----	1504000	1567400	1578600	1520200	1314600	1229800	1213200
31	1295000	-----	1367000	1387600	-----	1504000	-----	1578600	-----	1309800	1229800	-----

MERRITT RESERVOIR STORAGE IN ACRE-FEET
 From Snake River--NE&NW Sec. 29-31-30 W.
 Nr. Valentine. 26 miles southwest on asphalt road
 Water Year Ending September 30, 1977

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38493	52558	64004	68560	68831	68831	74781	74486	74486	74199	58666	53230
2	38834	53006	64268	68560	68831	68831	74486	74486	74486	73913	57935	53454
3	39516	53230	64797	68560	69110	68831	74486	74486	74486	73626	57452	53678
4	39863	53678	65061	68560	69110	68831	74486	74486	74486	73626	56487	54143
5	40395	54143	65589	68560	69110	68831	74486	74486	74486	73053	55772	54376
6	40749	54609	65853	68831	69110	68831	74486	74486	74486	72480	55074	54608
7	41281	54842	66388	68831	69110	69110	74486	74781	74486	71620	54609	54842
8	41827	55307	66660	68831	69110	69389	74486	74781	74486	70783	53911	55307
9	42380	55540	66931	68560	69110	69668	74486	74781	74486	70226	53454	55540
10	42748	56246	67203	68560	69110	69947	74486	74781	74486	69668	53006	55772
11	43301	56487	67474	68560	69110	70226	74486	74781	74486	69947	52782	56005
12	43684	56970	68017	68560	69110	70783	74486	74781	74486	70226	52782	56246
13	44259	57452	68288	68560	68831	71341	74486	74486	74781	70226	53006	56246
14	44642	57693	68560	68560	68831	71907	74486	74486	74781	70504	53230	56729
15	45025	58176	68560	68831	68831	72193	74486	74486	74781	70226	53006	56970
16	45416	58666	68560	68560	68831	72766	74486	74486	74781	69947	53006	57211
17	45615	58915	68560	68560	68831	73053	74486	74199	74781	69389	53006	57452
18	46213	59414	68560	68560	68560	73340	74486	74199	74781	68831	52782	57693
19	46611	59912	68560	68831	68560	73626	74486	74486	74781	67745	52558	57935
20	47209	60411	68560	68831	68560	74199	74781	74486	74781	66931	52333	58417
21	47623	60660	68560	68831	68560	74486	74781	74486	74781	65853	52333	58666
22	48038	61166	68560	68831	68560	74486	74781	75075	74781	64797	52109	58915
23	48452	61422	68560	69110	68560	74486	74781	75075	74781	64004	51885	59165
24	48867	61679	68560	69110	68831	74781	74781	75075	75075	63476	51885	59663
25	49497	62193	68831	69110	68831	74781	74486	74781	75075	62706	51661	59912
26	49712	62449	68831	69110	68831	75075	74486	74781	74781	62193	51885	60161
27	50359	62706	68831	69110	68831	75075	74486	74781	74781	61679	52109	60660
28	50790	62963	68831	69110	68831	75075	74486	74781	74781	61166	52333	61166
29	51221	63219	68831	69110	-----	75370	74486	74781	74486	60660	52558	61422
30	51661	63476	68831	68831	-----	75370	74486	74781	74486	60161	52782	61936
31	52109	-----	68560	68831	-----	75075	-----	74781	-----	59414	53230	-----

OLIVER RESERVOIR STORAGE IN ACRE-FEET
 From Lodgepole Creek--Sec. 36-15-57W
 Water Year Ending September 30, 1977

No water in storage in Oliver Reservoir during the 1977 water year pending rehabilitation of the dam.

SHERMAN RESERVOIR STORAGE IN ACRE-FEET
From Middle Loup River--SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-16-14 W.
Nr. Loup City. 5/10 mile northeast on asphalt
road, 2.8 miles east, 1 mile north
Water Year Ending September 30, 1977

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33815	50820	48272	46920	45367	44503	46920	64857	69365	66246	32403	38914
2	34727	50820	48272	46698	45367	44503	48501	65134	69365	64584	31196	39711
3	35646	50820	48272	46698	45367	44503	49191	65404	69365	62944	30116	40521
4	36403	50584	48042	46698	45367	44287	49880	65685	69365	61607	29036	41331
5	37348	50584	48042	46475	45367	44287	50347	65965	69365	60012	28231	42168
6	38327	50584	48042	46475	45367	44287	51057	66246	69365	57945	27602	42795
7	39110	50347	48042	46475	45151	44287	51768	66527	69365	55921	27444	43423
8	40116	50347	48042	46475	45151	44287	52478	67088	69076	53941	27444	44071
9	40926	50347	48042	46475	45151	44287	53210	67369	69076	52722	27759	44935
10	41749	50347	47812	46475	45151	44071	53941	67369	69076	52004	28231	45583
11	42586	50110	47812	46252	45151	44071	54429	67650	69076	51768	28546	46252
12	43423	50110	47812	46252	45151	44071	54917	67930	69076	51531	28873	46920
13	44287	50110	47812	46252	44935	44071	55670	68211	69076	51531	29199	47812
14	45151	50110	47812	46252	44935	44071	57177	68211	69076	51768	29526	48731
15	46209	49880	47589	46252	44935	44071	57945	68211	69076	51768	29689	49421
16	46920	49880	47589	46029	44935	43855	58720	68499	69076	51768	30116	50110
17	47589	49880	47589	46029	44935	43855	59237	68499	69076	51531	30518	50820
18	48272	49880	47589	46029	44935	43855	60012	68788	69365	51294	30857	51531
19	49191	49650	47366	46029	44935	43855	60554	68788	69365	49880	31196	52004
20	49880	49650	47366	45806	44719	43855	61342	69076	69365	48042	31535	52478
21	50347	49650	47366	45806	44719	43855	62139	69076	69365	46252	32050	53210
22	50820	49650	47366	45806	44719	43855	62404	69365	69365	44287	32402	53698
23	51057	49421	47366	45806	44719	43855	62671	69365	69365	42795	32929	54429
24	51057	49421	47143	45806	44719	43855	62944	69365	69365	41331	33457	54673
25	51057		47143	45806	44719	43855	63218	69365	69365	40116	33998	54673
26	51057		47143	45583	44503	43855	63491	69365	69365	38914	34545	54673
27	51057		47143	45583	44503	44287	63764	69365	69076	37740	35092	54673
28	51057		47143	45583	44503	44719	64038	69365	69076	36592	35835	54673
29	51057	48731	46920	45583	-----	45367	64311	69365	68499	35646	36592	54673
30	50820	48731	46920	45583	-----	46029	64584	69365	67650	34545	37348	54673
31	50820	-----	46920	45583	-----	46475	-----	69365	-----	33281	38131	-----

SUTHERLAND RESERVOIR SYSTEM
Combined Storage in Sutherland and Regulator Reservoirs
Live and Storage for Power in Acre-feet--NE $\frac{1}{4}$ Township 13 N., Ranges 30 and 33 W.
Water Year Ending September 30, 1977
Nr. Sutherland. 4 $\frac{1}{2}$ miles southeast of Hiway 30, 1/4 mile west, on canal road,
left bank of canal

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8980	6909	12247	13939	16391	14493	26890	36392	57075	70416	59326	43243
2	8980	6909	12358	14117	16284	14544	27518	36727	59185	69942	58589	42822
3	8816	6762	12944	14123	16177	14214	27851	37268	61192	68470	57738	42354
4	8806	6762	13256	13933	16149	14164	27870	37886	62390	68671	57767	41985
5	8806	6614	13320	13891	16225	14105	27837	38477	63578	68641	58123	41493
6	8623	6614	13833	14111	16264	14008	27734	39070	64121	68553	57931	41253
7	8679	6467	13839	14086	16264	14314	27613	39838	64230	68466	57740	40987
8	8526	6467	14045	14098	16322	15169	27462	40262	64462	68908	57576	40153
9	8526	6391	13961	14067	16391	16375	27586	40641	64460	69351	57658	40795
10	8359	6229	14309	13943	16421	17082	27693	40945	64632	70416	57277	40385
11	8359	6229	14465	13962	16745	16962	27595	41354	64543	71518	56045	40350
12	8338	6275	14626	13974	16867	16958	27863	41294	65006	71977	56462	40128
13	8185	6128	13793	14369	17011	16713	28060	41812	64976	72103	55572	40675
14	8109	6128	14813	14550	17455	16736	28499	42554	65178	72254	54100	40477
15	8033	6087	14806	14530	17476	16881	29012	42949	65728	71863	53796	40477
16	8033	6087	14974	14304	17468	17050	29356	43220	66512	70726	53887	40675
17	7885	6097	14980	14464	17460	17405	29821	43865	66978	69356	53687	40843
18	7885	6282	15154	14717	17142	17837	30288	44687	68264	68972	53206	40945
19	7702	6872	15122	14846	16801	18823	31135	45313	68766	67591	52353	40945
20	7702	7422	14994	15084	16616	19419	32302	46144	69474	66193	51309	41191
21	7529	8172	14968	15140	16434	20067	33017	47379	69097	65612	50301	41191
22	7529	9184	15117	15338	16249	20478	33940	48037	70215	65556	49168	41167
23	7371	10428	15117	15619	16105	21065	34426	48706	70845	67194	47954	41167
24	7366	11152	15040	15652	15853	21717	35039	49279	71527	66425	47175	40999
25	7366	11584	15059	15849	15384	22580	37748	49918	72302	66454	47110	41149
26	7214	12223	15072	15794	15255	23350	35928	50237	72747	65990	46932	41324
27	7209	12181	15110	15831	15024	24346	36016	50914	73071	64373	46273	41570
28	7219	12213	15130	15776	14753	25693	35928	51228	71762	63283	45642	41805
29	7066	12082	15040	15851	-----	26475	36147	52306	70781	62458	44989	42312
30	6914	12149	14504	16119	-----	26824	36279	53448	70390	61189	44513	42386
31	6914	-----	14318	16267	-----	27016	-----	54914	-----	60439	43764	-----

WHITNEY RESERVOIR STORAGE IN ACRE-FEET
From White River--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-33-51 W.
Nr. Whitney, 2 miles west on county road
Water Year Ending September 30, 1977

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	----	----	----	----	----	----	----	----	----	----	----	----
2	----	----	----	----	----	----	----	----	----	----	----	----
3	----	----	----	----	----	----	----	----	----	----	----	----
4	----	----	----	----	----	----	----	----	----	----	----	----
5	----	----	----	----	----	----	----	----	----	----	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----
7	----	----	----	----	----	----	9440	----	----	----	----	----
8	----	----	----	----	----	----	----	----	9940	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----
10	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	6260	----	----
12	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	----	----	----	----	----	----	----
15	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	6110	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----
22	----	3960	----	----	7470	----	----	----	----	5360	----	----
23	----	----	----	----	----	----	----	----	----	----	----	----
24	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----
26	----	----	----	----	----	----	10210	----	----	----	----	4080
27	----	----	----	----	----	----	----	----	----	----	----	----
28	----	----	----	----	----	----	----	----	----	----	----	----
29	----	----	----	----	----	----	----	----	----	----	----	----
30	----	----	----	----	----	----	----	----	----	----	----	----
31	----	----	----	----	----	----	----	----	----	----	----	----

DISCHARGE IN SECOND-FEET OF AKERS DRAW INTO TRI-STATE CANAL
NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-23-57 W.--Water Year Ending September 30, 1977
Nr. Morrill, 1 mile east from Hwy 26 & Junction 79B Spur,
9/10 mile north, no gage

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	11	11	8	8	7	10	11	9	7	8	6
2	12	11	11	8	8	7	10	10	9	8	8	6
3	12	11	10	8	8	7	10	10	9	8	8	6
4	12	11	10	8	8	8	10	10	9	8	8	6
5	12	11	10	8	8	8	10	9	9	8	8	6
6	12	11	10	8	8	8	11	9	9	9	8	6
7	12	11	10	8	8	8	11	8	9	9	8	7
8	12	11	10	8	8	8	11	8	9	9	8	7
9	12	11	10	8	7	8	11	8	9	10	8	7
10	12	11	10	8	7	8	11	8	9	10	8	7
11	12	11	10	8	7	8	11	8	9	10	8	7
12	12	11	9	8	7	8	12	8	9	10	8	7
13	12	11	9	8	7	9	12	8	9	10	9	7
14	11	11	9	8	7	9	12	8	9	10	9	7
15	11	11	9	8	7	9	12	8	8	10	10	7
16	11	11	9	8	7	9	12	8	8	10	10	7
17	11	11	9	8	7	9	12	8	8	10	10	8
18	11	11	9	8	7	9	12	8	8	9	11	8
19	11	11	9	8	7	9	13	8	8	9	11	8
20	11	11	8	8	7	9	13	8	8	9	12	9
21	11	11	8	8	7	9	13	8	8	9	12	9
22	11	11	8	8	7	10	13	8	7	8	12	10
23	11	11	8	8	7	10	13	8	7	8	11	10
24	11	11	8	8	7	10	13	8	7	8	10	10
25	11	11	8	8	7	10	13	8	7	8	10	11
26	11	11	8	8	7	10	13	8	7	8	9	11
27	11	11	8	8	7	10	13	8	7	8	8	11
28	11	11	8	8	7	10	12	8	7	8	8	11
29	11	11	8	8	-	10	12	8	7	8	7	11
30	11	11	8	8	-	10	11	8	7	8	6	11
31	11	--	8	8	-	10	--	8	-	8	6	--
S. F.	354	330	280	248	204	274	352	259	245	272	277	244
Mean	11	11	9	8	7	9	12	8	8	9	9	8
Max.	12	11	11	8	8	10	13	11	9	10	12	11
Min.	11	11	8	8	7	7	10	8	7	7	6	6
A. F.	700	650	560	490	400	540	700	510	490	540	550	480
Total acre-feet	6610 A. F.											

DISCHARGE IN SECOND-FEET OF BUFFALO CREEK
NEAR ELM CREEK--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-8-18 W.
West edge of city limits from Hiway 30,
1.4 miles south on Hiway 183
Water Year Ending September 30, 1977

Date	May	June	July	Aug.	Sept.
1	0	18	35	20	53
2	0	15	35	20	51
3	0	15	18	18	61
4	0	8	6	26	60
5	0	8	2	29	59
6	0	8	0	27	53
7	0	8	0	27	51
8	0	4	0	34	49
9	0	1	0	34	50
10	0	4	1	33	51
11	0	11	1	39	51
12	0	11	0	44	52
13	0	11	6	45	40
14	0	11	6	47	20
15	0	11	0	48	19
16	12	11	0	47	17
17	43	11	3	38	19
18	68	12	6	37	14
19	38	12	8	41	11
20	36	15	0	41	11
21	20	8	0	41	2
22	45	20	0	41	2
23	72	20	0	49	0
24	106	15	0	57	0
25	120	20	0	69	0
26	85	16	14	79	0
27	32	34	15	63	0
28	14	33	17	67	0
29	24	21	8	67	0
30	35	35	13	58	0
31	16	--	13	51	--
S.F.	766	427	207	1337	795
Mean	25	14	7	43	26
Max.	120	35	35	79	61
Min.	0	1	0	18	0
A.F.	1520	850	410	2650	1580

DISCHARGE IN SECOND-FEET OF CEDAR CREEK NEAR
BROADWATER--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 11-18-48 W.
1.1 miles south on Hiway 92 to junction, 3/10
mile south on county road
Water Year Ending September 30, 1977

Date	May	June	July	Aug.	Sept.
1	10	6	3	1	11
2	10	6	2	1	11
3	10	7	2	1	11
4	10	10	1	1	11
5	10	12	1	1	11
6	10	7	2	1	9
7	11	7	1	1	7
8	12	7	1	1	8
9	10	12	5	1	10
10	10	17	25	2	9
11	10	16	10	2	8
12	10	16	6	1	9
13	10	18	3	1	9
14	10	14	2	1	10
15	10	15	2	2	10
16	10	12	2	1	8
17	10	8	2	1	8
18	10	8	1	1	7
19	6	7	1	1	7
20	6	7	1	1	8
21	6	10	1	1	7
22	7	7	1	1	8
23	6	7	1	1	7
24	6	7	1	1	9
25	6	6	2	2	11
26	19	6	1	3	12
27	24	5	3	5	12
28	17	4	1	7	12
29	10	4	1	10	12
30	10	3	1	11	6
31	10	--	1	11	--
S.F.	314	272	87	76	278
Mean	10	9	3	2	9
Max.	24	18	25	11	12
Min.	6	3	1	1	6
A.F.	620	540	170	150	550

DISCHARGE IN SECOND-FEET OF CLEVELAND DRAIN
NEAR BAYARD--SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-20-52 W.
2.5 miles west on Hiway 92 from junction, at
railroad bridge
Water Year Ending September 30, 1977

Date	May	June	July	Aug.	Sept.
1	1	5	12	13	13
2	1	8	3	10	13
3	1	7	12	13	12
4	13	7	19	16	11
5	2	8	0	17	10
6	5	8	0	26	11
7	5	6	6	23	8
8	5	7	4	20	10
9	5	8	3	21	10
10	5	10	1	20	11
11	6	8	0	20	11
12	6	10	7	13	11
13	5	12	5	9	11
14	5	14	3	9	5
15	6	12	1	9	0
16	7	11	9	9	0
17	10	13	9	9	0
18	24	13	9	9	6
19	10	14	6	11	11
20	6	14	12	15	13
21	13	11	19	13	15
22	12	8	14	11	13
23	12	8	19	8	13
24	8	11	14	10	13
25	7	2	14	11	14
26	7	10	16	9	14
27	6	21	12	11	16
28	7	13	13	11	16
29	6	20	17	11	15
30	4	20	13	9	15
31	7	--	13	11	--
S.F.	217	319	285	407	322
Mean	7	11	9	13	11
Max.	24	21	19	26	16
Min.	1	2	0	8	0
A.F.	430	630	570	810	640

DISCHARGE IN SECOND-FEET OF COLD WATER CREEK
NEAR LISCO--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-18-46 W.
6/10 mile east on Hiway 26, on downstream end
of bridge
Water Year Ending September 30, 1977

Date	May	June	July	Aug.	Sept.
1	3	3	0	0	0
2	3	2	0	0	0
3	3	2	0	0	0
4	3	2	0	0	0
5	5	2	0	0	0
6	3	2	0	0	0
7	3	3	0	0	0
8	3	2	0	0	0
9	3	3	0	0	0
10	3	3	0	0	0
11	3	2	0	0	0
12	3	2	0	0	0
13	3	2	0	0	0
14	3	2	0	0	0
15	3	2	0	0	0
16	3	1	0	0	0
17	3	1	0	0	0
18	3	1	0	0	0
19	2	1	0	0	0
20	2	1	0	0	0
21	2	1	0	0	0
22	3	1	0	0	0
23	3	1	0	0	0
24	3	1	0	0	0
25	2	0	0	0	0
26	3	0	0	0	0
27	3	0	0	0	0
28	2	0	0	0	0
29	2	0	0	0	0
30	2	0	0	0	0
31	2	--	0	0	--
S.F.	85	43	0	0	0
Mean	3	1	0	0	0
Max.	3	3	0	0	0
Min.	2	0	0	0	0
A.F.	170	90	0	0	0

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, 1977

Date	May	June	July	Aug.	Sept.
1	0	28	4	2	3
2	0	10	4	3	4
3	0	4	2	3	4
4	0	6	2	5	2
5	0	4	1	4	1
6	0	4	1	5	1
7	0	3	2	4	1
8	0	0	3	1	1
9	0	2	1	2	1
10	0	5	1	1	1
11	0	4	1	3	1
12	0	5	1	2	0
13	0	5	0	2	0
14	0	4	0	0	0
15	0	7	0	1	0
16	0	6	1	0	0
17	4	5	2	3	0
18	3	4	1	2	0
19	3	5	0	1	0
20	0	6	1	0	0
21	2	7	1	0	0
22	15	8	0	0	0
23	21	8	1	0	0
24	5	7	0	5	0
25	17	6	0	6	0
26	1	6	0	113	0
27	1	7	0	13	0
28	7	7	0	1	0
29	24	6	0	4	0
30	26	5	0	2	0
31	59	-	0	3	-
S. F.	188	184	29	191	20
Mean	6	6	1	6	1
Max.	59	28	4	113	4
Min.	0	0	0	0	0
A. F.	370	360	60	380	40

DISCHARGE IN SECOND-FEET OF DAWSON COUNTY
DRAIN NO. 2--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 25-10-23 W.
Nr. Darr. 7/10 mile south on county road,
on right side of road
Water Year Ending September 30, 1977

Date	May	June	July	Aug.	Sept.
1	4	9	8	10	5
2	4	8	8	16	6
3	5	8	9	14	6
4	5	7	9	14	5
5	4	8	10	13	5
6	4	7	12	16	4
7	10	6	11	15	4
8	6	6	12	14	3
9	5	8	11	15	4
10	4	7	17	15	5
11	5	8	13	15	4
12	5	7	11	15	4
13	5	7	13	15	3
14	4	6	13	15	5
15	5	6	13	12	4
16	6	6	12	10	4
17	4	6	13	12	4
18	4	6	12	12	3
19	100	6	11	12	3
20	11	7	10	13	3
21	100	6	14	12	4
22	45	7	17	12	3
23	20	7	14	11	3
24	13	7	9	11	3
25	10	7	13	13	3
26	10	7	13	8	3
27	9	7	15	6	3
28	9	7	15	5	3
29	9	7	14	4	3
30	26	9	13	4	3
31	10	-	11	5	-
S. F.	461	210	376	364	115
Mean	15	7	12	12	4
Max.	100	9	17	16	6
Min.	4	6	8	4	3
A. F.	910	420	750	720	230

DISCHARGE IN SECOND-FEET OF DUGOUT CREEK, UPPER
NEAR NORTHPORT--SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 20-20-50 W.
7/10 mile northwest on Hiway 385, Staff 50 feet
above bridge
Water Year Ending September 30, 1977

Date	May	June	July	Aug.	Sept.
1	3	12	34	35	37
2	3	12	26	18	42
3	3	16	23	14	40
4	4	15	32	12	38
5	15	14	28	18	42
6	26	8	8	20	41
7	37	8	8	23	36
8	47	12	4	26	31
9	57	11	21	26	46
10	47	18	38	26	38
11	48	18	38	14	29
12	17	19	42	13	30
13	19	19	34	20	32
14	23	53	32	26	32
15	28	25	15	29	32
16	32	26	11	30	30
17	26	19	7	30	26
18	20	24	55	26	22
19	25	30	28	32	24
20	15	20	31	24	24
21	18	21	38	15	26
22	20	56	34	14	25
23	8	32	31	33	26
24	22	26	28	32	39
25	6	24	25	32	52
26	6	22	14	32	33
27	15	7	36	33	31
28	16	6	32	33	25
29	16	4	41	24	19
30	17	54	38	30	16
31	12	--	35	41	--
S. F.	651	631	867	781	964
Mean	21	21	28	25	32
Max.	57	56	55	41	52
Min.	3	4	4	12	16
A. F.	1290	1250	1720	1550	1910

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, 1977

Date	May	June	July	Aug.	Sept.
1	34	41	22	19	18
2	35	35	20	19	18
3	46	32	21	20	18
4	38	30	21	18	19
5	34	29	20	18	19
6	32	36	20	22	18
7	36	30	20	20	18
8	38	29	34	19	18
9	33	27	26	18	18
10	31	27	44	19	19
11	30	26	29	20	18
12	30	32	26	21	18
13	29	25	23	20	18
14	27	27	22	19	18
15	27	27	22	20	18
16	27	25	20	19	18
17	26	25	20	19	18
18	26	27	20	18	18
19	31	27	19	19	18
20	27	26	16	19	17
21	52	27	20	20	18
22	90	25	19	20	18
23	49	25	19	20	18
24	40	25	19	20	18
25	35	24	19	22	18
26	39	24	19	19	18
27	36	23	19	19	18
28	34	22	19	18	18
29	33	23	20	20	18
30	122	22	19	19	20
31	64	--	17	19	--
S. F.	1231	823	674	602	544
Mean	40	27	22	19	18
Max.	122	41	44	22	20
Min.	26	22	16	18	17
A. F.	2440	1630	1340	1190	1080

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, 1977

Date	May	June	July	Aug.	Sept.
1	8	23	13	50	36
2	8	14	13	27	32
3	2	25	13	19	36
4	4	19	34	31	39
5	1	13	42	14	36
6	1	23	31	18	35
7	1	21	26	24	32
8	1	4	18	28	32
9	1	8	21	46	29
10	27	4	24	44	24
11	9	18	10	46	20
12	8	31	6	44	19
13	8	14	32	36	19
14	8	35	18	29	26
15	7	13	18	26	24
16	12	11	24	17	27
17	31	22	30	8	28
18	26	27	1	34	29
19	15	32	1	42	30
20	36	41	2	40	21
21	24	31	14	39	23
22	11	31	23	34	23
23	5	37	24	8	23
24	9	38	26	6	23
25	15	28	34	21	23
26	1	18	33	21	26
27	26	18	8	25	23
28	14	18	61	29	21
29	8	28	16	34	21
30	19	19	34	32	21
31	23	--	53	31	--
S.F.	364	664	703	903	801
Mean	12	22	23	29	27
Max.	36	41	61	50	39
Min.	1	4	1	6	19
A.F.	720	1320	1390	1790	1590

DISCHARGE IN SECOND-FEET OF LODGEPOLE CREEK
ABOVE BENNETT RESERVOIR--NW $\frac{1}{4}$ 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, 1977

Date	May	June	July	Aug.	Sept.
1	7.5	0.2	0	0	0
2	7.3	0.2	0	0	0
3	7.0	0.2	0	0	0
4	6.7	0.2	0	0	0
5	6.5	0.2	0	0	0
6	6.2	0.1	0	0	0
7	6.0	0.1	0	0	0
8	5.7	0.1	0	0	0
9	5.4	0.1	0	0	0
10	5.2	0.1	0	0	0
11	4.9	0.1	0	0	0
12	4.7	0.1	0	0	0
13	4.4	0.1	0	0	0
14	4.1	0.1	0	0	0
15	3.9	0.1	0	0	0
16	3.6	0.1	0	0	0
17	3.4	0.1	0	0	0
18	3.1	0.1	0	0	0
19	2.9	0.1	0	0	0
20	2.7	0	0	0	0
21	2.4	0	0	0	0
22	2.2	0	0	0	0
23	2.0	0	0	0	0
24	1.8	0	0	0	0
25	1.5	0	0	0	0
26	1.3	0	0	0	0
27	1.1	0	0	0	0
28	0.8	0	0	0	0
29	0.6	0	0	0	0
30	0.4	0	0	0	0
31	0.2	--	0	0	--
S.F.	115.5	2.4	0	0	0
Mean	3.7	0	0	0	0
Max.	7.5	0.2	0	0	0
Min.	0.2	0	0	0	0
A.F.	230	5	0	0	0

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, 1977

Date	May	June	July	Aug.	Sept.
1	6	4	3	1	0
2	6	4	3	1	0
3	6	4	3	1	0
4	6	4	3	1	0
5	6	3	3	1	0
6	6	3	3	1	0
7	6	3	3	1	0
8	6	2	4	1	0
9	6	2	4	1	0
10	6	2	4	1	0
11	5	2	4	1	0
12	5	2	4	1	0
13	5	2	4	1	0
14	5	2	4	1	0
15	5	2	4	1	0
16	5	2	4	1	0
17	5	2	4	1	0
18	5	2	4	1	0
19	5	2	4	1	0
20	5	2	3	1	0
21	4	3	3	1	0
22	4	3	3	1	0
23	4	3	3	0	0
24	4	3	3	0	1
25	4	3	2	0	1
26	4	3	2	0	1
27	4	3	2	0	1
28	4	3	2	0	1
29	4	3	1	0	1
30	4	3	1	0	1
31	4	--	1	0	--
S.F.	154	81	95	22	7
Mean	5	3	3	1	0
Max.	6	4	4	1	1
Min.	4	2	1	0	0
A.F.	310	160	190	40	10

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 530
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, 1977

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

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, 1977

Date	May	June	July	Aug.	Sept.
1	89	1180	1230	1460	102
2	98	188	1340	1410	100
3	118	108	1520	1430	100
4	112	95	1640	1290	95
5	93	89	1600	1230	93
6	85	85	1720	1190	93
7	87	85	1640	1040	93
8	87	79	1970	867	93
9	85	77	2120	734	89
10	81	75	2570	692	89
11	75	75	2370	704	91
12	77	73	1910	632	93
13	73	71	1640	398	93
14	71	73	1420	464	91
15	69	73	1520	504	91
16	67	67	1420	384	93
17	67	69	1420	334	93
18	65	73	1410	295	93
19	69	100	1460	280	89
20	71	75	1470	270	87
21	129	77	1610	256	87
22	165	79	1640	236	87
23	129	95	1590	188	87
24	102	91	1500	153	81
25	77	81	1470	177	81
26	79	75	1430	147	83
27	61	87	1400	159	85
28	57	204	1450	188	123
29	53	704	1460	204	108
30	240	1050	1460	115	115
31	858	---	1390	108	---
S. F.	3579	5353	49790	17539	2798
Mean	115	178	1606	566	93
Max.	848	1180	2570	1460	123
Min.	53	67	1230	108	81
A. F.	7100	10620	98760	34790	5550
Total acre-feet (5 month)-156820 A.F.					

DISCHARGE IN SECOND-FEET OF STREVER CREEK
NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1-8-20 W.
Nr. Overland, 2.8 miles south on off road
connecting Hiway 30 and I-80
Water Year Ending September 30, 1977

Date	May	June	July	Aug.	Sept.
1	6	78	16	36	15
2	6	54	13	33	40
3	28	43	13	39	46
4	10	38	7	38	39
5	10	36	7	37	35
6	8	34	17	43	35
7	7	33	13	42	36
8	31	33	16	40	35
9	37	34	19	42	35
10	20	33	22	40	34
11	13	31	28	38	31
12	11	30	25	46	28
13	8	29	21	48	30
14	8	30	18	48	29
15	8	30	16	50	26
16	110	29	20	47	16
17	80	30	29	43	14
18	28	30	32	22	6
19	23	30	22	53	4
20	67	31	22	52	7
21	106	28	20	55	8
22	220	33	21	52	5
23	255	28	25	48	4
24	266	24	29	57	3
25	220	23	28	58	2
26	91	23	33	82	2
27	55	18	32	59	5
28	53	24	30	53	4
29	81	29	30	50	4
30	64	30	36	19	4
31	62	---	34	16	---
S. F.	1992	976	694	1386	582
Mean	64	33	22	45	19
Max.	266	78	36	82	46
Min.	6	18	7	16	2
A. F.	3950	1940	1380	2750	1150

DISCHARGE IN SECOND-FEET OF SILVERMAIL 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, 1977

Date	May	June	July	Aug.	Sept.
1	4	18	21	12	33
2	5	10	19	8	33
3	5	9	18	22	36
4	5	8	20	11	39
5	5	8	7	14	38
6	5	6	7	16	38
7	5	10	19	20	32
8	5	22	14	28	29
9	5	22	15	13	28
10	5	60	17	10	25
11	5	30	22	12	23
12	5	22	19	21	29
13	6	21	11	16	19
14	8	21	8	14	18
15	10	21	7	19	13
16	12	21	10	40	13
17	14	18	24	18	15
18	17	22	20	8	19
19	12	32	15	6	23
20	17	20	21	15	23
21	10	15	12	22	18
22	7	33	8	29	14
23	9	35	8	21	17
24	11	11	9	18	20
25	9	11	35	26	24
26	12	12	24	32	22
27	17	7	24	33	20
28	18	9	28	34	16
29	19	10	33	36	13
30	25	10	20	42	13
31	18	---	15	38	---
S. F.	310	554	530	654	703
Mean	10	18	17	21	23
Max.	25	60	35	42	39
Min.	4	6	7	6	13
A. F.	610	1100	1050	1300	1390

DISCHARGE IN SECOND-FEET OF WHITE HORSE CREEK
NEAR NORTH PLATTE--SW $\frac{1}{4}$ Sec. 5-13-29 W.
3.4 miles west on Hiway 30, on upstream side
of bridge
Water Year Ending September 30, 1977

Date	May	June	July	Aug.	Sept.
1	20	62	3	6	9
2	33	55	3	6	7
3	65	52	3	6	7
4	51	29	4	6	7
5	35	23	4	6	7
6	28	17	4	8	6
7	28	14	16	10	6
8	28	14	41	9	6
9	28	14	28	8	6
10	20	12	43	6	6
11	20	13	36	7	6
12	20	13	26	8	6
13	14	14	19	8	6
14	16	14	16	9	5
15	14	13	8	10	4
16	13	13	4	8	4
17	12	11	4	8	5
18	19	13	4	8	5
19	20	12	3	9	5
20	20	11	7	9	4
21	32	11	7	8	4
22	54	11	7	7	6
23	76	9	9	9	5
24	56	8	8	7	6
25	30	8	8	7	5
26	28	8	7	11	5
27	27	6	7	8	5
28	23	4	8	7	5
29	41	4	7	7	6
30	58	4	7	7	8
31	73	---	7	8	---
S. F.	1002	492	358	241	172
Mean	32	16	12	8	6
Max.	76	62	43	11	9
Min.	12	4	3	6	4
A. F.	1990	980	710	480	340

DAILY DIVERSION OF CANALS 1977

DAILY DIVERSIONS OF CANALS--1977
 AINSWORTH CANAL From Snake River and Merritt
 Reservoir--Measured through 15-foot Parshall Flume
 NW¼NE¼ Sec. 29-31-30 W.
 1/10 mile downstream from Merritt Reservoir outlet works

Date	May	June	July	Aug.	Sept.
1	0	50	260	548	98
2	0	50	323	557	94
3	0	50	315	557	76
4	0	50	328	557	78
5	0	50	415	543	78
6	0	67	532	523	69
7	0	79	569	513	50
8	0	79	596	506	50
9	0	85	580	477	57
10	0	101	106	382	66
11	0	101	96	257	68
12	0	101	96	208	70
13	0	82	112	209	70
14	0	66	176	216	57
15	61	55	303	236	50
16	78	53	439	268	50
17	70	52	479	317	51
18	48	51	598	337	51
19	40	51	624	303	51
20	41	51	634	301	51
21	41	51	634	308	52
22	41	51	620	330	41
23	40	51	610	301	5
24	39	51	601	283	0
25	39	51	500	230	0
26	27	51	428	169	0
27	20	64	443	125	0
28	20	88	474	112	0
29	20	127	479	112	0
30	20	178	516	103	0
31	38	---	523	98	-
S.F.	683	2087	13409	9986	1383
Mean	22	70	432	322	46
Max.	78	178	634	557	98
Min.	0	50	96	98	0
A.F.	1350	4140	26600	19810	2740

Water diverted 54640 A.F.
 Acreage reported A-5218-35051; A-9660-Supp; A-10620-Supp; A-13853-165; Total-35216

DAILY DIVERSIONS OF CANALS--1977
 ALLIANCE CANAL from Bayard Sugar Factory Drain
 Measured through Parshall flume--SW¼NW¼ 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--NW¼SW¼ Sec. 6-20-51 W.
 Nr. Bayard. 6/10 mile south on Hiway 26, 3.7 miles
 east, 7/10 mile south, 1/10 mile east, on right bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	16	36	42	4	4
2	0	16	38	38	3	4
3	0	17	36	35	3	3
4	0	24	31	34	6	2
5	0	19	30	29	8	2
6	0	16	28	27	12	3
7	0	15	29	31	7	4
8	0	16	30	36	5	4
9	0	16	30	42	5	17
10	0	35	31	36	4	28
11	0	40	32	29	5	27
12	0	27	34	27	6	29
13	0	29	35	30	5	29
14	0	36	33	33	6	27
15	0	37	35	33	6	26
16	0	36	30	24	8	27
17	0	36	33	24	7	27
18	0	35	33	24	7	27
19	9	35	35	25	6	28
20	22	30	37	45	5	29
21	21	32	37	25	5	28
22	20	32	34	19	6	27
23	19	32	33	22	6	27
24	19	29	36	23	5	29
25	19	31	37	29	6	28
26	19	43	38	31	5	26
27	19	23	37	30	4	25
28	18	27	37	25	4	20
29	19	22	39	10	3	25
30	18	26	42	7	4	26
31	--	31	--	4	7	--
S.F.	222	859	1026	869	173	608
Mean	7	28	34	28	5	20
Max.	22	43	42	45	12	29
Min.	0	15	28	4	3	2
A.F.	440	1700	2040	1720	340	1210

Water diverted 7450 A.F.
 Acreage reported D-874, 1035-2121(A-1776 O.D.)

Date	Apr.	May	June	July	Aug.	Sept.
1	0	22	54	40	42	34
2	0	22	51	38	47	26
3	0	20	49	42	60	31
4	0	19	40	54	56	40
5	0	20	42	54	50	35
6	0	20	45	50	41	35
7	0	27	35	52	48	31
8	0	3	36	51	47	23
9	0	0	39	55	47	21
10	0	0	42	61	49	20
11	0	0	43	54	47	22
12	0	9	15	56	47	24
13	0	55	15	51	58	21
14	0	26	37	52	56	33
15	0	26	0	58	51	34
16	0	38	40	57	42	34
17	0	43	50	55	46	35
18	0	33	39	53	60	35
19	0	34	52	54	60	33
20	0	34	50	52	57	37
21	0	33	26	56	54	38
22	0	29	38	53	56	39
23	0	28	36	53	60	36
24	0	26	50	52	58	53
25	0	28	48	52	50	41
26	0	38	51	58	62	38
27	11	33	43	59	59	35
28	16	32	37	19	55	29
29	14	40	50	14	52	33
30	19	64	39	49	42	24
31	--	62	--	43	28	--
S.F.	60	864	1192	1547	1587	970
Mean	2	28	40	50	51	32
Max.	19	64	54	61	62	53
Min.	0	0	0	14	28	20
A.F.	120	1710	2360	3070	3150	1920

Water diverted 12330 A.F.
 Acreage 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--1977

ALLIANCE IRRIGATION DISTRICT
Summary in Acre-feet--1977

	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:							
Bayard Drain.....	440	1700	2040	1420	320	1210	7130
Red Willow Creek....	120	1710	2360	3070	3150	1920	12330
Total diversion.....	560	3410	4400	4490	3470	3130	*19460

Water diverted 19460 A.F.
Natural 19416 A.F.
Storage 44 A.F.

Alliance Canal Spill to Red Willow Creek
July 300 A.F.
August 20 A.F.
Total 320 A.F.

*Total acre-feet of 19460 reflects 320 acre-feet credited to the Alliance Canal from Bayard Drain

DAILY DIVERSIONS OF CANALS--1977
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	1	0	0	0
2	0	1	0	0	0
3	0	1	0	0	0
4	0	1	0	0	0
5	0	1	0	0	0
6	0	1	0	0	0
7	0	1	0	0	0
8	0	1	0	0	0
9	0	1	0	0	0
10	0	1	0	0	0
11	0	1	0	0	0
12	0	1	0	0	0
13	0	1	0	0	0
14	0	1	0	0	0
15	0	1	0	0	0
16	0	1	0	0	0
17	0	1	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	1	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	26	0	0	0
Mean	0	1	0	0	0
Max.	0	1	0	0	0
Min.	0	0	0	0	0
A.F.	0	50	0	0	0

Water pumped 50 A.F.
Acreage reported A-10870-41

DAILY DIVERSIONS OF CANALS--1977
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
Water Year Ending September 30, 1977

Date	May	June	July	Aug.	Sept.
1	0	24	96	46	11
2	0	38	106	53	16
3	0	33	106	49	19
4	0	33	109	44	20
5	0	32	117	42	19
6	0	32	126	40	15
7	0	36	128	40	8
8	0	41	127	38	3
9	0	43	124	44	0
10	0	40	128	57	0
11	0	38	117	63	0
12	0	38	94	64	0
13	0	40	80	65	0
14	0	37	83	65	0
15	0	33	84	77	0
16	0	29	85	76	0
17	0	26	84	61	0
18	0	25	85	52	0
19	0	24	86	40	0
20	0	19	92	36	0
21	0	29	96	35	0
22	0	36	88	36	0
23	0	34	82	45	0
24	0	24	80	42	0
25	0	21	77	30	0
26	0	20	63	17	0
27	0	26	49	13	0
28	0	45	46	12	0
29	0	64	43	12	0
30	0	76	41	11	0
31	0	--	41	11	--
S.F.	0	1036	2763	1316	111
Mean	0	35	89	42	4
Max.	0	76	128	77	20
Min.	0	19	41	11	0
AF Canal	0	2050	5480	2610	220
AF Pump	0	10	20	10	0
AF Total	0	2060	5500	2620	220

Water diverted 10400 A.F.
Acreage reported A-3869R-6095; A-6217-246;
A-10196-NR; A-11042-14; A-11920-123; A-14179-13; Total-6491

DAILY DIVERSIONS OF CANALS--1977
BEERLINE CANAL from North Platte River--Measured
through rating flume--NW $\frac{1}{4}$ SW $\frac{1}{4}$ 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 south

Date	Oct.	May	June	July	Aug.	Sept.
1	12	0	0	11	12	6
2	11	0	0	13	9	4
3	9	0	5	16	8	1
4	6	0	7	16	8	1
5	2	0	6	15	9	1
6	0	0	8	15	9	1
7	0	0	12	12	9	1
8	0	0	8	0	8	0
9	0	0	0	1	8	0
10	0	0	0	18	7	0
11	0	0	0	14	7	0
12	0	0	0	9	7	0
13	0	0	0	9	8	1
14	0	0	9	14	10	0
15	0	0	24	7	11	6
16	0	0	23	15	14	8
17	0	0	17	19	17	9
18	0	0	13	20	17	9
19	0	0	10	20	17	9
20	0	0	9	23	18	9
21	0	0	11	24	18	9
22	0	0	20	3	12	5
23	0	0	17	4	9	0
24	0	0	11	15	8	5
25	0	0	11	15	10	6
26	0	0	11	14	10	7
27	0	0	6	14	10	7
28	0	0	0	16	10	8
29	0	0	3	15	7	9
30	0	0	14	17	5	12
31	0	0	--	15	5	--
S.F.	40	0	255	419	317	134
Mean	1	0	8	14	10	4
Max.	12	0	24	24	18	12
Min.	0	0	0	0	5	0
A.F.	80	0	510	830	630	270

Water diverted 2320 A.F.
Acreage reported D-887-2080

DAILY DIVERSIONS OF CANALS--1977

BEERLINE CANAL
Summary of Storage Water Diverted
Values in Acre-feet--1977

Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	80	0	510	610	630	270	2100
Storage.....	0	0	0	220	0	0	220
Total.....	80	0	510	830	630	270	2320

Storage orders - July 7 to July 11; July 23 to August 1

Water diverted 2320 A.F.
Natural 2100 A.F.
Storage 220 A.F.

DAILY DIVERSIONS OF CANALS--1977
BELMONT CANAL from North Platte River--Measured
through 15-foot Parshall flume--SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-20-51 W.
Nr. Bridgeport. 7.3 miles west on Hiway 29, 6/10 mile
north, 4/10 mile east, 3/10 mile south, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	85	0	58	115	118	85
2	90	0	109	119	113	86
3	88	0	119	123	115	86
4	84	0	119	125	111	86
5	68	0	111	128	111	83
6	52	0	134	133	113	83
7	52	0	134	133	113	82
8	52	0	121	136	114	83
9	23	0	121	135	114	85
10	0	0	120	138	112	86
11	0	0	107	135	111	88
12	0	0	107	133	113	88
13	0	0	112	134	114	87
14	0	0	112	134	115	85
15	0	0	97	133	112	83
16	0	8	97	138	115	86
17	0	6	97	136	117	91
18	0	54	99	133	114	93
19	0	77	102	133	111	93
20	0	77	102	139	109	95
21	0	77	107	131	112	93
22	0	77	100	133	111	92
23	0	64	101	134	111	92
24	0	64	101	138	113	91
25	0	71	100	135	111	96
26	0	80	106	134	105	100
27	0	80	115	133	98	99
28	0	80	115	131	92	98
29	0	80	117	129	89	97
30	0	76	117	126	87	83
31	0	61	---	125	86	--
S. F.	594	1032	3257	4082	3380	2675
Mean	19	33	109	132	109	89
Max.	90	80	134	139	118	100
Min.	0	0	58	115	86	82
A. F.	1180	2050	6460	8100	6700	5310

Water diverted 29800 A.F.
Acreage reported D-828-14547

DAILY DIVERSIONS OF CANALS--1977
BELMONT CANAL from Cedar Creek--Measured
through rating flume--NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec.23-18-48 W.
Nr. Broadwater. 1.1 miles south on Hiway 92
to junction, 5 miles south on county road,
2.5 miles east to right bank, 9/10 mile south

Date	Oct.	May	June	July	Aug.	Sept.
1	5	0	0	5	5	3
2	5	0	0	5	5	3
3	5	0	0	4	5	3
4	5	0	0	4	6	3
5	5	0	0	4	6	3
6	6	0	0	5	6	3
7	6	0	0	4	6	3
8	6	0	0	4	5	3
9	6	0	0	9	6	3
10	6	0	0	5	9	3
11	6	0	0	0	8	3
12	6	0	0	4	8	3
13	4	0	0	4	9	3
14	0	0	0	5	9	3
15	0	0	0	5	8	3
16	0	0	0	5	8	4
17	0	0	0	5	8	5
18	0	0	0	5	8	5
19	0	0	0	4	8	5
20	0	0	0	4	8	5
21	0	0	0	5	8	5
22	0	0	0	5	9	5
23	0	0	0	5	9	5
24	0	0	0	6	10	6
25	0	0	0	5	9	6
26	0	0	0	6	7	6
27	0	0	3	7	5	6
28	0	0	4	6	3	6
29	0	0	5	5	3	6
30	0	0	6	5	3	2
31	0	0	-	5	2	-
S. F.	71	0	18	150	209	122
Mean	2	0	1	5	7	4
Max.	6	0	6	9	10	6
Min.	0	0	0	0	2	2
A. F.	140	0	40	300	410	240

Water diverted 1130 A.F.

DAILY DIVERSIONS OF CANALS--1977

BELMONT CANAL
Summary in Acre-feet--1977

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:							
North Platte River.....	1180	2050	6460	8100	6700	5310	29800
Cedar Creek.....	140	0	40	300	410	240	1130
Total.....	1320	2050	6500	8400	7110	5550	30930
Storage diverted.....	0	0	6	1016	0	0	1022
Water diverted			30930	A. F.			
Natural			29908	A. F.			
Storage			1022	A. F.			

DAILY DIVERSIONS OF CANALS--1977
 BELMONT SPILL into Pumpkinseed Creek
 For D-828 lands via Meredith-Ammer Canal--Measured
 through 12-foot weir--SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 23-19-50 W.
 Nr. Bridgeport. 4 miles east on Hwy 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	0	0	0	6
2	0	0	0	0	8
3	0	0	0	1	7
4	0	0	0	0	7
5	0	0	0	11	4
6	0	0	0	5	2
7	0	0	0	7	2
8	0	0	0	0	1
9	0	0	0	0	0
10	0	11	0	0	0
11	0	7	0	0	0
12	0	7	0	0	0
13	0	12	0	0	0
14	0	23	0	0	0
15	0	14	0	0	0
16	0	8	0	0	0
17	0	7	0	0	0
18	6	6	0	6	0
19	38	6	0	0	0
20	39	5	3	0	0
21	40	5	1	0	0
22	40	5	1	0	0
23	34	7	0	0	0
24	29	1	0	0	0
25	1	0	0	0	0
26	10	1	3	0	3
27	0	1	8	0	9
28	0	0	3	0	8
29	0	0	2	0	8
30	0	0	0	0	18
31	0	-	0	3	--
S.F.	237	126	21	33	83
Mean	8	4	1	1	3
Max.	40	23	8	11	18
Min.	0	0	0	0	0
A.F.	470	250	40	70	160

Water spilled 990 A.F.

DAILY DIVERSIONS OF CANALS--1977
 BIRDWOOD CANAL from Birdwood Creek--Measured
 through 8-foot Parshall flume--SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-15-33 W.
 Nr. Hershey. 4 miles north of Hwy 30, 3 $\frac{1}{2}$ miles west,
 100 ft. north on right canal bank

Date	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.
1	23	9	1	0	0	52	36	17
2	23	8	1	0	0	55	39	19
3	23	7	1	0	0	54	38	19
4	25	6	1	0	0	49	33	20
5	26	6	1	0	0	49	32	20
6	22	5	0	0	0	38	22	21
7	21	5	0	0	0	37	18	14
8	18	5	0	0	0	28	17	12
9	18	4	0	0	0	20	15	12
10	17	4	0	0	0	30	17	10
11	16	4	0	0	0	6	18	11
12	15	4	0	0	0	15	19	12
13	15	4	0	0	0	19	19	12
14	15	4	0	0	0	19	20	11
15	14	3	0	0	10	21	13	10
16	14	3	0	0	18	20	7	10
17	14	3	0	0	14	20	17	10
18	14	3	0	0	8	28	19	10
19	14	3	0	0	10	45	21	10
20	14	3	0	0	10	43	22	10
21	14	3	0	0	11	16	25	10
22	14	3	0	0	13	20	38	9
23	13	2	0	0	11	21	47	10
24	13	2	0	0	11	20	44	9
25	13	2	0	0	10	21	41	9
26	13	2	0	0	12	21	30	8
27	12	2	0	0	20	20	16	8
28	12	2	0	0	21	27	23	9
29	12	1	0	0	35	31	22	10
30	11	1	0	0	58	38	16	13
31	10	-	0	0	--	31	18	--
S.F.	498	113	5	0	272	914	762	365
Mean	16	4	0	0	9	29	25	12
Max.	26	9	1	0	58	55	47	21
Min.	10	1	0	0	0	6	7	8
A.F.	990	220	10	0	540	1810	1510	720

Water diverted 5800 A.F.
 Acreage reported D-646-5287

DAILY DIVERSIONS OF CANALS--1977
 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	2	0	0	0
2	0	3	0	0	0
3	0	3	0	0	0
4	0	3	0	0	0
5	0	3	0	0	0
6	0	3	0	0	0
7	0	3	0	0	0
8	0	3	0	0	0
9	0	3	0	0	0
10	0	3	0	0	0
11	0	3	0	0	0
12	0	3	0	0	0
13	0	3	0	0	0
14	0	3	0	0	0
15	0	3	0	0	0
16	0	3	0	0	0
17	0	3	0	0	0
18	0	3	0	0	0
19	0	3	0	0	0
20	0	3	0	0	0
21	0	3	0	0	0
22	0	4	0	0	0
23	0	3	0	0	0
24	0	2	0	0	0
25	0	2	0	0	0
26	0	2	0	0	0
27	0	2	0	0	0
28	0	2	0	0	0
29	0	2	0	0	0
30	0	2	0	0	0
31	1	-	0	0	-
S.F.	1	83	0	0	0
Mean	0	3	0	0	0
Max.	1	4	0	0	0
Min.	0	2	0	0	0
A.F.	0	160	0	0	0

Water diverted 160 A.F.
 Acreage reported A-1249-241

DAILY DIVERSIONS OF CANALS--1977
 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 Hwy 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	37	0	0	40	41	15
2	30	0	0	41	41	15
3	29	0	0	42	41	15
4	24	0	0	40	41	14
5	24	0	0	39	49	14
6	24	0	0	36	41	14
7	12	0	8	37	38	13
8	13	0	0	39	36	14
9	4	0	2	33	35	13
10	0	0	5	20	35	13
11	0	0	5	15	35	14
12	0	0	9	18	34	18
13	0	0	10	19	45	25
14	0	0	12	17	55	23
15	0	0	13	20	39	16
16	0	0	14	32	24	16
17	0	0	14	38	19	18
18	0	0	15	40	18	22
19	0	0	20	38	16	24
20	0	0	20	38	22	21
21	0	0	15	38	24	20
22	0	0	14	36	25	20
23	0	0	15	35	24	20
24	0	0	16	35	24	19
25	0	0	16	36	25	18
26	0	0	15	35	20	17
27	0	0	15	35	20	22
28	0	0	22	37	17	24
29	0	0	28	40	16	24
30	0	0	31	39	16	29
31	0	0	--	41	16	--
S.F.	197	0	334	1049	932	550
Mean	6	0	11	34	30	18
Max.	37	0	31	42	55	29
Min.	0	0	0	15	16	13
A.F.	390	0	660	2080	1850	1090

Water diverted 6070 A.F.
 Acreage reported D-785-2449; D-795-355; A-1154-30; Total-2834

DAILY DIVERSIONS OF CANALS--1977
 BROWNS CREEK CANAL from North Platte River--Measured
 through Parshall Flume--NW $\frac{1}{4}$ 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	14	0	29	86	68	20
2	0	0	26	90	71	17
3	0	0	34	87	68	18
4	0	0	38	89	72	15
5	0	0	36	98	72	14
6	0	0	29	97	65	14
7	0	0	26	100	62	13
8	0	0	29	102	58	24
9	0	0	26	88	50	31
10	0	0	18	86	46	37
11	0	0	13	90	42	34
12	0	0	11	90	41	34
13	0	0	14	98	44	33
14	0	0	12	100	45	34
15	0	0	31	97	59	31
16	0	0	25	98	65	29
17	0	19	24	98	72	29
18	0	21	30	98	84	31
19	0	33	29	98	86	34
20	0	24	27	100	84	39
21	0	19	21	97	86	40
22	0	19	36	101	82	56
23	0	16	34	101	72	60
24	0	17	34	90	59	62
25	0	19	39	89	44	67
26	0	22	48	88	53	72
27	0	13	54	87	44	74
28	0	22	66	84	37	71
29	0	15	84	69	30	66
30	0	24	90	68	29	64
31	0	30	--	65	23	--
S.F.	14	313	1013	2829	1813	1163
Mean	0	10	34	91	58	39
Max.	14	33	90	102	86	74
Min.	0	0	11	65	23	13
A.F.	30	620	2010	5610	3600	2310
Water diverted 14180 A.F.						
Acreage reported D-857, 1033-6136						

DAILY DIVERSIONS OF CANALS--1977

BROWNS CREEK CANAL
 Summary of Storage Water Diverted
 Values in Acre-feet--1977

Diverted	Oct.	May	June	July	Aug.	Sept.	Total
Natural.....	30	620	2010	5221	3600	2310	13791
Storage.....	0	0	0	389	0	0	389
Total.....	30	620	2010	5610	3600	2310	14180

Storage orders - July 2 to August 13

Water diverted 14180 A.F.
 Natural 13791 A.F.
 Storage 389 A.F.

DAILY DIVERSIONS OF CANALS--1977
 CAMBRIDGE CANAL from Republican River--Measured
 through 15-foot Parshall Flume--SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-4-25 W.
 Nr. Cambridge. 2.5 miles east on Hwy 6, 1/10
 mile south, 200 feet east

Date	May	June	July	Aug.	Sept.
1	0	72	261	194	62
2	0	75	270	233	49
3	0	85	270	237	47
4	0	51	271	229	49
5	0	51	297	191	47
6	0	70	313	171	39
7	0	72	280	171	33
8	0	71	336	168	32
9	0	72	333	171	10
10	0	70	365	169	0
11	0	70	303	162	0
12	0	69	234	160	0
13	0	72	207	155	0
14	0	72	196	154	0
15	0	73	192	172	0
16	0	73	180	187	0
17	0	73	186	198	0
18	0	71	205	199	0
19	0	70	261	194	0
20	0	78	298	191	0
21	0	80	314	182	0
22	0	78	272	200	0
23	0	81	257	210	0
24	0	84	253	198	0
25	0	86	230	174	0
26	0	86	187	106	0
27	0	104	177	86	0
28	0	146	176	86	0
29	0	187	177	69	0
30	0	221	177	58	0
31	0	---	177	62	-
S.F.	0	2563	7655	5137	368
Mean	0	85	247	166	12
Max.	0	221	365	237	62
Min.	0	51	176	58	0
A.F.	0	5080	15180	10190	730
Water diverted 31180 A.F.					
Acreage reported A-3869e-14652; A-6218-459; A-9479-217; A-9763-119; A-10591-451; A-11041-268; A-12067-819; A-12200-286; A-14181-179; Total-17450					

DAILY DIVERSIONS OF CANALS--1977
 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 miles west on Hwy 92, 100 feet
 south, on left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	39	0	72	90	74	77
2	37	0	71	89	76	72
3	36	15	73	92	82	71
4	34	29	77	90	78	71
5	32	30	81	95	62	72
6	30	34	79	87	56	67
7	30	34	73	84	49	64
8	30	35	67	84	57	61
9	30	36	48	86	61	54
10	30	40	44	83	64	58
11	30	31	48	85	64	59
12	30	30	52	84	61	59
13	30	30	51	86	67	61
14	30	32	48	90	74	60
15	30	32	52	85	77	59
16	30	30	51	82	75	59
17	12	38	52	83	77	59
18	0	53	60	84	79	60
19	0	51	58	84	79	61
20	0	51	65	79	80	62
21	0	59	78	87	78	62
22	0	53	78	82	76	63
23	0	49	77	78	76	58
24	0	68	85	79	75	54
25	0	87	84	77	70	53
26	0	86	88	75	70	52
27	0	71	88	74	70	48
28	0	72	89	77	70	46
29	0	72	90	76	71	44
30	0	72	89	76	70	36
31	0	72	--	76	74	--
S.F.	520	1392	2068	2579	2192	1782
Mean	17	45	69	83	71	59
Max.	39	87	90	95	82	77
Min.	0	0	44	74	49	36
A.F.	1030	2760	4100	5120	4350	3530
Water diverted 20890 A.F.						
Acreage reported D-921-5977; A-186R-471; A-350R-49; Total-6497						

DAILY DIVERSIONS OF CANALS--1977
 CENTRAL CANAL from North Platte River--Measured
 through rating flume--NW¼NW¼ Sec. 36-22-55 W.
 Nr. Gering. Enter town on Hiway 92, go to 7th
 Street, 1.4 miles north, on right bank

Date	Oct.	May	June	July	Aug.	Sept.
1	2	0	25	31	27	24
2	0	0	25	26	29	24
3	0	0	26	28	32	25
4	0	0	27	28	34	22
5	0	0	27	32	30	18
6	0	0	25	33	32	19
7	0	0	25	32	33	18
8	0	0	26	32	33	17
9	0	0	24	32	33	16
10	0	0	19	36	30	15
11	0	0	14	30	30	15
12	0	1	14	29	30	14
13	0	11	15	26	30	14
14	0	11	18	25	28	14
15	0	12	20	29	27	14
16	0	13	16	24	27	14
17	0	14	15	30	26	14
18	0	14	14	33	26	14
19	0	7	14	34	27	15
20	0	18	14	34	27	15
21	0	22	22	34	27	15
22	0	22	19	33	28	16
23	0	23	12	32	28	16
24	0	24	24	35	27	18
25	0	24	15	33	27	21
26	0	26	33	31	26	24
27	0	22	32	32	26	22
28	0	20	30	32	27	23
29	0	21	30	29	27	24
30	0	24	29	25	25	23
31	0	25	--	24	24	--
S. F.	2	354	649	944	883	543
Mean	0	11	22	30	28	18
Max.	2	26	33	36	34	25
Min.	0	0	12	24	24	14
A. F.	0	700	1290	1870	1750	1080

Water diverted 6690 A.F.
 Acreage reported D-926-2092

DAILY DIVERSIONS OF CANALS--1977

CENTRAL CANAL Values in Acre-feet--1977						
	May	June	July	Aug.	Sept.	Total
Diverted:						
Natural.....	700	1290	1850	1716	1080	6636
Storage.....	0	0	20	34	0	54
Total.....	700	1290	1870	1750	1080	6690

Storage orders - July 8 to July 14; August 1 to August 25

Water diverted 6690 A.F.
 Natural 6636 A.F.
 Storage 54 A.F.

DAILY DIVERSIONS OF CANALS--1977
 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	12	12	8	3	6
2	8	0	12	16	8	3	6
3	8	0	12	16	8	3	7
4	8	0	12	13	8	3	6
5	3	0	12	10	8	3	6
6	0	0	12	10	8	3	6
7	0	0	12	10	8	3	6
8	0	0	12	10	8	3	6
9	0	0	12	9	8	3	6
10	0	0	12	9	9	3	6
11	0	0	12	9	8	3	6
12	0	0	10	10	4	3	6
13	0	0	10	11	2	3	7
14	0	0	10	10	2	3	7
15	0	0	10	9	2	3	7
16	0	0	10	9	2	2	7
17	0	0	10	9	2	2	7
18	0	0	10	9	2	2	7
19	0	7	11	9	2	2	7
20	0	16	11	9	2	2	7
21	0	15	14	9	2	3	7
22	0	15	15	10	3	2	7
23	0	14	14	10	3	2	7
24	0	14	14	10	3	2	7
25	0	13	14	9	3	3	7
26	0	13	13	9	3	5	7
27	0	12	10	9	3	5	7
28	0	11	10	9	3	5	7
29	0	11	10	9	3	6	7
30	0	11	11	9	3	6	8
31	0	--	13	--	3	6	--
S. F.	35	152	362	302	141	100	200
Mean	1	5	12	10	5	3	7
Max.	8	16	15	16	9	6	8
Min.	0	0	10	9	2	2	6
A. F.	70	300	720	600	280	200	400

Water diverted 2570 A.F.
 Acreage reported D-47-990

DAILY DIVERSIONS OF CANALS--1977
 CHIMNEY ROCK CANAL from North Platte River--Measured
 through rating flume--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	48	0	57	74	72	38
2	47	0	57	68	68	38
3	45	21	56	73	72	39
4	44	30	55	82	66	38
5	43	23	55	78	62	39
6	43	22	56	79	65	52
7	42	22	56	83	68	56
8	41	22	56	78	65	52
9	40	23	56	77	60	52
10	40	30	63	78	56	53
11	39	26	56	75	58	55
12	39	22	59	75	58	62
13	37	20	62	74	55	61
14	35	18	65	78	53	59
15	33	17	68	80	54	55
16	23	19	59	75	59	54
17	0	38	59	65	60	52
18	0	47	59	75	60	52
19	0	47	62	73	64	55
20	0	47	64	73	59	60
21	0	60	70	75	64	60
22	0	69	66	75	69	57
23	0	65	66	73	68	54
24	0	65	61	77	58	57
25	0	60	62	72	29	62
26	0	60	43	73	30	59
27	0	57	46	75	39	60
28	0	62	63	76	46	59
29	0	59	60	70	47	59
30	0	60	66	70	42	56
31	0	59	--	69	38	--
S. F.	639	1170	1783	2318	1764	1605
Mean	21	38	59	75	57	54
Max.	48	69	70	83	72	62
Min.	0	0	43	65	29	38
A. F.	1270	2320	3540	4600	3500	3180

Water diverted 18410 A.F.
 Acreage reported D-844, 1031-5222; A-2190-47;
 Total-5269

DAILY DIVERSIONS OF CANALS--1977

CHIMNEY ROCK CANAL
Values in Acre-feet--1977

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted:							
Natural.....	1270	2320	3530	3701	3395	3180	17396
Storage.....	0	0	10	399	105	0	1014
Total.....	1270	2320	3540	4600	3500	3180	18410

Storage orders - June 30 to August 7

Water diverted	18410 A.F.
Natural	17396 A.F.
Storage	1014 A.F.

DAILY DIVERSIONS OF CANALS--1977
CODY-DILLON CANAL from North Platte River
Measured over weir--SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 9-14-31 W.
Nr. North Platte. $\frac{3}{4}$ miles west on Hiway 30,
2 miles north on county road, 1 mile northwest
on hay meadow road, on right bank

Date	May	June	July	Aug.	Sept.
1	0	0	23	34	2
2	0	0	25	36	0
3	0	0	30	22	0
4	0	0	36	25	0
5	0	0	40	22	0
6	0	0	42	15	0
7	0	0	39	10	0
8	0	0	26	12	6
9	0	0	18	18	18
10	0	0	18	31	22
11	0	0	5	26	29
12	0	0	3	18	28
13	0	0	4	18	21
14	0	0	5	15	16
15	0	0	5	18	20
16	0	0	5	17	20
17	0	0	4	14	24
18	0	0	4	13	23
19	0	0	10	10	21
20	0	0	27	5	22
21	0	0	31	12	18
22	0	0	28	9	18
23	0	0	25	6	18
24	0	0	22	8	18
25	0	0	22	13	21
26	0	0	23	20	14
27	0	7	23	12	12
28	0	17	33	7	19
29	0	34	28	5	14
30	0	46	25	4	6
31	0	--	22	3	-
S.F.	0	104	651	478	430
Mean	0	3	21	15	14
Max.	0	46	42	36	29
Min.	0	0	3	3	0
A.F.	0	210	1290	950	850

Water diverted 3300 A.F.
Acreage reported D-649-4749

DAILY DIVERSIONS OF CANALS--1977
COOK CANAL NO. 1 from Niobrara River--Measured
through rating flume--SE $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 2-28-56 W.
Nr. Agate. 1 $\frac{3}{4}$ miles west, 1/2 mile south on
trail road, on south river bank

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

Water diverted 30 A.F.
Acreage reported D-980-162

DAILY DIVERSIONS OF CANALS--1977
COURT HOUSE ROCK CANAL from Pumpkinseed Creek--Measured
through rating flume--SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 30-19-50 W.
Nr. Bridgeport. 9 miles south on Hiway 88, trail road on
east side of road, 1/10 mile northeast, walk to shelter

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	7	4	0	0	7	5	6
2	7	2	0	0	6	5	6
3	6	0	0	3	5	5	6
4	7	0	0	6	5	6	6
5	8	0	0	6	5	6	6
6	8	0	0	6	5	7	6
7	8	0	0	6	5	6	6
8	7	0	0	6	5	6	6
9	8	0	0	7	5	6	6
10	8	0	0	9	5	5	6
11	8	0	0	8	5	5	6
12	8	0	0	8	5	5	6
13	8	0	0	7	5	5	6
14	8	0	0	7	5	5	6
15	8	0	0	7	5	5	6
16	8	0	0	6	4	5	5
17	7	0	0	6	4	6	5
18	8	0	0	6	4	6	5
19	8	0	0	6	4	6	5
20	7	0	0	6	5	6	6
21	7	0	0	7	5	6	5
22	7	0	0	7	5	6	5
23	7	0	0	7	4	6	5
24	7	0	0	7	4	6	5
25	6	0	0	6	5	10	5
26	5	0	0	6	5	10	5
27	4	0	0	6	5	8	5
28	4	0	0	6	6	7	5
29	4	0	0	7	5	6	6
30	4	0	0	7	5	6	6
31	4	-	0	-	6	6	-
S.F.	211	6	0	182	154	188	168
Mean	7	0	0	6	5	6	6
Max.	8	4	0	9	7	10	6
Min.	4	0	0	4	4	5	5
A.F.	420	10	0	360	310	370	330

Water diverted 1800 A.F.
Acreage reported D-840, 1028-1462; A-851-22; A-2315-5;
Total-1489

DAILY DIVERSIONS OF CANALS--1977
 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	Oct.	Nov.	Dec.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	103	114	90	0	108	126	91	156	651	0
2	102	115	56	0	109	125	84	168	584	0
3	100	114	0	0	109	157	81	188	549	0
4	121	114	0	0	120	133	81	257	564	0
5	94	111	0	0	131	41	81	307	564	0
6	91	111	0	0	129	38	71	367	553	0
7	98	112	0	0	118	41	61	493	526	0
8	106	113	0	0	114	41	64	591	408	0
9	106	114	0	0	112	41	64	604	373	0
10	106	115	0	0	105	40	103	614	412	0
11	107	116	0	0	101	41	125	619	381	0
12	104	112	0	0	100	41	127	642	386	0
13	95	84	0	0	136	41	130	650	384	0
14	93	94	0	0	130	42	130	647	368	0
15	92	114	0	0	98	42	130	667	361	0
16	92	114	0	0	96	41	152	711	391	0
17	89	115	0	0	97	37	160	688	355	0
18	87	114	0	12	99	36	160	702	268	0
19	87	116	0	29	114	40	125	673	209	0
20	87	119	0	29	122	39	146	666	168	0
21	101	120	0	68	122	39	162	654	169	0
22	114	105	0	97	125	39	162	654	130	0
23	114	103	0	99	132	71	157	654	70	0
24	112	99	0	96	131	91	194	654	21	0
25	110	99	0	92	129	90	218	652	0	0
26	110	99	0	99	129	90	217	649	0	0
27	110	67	0	97	129	91	191	651	0	0
28	111	62	0	97	128	92	152	656	0	0
29	113	73	0	109	126	91	125	653	0	0
30	115	80	0	122	125	91	152	647	0	0
31	114	--	0	114	---	90	---	647	0	-
S. F.	3184	3138	146	1160	3524	2058	3896	17581	8845	0
Mean	103	105	5	37	117	66	130	567	285	0
Max.	121	120	90	122	136	157	218	711	651	0
Min.	87	62	0	0	96	36	61	156	0	0
A. F.	6320	6220	290	2300	6990	4080	7730	34870	17540	0

Water diverted 86340 A. F.

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

DAILY DIVERSIONS OF CANALS--1977
 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	Oct.	Nov.	Dec.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	86	85	30	0	88	107	63	135	603	0
2	85	83	23	0	85	108	55	130	553	0
3	82	74	10	0	85	115	50	150	496	0
4	96	73	3	0	85	150	61	214	514	0
5	94	72	0	0	86	43	61	262	532	0
6	76	68	0	0	90	18	48	307	508	0
7	80	68	0	0	100	31	34	418	510	0
8	88	68	0	0	95	32	37	534	384	0
9	89	68	0	0	90	34	41	568	325	0
10	88	67	0	0	89	33	60	572	360	0
11	88	66	0	0	83	32	95	592	364	0
12	85	64	0	0	80	32	98	625	348	0
13	74	55	0	0	80	31	106	640	340	0
14	67	47	0	0	109	32	101	634	325	0
15	65	58	0	0	98	32	101	638	298	0
16	63	65	0	0	84	32	116	631	334	0
17	60	67	0	0	80	28	128	596	310	0
18	60	64	0	0	77	15	128	625	246	0
19	58	62	0	0	76	25	131	620	185	0
20	58	62	0	0	85	30	124	605	156	0
21	60	61	0	0	100	32	136	592	149	0
22	82	61	0	10	102	30	142	594	127	0
23	85	84	0	107	110	57	142	598	82	0
24	84	84	0	128	110	80	181	596	45	0
25	83	77	0	85	109	73	204	607	25	0
26	82	68	0	72	109	72	200	614	5	0
27	82	58	0	76	108	73	174	629	0	0
28	82	50	0	77	108	74	128	629	12	0
29	84	45	0	77	107	73	102	620	20	0
30	86	38	0	81	107	73	121	612	2	0
31	85	--	0	86	---	70	---	607	0	-
S. F.	2437	1962	66	799	2815	1667	3168	16194	8158	0
Mean	79	65	2	26	94	54	106	522	263	0
Max.	96	85	30	128	110	150	204	640	603	0
Min.	58	38	0	0	76	15	34	130	0	0
A. F.	4830	3890	130	1580	5580	3310	6280	32120	16180	0

Water diverted 73900 A. F.

DAILY DIVERSIONS OF CANALS--1977
 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	28	185	250	0
2	0	20	250	239	0
3	0	19	277	239	0
4	0	27	275	229	0
5	0	29	269	220	0
6	0	27	273	222	0
7	0	28	281	211	0
8	0	29	287	202	0
9	0	10	293	199	0
10	0	18	299	197	0
11	0	18	295	188	0
12	0	35	289	188	0
13	0	30	289	192	0
14	0	24	279	194	0
15	10	22	279	187	0
16	28	22	285	167	0
17	27	44	279	163	0
18	28	46	275	157	0
19	28	47	273	146	0
20	31	46	273	140	0
21	18	49	273	135	0
22	9	57	275	132	0
23	16	82	265	126	0
24	16	85	263	119	0
25	20	94	267	102	0
26	24	98	265	24	0
27	23	97	263	0	0
28	20	95	260	0	0
29	24	103	256	0	0
30	28	144	252	0	0
31	28	--	252	0	0
S.F.	378	1473	8396	4568	0
Mean	12	49	271	147	0
Max.	31	144	299	250	0
Min.	0	10	185	0	0
A.F.	750	2920	16650	9060	0

Water diverted 29380 A.F.
 Acreage reported D-626-25251

DAILY DIVERSIONS OF CANALS--1977
 DAWSON COUNTY CANAL from Platte River--Measured
 through Parshall flume--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 18-10-23 W.
 Nr. Cozad. Left bank 500 feet east of Hiway 21,
 1/10 mile north of I-80 exchange, east on ditch bank

Date	Oct.	May	June	July	Aug.	Sept.
1	89	0	66	232	475	144
2	89	0	72	238	475	149
3	89	0	62	260	464	149
4	58	0	57	317	475	146
5	24	0	57	418	461	146
6	0	40	69	434	450	144
7	0	49	95	480	450	144
8	0	45	96	488	424	141
9	0	58	96	503	410	110
10	0	69	98	509	365	66
11	0	72	98	500	400	63
12	0	74	96	498	364	65
13	0	73	96	480	356	62
14	0	73	95	492	352	28
15	0	63	95	492	349	0
16	0	50	90	495	349	0
17	0	53	89	472	329	0
18	0	57	88	469	310	0
19	0	60	88	459	308	0
20	0	57	101	453	315	0
21	0	82	122	456	317	0
22	0	77	134	486	315	0
23	0	54	158	480	254	0
24	0	51	183	475	224	0
25	0	53	162	475	228	0
26	0	57	175	472	205	0
27	0	61	226	459	177	0
28	0	62	249	483	179	0
29	0	58	244	480	181	0
30	0	60	220	467	185	0
31	0	62	--	478	168	0
S.F.	349	1570	3577	13900	10314	1557
Mean	11	51	119	448	333	52
Max.	89	82	249	509	475	149
Min.	0	0	57	232	168	0
A.F.	690	3110	7090	27570	20460	3090

Water diverted 62010 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-14008-191; Total- 82226

DAILY DIVERSIONS OF CANALS--1977
 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	70	61	249	268	0
2	0	69	61	274	274	0
3	0	68	61	285	283	0
4	0	67	61	295	281	0
5	0	67	61	310	277	0
6	0	67	61	321	264	0
7	0	67	60	327	261	0
8	0	67	62	324	263	0
9	0	66	63	324	263	0
10	0	65	62	318	271	0
11	0	65	60	301	282	0
12	30	63	61	290	294	0
13	48	62	67	273	298	0
14	61	62	65	269	303	0
15	64	61	63	267	309	0
16	58	62	59	262	208	0
17	56	60	56	261	160	0
18	56	59	53	270	147	0
19	63	59	55	283	138	0
20	67	60	58	297	128	0
21	66	61	64	311	126	0
22	65	65	70	310	121	0
23	65	70	68	306	123	0
24	65	72	66	306	121	0
25	71	73	69	307	69	0
26	71	66	72	297	28	0
27	71	63	83	288	8	0
28	71	64	102	281	0	0
29	71	64	148	272	0	0
30	71	63	203	267	0	0
31	--	62	--	263	0	0
S.F.	1190	2009	2155	9008	5568	0
Mean	40	65	72	291	180	0
Max.	71	73	203	327	309	0
Min.	0	59	53	249	0	0
A.F.	2360	3980	4270	17870	11040	0

Water diverted 39520 A.F.
 Acreage reported D-24,25,29 & 30-9387; A-3869AR-1415; A-6214-9612; A-9697-157; A-9802-132; Total- 20703

DAILY DIVERSIONS OF CANALS--1977
 EARNEST CANAL (Combined flow-North & South) from
 Niobrara River--Measured through rating flumes
 SW $\frac{1}{4}$ SE $\frac{1}{4}$ & NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-29-56 W.
 Nr. Harrison, 6 miles south on Hiway 29, 6 $\frac{1}{2}$ miles
 south on county road, 3/4 mile south on trail road,
 on north and south river banks.

Date	May	June	July	Aug.	Sept.
1	0	6	3	2	4
2	0	3	3	2	3
3	0	3	3	2	3
4	0	3	3	1	2
5	0	4	3	1	2
6	0	3	3	1	2
7	0	3	3	1	1
8	0	3	3	1	0
9	0	4	3	1	0
10	8	4	3	1	0
11	8	4	3	3	0
12	4	4	3	4	0
13	8	4	3	3	0
14	8	4	3	2	0
15	8	4	1	2	0
16	8	4	0	1	0
17	8	4	0	1	0
18	8	4	0	3	0
19	8	4	1	11	0
20	8	4	1	13	0
21	8	4	1	13	0
22	8	4	2	9	0
23	8	3	2	6	0
24	8	3	2	3	0
25	7	3	3	2	0
26	7	3	3	2	0
27	6	3	3	2	0
28	7	3	3	3	0
29	4	3	2	4	0
30	5	3	2	4	0
31	7	--	1	4	--
S.F.	159	108	69	108	17
Mean	5	4	2	3	1
Max.	8	6	3	13	4
Min.	0	3	0	1	0
A.F.	320	210	140	210	30

Water diverted 910 A.F.
 Acreage reported D-514a-189; D-514b-150; A-1362-102; Total-441

DAILY DIVERSIONS OF CANALS--1977
 EMPIRE CANAL from North Platte River via Belmont
 Canal--Measured through 4-foot Parshall flume
 SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 20-20-51 W.
 Nr. Bridgeport. 7.3 miles west on Hiway 29, 6/10
 mile north, 4/10 mile east, 1/10 mile north, 2/10
 mile east, on left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	22	0	23	28	22	22
2	24	0	34	29	20	22
3	23	0	30	29	24	23
4	22	0	30	30	25	23
5	13	0	29	30	25	21
6	14	0	33	27	26	22
7	16	0	31	28	26	21
8	16	0	24	28	24	21
9	5	0	26	28	21	22
10	0	0	27	28	21	22
11	0	0	26	28	20	23
12	0	0	28	27	20	23
13	0	0	29	21	21	23
14	0	0	29	18	22	22
15	0	0	29	17	20	21
16	0	0	28	19	21	22
17	0	0	29	19	21	24
18	0	0	29	19	20	25
19	0	0	30	18	19	25
20	0	0	30	20	18	25
21	0	0	31	24	19	25
22	0	0	30	26	19	25
23	0	13	30	28	19	25
24	0	29	30	28	24	25
25	0	31	30	28	26	26
26	0	31	30	27	24	22
27	0	30	30	27	22	19
28	0	29	29	27	22	19
29	0	29	29	26	24	19
30	0	28	29	25	23	10
31	0	26	--	24	23	--
S. F.	155	246	872	781	681	667
Mean	5	8	29	25	22	22
Max.	24	31	34	30	26	26
Min.	0	0	23	17	18	10
A. F.	310	490	1730	1550	1350	1320

Water diverted 6750 A.F.
 Acreage reported D-858-2111; A-866-75; Total-
 2186

DAILY DIVERSIONS OF CANALS--1977
 ENTERPRISE CANAL from North Platte River--Measured
 through rating flume--NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-23-57 W.
 Nr. Morrill. 6/10 mile north, 4/10 mile east, on
 left bank

Date	Oct.	May	June	July	Aug.	Sept.
1	21	0	59	67	105	77
2	21	32	58	96	105	77
3	21	59	56	94	107	76
4	21	56	56	101	117	77
5	22	51	54	101	110	78
6	13	60	53	124	105	74
7	0	62	53	119	97	72
8	0	70	53	92	94	70
9	0	98	39	87	94	70
10	0	93	10	75	94	69
11	0	69	2	93	94	71
12	0	59	4	94	96	71
13	0	56	6	88	98	76
14	0	58	7	99	96	72
15	0	51	9	106	94	71
16	0	49	10	118	94	71
17	0	47	19	111	103	72
18	0	56	16	102	101	75
19	0	59	21	105	98	76
20	0	64	23	125	89	76
21	0	64	1	118	89	56
22	0	64	0	107	92	41
23	0	66	0	110	87	42
24	0	67	0	111	87	46
25	0	68	0	102	92	48
26	0	65	0	106	82	55
27	0	57	0	102	85	63
28	0	55	1	103	84	64
29	0	60	47	97	80	64
30	0	60	57	97	78	30
31	0	60	--	93	79	--
S. F.	119	1835	714	3143	2926	1980
Mean	4	59	24	101	94	66
Max.	22	98	59	125	117	78
Min.	0	0	0	67	78	30
A. F.	240	3640	1420	6230	5800	3930

Water diverted 21260 A.F.
 Acreage reported D-920-7533

DAILY DIVERSIONS OF CANALS--1977
 ENTERPRISE CANAL from Tub Springs Creek
 Sec. 32-23-55 W.

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.

DAILY DIVERSIONS OF CANALS--1977
 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	3	2	0
2	0	0	3	2	0
3	0	0	2	2	0
4	0	0	2	2	0
5	0	0	1	2	0
6	0	0	1	2	0
7	0	0	1	2	0
8	0	0	1	2	0
9	0	0	1	2	0
10	0	0	1	2	0
11	0	0	1	2	0
12	0	0	1	2	0
13	0	0	1	2	0
14	0	0	1	2	0
15	0	0	1	2	0
16	0	0	1	2	0
17	0	0	1	2	0
18	0	0	1	2	0
19	0	0	1	2	0
20	0	0	1	2	0
21	0	0	1	2	0
22	0	0	2	2	0
23	0	0	2	2	0
24	0	1	2	2	0
25	0	1	2	2	0
26	0	1	2	2	0
27	0	2	2	1	0
28	0	2	2	1	0
29	0	3	2	1	0
30	0	3	2	1	0
31	0	--	2	0	--
S. F.	0	13	47	56	0
Mean	0	0	2	2	0
Max.	0	3	3	2	0
Min.	0	0	1	0	0
A. F.	0	30	90	110	0

Water diverted 230 A.F.

DAILY DIVERSIONS OF CANALS--1977
 ENTERPRISE CANAL from Morrill Drain
 Measured in channel of drain--Sec. 14-23-57 W.

Date	May	June	July	Aug.	Sept.
1	0	0	0	2	2
2	0	0	0	2	2
3	0	0	0	2	2
4	0	0	0	2	2
5	0	1	0	2	2
6	0	1	0	3	2
7	0	1	0	3	2
8	0	1	0	3	2
9	0	1	0	3	2
10	0	1	0	3	2
11	0	1	0	3	2
12	0	1	0	4	2
13	0	1	0	4	3
14	0	1	0	4	3
15	0	1	0	4	3
16	0	1	0	4	3
17	0	1	0	4	3
18	0	1	0	4	3
19	0	1	0	4	3
20	0	1	0	4	3
21	0	1	0	4	3
22	0	1	1	4	3
23	0	1	1	3	3
24	0	0	1	3	3
25	0	0	1	3	3
26	0	0	1	3	3
27	0	0	1	3	2
28	0	0	2	3	2
29	0	0	2	3	2
30	0	0	2	3	2
31	0	-	2	3	-
S.F.	0	19	14	100	74
Mean	0	1	0	3	2
Max.	0	1	2	4	3
Min.	0	0	0	2	2
A.F.	0	40	30	200	150

Water diverted 420 A.F.

DAILY DIVERSIONS OF CANALS--1977

ENTERPRISE CANAL
 Summary in Acre-feet-- 1977

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:							
North Platte River.....	240	3640	1420	6230	5800	3930	21260
Morrill Drain.....	0	0	40	30	200	150	420
Dry Spottedtail Creek..	0	0	0	0	0	0	0
Tub Springs.....	0	0	0	0	0	0	0
Winter Creek.....	0	0	30	90	110	0	230
Total.....	240	3640	1490	6350	6110	4080	21910
Water diverted							
Natural					21910	A.F.	
Storage					0	A.F.	

DAILY DIVERSIONS OF CANALS--1977
 ENTERPRISE CANAL PUMP from Niobrara River
 NW $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 27-29-50 W.
 Nr. Marsland. 7 miles east, 1/2 mile south,
 on south river bank

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	1	0	0
5	0	0	1	0	0
6	0	0	1	0	0
7	0	0	1	1	0
8	0	0	1	1	0
9	0	0	0	1	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	1	1	0	0	0
21	1	1	0	0	0
22	1	1	0	0	0
23	1	1	0	0	0
24	1	1	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.	5	5	5	3	0
Mean	0	0	0	0	0
Max.	1	1	1	1	0
Min.	0	0	0	0	0
A.F.	10	10	10	10	0

Water pumped 40 A.F.
 Acreage reported D-461-98; A-5181-76;
 Total-174

DAILY DIVERSIONS OF CANALS--1977
 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 1/2 mile south, 1/2 mile
 southeast, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	3	0	0	0
2	0	4	0	0	0
3	0	4	1	0	0
4	0	0	1	0	0
5	0	0	1	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	1	0	0
10	0	2	1	0	0
11	0	0	0	0	0
12	0	1	3	0	0
13	0	2	2	0	0
14	0	2	1	0	0
15	0	2	1	0	0
16	0	2	1	0	0
17	0	2	1	0	0
18	0	1	1	0	0
19	0	1	1	0	0
20	0	1	1	0	0
21	0	1	1	0	0
22	0	2	1	0	0
23	0	1	1	0	0
24	0	1	0	0	0
25	0	5	0	0	0
26	0	3	0	0	0
27	0	2	0	0	0
28	0	2	0	0	0
29	0	1	0	0	0
30	0	0	0	0	0
31	0	-	0	0	-
S.F.	0	45	20	0	0
Mean	0	2	1	0	0
Max.	0	5	3	0	0
Min.	0	0	0	0	0
A.F.	0	90	40	0	0

Water diverted 130 A.F.
 Acreage reported D-568-200; A-2264-134;
 Total-334

DAILY DIVERSIONS OF CANALS--1977
 FARWELL CANAL from Middle Loup River--Measured
 through 25-foot Parshall flume--SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-18-17 W.
 Nr. Comstock. 3.2 miles southeast to canal, 1.3 mile
 east of Arcadia Diversion Dam, on left bank

Date	Oct.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	506	0	392	211	80	132	115	429
2	506	0	402	211	77	98	197	426
3	503	0	397	211	80	99	219	429
4	486	0	392	209	66	95	260	426
5	489	0	400	209	79	69	299	431
6	489	0	397	207	80	51	389	429
7	497	0	395	211	89	62	418	429
8	497	0	397	211	139	164	458	429
9	497	0	392	211	280	211	470	429
10	495	0	377	209	280	313	461	429
11	497	0	377	205	258	440	467	429
12	500	0	392	168	236	492	467	418
13	500	0	400	146	299	503	408	397
14	500	0	400	151	359	495	408	410
15	500	0	400	148	356	475	410	402
16	500	0	400	160	374	450	410	402
17	500	25	402	158	418	359	408	408
18	500	34	387	146	434	282	395	408
19	458	0	397	95	364	139	392	410
20	344	0	372	83	400	37	408	410
21	292	0	249	81	413	107	410	410
22	144	0	175	72	402	230	416	410
23	37	0	197	87	402	228	412	127
24	0	20	197	76	400	228	405	0
25	0	149	187	74	413	242	395	0
26	0	240	199	76	445	256	410	0
27	0	280	207	69	431	280	429	0
28	0	282	217	61	423	260	431	0
29	0	349	217	61	327	253	416	0
30	0	392	213	61	267	236	421	0
31	0	377	---	64	---	253	423	-
S.F.	10237	2148	9926	4342	8671	7539	12027	9327
Mean	330	69	331	140	289	243	388	311
Max.	506	392	402	211	445	503	470	431
Min.	0	0	187	61	66	37	115	0
A.F.	20300	4260	19690	8610	17200	14950	23860	18500
Water diverted 127730 A.F.								
Acreage reported A-4423-49200; A-5710-1473; A-10260a & b-Supp;								
A-10470-320; Total-50993								

DAILY DIVERSIONS OF CANALS--1977
 FARWELL "MAIN" CANAL from Middle Loup River
 Measured through six constant head orifice gates
 NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1-15-14 W.
 Below Sherman Reservoir. 3/10 mile below outlet
 structure, on left bank

Date	May	June	July	Aug.	Sept.
1	0	0	582	432	0
2	0	0	579	460	0
3	0	0	572	474	0
4	0	0	579	477	0
5	0	0	572	357	0
6	0	0	608	234	0
7	0	0	615	204	0
8	0	37	494	142	0
9	0	97	302	114	0
10	0	97	257	112	0
11	0	95	192	112	0
12	0	93	168	117	0
13	0	117	175	140	0
14	0	132	175	144	0
15	0	130	202	121	0
16	0	152	269	94	0
17	0	164	290	72	0
18	0	164	458	70	0
19	0	175	583	73	0
20	0	185	636	79	0
21	0	208	636	78	0
22	0	208	601	79	0
23	0	202	543	80	0
24	0	208	526	75	0
25	0	231	506	67	0
26	0	237	492	55	0
27	0	303	483	0	0
28	0	395	474	0	0
29	0	459	453	0	0
30	0	528	432	0	0
31	0	---	424	0	-
S.F.	0	4617	13878	4462	0
Mean	0	154	448	144	0
Max.	0	528	636	477	0
Min.	0	0	168	0	0
A.F.	0	9160	27530	8850	0
Water released 45540 A.F.					

DAILY DIVERSIONS OF CANALS--1977
 FARWELL "SOUTH" CANAL from Middle Loup River
 Measured through four constant head orifice gates
 NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1-15-14 W.
 Below Sherman Reservoir. 3/10 mile below outlet
 structure, on right bank

Date	May	June	July	Aug.	Sept.
1	0	0	306	272	0
2	0	0	321	284	0
3	0	0	327	276	0
4	0	0	350	263	0
5	0	0	364	244	0
6	0	0	403	213	0
7	0	28	414	207	0
8	0	54	375	177	0
9	0	54	309	155	0
10	0	76	298	148	0
11	0	81	250	146	0
12	0	67	225	146	0
13	0	67	225	146	0
14	0	67	225	146	0
15	0	85	238	140	0
16	0	101	250	103	0
17	0	117	266	89	0
18	0	117	332	89	0
19	0	117	374	86	0
20	0	117	384	80	0
21	0	120	373	80	0
22	0	115	350	80	0
23	0	110	312	81	0
24	0	110	302	73	0
25	0	120	310	64	0
26	0	122	272	43	0
27	0	138	272	0	0
28	0	179	274	0	0
29	0	240	274	0	0
30	0	270	272	0	0
31	0	---	268	0	-
S.F.	0	2672	9515	3831	0
Mean	0	89	307	123	0
Max.	0	270	414	284	0
Min.	0	0	225	0	0
A.F.	0	5300	18870	7600	0
Water released 31770 A.F.					

DAILY DIVERSIONS OF CANALS--1977
 FARWELL MAIN And SOUTH CANALS(Combined Flow)
 Total released from Sherman Reservoir
 Sec. 1-15-14 W.

Date	May	June	July	Aug.	Sept.
1	0	0	888	704	0
2	0	0	900	744	0
3	0	0	899	750	0
4	0	0	929	740	0
5	0	0	936	601	0
6	0	0	1011	447	0
7	0	28	1029	411	0
8	0	91	869	319	0
9	0	151	611	269	0
10	0	173	555	260	0
11	0	176	442	258	0
12	0	160	393	263	0
13	0	184	400	286	0
14	0	199	400	290	0
15	0	215	440	261	0
16	0	253	519	197	0
17	0	281	556	161	0
18	0	281	790	159	0
19	0	292	957	159	0
20	0	302	1020	159	0
21	0	328	1009	158	0
22	0	323	951	159	0
23	0	312	855	161	0
24	0	318	828	148	0
25	0	351	816	131	0
26	0	359	764	98	0
27	0	441	755	0	0
28	0	574	748	0	0
29	0	699	727	0	0
30	0	798	704	0	0
31	0	---	692	0	0
S. F.	0	7289	23393	8293	0
Mean	0	243	755	268	0
Max.	0	798	1029	750	0
Min.	0	0	393	0	0
A. F.	0	14460	46400	16450	0

Water released 77310 A.F.
 Acreage reported A-4423-49200; A-5710-
 1473; A-10260a & b-Supp. A-10470-320;
 Total-50993

DAILY DIVERSIONS OF CANALS--1977
 FRANKLIN CANAL from Republican River--Measured
 through orifice--NW&NE, 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	214	199	0
2	0	0	223	221	0
3	0	0	224	220	0
4	0	0	232	168	0
5	0	0	245	111	0
6	0	0	248	93	0
7	0	0	248	89	0
8	0	0	250	43	0
9	0	0	251	0	0
10	0	0	251	0	0
11	0	0	249	0	0
12	0	0	250	0	0
13	0	0	251	29	0
14	0	0	251	78	0
15	0	0	234	78	0
16	0	64	200	73	0
17	0	98	181	69	0
18	0	97	191	69	0
19	0	98	225	69	0
20	0	111	250	79	0
21	0	118	251	84	0
22	0	118	251	77	0
23	0	124	250	74	0
24	0	137	248	74	0
25	0	133	226	74	0
26	0	133	187	27	0
27	0	145	171	0	0
28	0	167	160	0	0
29	0	176	151	0	0
30	0	190	170	0	0
31	0	---	181	0	0
S. F.	0	1909	6914	2098	0
Mean	0	64	223	68	0
Max.	0	190	251	221	0
Min.	0	0	151	0	0
A. F.	0	3790	13710	4160	0

Water diverted 21660 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; Total-11209

DAILY DIVERSIONS OF CANALS--1977
 FORT LARAMIE CANAL from North Platte River--Measured
 through Parshall flume--SW&NW, Sec. 10-26-65 W.

Date	May	June	July	Aug.	Sept.
1	0	803	1382	1406	1208
2	0	796	1406	1412	1211
3	0	768	1427	1452	1194
4	0	764	1489	1443	1163
5	587	766	1524	1446	1163
6	659	666	1520	1430	1160
7	655	657	1524	1403	1163
8	718	673	1520	1403	1160
9	788	701	1524	1406	1157
10	881	892	1530	1409	1157
11	963	958	1530	1400	1157
12	1031	892	1527	1412	1157
13	1129	884	1527	1430	1157
14	1157	846	1527	1430	1157
15	1226	801	1520	1433	1157
16	1258	808	1514	1437	1157
17	1284	853	1502	1433	1154
18	1325	941	1505	1433	1168
19	1346	1006	1511	1433	1179
20	1373	1012	1514	1400	1179
21	1403	897	1461	1376	1174
22	1400	923	1461	1376	998
23	1373	979	1440	1373	701
24	1361	1048	1406	1370	458
25	1319	1062	1397	1367	0
26	1214	1115	1349	1349	0
27	977	1179	1346	1328	0
28	928	1217	1352	1284	0
29	905	1284	1367	1278	0
30	876	1331	1400	1282	0
31	828	----	1406	1252	0
S. F.	28964	27522	45408	43086	26689
Mean	934	917	1465	1390	890
Max.	1403	1331	1530	1452	1211
Min.	0	657	1346	1252	0
A. F.	57450	54590	90060	85460	52940

Water diverted 340500 A.F.
 Acreage reported A-768 Nebr-54846;
 A-768 Wyo-50210; Total-105056

DAILY DIVERSIONS OF CANALS--1977
 FRANKLIN PUMP CANAL from Republican River--Measured
 through 4-foot Parshall flume--NW&NE, 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	29	33	0
2	0	0	32	32	0
3	0	0	33	30	0
4	0	0	33	11	0
5	0	0	33	0	0
6	0	0	34	0	0
7	0	0	35	0	0
8	0	0	35	0	0
9	0	0	35	0	0
10	0	0	35	0	0
11	0	31	35	0	0
12	0	26	34	0	0
13	0	8	34	0	0
14	0	8	34	0	0
15	0	12	29	0	0
16	0	14	23	0	0
17	0	19	23	0	0
18	0	24	26	0	0
19	0	24	29	0	0
20	0	25	31	0	0
21	0	26	32	0	0
22	0	26	33	0	0
23	0	25	34	0	0
24	0	25	34	0	0
25	0	26	34	0	0
26	0	25	34	0	0
27	0	25	34	0	0
28	0	24	34	0	0
29	0	28	34	0	0
30	0	29	34	0	0
31	0	---	33	0	0
S. F.	0	450	1002	106	0
Mean	0	15	32	3	0
Max.	0	31	35	33	0
Min.	0	0	23	0	0
A. F.	0	890	1990	210	0

Water diverted 3090 A.F.
 Acreage reported A-4227-1913; A-6222-188;
 A-10962-8; Total-2109

DAILY DIVERSIONS OF CANALS--1977
GERING CANAL from North Platte River--Measured
through rating flume--NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 29-22-55 W.
Nr. Gering. 5 miles west from Hiway Junction 71
& 92, cross canal, turn right, 3/4 mile down canal

Date	May	June	July	Aug.	Sept.
1	0	122	222	164	103
2	0	129	221	152	95
3	0	128	219	164	86
4	0	124	219	179	82
5	0	121	225	164	91
6	0	116	215	168	80
7	0	130	212	164	100
8	0	128	218	163	127
9	0	160	226	161	148
10	42	141	229	149	140
11	136	127	228	155	137
12	158	122	228	156	137
13	152	141	225	155	142
14	137	135	228	148	141
15	129	137	228	156	149
16	128	136	179	156	148
17	109	135	174	160	144
18	115	130	170	158	149
19	127	135	174	158	169
20	141	149	185	149	178
21	137	222	193	148	178
22	147	170	190	148	173
23	147	176	188	142	136
24	142	170	193	140	115
25	142	174	185	135	115
26	148	184	180	133	112
27	155	190	182	136	105
28	156	221	198	135	107
29	144	239	176	131	117
30	127	233	169	122	112
31	122	---	168	104	---
S.F.	2941	4625	6247	4653	3816
Mean	95	154	202	150	127
Max.	158	239	229	179	178
Min.	0	116	168	104	80
A.F.	5830	9170	12390	9230	7570

Water diverted 44190 A.F.
Acreage reported A-365R-13506

DAILY DIVERSIONS OF CANALS--1977
GRAF CANAL from Blue Creek--Measured
through Parshall flume--SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19-16-42 W.
Nr. Lowell. 1 mile west on Hiway 26, 3/10 mile
south, 2/10 mile west, through gate on ease side
of ditch, 1/10 mile to shelter

Date	May	June	July	Aug.	Sept.
1	0	0	11	12	12
2	0	0	11	14	12
3	0	0	9	14	11
4	0	6	6	16	11
5	0	2	6	17	11
6	0	6	9	13	10
7	0	3	10	15	12
8	0	1	16	14	12
9	0	6	13	13	7
10	0	5	6	12	6
11	0	3	6	13	6
12	0	5	11	13	6
13	0	3	13	13	6
14	0	0	14	14	7
15	0	3	14	14	6
16	0	5	12	13	6
17	0	5	8	12	6
18	0	5	6	13	6
19	0	6	10	13	7
20	0	6	10	13	5
21	0	3	9	12	4
22	0	4	7	13	5
23	0	4	1	14	4
24	0	4	1	16	4
25	0	7	2	15	4
26	0	8	10	14	4
27	0	9	16	13	4
28	0	11	15	12	4
29	0	10	14	12	4
30	0	10	12	12	4
31	0	---	12	12	---
S.F.	0	140	300	416	206
Mean	0	5	10	13	7
Max.	0	11	16	17	12
Min.	0	0	1	12	4
A.F.	0	280	600	830	410

Water diverted 2120 A.F.
Acreage reported D-763R-85; D-788-982;
Total-1067

DAILY DIVERSIONS OF CANALS--1977
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	110	303	332	98
2	0	90	332	334	93
3	24	89	343	330	94
4	108	100	341	324	87
5	82	80	339	322	89
6	69	105	341	324	91
7	66	108	343	311	79
8	70	97	339	313	74
9	72	97	345	318	72
10	68	87	343	318	74
11	72	72	334	309	87
12	81	95	332	299	85
13	79	94	332	297	69
14	76	89	320	309	59
15	78	84	330	311	47
16	66	84	332	283	22
17	69	66	334	273	0
18	91	64	337	275	0
19	97	55	343	265	0
20	93	0	339	248	0
21	61	0	341	242	0
22	82	0	339	218	0
23	74	28	332	175	0
24	66	123	330	147	0
25	85	126	328	140	0
26	87	126	330	140	0
27	91	152	328	143	0
28	81	155	322	140	0
29	90	194	318	134	0
30	98	220	334	125	0
31	97	---	339	102	---
S.F.	2273	2790	10343	7801	1220
Mean	73	93	334	252	41
Max.	108	220	345	334	98
Min.	0	0	303	102	0
A.F.	4510	5530	20520	15470	2420

Water diverted 48450 A.F.
Acreage reported D-645a-860; D-645b-17000;
A-3716-4585; A-11798-623; A-14020-49;
Total-23117

DAILY DIVERSIONS OF CANALS--1977
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 1/2 miles east on county road, 1/2 mile
south on trail road, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	7	4	4	7
2	0	6	4	4	7
3	0	6	4	4	7
4	0	6	3	4	7
5	0	6	3	4	7
6	0	6	3	5	7
7	0	6	3	5	7
8	0	5	3	5	3
9	0	1	3	5	0
10	0	1	3	5	0
11	0	1	3	5	0
12	2	2	3	5	0
13	6	6	3	4	0
14	8	5	3	4	0
15	8	5	3	4	0
16	10	5	2	4	0
17	10	4	2	6	0
18	10	4	2	6	0
19	10	5	2	5	0
20	10	5	2	4	0
21	9	6	3	5	0
22	9	6	3	9	0
23	9	6	3	10	0
24	9	5	3	8	0
25	9	6	3	7	0
26	9	5	4	7	0
27	9	5	4	7	0
28	8	5	5	6	0
29	7	4	5	6	0
30	7	4	4	6	0
31	7	---	4	6	---
S.F.	166	144	99	169	52
Mean	5	5	3	5	2
Max.	10	7	5	10	7
Min.	0	1	2	4	0
A.F.	330	290	200	340	100

Water diverted 1260 A.F.
Acreage reported D-517-600; A-2275-509;
Total-1109

DAILY DIVERSIONS OF CANALS--1977
 GEO HITSHEW CANAL from Niobrara River--Measured
 through rating flume--SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-28-52 W.
 Nr. Marsland. 6 $\frac{1}{2}$ miles west from Hiway 2 and
 river road junction, 1 mile southwest driveway,
 1 $\frac{1}{2}$ mile south and east on trail road, on south
 river bank

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0.2	0	0	0	0
12	.5	0	0	0	0
13	.2	0	0	0	0
14	.1	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	-	0	0	-
S.F.	1.0	0	0	0	0
Mean	0	0	0	0	0
Max.	0.5	0	0	0	0
Min.	0	0	0	0	0
A.F.	2.0	0	0	0	0

Water diverted 2 A.F.
 Acreage reported A-1260-274

DAILY DIVERSIONS OF CANALS--1977
 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

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	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	1	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.	1	1	0	0	0
Mean	0	0	0	0	0
Max.	1	1	0	0	0
Min.	0	0	0	0	0
A.F.	2	2	0	0	0

Water pumped 4 A.F.
 Acreage reported A-5772-87

DAILY DIVERSIONS OF CANALS--1977
 HITSHEW PUMP NO. 2 from Niobrara River
 SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-28-52 W.
 Nr. Marland. 6 $\frac{1}{2}$ miles west on north river
 bank

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

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

DAILY DIVERSIONS OF CANALS--1977
 HOOPER CANAL from Blue Creek--Measured
 through 3-foot Parshall flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-16-42 W.
 Nr. Lewellen. 1 mile west on Hiway 26, 3.4 miles north
 4/10 south on trail road, south and west

Date	Oct.	May	June	July	Aug.	Sept.
1	9	0	0	8	13	8
2	11	0	0	9	13	8
3	12	0	0	11	13	7
4	12	0	4	11	14	6
5	12	0	7	13	14	6
6	12	0	8	13	13	7
7	15	0	8	13	13	8
8	12	0	5	13	12	8
9	15	0	7	13	12	8
10	16	0	7	6	13	7
11	13	0	7	9	13	7
12	13	0	8	11	13	7
13	2	0	6	11	14	8
14	2	0	12	13	14	7
15	1	0	13	5	15	7
16	0	0	13	12	12	7
17	0	0	13	12	12	7
18	0	0	14	12	13	7
19	0	0	13	13	13	9
20	0	0	11	13	13	8
21	0	0	5	13	13	8
22	0	0	9	13	13	10
23	0	0	12	13	7	13
24	0	0	12	12	6	12
25	0	0	13	13	8	12
26	0	3	13	13	9	12
27	0	3	11	13	9	11
28	0	1	11	13	9	11
29	0	0	11	13	9	11
30	0	0	11	13	9	13
31	0	0	--	12	9	--
S.F.	157	7	264	362	363	260
Mean	5	0	9	12	12	9
Max.	16	3	14	13	15	13
Min.	0	0	0	5	6	6
A.F.	310	10	520	720	720	520

Water diverted 2800 A.F.
 Acreage reported D-781-872

DAILY DIVERSIONS OF CANALS--1977
 INTERSTATE CANAL from North Platte River--Measured
 through rating flume--NE&NW Sec. 11-26-65 W., Wyo.

Date	Oct.	Apr.	May	June	July	Aug.	Sept.
1	894	0	600	0	1630	1695	0
2	952	0	908	0	1684	1691	498
3	943	0	1004	0	1708	1681	1097
4	952	0	998	0	1842	1681	1377
5	954	0	1033	0	1880	1667	1370
6	957	0	1094	0	1948	1671	1374
7	960	0	1102	604	1952	1661	1377
8	960	0	1166	1207	1952	1654	1374
9	960	0	1210	1351	1994	1650	1377
10	963	0	1345	1207	2009	1657	1380
11	957	0	1374	1188	2005	1664	1377
12	957	0	1390	1351	2001	1671	1377
13	688	0	1545	1380	2005	1674	1377
14	368	0	1576	1386	2001	1681	1374
15	0	0	1579	1220	1994	1688	1386
16	0	0	1620	1094	1998	1688	1473
17	0	0	1640	1085	1998	1684	1470
18	0	150	1678	1097	1998	1684	1473
19	0	558	1684	1134	1990	1681	1467
20	0	782	1752	1262	1956	1688	1473
21	0	806	1769	934	1827	1684	1463
22	0	801	1732	564	1830	1688	1454
23	0	793	1725	82	1846	1358	1358
24	0	795	1735	0	1846	795	1351
25	0	790	1644	0	1783	454	1351
26	0	780	1613	0	1715	0	1342
27	0	583	1610	0	1678	0	1342
28	0	496	1204	416	1691	0	1050
29	0	494	695	1068	1688	0	579
30	0	496	358	1412	1691	0	23
31	0	---	0	---	1688	0	---
S. F.	12465	8324	40383	21042	57828	39490	36784
Mean	402	277	1303	701	1865	1274	1226
Max.	963	806	1769	1412	2009	1695	1473
Min.	0	0	0	0	1630	0	0
A. F.	24720	16510	80100	41740	114700	78330	72960

Water diverted 429060 A.F.
 Acreage reported A-768 Nebr 100949; A-768 Wyo-11500;
 Total-112449

DAILY DIVERSIONS OF CANALS--1977
 JOHNSON CANAL from Niobrara River--Measured through
 1½-foot Parshall flume--SE&SE Sec. 35-31-57 W.
 Nr. Harrison. 5 miles south on Hwy 29, 3½ miles
 west to auto-gate, 1 mile north, on east river bank

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

Water diverted 120 A.F.
 Acreage reported D-511R-146

DAILY DIVERSIONS OF CANALS--1977
 KEARNEY IRRIGATION CANAL from Platte River--Measured
 through Parshall flume--NW&SW Sec. 3-8-18 W.
 Nr. Elm Creek. 1 mile east on Hwy 30, 1 mile south,
 6/10 mile east, 8/10 mile south, 600 feet on canal

Date	Oct.	May	June	July	Aug.	Sept.
1	0	83	21	47	99	22
2	14	63	15	74	82	3
3	134	4	0	39	120	0
4	21	102	3	40	96	75
5	0	52	27	46	87	39
6	0	38	63	68	76	56
7	0	8	17	68	67	42
8	0	77	32	77	87	45
9	0	49	22	86	60	0
10	0	31	8	96	85	0
11	0	51	26	60	58	77
12	0	43	76	51	71	76
13	0	20	58	63	51	20
14	0	11	20	61	29	30
15	0	65	42	66	31	29
16	0	49	54	46	35	0
17	0	33	5	62	31	22
18	0	31	41	72	28	70
19	0	50	187	48	34	35
20	0	0	134	103	19	24
21	0	29	12	115	32	20
22	0	34	31	79	13	22
23	0	22	27	94	0	0
24	0	40	0	110	8	0
25	0	17	17	84	5	95
26	0	21	57	72	10	50
27	0	56	57	80	0	17
28	0	87	18	96	10	27
29	0	35	30	97	30	42
30	0	0	48	105	8	0
31	0	7	--	105	16	--
S. F.	169	1208	1148	2310	1378	938
Mean	5	39	38	75	44	31
Max.	134	102	187	115	120	95
Min.	0	0	0	39	0	0
A. F.	340	2400	2280	4580	2730	1860

Water diverted 14190 A.F.
 Acreage reported D-1023-3992; A-8399-1676;
 A-9844-1027; A-10168-320; A-10871-579; Total-7594

DAILY DIVERSIONS OF CANALS--1977
 KEARNEY CANAL for Power and Irrigation from Platte River
 Measured through Parshall flume--NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 3-8-18 W.
 Nr. Elm Creek. 1 mile east on Hiway 30, 1 mile south, 6/10 mile east, 8/10 mile south,
 600 feet on canal

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	193	329	0	0	0	0	212	195	263	209	207	294
2	104	324	0	0	0	0	201	274	280	201	222	260
3	212	327	0	0	0	0	228	166	244	197	232	183
4	327	324	0	0	0	0	287	232	205	170	254	226
5	329	327	0	0	0	0	280	263	218	153	247	276
6	334	226	0	0	0	0	301	272	258	157	265	308
7	334	177	0	0	0	0	301	185	251	151	278	305
8	280	327	0	0	0	0	289	228	251	153	301	312
9	136	324	0	0	0	0	226	287	247	168	294	280
10	168	320	0	0	0	0	249	269	238	254	292	193
11	320	320	0	0	0	0	296	263	158	285	272	226
12	320	155	0	0	0	0	294	278	240	298	267	327
13	312	0	0	0	0	0	280	267	269	305	269	308
14	320	0	0	0	0	0	280	181	265	303	269	301
15	162	0	0	0	0	63	260	265	260	289	265	301
16	58	0	0	0	0	166	189	274	263	269	260	247
17	76	0	0	0	0	172	251	267	247	249	272	222
18	136	0	0	0	0	172	303	260	214	254	272	254
19	308	0	0	0	0	177	267	280	209	230	260	292
20	267	0	0	0	0	172	267	244	265	195	228	296
21	195	0	0	0	0	172	265	240	274	216	247	285
22	228	0	0	0	0	187	269	260	276	214	278	289
23	287	0	0	0	0	212	267	269	276	187	292	242
24	301	0	0	0	0	195	249	254	242	218	298	149
25	317	0	0	0	0	177	236	249	151	244	310	216
26	236	0	0	0	0	164	228	251	249	256	315	305
27	67	0	0	0	0	183	269	247	280	242	285	303
28	137	0	0	0	0	226	265	183	258	232	285	301
29	129	0	0	0	-	258	193	193	236	207	308	310
30	187	0	0	0	-	285	158	218	236	205	308	216
31	224	-	0	0	-	263	---	249	---	201	301	---
S.F.	7004	3480	0	0	0	3244	7660	7563	7323	6912	8453	8027
Mean	226	116	0	0	0	105	255	244	244	223	273	268
Max.	334	329	0	0	0	285	303	287	280	305	315	327
Min.	58	0	0	0	0	0	158	166	151	151	207	149
A.F.	13890	6900	0	0	0	6430	15190	15000	14520	13710	16770	15920
Water diverted	118330 A.F.											

DAILY DIVERSIONS OF CANALS--1977
 KEARNEY POWER RETURN to Platte River
 Measured in section of canal--NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 3-8-16 W.
 Nr. Kearney. On right bank 400 feet south of Hiway 30 inside west part of city

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	248	247	0	0	0	0	210	104	224	150	100	252
2	84	280	0	0	0	0	178	195	245	117	130	238
3	72	273	0	0	0	0	164	150	243	146	104	182
4	248	279	0	0	0	0	226	120	187	120	146	140
5	285	276	0	0	0	0	247	195	177	99	148	219
6	283	282	0	0	0	0	230	216	181	83	175	234
7	295	105	0	0	0	0	247	164	216	77	195	244
8	283	247	0	0	0	0	247	140	203	70	198	247
9	171	279	0	0	0	0	201	220	208	76	216	265
10	88	290	0	0	0	0	148	220	213	146	192	202
11	216	295	0	0	0	0	210	196	122	208	198	138
12	282	181	0	0	0	0	240	217	152	229	182	233
13	276	0	0	0	0	0	206	229	195	224	202	266
14	290	0	0	0	0	0	222	157	227	224	222	251
15	271	0	0	0	0	51	210	185	202	206	216	252
16	50	0	0	0	0	112	140	208	194	206	208	257
17	31	0	0	0	0	112	147	216	224	173	223	185
18	38	0	0	0	0	110	233	212	160	168	226	170
19	224	0	0	0	0	100	237	213	20	168	209	238
20	288	0	0	0	0	90	251	233	121	85	194	252
21	46	0	0	0	0	80	194	195	243	94	199	245
22	0	0	0	0	0	61	208	209	227	125	245	247
23	156	0	0	0	0	174	210	229	231	86	294	238
24	264	0	0	0	0	173	206	198	234	100	268	147
25	301	0	0	0	0	173	187	215	124	148	283	112
26	304	0	0	0	0	137	154	213	178	170	283	236
27	122	0	0	0	0	138	181	177	206	150	282	265
28	83	0	0	0	0	171	203	89	222	126	255	254
29	105	0	0	0	-	181	209	146	191	102	257	248
30	140	0	0	0	-	231	84	231	174	93	278	261
31	160	-	0	0	-	233	---	224	---	89	264	---
S.F.	5704	3034	0	0	0	2327	6030	5916	5744	4258	6592	6718
Mean	184	101	0	0	0	75	201	191	191	137	213	224
Max.	304	295	0	0	0	233	251	233	245	229	294	266
Min.	0	0	0	0	0	0	84	89	20	70	100	112
A.F.	11310	6020	0	0	0	4620	11960	11730	11390	8450	13080	13320
Water returned	91880 A.F.											

DAILY DIVERSIONS OF CANALS--1977
 KEITH-LINCOLN COUNTY CANAL from North Platte River
 Measured through Parshall flume--NE $\frac{1}{4}$ SW $\frac{1}{4}$ 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	0	84	90	62
2	0	0	89	95	61
3	0	0	86	92	64
4	0	0	84	90	64
5	35	0	86	81	65
6	53	0	89	74	67
7	53	0	91	73	67
8	53	0	87	47	66
9	53	0	68	86	67
10	53	0	3	86	67
11	53	0	24	84	68
12	44	0	67	85	69
13	43	6	66	68	68
14	44	25	73	44	67
15	46	29	85	36	66
16	40	33	91	36	66
17	47	36	89	61	63
18	49	37	90	81	60
19	48	36	94	80	58
20	44	36	99	82	58
21	46	35	67	79	63
22	43	34	84	79	62
23	43	35	82	78	64
24	42	61	83	69	62
25	38	74	84	58	61
26	44	77	90	78	61
27	45	79	87	83	59
28	44	77	84	76	58
29	44	79	84	65	60
30	5	83	87	57	32
31	0	--	86	44	--
S.F.	1152	872	2463	2237	1875
Mean	37	29	79	72	62
Max.	53	83	99	95	69
Min.	0	0	3	36	32
A.F.	2280	1730	4880	4440	3720

Water diverted 17050 A.F.
 Acreage reported D-722-5968

DAILY DIVERSIONS OF CANALS--1977
 LAKOTAH CANAL from Niobrara River--Measured
 through 2-foot Parshall flume--NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 1-30-57 W.
 Nr. Harrison. 5 miles south on 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	4	2	2	4
2	0	3	2	2	4
3	0	3	2	1	3
4	0	3	2	1	3
5	0	3	2	1	3
6	0	3	2	2	3
7	0	3	2	2	3
8	0	3	2	2	3
9	0	3	2	2	3
10	3	3	2	2	3
11	6	2	2	2	3
12	6	3	2	2	3
13	3	3	3	2	3
14	1	3	3	2	3
15	0	3	3	2	4
16	0	3	3	6	3
17	0	3	2	13	3
18	0	3	2	12	3
19	0	3	2	10	3
20	0	3	1	8	3
21	0	3	1	6	3
22	0	3	2	5	3
23	0	3	2	5	3
24	1	3	2	5	3
25	1	2	2	5	3
26	3	2	2	5	2
27	4	2	2	5	0
28	4	2	2	4	0
29	4	2	2	4	0
30	4	2	2	4	0
31	4	--	2	4	--
S.F.	44	84	64	129	80
Mean	1	3	2	4	3
Max.	6	4	3	13	4
Min.	0	2	1	1	0
A.F.	90	170	130	260	160

Water diverted 810 A.F.
 Acreage reported D-554-410

DAILY DIVERSIONS OF CANALS--1977
 LaBELLE CANAL from Niobrara River--Measured
 through rating flume--NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-28-54 W.
 Nr. Harrison. 2 $\frac{1}{2}$ miles south on Hiway 29,
 7 miles east on county road, on north river
 bank

Date	May	June	July	Aug.	Sept.
1	0	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	3	0	0	0	0
12	4	0	0	0	0
13	4	0	0	0	0
14	3	0	0	0	0
15	2	0	0	0	0
16	2	0	0	0	0
17	2	0	0	0	0
18	2	0	0	0	0
19	2	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.	24	0	0	0	0
Mean	1	0	0	0	0
Max.	4	0	0	0	0
Min.	0	0	0	0	0
A.F.	50	0	0	0	0

Water diverted 50 A.F.
 Acreage reported D-518-140; A-60-220;
 Total-360

DAILY DIVERSIONS OF CANALS--1977
 LAST CHANCE CANAL from Pumpkinseed Creek--Measured
 through rating flume--SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27-19-50 W.
 Nr. Bridgeport. 5.4 miles south on Hiway 88 to county
 road junction, 2/10 mile south, 1 mile east, 2/10 mile
 north on gravel road, east through farmyard, 6/10 mile
 northeast along fence, 2/10 mile to shelter

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	4	9	0	0	3	3	3
2	4	6	0	0	4	1	3
3	4	0	0	0	4	1	3
4	4	0	0	0	5	2	3
5	5	0	0	0	8	2	3
6	6	0	0	0	3	2	3
7	6	0	0	0	2	3	3
8	5	0	0	2	2	2	3
9	5	0	0	2	2	2	3
10	5	0	0	1	2	2	3
11	5	0	0	0	2	2	3
12	5	0	0	0	2	2	3
13	6	0	0	0	1	2	3
14	6	0	0	0	0	2	3
15	5	0	0	0	0	2	3
16	5	0	0	0	0	2	3
17	5	0	0	0	0	1	3
18	5	0	0	0	0	1	4
19	5	0	0	0	0	1	4
20	5	0	0	0	0	1	4
21	5	0	0	0	0	1	3
22	4	0	0	0	0	1	3
23	4	0	0	0	0	1	3
24	4	0	0	0	0	1	3
25	4	0	0	0	0	2	1
26	7	0	0	0	1	2	0
27	10	0	0	1	0	3	0
28	10	0	0	1	0	3	0
29	10	0	0	2	1	3	0
30	9	0	0	2	3	3	0
31	9	--	0	--	3	3	--
S.F.	176	15	0	9	48	59	76
Mean	6	1	0	0	2	2	3
Max.	10	9	0	2	8	3	4
Min.	4	0	0	0	0	1	0
A.F.	350	30	0	20	100	120	150

Water diverted 770 A.F.
 Acreage reported D-883-442

DAILY DIVERSIONS OF CANALS--1977
 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	3	3	0
2	0	0	3	3	0
3	0	0	3	3	0
4	0	0	2	3	0
5	0	0	2	3	0
6	0	0	2	3	0
7	0	0	1	3	0
8	0	0	1	3	0
9	0	1	0	3	0
10	0	3	0	2	0
11	0	3	0	2	0
12	0	3	0	2	0
13	0	3	0	2	0
14	0	4	0	2	0
15	0	3	0	2	0
16	0	3	0	2	0
17	0	3	0	2	0
18	0	3	0	2	0
19	0	1	0	2	0
20	0	0	0	2	0
21	0	0	0	2	0
22	0	0	0	2	0
23	0	0	0	2	0
24	0	0	0	1	0
25	0	0	0	0	0
26	0	0	2	0	0
27	0	1	2	0	0
28	0	1	2	0	0
29	0	2	1	0	0
30	0	2	2	0	0
31	0	-	2	0	-
S.F.	0	36	28	56	0
Mean	0	1	1	2	0
Max.	0	4	3	3	0
Min.	0	0	0	0	0
A.F.	0	70	60	110	0

Water diverted 240 A.F.
 Acreage reported D-479R-103; A-1086R-154;
 A-1088-31; A-1152R-17; A-2523R-66; A-2837R-
 102; A-3592R-46; Total-519

DAILY DIVERSIONS OF CANALS--1977
 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	4	5	5	0
2	0	4	5	5	0
3	0	4	5	5	0
4	0	4	5	5	0
5	0	4	5	5	0
6	0	5	5	5	0
7	0	5	5	5	0
8	0	5	5	5	0
9	0	5	5	5	0
10	0	5	5	5	0
11	0	6	5	5	0
12	0	6	5	5	0
13	0	6	5	4	0
14	0	6	4	4	0
15	0	6	4	4	0
16	0	6	5	4	0
17	0	6	5	5	0
18	0	5	5	5	0
19	0	5	4	5	0
20	0	5	4	4	0
21	0	6	5	0	0
22	0	6	5	0	0
23	0	6	5	0	0
24	0	6	5	0	0
25	0	6	5	0	0
26	0	5	5	0	0
27	0	5	5	0	0
28	0	5	6	0	0
29	0	5	5	0	0
30	0	5	5	0	0
31	2	-	5	0	-
S.F.	2	157	152	95	0
Mean	0	5	5	3	0
Max.	2	6	6	5	0
Min.	0	4	4	0	0
A.F.	0	310	300	190	0

Water diverted 800 A.F.
 Acreage reported D-513aR-575; D-513b-120;
 Total-695

DAILY DIVERSIONS OF CANALS--1977
 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
 south, 3/10 mile east on right canal bank

Date	Oct.	May	June	July	Aug.	Sept.
1	0	0	20	37	35	23
2	0	0	22	54	36	17
3	0	0	21	64	45	18
4	0	0	18	40	48	18
5	0	0	18	36	20	19
6	0	0	20	38	25	18
7	0	0	19	38	30	18
8	0	0	19	33	31	17
9	0	0	24	27	29	16
10	0	0	26	0	26	16
11	0	0	40	0	23	17
12	0	0	36	27	22	18
13	0	0	28	37	24	20
14	9	0	28	34	24	21
15	27	0	32	34	22	22
16	31	0	30	34	22	22
17	36	0	16	36	28	16
18	43	0	20	38	22	11
19	45	0	22	42	30	18
20	46	0	19	44	49	23
21	44	0	16	73	46	27
22	40	0	30	27	43	24
23	32	0	25	20	34	27
24	27	0	23	22	28	27
25	22	8	26	31	29	32
26	19	16	44	48	36	31
27	16	26	35	39	42	24
28	16	30	43	38	37	26
29	18	26	38	43	32	25
30	7	0	35	38	34	28
31	0	11	--	33	38	--
S.F.	478	117	793	1105	990	639
Mean	15	4	26	36	32	21
Max.	46	30	44	73	49	32
Min.	0	0	16	0	20	11
A.F.	950	230	1570	2190	1960	1270

Water diverted 8170 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--1977
 McLAUGHLIN CANAL from Niobrara River--Measured
 through rating flume--SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 9-28-52 W.
 Nr. Marsland. 3 3/4 miles west from Hiway 2 and
 river road junction, 1 mile south, 1/4 mile south-
 west, on north river bank

Date	May	June	July	Aug.	Sept.
1	0	3	3	0	0
2	0	3	2	0	0
3	0	4	2	0	0
4	0	5	2	0	0
5	0	4	3	0	0
6	0	5	3	0	0
7	0	5	2	0	0
8	0	4	2	0	0
9	0	4	4	0	0
10	0	5	5	0	0
11	0	5	3	0	0
12	0	6	1	0	0
13	0	6	0	0	0
14	0	6	0	0	0
15	0	6	0	0	0
16	0	7	0	0	0
17	0	7	0	0	0
18	0	7	0	0	0
19	0	7	0	1	0
20	0	7	0	0	0
21	0	7	0	0	0
22	1	7	0	0	0
23	5	7	0	0	0
24	5	6	0	0	0
25	5	6	0	0	0
26	5	4	0	0	0
27	4	4	0	0	0
28	4	4	0	0	0
29	4	3	0	0	0
30	4	3	0	0	0
31	4	-	0	0	-
S.F.	41	157	32	1	0
Mean	1	5	1	0	0
Max.	5	7	5	1	0
Min.	0	3	0	0	0
A.F.	80	310	60	0	0

Water diverted 450 A.F.
 Acreage reported D-566-500

DAILY DIVERSIONS OF CANALS--1977
 MEEKER-DRIFTWOOD CANAL from Republican River--Measured
 through 12-foot Parshall flume--SW 1/4 Sec. 9-2-33 W.
 Below Trenton Dam. 1/10 mile east on south end of dam,
 3/10 mile north, 2/10 mile east

Date	May	June	July	Aug.	Sept.
1	0	0	268	188	40
2	0	0	284	191	37
3	0	0	285	185	34
4	0	0	292	177	34
5	0	0	301	135	34
6	0	0	337	105	34
7	0	0	345	103	14
8	0	71	295	115	0
9	0	65	288	137	0
10	0	56	282	155	0
11	0	56	278	160	0
12	0	56	266	154	0
13	0	59	257	151	0
14	0	69	259	152	0
15	0	73	257	181	0
16	0	74	256	193	0
17	0	74	256	180	0
18	0	74	284	158	0
19	0	74	295	138	0
20	0	74	286	131	0
21	0	79	265	131	0
22	0	89	237	138	0
23	0	93	226	142	0
24	0	95	226	107	0
25	0	97	226	67	0
26	0	97	222	45	0
27	0	118	214	40	0
28	0	162	209	40	0
29	0	201	191	40	0
30	0	227	182	40	0
31	0	---	182	40	-
S.F.	0	2133	8051	3919	227
Mean	0	71	260	126	8
Max.	0	227	345	193	40
Min.	0	0	182	40	0
A.F.	0	4230	15970	7770	450

Water diverted 28420 A.F.
 Acreage reported D-4,9,8 & 7-2746; A-3869bR-
 2868; A-3887cR-92; A-6213-9268; A-9690-246;
 A-9911-503; A-10590-56; A-11946-53; A-14180-
 13; Total-15845

DAILY DIVERSIONS OF CANALS--1977
 MEREDITH-AMMER CANAL from Pumpkinseed Creek--Measured
 through rating flume--NE 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	5	4	0
2	0	0	4	4	0
3	0	0	4	5	0
4	0	0	4	5	0
5	0	0	4	5	0
6	0	0	4	5	0
7	0	0	4	5	0
8	0	0	4	5	0
9	0	1	4	5	0
10	0	6	4	5	0
11	0	7	4	5	0
12	0	8	3	5	0
13	0	8	3	5	0
14	0	8	4	5	0
15	0	8	5	5	0
16	0	8	5	5	0
17	0	7	5	5	0
18	2	7	4	5	0
19	6	7	4	4	0
20	6	7	4	4	0
21	6	7	5	4	0
22	6	6	4	4	0
23	5	6	4	2	0
24	4	6	5	2	0
25	3	6	5	4	0
26	2	6	6	0	0
27	2	5	7	0	0
28	0	6	8	0	0
29	0	6	6	0	0
30	0	5	4	0	0
31	0	-	4	0	-
S.F.	40	140	141	108	0
Mean	1	5	5	3	0
Max.	6	8	8	5	0
Min.	0	0	3	0	0
A.F.	80	280	280	210	0

Water diverted 850 A.F.
 Acreage reported D-876-380

DAILY DIVERSIONS OF CANALS--1977
 METTLEN CANAL from Niobrara River--Measured
 through rating flume--NE 1/4 Sec. 4-28-54 W.
 Nr. Agate. 8 3/4 miles east on county road,
 1/2 mile south, 1/2 mile west along river,
 on south river bank

Date	May	June	July	Aug.	Sept.
1	0	3	0	0	0
2	0	3	0	0	0
3	0	3	0	0	0
4	0	2	0	0	0
5	0	2	0	0	0
6	0	5	0	0	0
7	0	5	0	0	0
8	0	4	0	0	0
9	0	4	0	0	0
10	0	6	0	0	0
11	0	7	0	0	0
12	0	8	0	0	0
13	0	8	0	0	0
14	0	4	0	0	0
15	0	3	0	0	0
16	0	3	0	0	0
17	0	3	0	0	0
18	0	3	0	0	0
19	0	3	0	0	0
20	0	3	0	0	0
21	0	4	1	0	0
22	0	4	1	0	0
23	0	4	1	0	0
24	0	3	1	0	0
25	0	2	2	0	0
26	0	2	4	0	0
27	2	2	2	0	0
28	4	2	4	0	0
29	3	2	3	0	0
30	3	1	0	0	0
31	3	-	0	0	-
S.F.	15	108	19	0	0
Mean	0	4	1	0	0
Max.	4	8	4	0	0
Min.	0	1	0	0	0
A.F.	30	210	40	0	0

Water diverted 280 A.F.
 Acreage reported A-292-342; A-1248-53;
 A-2244-80; Total-475

DAILY DIVERSIONS OF CANALS--1977

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	17	36	48	9
2	0	18	35	48	9
3	14	13	36	47	9
4	24	12	41	46	9
5	20	12	47	37	8
6	19	16	52	27	8
7	20	12	54	25	8
8	21	8	54	25	8
9	21	10	46	22	8
10	18	13	49	18	8
11	18	14	37	19	8
12	17	15	22	18	4
13	19	16	16	18	0
14	21	13	26	18	0
15	23	12	35	20	0
16	22	12	33	19	0
17	22	13	36	18	0
18	21	14	45	14	0
19	23	12	46	19	0
20	23	12	49	19	0
21	21	13	41	18	0
22	19	14	9	20	0
23	22	13	22	16	0
24	22	13	27	11	0
25	20	12	28	11	0
26	19	12	28	10	0
27	20	17	31	10	0
28	20	23	38	9	0
29	19	23	43	8	0
30	20	31	42	8	0
31	19	--	42	9	--
S. F.	587	435	1146	655	96
Mean	19	14	37	21	3
Max.	24	31	54	48	9
Min.	0	8	9	8	0
A.F.	1160	860	2270	1300	190

Water diverted 5780 A.F.
 Acreage reported A-2293-2360; 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	18	40	42	12
2	0	19	42	41	12
3	0	18	43	41	12
4	0	18	44	39	11
5	0	18	47	35	11
6	0	18	51	30	11
7	0	19	55	27	10
8	0	18	63	27	10
9	0	17	39	27	10
10	0	18	31	22	12
11	0	18	26	23	12
12	0	18	24	23	5
13	0	18	18	22	0
14	0	18	18	22	0
15	0	17	23	23	0
16	0	16	23	23	0
17	0	17	24	23	0
18	0	17	30	19	0
19	18	15	32	17	0
20	18	16	57	17	0
21	20	16	58	16	0
22	21	17	32	18	0
23	21	16	30	16	0
24	18	16	29	14	0
25	21	15	25	18	0
26	20	15	24	16	0
27	19	16	23	13	0
28	18	23	24	11	0
29	17	36	34	10	0
30	17	38	34	10	0
31	18	--	32	11	--
S. F.	246	559	1075	696	128
Mean	8	19	35	22	4
Max.	21	38	63	42	12
Min.	0	15	18	10	0
A.F.	490	1110	2130	1380	250

Water diverted 5360 A.F.
 Acreage reported A-2293-2536; A-2678-212;
 A-3979b-3348; A-3981b-355; A-4131-18; A-6623-
 35; A-12842-46; Total-6550

DAILY DIVERSIONS OF CANALS--1977

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	32	124	111	26
2	0	32	135	108	26
3	0	31	127	107	25
4	0	31	124	91	24
5	0	30	123	57	24
6	0	31	121	41	24
7	0	32	122	35	22
8	0	32	119	35	17
9	0	33	128	34	16
10	0	33	121	45	16
11	0	34	64	48	16
12	0	34	44	46	6
13	0	33	54	44	0
14	0	26	62	44	0
15	0	23	62	33	0
16	42	23	68	27	0
17	59	23	83	27	0
18	60	23	102	27	0
19	46	22	117	26	0
20	52	22	132	25	0
21	44	20	133	24	0
22	32	17	122	24	0
23	29	20	112	25	0
24	32	24	106	26	0
25	33	39	103	26	0
26	32	50	106	25	0
27	32	62	112	26	0
28	32	76	111	27	0
29	32	94	112	27	0
30	32	108	118	28	0
31	33	---	115	27	--
S. F.	622	1090	3282	1296	242
Mean	20	36	106	42	8
Max.	60	108	135	111	26
Min.	0	17	44	24	0
A.F.	1230	2160	6510	2570	480

Water diverted 12950 A.F.
 Acreage reported A-2293-4277; A-2678-110;
 A-3979cR-7414; A-3981cR-87; A-4360-70; A-12179-
 40; A-12768-30; A-13682-50; Total-12078

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
 CANAL NO. 4 from Middle Loup River
 Measured through rating flume--SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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	46	82	113	16
2	0	50	106	123	16
3	0	44	105	115	17
4	0	40	112	85	16
5	0	40	129	52	14
6	0	40	135	51	16
7	0	40	148	47	18
8	0	41	147	35	18
9	0	41	140	21	19
10	0	41	126	21	21
11	0	41	64	28	22
12	0	40	48	33	6
13	0	40	54	32	0
14	0	38	60	32	0
15	0	36	66	28	0
16	0	35	71	23	0
17	0	36	92	22	0
18	0	32	118	22	0
19	0	35	128	20	0
20	0	39	134	19	0
21	0	34	133	18	0
22	0	30	127	19	0
23	0	36	128	17	0
24	31	44	127	15	0
25	69	46	128	16	0
26	65	46	136	15	0
27	56	55	134	15	0
28	45	59	127	16	0
29	42	61	124	17	0
30	41	71	112	19	0
31	40	--	114	18	--
S. F.	389	1277	3455	1107	199
Mean	12	43	111	36	7
Max.	69	71	148	123	22
Min.	0	30	48	15	0
A.F.	770	2530	6850	2200	390

Water diverted 12740 A.F.
 Acreage reported A-2293-5952; A-2678R-84;
 A-3979dR-4143; A-3981dR-657; A-5139-198; A-10160-
 317; A-10175-56; A-12198-43; Total-11450

DAILY DIVERSIONS OF CANALS--1977

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	10	6	1	7
2	0	10	5	4	7
3	0	10	3	8	7
4	10	8	2	11	7
5	11	8	1	11	6
6	9	8	0	11	6
7	9	11	2	11	5
8	9	7	1	12	5
9	10	6	1	11	5
10	9	11	2	9	5
11	8	11	1	8	5
12	8	12	1	9	5
13	8	12	1	7	1
14	10	12	4	7	0
15	13	9	11	11	0
16	12	10	12	13	0
17	12	10	9	13	0
18	12	11	7	11	0
19	13	10	4	11	0
20	12	9	0	14	0
21	12	9	1	14	0
22	10	10	1	14	0
23	8	9	10	14	0
24	10	8	12	11	0
25	10	7	14	10	0
26	10	7	13	8	0
27	10	6	9	7	0
28	9	9	4	7	0
29	10	8	6	7	0
30	10	5	2	7	0
31	10	-	1	7	-
S. F.	284	273	146	299	71
Mean	9	9	5	10	2
Max.	13	12	14	14	7
Min.	0	5	0	1	0
A. F.	560	540	290	590	140

Water returned 2120 A.F.

DAILY DIVERSIONS OF CANALS--1977

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. 8.10 mile south on asphalt road to
 canal, 2/10 mile west, on left bank

Date	May	June	July	Aug.	Sept.
1	0	11	4	8	7
2	0	11	2	6	7
3	0	11	5	6	7
4	0	10	6	6	6
5	0	10	7	10	6
6	0	10	12	13	6
7	0	12	5	12	4
8	0	12	8	11	4
9	0	12	13	11	3
10	0	13	14	10	5
11	0	14	17	7	6
12	0	15	18	10	6
13	0	15	17	9	3
14	0	14	12	10	0
15	0	13	20	13	0
16	0	13	19	12	0
17	0	14	16	11	0
18	0	15	8	11	0
19	8	13	4	7	0
20	11	12	5	7	0
21	13	14	11	8	0
22	13	15	14	7	0
23	11	13	14	12	0
24	11	9	16	9	0
25	12	9	18	13	0
26	11	8	16	13	0
27	11	8	15	9	0
28	11	5	10	7	0
29	10	6	11	8	0
30	11	4	13	5	0
31	11	-	13	7	-
S. F.	144	341	363	288	70
Mean	5	11	12	9	2
Max.	13	15	20	13	7
Min.	0	4	2	5	0
A. F.	290	680	720	570	140

Water returned 2400 A.F.

DAILY DIVERSIONS OF CANALS--1977

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	10	5	9	16
2	0	9	5	15	16
3	0	10	5	16	16
4	0	10	4	18	17
5	0	11	4	16	17
6	0	11	3	17	17
7	0	13	1	15	14
8	0	14	5	11	12
9	0	14	7	9	10
10	0	15	14	4	7
11	0	13	20	15	5
12	0	14	20	14	7
13	0	16	20	8	9
14	0	14	20	14	2
15	0	14	14	25	0
16	0	15	9	20	0
17	0	15	7	18	0
18	5	16	7	17	0
19	13	15	1	16	0
20	9	14	1	16	0
21	6	15	5	5	0
22	2	13	7	14	0
23	6	10	9	18	0
24	3	11	10	16	0
25	7	9	9	19	0
26	8	19	9	18	0
27	8	9	8	17	0
28	8	11	6	16	0
29	8	9	4	16	0
30	9	8	5	16	0
31	9	-	7	16	-
S. F.	101	377	251	464	165
Mean	3	13	8	15	6
Max.	13	16	20	25	17
Min.	0	8	1	4	0
A. F.	200	750	500	920	330

Water returned 2700 A.F.

DAILY DIVERSIONS OF CANALS--1977

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	7	10	10	6
2	0	10	7	13	6
3	0	13	6	14	3
4	0	12	2	19	2
5	0	7	8	17	4
6	0	6	2	12	3
7	0	5	4	21	2
8	0	6	8	23	3
9	0	8	5	15	4
10	0	9	17	3	4
11	0	10	16	4	5
12	0	11	4	6	9
13	0	12	5	5	7
14	0	11	8	11	5
15	0	11	8	16	5
16	0	10	5	14	2
17	0	13	2	12	0
18	0	15	3	13	0
19	0	12	1	13	0
20	0	13	2	13	0
21	0	17	2	11	0
22	0	15	1	12	0
23	0	11	2	14	0
24	0	15	7	12	0
25	0	19	10	12	0
26	9	18	8	9	0
27	22	19	7	9	0
28	19	21	8	8	0
29	15	15	11	6	0
30	13	9	8	6	0
31	12	-	7	6	-
S. F.	90	360	194	359	70
Mean	3	12	6	12	2
Max.	22	21	17	23	9
Min.	0	5	1	3	0
A. F.	180	710	380	710	140

Water returned 2120 A.F.

DAILY DIVERSIONS OF CANALS--1977

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-feet--1977

	May	June	July	Aug.	Sept.	Total
Diversions:						
Canal No. 1.....	1160	860	2270	1300	190	5780
Canal No. 2.....	490	1110	2130	1380	250	5360
Canal No. 3.....	1230	2160	6510	2570	480	12950
Canal No. 4.....	770	2530	6850	2200	390	12740
Total diversion....	3650	6660	17760	7450	1310	36830
Returned thru spillways:						
Canal No. 1.....	560	540	290	590	140	2120
Canal No. 2.....	290	680	720	570	140	2400
Canal No. 3.....	200	750	500	920	330	2700
Canal No. 4.....	180	710	380	710	140	2120
Total returned.....	1230	2680	1890	2790	750	9340
Net diversion.....	2420	3980	15870	4660	560	27490

DAILY DIVERSIONS OF CANALS--1977

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	10	0	8	9	10	1
2	9	0	8	8	13	1
3	4	0	8	8	12	1
4	3	0	8	6	12	1
5	5	0	8	8	11	0
6	7	0	9	14	8	0
7	8	0	9	11	5	0
8	7	0	9	13	7	0
9	6	0	8	14	7	0
10	5	0	10	9	6	0
11	4	0	8	6	6	0
12	4	0	8	5	6	0
13	4	0	11	4	7	0
14	6	0	13	7	10	0
15	7	0	14	9	11	0
16	7	0	13	12	9	0
17	5	0	12	12	7	0
18	0	0	8	12	6	0
19	0	0	5	14	6	0
20	0	0	4	18	6	4
21	0	0	5	18	6	12
22	0	0	5	15	6	24
23	0	0	8	0	6	25
24	0	0	5	0	5	26
25	0	3	4	6	4	27
26	0	6	7	16	5	27
27	0	8	7	16	4	26
28	0	8	18	13	1	26
29	0	8	13	15	1	27
30	0	8	9	16	1	28
31	0	8	--	7	1	--
S.F.	101	49	256	321	205	256
Mean	3	2	9	10	7	9
Max.	10	8	18	18	13	28
Min.	0	0	1	0	1	0
A.F.	200	100	510	640	410	510

Water diverted 2370 A.F.
Acreage reported D-789-1000; D-791-1104; D-800 (A-1742 O.D.)-154; Total-2258

DAILY DIVERSIONS OF CANALS--1977

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.	May	June	July	Aug.	Sept.
1	26	0	39	73	90	79
2	20	0	39	66	109	78
3	33	0	39	65	99	73
4	43	21	39	91	103	71
5	43	28	41	101	104	70
6	44	19	46	110	100	69
7	44	21	41	114	90	66
8	43	22	45	115	80	66
9	43	40	50	108	80	68
10	35	47	45	106	78	68
11	28	46	46	106	79	68
12	25	49	48	99	76	69
13	24	51	55	90	89	71
14	24	38	63	85	91	71
15	23	46	15	85	91	71
16	25	53	10	98	90	73
17	11	51	37	110	90	75
18	0	59	59	110	90	78
19	0	57	57	110	92	80
20	0	60	61	101	78	79
21	0	61	30	99	70	78
22	0	56	33	101	71	76
23	0	54	55	90	71	70
24	0	59	55	91	72	67
25	0	57	55	76	75	67
26	0	14	82	71	78	65
27	0	0	89	85	79	65
28	0	0	80	88	80	61
29	0	0	85	82	80	51
30	0	11	91	76	80	42
31	0	36	--	81	80	--
S.F.	534	1056	1530	2883	2635	2085
Mean	17	34	51	93	85	70
Max.	44	61	91	115	109	80
Min.	0	0	10	65	70	42
A.F.	1060	2090	3030	5720	5230	4140

Water diverted 21270 A.F.
Acreage reported D-919-9372

DAILY DIVERSIONS OF CANALS--1977
 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	191	81	33
2	0	0	198	127	0
3	0	0	200	154	0
4	0	0	201	152	0
5	0	0	191	148	0
6	0	0	169	123	0
7	0	0	160	101	0
8	0	0	148	97	0
9	0	0	122	62	0
10	0	0	47	57	0
11	0	0	59	59	0
12	0	0	76	60	0
13	0	0	103	61	0
14	0	0	133	61	0
15	0	0	151	65	0
16	0	0	152	64	0
17	0	0	158	66	0
18	0	0	164	60	0
19	0	2	162	61	0
20	0	59	63	68	0
21	0	77	0	68	0
22	0	64	0	90	0
23	0	74	0	89	0
24	0	104	16	86	0
25	0	119	68	83	0
26	0	120	57	81	0
27	0	152	57	80	0
28	0	163	72	81	0
29	0	188	57	53	0
30	0	191	48	50	0
31	0	---	50	53	-
S.F.	0	1313	3273	2541	33
Mean	0	44	106	82	1
Max.	0	191	201	154	33
Min.	0	0	0	50	0
A.F.	0	2600	6490	5040	70

Water diverted 14200 A.F.
 Acreage reported A-2683-9533; A-3729-2146; Total-11679

DAILY DIVERSIONS OF CANALS--1977
 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	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	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	1	0	0	0
27	0	1	0	0	0
28	0	0	0	0	0
29	0	1	0	0	0
30	0	1	0	0	0
31	0	-	0	0	-
S.F.	0	4	9	0	0
Mean	0	0	0	0	0
Max.	0	1	1	0	0
Min.	0	0	0	0	0
A.F.	0	10	20	0	0

Water diverted 30 A.F.
 Acreage reported A-575-32; A-607R-21;
 A-2754-20; A-3923-42; Total-115

DAILY DIVERSIONS OF CANALS--1977
 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	May	June	July	Aug.	Sept.
1	0	91	124	98	0
2	0	75	125	115	0
3	0	75	133	114	0
4	0	76	125	101	0
5	0	71	128	109	0
6	0	81	140	102	0
7	0	73	147	108	95
8	0	73	141	104	105
9	107	37	122	101	87
10	93	60	112	111	93
11	12	55	116	108	96
12	0	62	113	107	104
13	0	50	116	110	97
14	8	55	113	120	98
15	20	54	90	119	89
16	32	51	114	126	82
17	69	52	121	123	78
18	89	57	130	124	0
19	89	52	130	112	0
20	89	43	124	111	0
21	93	0	111	112	0
22	85	24	112	107	0
23	85	21	111	107	0
24	88	21	99	0	0
25	90	26	97	0	0
26	84	16	102	0	0
27	77	49	98	0	0
28	76	64	77	0	0
29	88	93	84	0	0
30	106	97	88	0	0
31	108	--	89	0	-
S.F.	1588	1654	3532	2549	1024
Mean	51	55	114	82	34
Max.	108	97	147	126	105
Min.	0	0	77	0	0
A.F.	3150	3280	7010	5060	2030

Water diverted 20530 A.F.
 Acreage reported D-1052-13562

DAILY DIVERSIONS OF CANALS--1977
 MONTAGUE PUMP from Niobrara River
 SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-29-48 W.
 Nr. Dunlap, 1 mile east on north river bank

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

Water pumped 100 A.F.
 Acreage reported A-2266-82; A-10716-36;
 Total-118

DAILY DIVERSIONS OF CANALS--1977
 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, $\frac{1}{4}$ mile south driveway,
 $\frac{1}{4}$ mile east on trail road, on east river bank

Date	May	June	July	Aug.	Sept.
1	0	2	3	2	2
2	0	2	4	2	2
3	0	2	5	2	2
4	0	4	5	2	2
5	0	4	5	3	3
6	0	4	5	3	5
7	0	4	4	3	5
8	0	4	4	3	4
9	0	4	6	3	4
10	0	4	3	3	3
11	2	4	2	3	3
12	2	1	2	2	3
13	2	0	3	2	3
14	2	0	3	2	4
15	5	0	3	2	4
16	3	0	3	4	4
17	2	0	3	9	4
18	2	0	3	4	4
19	2	0	3	1	4
20	2	0	3	1	5
21	2	0	2	2	2
22	1	0	1	5	0
23	1	0	1	5	0
24	1	0	1	4	0
25	1	3	2	6	0
26	3	3	4	3	0
27	4	3	3	1	0
28	3	3	4	1	0
29	2	3	3	1	0
30	3	2	2	2	0
31	3	-	3	2	-
S.F.	48	56	98	88	72
Mean	2	2	3	3	2
Max.	5	4	6	9	5
Min.	0	0	1	1	0
A.F.	100	110	190	170	140

Water diverted 710 A.F.
 Acreage reported A-88-400

DAILY DIVERSIONS OF CANALS--1977
 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	35	15	0
2	0	0	36	23	0
3	0	0	36	23	0
4	0	0	36	11	0
5	0	0	35	0	0
6	0	0	36	0	0
7	0	0	36	0	0
8	0	0	36	0	0
9	0	0	36	0	0
10	0	0	36	0	0
11	0	0	27	0	0
12	0	0	20	0	0
13	0	6	20	0	0
14	0	11	24	0	0
15	0	13	24	5	0
16	0	13	19	11	0
17	0	13	21	11	0
18	0	13	30	11	0
19	0	13	30	11	0
20	0	16	33	11	0
21	0	20	36	11	0
22	0	22	36	11	0
23	0	23	36	11	0
24	0	23	36	11	0
25	0	21	29	9	0
26	0	19	21	8	0
27	0	20	18	8	0
28	0	23	13	8	0
29	0	25	11	3	0
30	0	30	11	0	0
31	0	-	11	0	-
S.F.	0	324	864	212	0
Mean	0	11	28	7	0
Max.	0	30	36	23	0
Min.	0	0	11	0	0
A.F.Pump	0	0	140	0	0
AFCanal	0	640	1710	420	0
Total AF	0	640	1850	420	0

Water diverted 2910 A.F.
 Acreage reported A-4217-1350; A-6220-79;
 A-9463-86; A-9722-11; A-10965-234; Total-1760

DAILY DIVERSIONS OF CANALS--1977
 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 miles 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	65	0	70	39	60	50
2	60	0	69	25	63	50
3	56	0	65	14	62	51
4	52	0	64	15	79	50
5	48	0	63	13	78	50
6	50	0	62	12	78	48
7	55	0	60	13	73	50
8	54	0	60	17	66	50
9	53	22	63	55	62	49
10	53	71	82	72	60	53
11	52	27	77	66	56	55
12	52	0	79	53	55	58
13	50	0	90	47	54	56
14	47	0	88	48	51	54
15	43	6	40	52	50	52
16	43	27	71	47	49	52
17	31	29	78	37	47	51
18	21	27	75	34	48	51
19	16	29	81	35	52	55
20	0	29	80	57	53	55
21	0	38	78	58	53	57
22	0	47	75	78	55	62
23	0	49	83	74	55	63
24	0	52	85	71	54	57
25	0	50	84	71	55	58
26	0	51	69	69	56	58
27	0	72	70	69	55	58
28	0	77	52	73	57	57
29	0	76	50	70	53	57
30	0	75	56	68	50	55
31	0	72	--	63	50	--
S.F.	901	926	2119	1515	1789	1622
Mean	29	30	71	49	58	54
Max.	65	77	90	78	79	63
Min.	0	0	40	12	47	48
A.F.	1790	1840	4200	3000	3550	3220

Water diverted 17600 A.F.
 Acreage reported D-925 (A-1431 O.D.)-5966;
 P-262 from Red Willow Creek-71; Total-6037

DAILY DIVERSIONS OF CANALS--1977

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	62	178	132	17
2	0	63	203	154	31
3	0	63	226	160	28
4	0	64	220	178	29
5	0	65	224	183	30
6	0	63	228	166	32
7	0	63	228	154	29
8	0	59	230	156	30
9	43	59	239	144	30
10	44	58	224	120	29
11	47	54	140	118	43
12	44	54	120	111	45
13	47	52	129	96	46
14	59	52	134	89	42
15	53	26	135	75	43
16	57	50	147	65	42
17	50	48	164	60	38
18	55	46	197	51	42
19	61	48	210	50	41
20	58	46	225	46	44
21	60	49	154	52	44
22	62	49	95	55	41
23	54	46	108	58	41
24	55	50	108	48	36
25	57	54	106	28	35
26	63	60	115	0	34
27	60	78	116	0	1
28	59	96	118	0	0
29	58	122	129	0	0
30	58	147	123	10	0
31	58	---	120	16	-
S.F.	1262	1846	5093	2575	943
Mean	41	62	164	83	31
Max.	63	147	239	183	46
Min.	0	26	95	0	0
A.F.	2500	3660	10100	5110	1870

Water diverted 23240 A.F.
 Acreage reported A-2155-126; A-2312-12524;
 A-2417-168; A-3215a-853; A-3768-54; A-3892-37;
 A-3980a-1276; A-4400-29; A-6430-54; A-7600-0;
 A-7956-0; A-8544R-36; A-10199-0; A-10371-Resort;
 A-11379-8; A-11648-11; A-11706-35; A-13475-0;
 Total-15211

DAILY DIVERSIONS OF CANALS--1977

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	0	52	81	84	0
2	0	52	96	96	0
3	0	52	95	103	0
4	0	53	107	116	0
5	0	53	108	121	0
6	0	54	108	112	24
7	0	54	114	104	28
8	0	54	108	101	31
9	0	48	108	86	30
10	0	46	100	51	29
11	0	42	70	48	28
12	0	45	57	39	28
13	0	36	62	39	28
14	0	34	74	33	28
15	0	20	74	32	16
16	59	32	72	21	3
17	38	34	92	17	0
18	40	27	106	17	0
19	49	29	121	18	0
20	48	29	123	17	0
21	60	27	57	17	0
22	55	26	40	17	0
23	52	26	38	17	0
24	49	27	35	16	0
25	50	28	36	15	0
26	63	36	37	0	0
27	56	47	45	0	0
28	56	54	58	0	0
29	53	60	56	0	0
30	52	78	53	6	0
31	52	--	57	12	-
S.F.	832	1255	2388	1355	273
Mean	27	42	77	44	9
Max.	63	78	114	121	31
Min.	0	20	35	0	0
A.F.	1650	2490	4740	2690	540

Water diverted 12110 A.F.
 Acreage reported A-2312-5683; A-3215b-1121;
 A-3772-71; A-3828-39; A-3831-0; A-3980b-1347;
 A-5133-0; A-6578-0; A-6943-0; A-9809-20; A-10443-
 37; A-11856-0; A-11907-0; A-12017-13; A-12355-105;
 A-13402-47; A-13474-37; A-14566-0; A-14777-56;
 A-14778-34; Total-8610

DAILY DIVERSIONS OF CANALS--1977

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

Date	May	June	July	Aug.	Sept.
1	0	24	91	104	0
2	0	22	99	105	0
3	0	23	100	106	0
4	0	23	99	106	0
5	0	22	107	97	0
6	0	22	110	81	6
7	0	21	108	69	14
8	0	19	72	64	14
9	0	16	79	65	14
10	0	16	77	64	14
11	0	16	44	59	14
12	32	16	38	58	15
13	23	14	44	57	15
14	17	14	43	56	14
15	21	12	46	38	13
16	21	14	56	22	0
17	25	16	62	21	0
18	25	14	80	20	0
19	26	14	102	19	0
20	26	14	117	18	0
21	27	14	38	17	0
22	27	14	16	18	0
23	27	14	45	18	0
24	26	16	52	18	0
25	26	22	82	15	0
26	26	27	103	0	0
27	26	47	104	0	0
28	26	65	104	0	0
29	25	77	104	0	0
30	25	88	104	0	0
31	24	--	104	7	-
S.F.	501	735	2430	1322	133
Mean	16	25	78	43	4
Max.	32	88	117	106	15
Min.	0	12	16	0	0
A.F.	990	1460	4820	2620	260

Water diverted 10150 A.F.
 Acreage reported A-2312-5646; A-3215c-325;
 A-3672-0; A-3980c-570; A-3982c-Supp; A-4231-0;
 A-10209-0; A-10583-74; A-10842-23; A-14120-50;
 A-14777-56; A-14778-34; Total-6778

DAILY DIVERSIONS OF CANALS--1977

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 $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 16-19-14 W.
 Nr. Ord. From Hiway 11 & 70 Junction, 7/10 mile north, on
 left bank

Date	May	June	July	Aug.	Sept.
1	0	5	4	4	0
2	0	5	2	4	0
3	0	5	1	5	0
4	0	6	1	5	0
5	0	6	1	5	0
6	0	6	0	6	3
7	0	3	0	7	4
8	0	3	1	7	3
9	0	6	2	7	0
10	0	6	5	7	0
11	0	6	7	7	0
12	0	7	8	7	0
13	0	6	8	8	0
14	0	6	7	7	0
15	0	6	6	7	0
16	0	5	5	7	0
17	0	6	5	7	0
18	0	6	4	7	0
19	0	6	4	7	0
20	0	6	1	7	0
21	0	6	2	6	0
22	0	6	2	6	0
23	3	6	4	6	0
24	5	6	3	6	0
25	5	6	2	6	0
26	5	6	3	5	1
27	5	6	2	2	4
28	5	6	1	1	4
29	5	6	1	0	1
30	5	5	3	0	0
31	6	--	4	1	-
S.F.	44	170	99	167	20
Mean	1	6	3	5	1
Max.	6	7	8	8	4
Min.	0	3	0	0	0
A.F.	90	340	200	330	40

Water returned 1000 A.F.

DAILY DIVERSIONS OF CANALS--1977

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 $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17-19-14 W.
 Nr. Ord. From Hway 70 & 11 Junction, 6/10 mile north
 on Hway 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 $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20-19-13 W.
 Nr. Ord. 1/10 mile northeast on Hway 70, 4.6 miles
 east on gravel road, on left bank

Date	May	June	July	Aug.	Sept.	Date	May	June	July	Aug.	Sept.
1	0	13	4	11	0	1	0	10	8	8	2
2	0	14	0	8	0	2	0	10	4	7	2
3	0	14	1	10	0	3	0	10	1	6	0
4	0	17	4	7	0	4	0	10	1	4	0
5	0	17	1	10	0	5	0	10	1	4	0
6	0	18	0	14	0	6	0	10	1	5	0
7	0	24	0	16	3	7	0	11	1	6	0
8	0	22	0	17	2	8	0	12	1	7	0
9	0	19	0	14	5	9	0	11	1	10	1
10	0	20	2	16	5	10	0	12	3	11	6
11	4	22	13	20	6	11	0	11	5	11	8
12	10	22	12	22	16	12	0	11	7	11	8
13	2	22	16	23	17	13	0	11	10	9	8
14	3	21	16	21	16	14	0	11	8	10	8
15	11	19	15	20	11	15	0	10	5	10	5
16	11	4	15	17	8	16	0	8	4	10	4
17	8	18	15	16	12	17	0	9	3	9	1
18	5	18	10	14	9	18	1	11	6	6	0
19	10	18	1	16	11	19	4	12	3	7	0
20	11	9	0	9	14	20	5	12	0	7	0
21	16	4	7	4	20	21	7	11	3	8	0
22	16	13	8	9	19	22	7	10	6	8	0
23	11	14	21	10	19	23	6	10	8	9	0
24	5	11	26	13	19	24	5	10	10	8	0
25	4	10	23	19	19	25	3	10	9	8	0
26	7	12	23	4	16	26	4	10	9	9	0
27	12	11	24	0	11	27	8	11	7	4	0
28	11	12	18	0	3	28	7	10	6	3	0
29	12	15	14	0	0	29	7	8	8	1	0
30	13	9	11	0	0	30	8	9	7	0	0
31	13	-	13	0	-	31	8	-	7	2	-
S.F.	195	462	313	360	261	S.F.	80	311	153	218	53
Mean	6	15	10	12	9	Mean	3	10	5	7	2
Max.	16	24	26	23	20	Max.	8	12	10	11	8
Min.	0	4	0	0	0	Min.	0	8	0	0	0
A.F.	390	920	620	710	520	A.F.	160	620	300	430	110
Water returned 3160 A.F.						Water returned 1620 A.F.					

DAILY DIVERSIONS OF CANALS--1977

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 $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-18-12 W.
 Nr. North Loup, 2.6 miles southeast on Hway 11, 7/10
 south, on left bank

Date	May	June	July	Aug.	Sept.
1	0	6	4	8	0
2	0	7	2	8	0
3	0	8	1	7	0
4	0	8	1	8	0
5	0	9	1	8	0
6	0	10	1	10	0
7	0	10	1	11	0
8	0	10	7	9	3
9	0	8	3	8	6
10	0	8	9	8	7
11	0	9	11	8	7
12	0	9	10	7	7
13	1	10	10	5	8
14	2	8	9	8	7
15	2	8	6	12	5
16	3	6	4	13	1
17	4	9	3	10	0
18	4	8	5	11	0
19	4	8	4	11	0
20	4	8	4	9	0
21	6	8	4	6	0
22	6	7	2	8	0
23	5	6	5	8	0
24	5	6	7	8	0
25	4	7	3	8	0
26	6	7	1	5	0
27	6	9	4	3	0
28	6	8	3	1	0
29	6	6	4	0	0
30	7	6	6	0	0
31	7	-	7	0	-
S.F.	86	237	142	226	50
Mean	3	8	5	7	2
Max.	7	10	11	13	8
Min.	0	6	1	0	0
A.F.	170	470	280	450	100
Water Returned 1470 A.F.					

DAILY DIVERSIONS OF CANALS--1977

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-feet--1977

	May	June	July	Aug.	Sept.	Total
Diversions:						
Taylor-Ord Canal.....	2500	3660	10100	5110	1870	23240
Burwell-Sumter Canal.....	1650	2490	4740	2690	540	12110
Ord-North Loup Canal.....	990	1460	4820	2620	260	10150
Total diverted.....	5140	7610	19660	10420	2670	45500
Returned through spillways:						
Taylor-Ord Canal.....	480	1260	820	1040	960	4560
Burwell-Sumter Canal.....	160	620	300	430	110	1620
Ord-North Loup Canal.....	170	470	280	450	100	1470
Total returned.....	810	2350	1400	1920	1170	7250
Net diversion.....	4330	5260	18260	8500	1500	38250

DAILY DIVERSIONS OF CANALS--1977

NORTH PLATTE CANAL from North Platte River--Measured through 15-foot Parshall flume--NE&SE 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	Oct.	Apr.	May	June	July	Aug.	Sept.
1	40	0	10	82	292	268	138
2	0	0	10	77	288	268	129
3	0	0	10	69	295	250	126
4	0	0	13	79	288	232	123
5	0	0	52	86	211	218	123
6	0	0	44	89	273	195	133
7	0	0	37	92	285	194	134
8	0	0	37	91	221	192	133
9	0	0	36	91	192	191	133
10	0	0	34	91	145	192	120
11	0	0	50	89	142	194	111
12	0	0	52	97	142	195	111
13	0	0	48	96	178	188	109
14	0	0	46	88	197	197	107
15	0	0	47	88	197	197	106
16	0	0	57	93	201	186	106
17	0	0	51	99	252	181	106
18	0	0	40	103	271	173	106
19	0	0	46	103	278	170	108
20	0	0	40	104	280	168	105
21	0	0	72	104	267	171	104
22	0	0	93	118	236	174	105
23	0	0	78	164	210	175	101
24	0	0	71	200	197	175	106
25	0	0	82	221	195	183	78
26	0	0	85	219	192	182	43
27	0	0	87	253	225	182	41
28	0	5	86	288	243	182	46
29	0	18	85	288	246	173	15
30	0	10	78	295	246	148	0
31	0	--	37	---	247	142	-
S. F.	40	33	1614	3957	7132	5936	3006
Mean	1	1	52	132	230	191	100
Max.	40	18	93	295	295	268	138
Min.	0	0	10	69	142	142	15
A. F.	80	70	3200	7850	14150	11770	5960

Water diverted 43080 A.F.
Acreage reported D-635-14483

DAILY DIVERSIONS OF CANALS--1977

NORTHPORT CANAL from North Platte River Measured through section of Tri-State Canal SW&SW 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	96	268	157	162
2	0	108	241	163	167
3	0	107	221	84	170
4	11	100	230	58	159
5	0	69	242	77	164
6	0	81	244	151	144
7	0	101	242	165	124
8	22	77	225	168	97
9	47	42	216	173	81
10	29	100	248	167	69
11	42	107	262	169	74
12	57	23	263	178	53
13	53	80	241	167	50
14	75	77	219	154	37
15	119	64	237	166	34
16	82	17	249	156	34
17	65	3	238	143	36
18	52	21	239	139	40
19	54	22	255	159	48
20	21	11	246	189	44
21	35	21	250	187	21
22	53	214	242	189	30
23	105	117	245	161	49
24	57	134	244	136	69
25	19	120	248	128	174
26	67	69	254	168	188
27	63	16	242	166	140
28	94	15	205	141	88
29	119	163	223	148	40
30	113	253	199	151	0
31	100	---	188	167	-
S. F.	1554	2428	7366	4725	2586
Mean	50	81	238	152	86
Max.	119	253	268	189	188
Min.	0	3	188	58	0
A. F.	3080	4820	14610	9370	5130

Water diverted 37010 A.F.

DAILY DIVERSIONS OF CANALS--1977
NORTHPORT CANAL from Drains
entering Tri-State Canal

Date	May	June	July	Aug.	Sept.
1	21	137	130	159	156
2	20	135	129	155	156
3	21	132	135	159	156
4	26	126	141	162	154
5	33	125	141	173	154
6	26	126	142	175	157
7	31	122	139	169	163
8	81	125	141	165	166
9	81	140	160	163	172
10	82	131	145	166	174
11	86	129	140	171	176
12	86	133	139	170	181
13	85	135	142	167	181
14	86	137	145	169	180
15	88	138	144	170	180
16	103	137	144	172	181
17	120	140	147	177	183
18	125	142	147	185	179
19	129	148	153	189	178
20	126	160	164	190	182
21	129	193	160	194	194
22	124	109	164	190	193
23	124	157	165	187	192
24	131	156	172	192	198
25	129	148	175	196	86
26	135	145	171	186	48
27	140	144	166	180	40
28	139	136	165	172	40
29	141	131	162	166	41
30	140	128	161	163	42
31	138	---	165	161	--
S. F.	2864	4145	4694	5393	4483
Mean	92	138	151	174	149
Max.	141	193	175	196	198
Min.	26	122	129	155	40
A. F.	5680	8220	9310	10700	8890
Total from drains 42800 A. F.					

DAILY DIVERSIONS OF CANALS--1977
NORTHPORT DIVERSIONS FOR NORTHPORT IRRIGATION DISTRICT
Summary in Acre-feet--1977

Diverted from:	Section	May	June	July	Aug.	Sept.	Total
	Township Range						
North Platte River.....	10-23-58	3080	4820	14610	9370	5130	37010
*Sheep Creek.....	17-23-57	3350	4500	4920	5440	4450	22660
*Akers Draw.....	12-23-57	450	490	540	550	480	2510
*Tub Springs.....	27-33-55	550	1510	2030	2160	1670	7920
*Dry Spottedtail Creek...	9-23-56	480	780	1070	1400	900	4630
*Wet Spottedtail Creek...	10-23-56	840	950	750	1140	1390	5070
*Moffat Drain.....	25-22-53	0	0	0	0	0	0
*Alliance Drain.....	18-22-53	0	0	0	0	0	0
Total diversion		8750	13050	23920	20060	14020	79800

Water diverted 79800 A. F.
Acreage reported A-768-16112
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--1977
 ORCHARD-ALFALFA CANAL from Platte River--Measured
 through Parshall flume--SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 10-10-24 W.
 Nr. Cozad. 1.1 miles south on I-80 exchange, 3.3
 miles west, 1 mile north to corner, north on right
 bank

Date	May	June	July	Aug.	Sept.
1	0	14	55	66	0
2	0	16	61	67	0
3	0	8	60	63	0
4	0	7	74	67	0
5	0	8	83	66	0
6	0	6	80	62	0
7	0	8	83	61	0
8	0	13	84	58	0
9	0	13	105	56	0
10	6	12	89	58	0
11	18	12	108	56	0
12	15	12	110	53	0
13	15	12	53	54	0
14	14	12	8	53	0
15	15	11	66	53	0
16	15	11	82	46	0
17	14	11	78	44	0
18	13	11	79	43	0
19	13	11	77	43	0
20	15	11	81	49	0
21	64	11	84	56	0
22	28	12	84	54	0
23	7	14	74	49	0
24	2	15	67	53	0
25	0	16	61	54	0
26	8	20	58	41	0
27	11	32	59	36	0
28	9	41	61	43	0
29	8	41	58	39	0
30	11	41	58	38	0
31	10	--	64	15	-
S.F.	311	462	2244	1596	0
Mean	10	15	72	51	0
Max.	64	41	110	67	0
Min.	0	6	8	15	0
A.F.	620	920	4450	3170	0
Water diverted 9160 A.F.					
Acreage reported D-627-5975					

DAILY DIVERSIONS OF CANALS--1977
 PAXTON-HERSHEY CANAL from North Platte River--Measured
 through Parshall flume--SW $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 18-14-33 W.
 Nr. Sutherland. 1.7 miles north of Hwy 30, 3/4 mile
 north of field access road, left bank of canal

Date	Oct.	May	June	July	Aug.	Sept.
1	20	0	25	114	90	44
2	30	0	13	115	93	51
3	32	0	33	116	97	52
4	26	0	12	115	99	48
5	31	0	19	117	90	46
6	35	0	39	117	79	36
7	16	0	24	119	76	39
8	11	0	20	113	87	41
9	4	0	19	96	84	41
10	6	0	19	80	82	50
11	7	0	17	72	81	51
12	0	0	35	78	74	44
13	0	0	24	77	79	39
14	0	0	20	87	80	36
15	0	0	19	89	79	40
16	0	0	30	96	74	41
17	0	0	42	98	62	43
18	0	0	43	104	34	44
19	0	0	46	108	29	51
20	0	0	44	109	33	33
21	0	0	44	105	38	32
22	0	0	46	96	44	33
23	0	0	46	89	58	35
24	0	0	67	85	64	69
25	0	0	79	85	76	43
26	0	2	84	82	72	42
27	0	24	98	85	71	40
28	0	30	101	89	67	41
29	0	25	104	84	69	44
30	0	33	108	87	69	21
31	0	22	---	89	54	--
S.F.	218	136	1320	2996	2184	1270
Mean	7	4	44	97	70	42
Max.	35	33	108	119	99	69
Min.	0	0	12	72	29	21
A.F.	430	270	2620	5940	4330	2520
Water diverted 16110 A.F.						
Acreage reported D-653-7323						

DAILY DIVERSIONS OF CANALS--1977
 PAISLEY CANAL from Blue Creek--Measured through
 4-foot Parshall flume--SE $\frac{1}{2}$ 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	24	0	4	14	0	12
2	24	0	4	15	0	11
3	24	0	3	15	0	12
4	25	0	8	14	0	12
5	26	0	12	7	5	11
6	28	0	21	0	12	11
7	20	0	19	0	11	11
8	15	0	18	0	10	11
9	12	0	16	4	11	12
10	11	0	18	11	10	15
11	11	0	24	7	10	12
12	12	0	27	10	10	14
13	12	0	25	11	16	12
14	12	0	25	13	16	17
15	12	0	24	12	20	16
16	12	0	19	14	12	17
17	12	0	19	12	13	18
18	12	0	15	8	13	18
19	12	0	17	8	13	14
20	13	5	15	0	13	12
21	4	12	6	0	13	12
22	0	14	6	0	14	12
23	0	11	12	0	14	13
24	0	10	14	0	14	14
25	0	10	12	0	14	14
26	0	8	9	0	11	15
27	0	0	14	0	10	16
28	0	0	14	0	10	17
29	0	0	15	0	10	17
30	0	1	14	0	10	11
31	0	4	--	0	12	--
S.F.	333	75	452	167	327	409
Mean	11	2	15	5	11	14
Max.	28	14	27	15	20	18
Min.	0	0	3	0	0	11
A.F.	660	150	900	330	650	810
Water diverted 3500 A.F.						
Acreage reported D-800-815; A-515-95; A-1738-176; Total-1086						

DAILY DIVERSIONS OF CANALS--1977
 PHELPS COUNTY CANAL from Platte River via
 Tri-County Canal--Measured through Parshall
 flume--SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 2-8-21 W.
 Nr. Overton. 5 miles south on oil road, 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	61	415	1260	1110	110
2	0	92	412	1270	1110	106
3	0	128	394	1210	1090	108
4	0	128	401	1200	992	108
5	0	128	418	1200	814	36
6	0	128	422	1190	670	0
7	0	128	426	1220	685	0
8	0	128	404	1290	724	0
9	0	156	398	1310	730	0
10	0	186	398	1310	754	0
11	0	186	408	1230	778	0
12	0	202	418	1160	784	0
13	0	232	422	1100	778	0
14	0	245	426	1050	772	0
15	0	250	454	1060	760	0
16	0	252	516	1100	754	0
17	0	272	584	1150	754	0
18	0	288	610	1170	748	0
19	0	282	610	1230	748	0
20	0	317	620	1260	760	0
21	0	329	588	1220	516	0
22	0	332	510	1170	347	0
23	0	341	556	1140	215	0
24	0	368	645	1110	170	0
25	22	432	772	1090	174	0
26	60	454	890	1050	160	0
27	60	450	953	1030	162	0
28	60	454	1100	1110	162	0
29	60	454	1060	1140	156	0
30	61	464	1220	1150	142	0
31	--	412	----	1140	124	-
S.F.	323	8279	17450	36320	18643	468
Mean	11	267	582	1172	601	16
Max.	61	464	1220	1310	1110	110
Min.	0	61	394	1030	124	0
A.F.	640	16420	34610	72040	36980	930
Water diverted 161620 A.F.						

DAILY DIVERSIONS OF CANALS--1977
 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	5	5	3	0
2	0	5	5	3	0
3	0	5	5	3	0
4	0	5	5	4	0
5	0	6	6	4	0
6	0	6	6	4	0
7	0	6	4	4	0
8	0	6	4	4	0
9	0	6	4	4	0
10	0	6	4	4	0
11	0	6	4	3	0
12	0	6	4	3	0
13	0	5	4	3	0
14	0	5	2	3	0
15	0	3	0	3	0
16	0	0	0	3	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	2	0	0	0	0
22	3	0	0	0	0
23	4	0	0	0	0
24	6	0	0	0	0
25	6	0	0	0	0
26	6	0	0	0	0
27	6	0	0	0	0
28	6	2	0	0	0
29	5	5	0	0	0
30	5	5	0	0	0
31	5	-	2	0	-
S.F.	54	93	64	55	0
Mean	2	3	2	2	0
Max.	6	6	6	4	0
Min.	0	0	0	0	0
A.F.	110	180	130	110	0

Water diverted 530 A.F.
 Acreage reported D-442a-604; A-3812-55;
 A-4599-15; A-5010-75; Total-749

DAILY DIVERSIONS OF CANALS--1977
 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
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-945-1652

DAILY DIVERSIONS OF CANALS--1977
 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	4	2	0
2	0	0	4	4	0
3	0	0	4	5	0
4	0	2	4	5	0
5	0	2	3	5	0
6	0	2	3	5	0
7	0	2	3	3	0
8	0	2	3	3	0
9	0	2	4	1	0
10	0	2	4	1	0
11	0	2	4	0	0
12	0	1	5	0	0
13	0	1	5	0	0
14	0	1	5	0	0
15	0	1	5	0	0
16	0	1	5	0	0
17	0	4	5	0	0
18	0	5	4	0	0
19	0	5	4	0	0
20	0	5	1	0	0
21	0	5	0	0	0
22	0	6	0	0	0
23	0	5	0	0	0
24	0	5	0	0	0
25	0	5	0	0	0
26	0	4	0	0	0
27	0	4	0	0	0
28	0	4	0	0	0
29	0	4	0	0	0
30	0	4	0	0	0
31	0	-	0	0	-
S.F.	0	86	79	34	0
Mean	0	3	3	1	0
Max.	0	6	5	5	0
Min.	0	0	0	0	0
A.F.	0	170	160	70	0

Water diverted 400 A.F.
 Acreage reported A-2566-473; A-10686-145;
 Total-618

DAILY DIVERSIONS OF CANALS--1977
 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	80	53	0
2	0	0	88	65	0
3	0	0	89	61	0
4	0	0	92	63	0
5	0	0	92	45	12
6	0	0	91	33	25
7	0	0	90	32	26
8	0	23	85	32	24
9	0	22	82	33	15
10	0	22	81	33	0
11	0	20	69	32	0
12	0	20	53	36	0
13	0	18	48	37	0
14	0	16	51	37	0
15	0	17	57	50	0
16	0	19	60	44	0
17	0	19	60	37	0
18	0	19	59	33	0
19	0	19	67	32	0
20	0	19	69	33	0
21	0	21	65	33	0
22	0	23	58	38	0
23	0	25	57	39	0
24	0	32	58	38	0
25	0	34	53	27	0
26	0	34	44	7	0
27	0	43	41	0	0
28	0	58	41	0	0
29	0	70	48	0	0
30	0	79	51	0	0
31	0	--	51	0	-
S.F.	0	672	2030	1003	102
Mean	0	22	65	32	3
Max.	0	79	92	65	26
Min.	0	0	41	0	0
A.F.	0	1330	4030	1990	200

Water diverted 7550 A.F.
 Acreage reported A-3869cR-2988; A-6216-
 535; A-10195-491; A-12068-699; A-12201-
 82; A-14178-275; Total-5070

DAILY DIVERSIONS OF CANALS--1977
 RIVERSIDE CANAL from Frenchman River--Measured
 in section of canal--NE&SE& Sec. 33-4-32 W.
 Nr. Culbertson

Date	May	June	July	Aug.	Sept.
1	0.0	0.0	10.5	12.0	0.0
2	0.0	0.0	11.7	13.0	0.0
3	0.0	0.0	11.2	13.0	0.0
4	0.0	0.0	11.0	12.9	0.0
5	0.0	0.0	11.8	11.9	0.0
6	0.0	0.0	10.8	11.0	0.0
7	0.0	0.0	12.0	11.0	0.0
8	0.0	0.0	13.4	10.0	0.0
9	0.0	7.8	13.0	9.8	0.0
10	0.0	8.0	12.0	10.0	0.0
11	0.0	7.6	12.2	10.0	0.0
12	0.0	8.0	13.1	10.0	0.0
13	0.0	8.0	13.1	8.8	0.0
14	0.0	7.6	13.4	8.8	0.0
15	0.0	7.0	13.0	12.2	0.0
16	0.0	7.0	11.7	11.7	0.0
17	0.0	7.0	10.9	12.0	0.0
18	0.0	6.0	10.6	12.0	0.0
19	0.0	5.4	11.0	12.0	0.0
20	0.0	5.0	11.0	12.2	0.0
21	0.0	0.0	11.8	11.0	0.0
22	0.0	0.0	12.0	10.0	0.0
23	0.0	0.0	12.1	8.8	0.0
24	0.0	0.0	12.0	9.0	0.0
25	0.0	0.0	13.0	0.0	0.0
26	0.0	0.0	13.0	0.0	0.0
27	0.0	8.0	13.0	0.0	0.0
28	0.0	9.0	13.0	0.0	0.0
29	0.0	8.9	12.6	0.0	0.0
30	0.0	10.8	11.8	0.0	0.0
31	0.0	----	13.2	0.0	----
S.F.	0.0	121.1	374.9	263.1	0.0
Mean	0.0	4.0	12.1	8.5	0.0
Max.	0.0	10.8	13.4	13.0	0.0
Min.	0.0	0.0	10.5	0.0	0.0
A.F.	0.0	240	740	520	0.0

Water diverted 1500 A.F.
 Acreage reported D-18-359; A-1674-202;
 Total-561

DAILY DIVERSIONS OF CANALS--1977
 SARGENT CANAL from Middle Loup River--Measured
 through 10-foot Parshall Flume--NW&NE& 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	257	233	0
2	0	0	257	233	0
3	0	0	257	237	0
4	0	0	258	236	0
5	0	9	260	226	0
6	0	71	260	190	0
7	0	80	248	168	0
8	0	71	202	154	0
9	0	48	206	133	0
10	0	49	167	132	0
11	0	49	75	127	0
12	0	49	54	129	0
13	0	49	61	129	0
14	0	66	61	133	0
15	0	71	65	147	0
16	0	74	89	152	0
17	0	81	114	137	0
18	0	79	202	143	0
19	0	78	253	131	0
20	0	78	260	125	0
21	0	78	254	123	0
22	0	78	218	120	0
23	0	80	210	81	0
24	0	96	208	71	0
25	0	111	200	39	0
26	0	121	201	0	0
27	0	152	207	0	0
28	0	208	208	0	0
29	0	244	213	0	0
30	0	257	168	0	0
31	0	---	221	0	-
S.F.	0	2427	5914	3729	0
Mean	0	81	191	120	0
Max.	0	257	260	237	0
Min.	0	0	54	0	0
A.F.	0	4810	11730	7400	0

Water diverted 23940 A.F.
 Acreage reported A-4841a-13758; A-10260c-
 Supp; A-12433-53; A-12632-56; Total-13867

DAILY DIVERSIONS OF CANALS--1977
 SHERIDAN-WILSON CANAL from North Platte River
 Measured through section of canal--NW&NW& Sec. 19-14-35 W.
 Nr. Paxton. 3.7 miles north of Hiway 30, 500 feet west on
 right canal bank

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

DAILY DIVERSIONS OF CANALS--1977
 SHERIDAN-WILSON CANAL from Sarben Slough
 Measured in section of slough
 SW&NE& Sec. 20-14-35 W.
 Nr. Paxton. 3 miles north of Hiway 30

Date	May	June	July	Aug.	Sept.
1	9	8	8	8	7
2	9	8	8	8	7
3	9	8	8	8	7
4	8	8	8	8	7
5	8	8	8	8	7
6	8	8	8	8	7
7	8	8	8	8	7
8	8	8	8	8	7
9	8	8	8	8	7
10	8	8	8	8	7
11	8	8	8	8	7
12	8	8	8	8	7
13	8	8	8	8	7
14	8	8	8	8	7
15	8	8	8	8	7
16	8	8	8	7	7
17	8	8	8	7	7
18	8	8	8	7	7
19	8	8	8	7	7
20	8	8	8	7	7
21	8	8	8	7	7
22	8	8	8	7	7
23	8	8	8	7	7
24	8	8	8	7	7
25	8	8	8	7	7
26	8	8	8	7	7
27	8	8	8	7	7
28	8	8	8	7	7
29	8	8	8	7	7
30	8	8	8	7	7
31	8	8	8	7	7
S.F.	251	240	248	232	210
Mean	8	8	8	7	7
Max.	9	8	8	8	7
Min.	8	8	8	7	7
A.F.	500	480	490	460	420

Water diverted 2350 A.F.

DAILY DIVERSIONS OF CANALS--1977
 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	19	0	36	34	25	0
2	18	0	40	33	26	0
3	17	0	41	34	29	9
4	18	0	40	38	24	13
5	6	0	35	39	26	11
6	6	0	38	40	25	14
7	6	0	36	36	23	17
8	6	0	33	38	22	19
9	6	0	36	38	22	22
10	6	10	39	37	23	26
11	3	32	33	38	24	34
12	3	40	33	37	25	44
13	1	41	35	37	23	32
14	0	45	50	37	23	25
15	0	52	44	36	22	23
16	0	44	30	35	24	20
17	0	32	30	35	25	19
18	0	36	34	35	25	19
19	0	43	31	31	25	21
20	0	46	25	46	27	21
21	0	42	23	32	29	21
22	0	43	7	37	32	19
23	0	35	11	38	30	19
24	0	23	34	34	26	21
25	0	40	38	31	22	23
26	0	43	36	38	27	24
27	0	36	52	34	25	22
28	0	34	60	35	12	9
29	0	36	50	25	0	13
30	0	24	35	26	0	17
31	0	32	--	26	0	--
S.F.	115	809	1065	1090	691	582
Mean	4	26	36	35	22	19
Max.	19	52	60	46	32	44
Min.	0	0	7	25	0	0
A.F.	230	1600	2110	2160	1370	1150

Water diverted 8620 A.F.
 Acreage reported D-946-2736

DAILY DIVERSIONS OF CANALS--1977
 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	12	26	16	0
2	0	2	24	16	0
3	0	0	24	17	0
4	0	0	26	21	0
5	0	0	26	22	0
6	0	0	28	26	0
7	0	0	28	16	0
8	0	0	29	13	0
9	0	0	23	23	0
10	0	0	34	25	0
11	0	0	27	19	0
12	0	0	23	13	0
13	0	0	21	11	0
14	0	0	18	11	0
15	0	0	15	10	0
16	0	0	14	7	0
17	0	0	5	7	0
18	0	0	2	10	0
19	0	1	15	12	0
20	0	1	27	13	0
21	0	1	33	11	0
22	0	3	33	9	0
23	0	5	31	3	0
24	0	0	29	3	0
25	0	0	26	3	0
26	0	11	27	1	0
27	0	16	27	0	0
28	0	18	25	0	0
29	0	18	22	0	0
30	0	22	21	0	0
31	3	--	17	0	--
S.F.	3	110	726	338	--
Mean	0	4	23	11	0
Max.	3	22	34	26	0
Min.	0	0	2	0	0
A.F.	10	220	1440	670	0

Water diverted 2340 A.F.
 Acreage reported D-680-1173

DAILY DIVERSIONS OF CANALS--1977
 SUBURBAN CANAL from North Platte River--Measured
 through rating flume--NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-14-33 W.
 Nr. Hershey, 2 miles north of Hiway 30, 1 mile west
 on county road, 200 feet north, 100 feet west, left
 side of canal

Date	Oct.	Nov.	May	June	July	Aug.	Sept.
1	25	51	0	23	107	74	49
2	4	21	0	42	114	86	51
3	4	0	0	54	117	89	50
4	3	0	0	54	114	85	45
5	15	0	0	54	110	87	45
6	69	0	0	53	106	74	59
7	63	0	0	53	106	71	79
8	63	0	0	58	96	69	78
9	64	0	0	74	81	76	78
10	65	0	0	75	79	78	78
11	65	0	0	75	77	76	78
12	65	0	0	75	78	76	76
13	66	0	0	74	76	76	57
14	69	0	2	75	76	66	55
15	70	0	9	75	73	64	56
16	58	0	12	71	69	69	54
17	51	0	25	46	80	70	53
18	50	0	14	63	106	69	53
19	50	0	23	63	106	68	53
20	50	0	46	64	116	71	53
21	50	0	37	64	119	75	53
22	50	0	27	70	121	74	51
23	50	0	36	76	121	73	50
24	50	0	35	84	114	69	51
25	50	0	35	79	105	71	51
26	50	0	35	81	91	75	51
27	50	0	35	82	77	63	53
28	50	0	35	89	77	51	54
29	50	0	35	102	76	49	54
30	50	0	33	110	75	49	56
31	50	--	17	---	74	49	--
S.F.	1519	72	491	2058	2937	2192	1724
Mean	49	2	16	69	95	71	57
Max.	70	51	46	110	121	89	79
Min.	3	0	0	23	69	49	45
A.F.	3010	140	970	4080	5830	4350	3420

Water diverted 21800 A.F.
 Acreage reported D-662-5513

DAILY DIVERSIONS OF CANALS--1977
 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	93	122	0
2	0	0	95	120	0
3	0	0	84	110	0
4	0	0	113	90	0
5	0	0	125	67	0
6	0	0	142	48	0
7	0	0	146	34	0
8	0	0	144	43	0
9	0	0	146	60	0
10	0	0	147	68	0
11	0	0	149	64	0
12	0	0	147	67	0
13	0	0	146	63	0
14	0	0	146	63	0
15	0	0	145	58	0
16	0	0	151	37	0
17	51	0	151	0	0
18	21	0	150	0	0
19	0	0	150	0	0
20	0	0	149	0	0
21	0	0	147	0	0
22	0	0	147	0	0
23	0	0	147	0	0
24	0	0	147	0	0
25	0	0	148	0	0
26	0	0	134	0	0
27	0	42	123	0	0
28	0	63	122	0	0
29	0	76	121	0	0
30	0	80	121	0	0
31	0	--	121	0	--
S.F.	72	261	4197	1114	0
Mean	2	9	135	36	0
Max.	51	80	151	122	0
Min.	0	0	84	0	0
A.F.	140	520	8320	2210	0

Water diverted 11190 A.F.
 Acreage reported A-2691cR-5445; A-6223-
 264; A-9723-45; A-9875-49; A-10966-93;
 Total-5896

DAILY DIVERSIONS OF CANALS--1977
SUTHERLAND POWER RETURN to the South Platte River at North Platte
Measured through power wheels--NE $\frac{1}{2}$ 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	0	0	525	588	569	540	625	585	585	1610	1684	1035
2	0	0	491	603	573	505	665	565	565	1618	1679	1000
3	0	0	422	597	569	515	605	495	540	1740	1712	955
4	0	0	419	568	559	505	645	430	560	1710	1545	955
5	0	0	436	570	558	515	650	395	645	1625	1472	960
6	0	0	422	549	556	515	640	445	715	1670	1341	920
7	0	0	477	584	555	515	640	525	795	1640	1338	875
8	0	0	518	585	558	460	610	495	885	1536	1336	850
9	0	0	504	578	563	455	555	520	860	1478	1322	795
10	0	0	494	580	585	385	560	505	880	1370	1304	795
11	0	0	514	588	518	380	565	460	855	1222	1446	795
12	0	0	521	554	551	210	490	480	855	1145	1396	795
13	0	0	521	585	536	415	435	520	855	1140	1414	715
14	0	0	576	565	550	415	405	565	855	1202	1601	655
15	0	0	603	565	543	415	360	560	890	1269	1621	650
16	0	0	599	565	547	415	265	625	875	1392	1537	655
17	0	0	603	565	544	395	300	675	960	1564	1514	655
18	0	0	582	560	615	375	315	710	1040	1677	1475	660
19	0	0	586	558	634	365	265	710	1025	1807	1416	625
20	0	0	562	559	618	425	265	695	1095	1850	1361	635
21	0	0	563	619	636	450	270	690	1205	1870	1343	635
22	0	0	576	558	633	395	280	665	1155	1548	1349	630
23	0	0	600	559	633	515	265	680	1280	1398	1338	660
24	0	322	587	558	621	505	270	585	1140	1331	1349	625
25	0	325	598	558	583	360	255	600	1140	1276	1306	630
26	0	358	587	560	565	410	260	670	1140	1239	1172	655
27	0	455	586	560	562	425	315	750	1225	1463	1131	505
28	0	550	586	565	555	420	380	790	1545	1645	1139	505
29	0	560	586	560	---	435	425	780	1750	1638	1140	470
30	0	563	571	558	---	485	580	695	1750	1643	1143	515
31	0	---	578	565	---	580	---	625	---	1679	1112	---
S. F.	0	3133	16793	17686	16089	13700	13160	18490	29665	46995	43036	21810
Mean	0	104	542	571	575	442	439	596	989	1516	1388	727
Max.	0	563	603	619	636	580	665	790	1750	1870	1712	1035
Min.	0	0	419	549	518	210	255	395	540	1140	1112	470
A. F.	0	6210	33310	35080	31910	27170	26100	36670	58840	93210	85360	43260
Water returned 477120 A.F.												

DAILY DIVERSIONS OF CANALS--1977
THIRTY MILE CANAL from Platte River--Measured
through Parshall flume--NW $\frac{1}{4}$ Sec. 30-12-26 W.
Nr. Brady. 3 $\frac{1}{2}$ miles south from Hwy 30, 2 miles
east, 4/5 mile north, east through yard, southeast
to end of road

Date	May	June	July	Aug.	Sept.
1	0	0	220	262	74
2	0	0	248	246	75
3	0	0	257	238	75
4	0	0	257	233	74
5	0	0	273	229	75
6	0	0	309	233	76
7	0	0	330	229	75
8	0	51	320	231	54
9	0	75	303	235	50
10	0	72	307	235	51
11	0	68	291	222	53
12	0	75	279	197	51
13	0	71	281	201	47
14	0	71	279	202	47
15	0	71	283	199	48
16	0	72	281	173	49
17	0	72	277	149	47
18	0	74	275	154	41
19	0	78	287	151	45
20	0	75	285	144	47
21	0	75	291	151	48
22	0	75	291	151	48
23	0	74	287	141	48
24	0	106	283	129	47
25	0	123	281	126	46
26	0	122	279	126	46
27	0	122	285	126	48
28	0	120	289	125	53
29	0	159	271	125	50
30	0	175	263	125	41
31	0	---	259	102	--
S. F.	0	2076	8721	5590	1629
Mean	0	69	281	180	54
Max.	0	175	330	262	76
Min.	0	0	220	102	41
A. F.	0	4120	17300	11090	3230
Water diverted 35740 A.F.					
Acreage reported A-1853R-19463; A-1976-3555; A-2077-320; Total-23338					

DAILY DIVERSIONS OF CANALS--1977
 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	1306	1260	1369	1119	1157	1223	1460	1284	2038	2206	2163	1643
2	1042	1176	1225	1298	1183	1200	1615	1287	1925	2196	2140	1613
3	777	1281	1208	1383	1193	1248	1299	1295	1597	2212	2134	1582
4	631	1218	1062	1389	1252	999	1493	1124	1406	2183	2146	1558
5	677	1285	1105	1329	1253	1257	1490	1019	1401	2186	2173	1457
6	721	1243	1021	1340	1234	1331	1477	992	1451	2201	2171	1457
7	867	1221	917	1405	1202	1269	1442	852	1440	2207	2163	1456
8	798	1197	1214	1257	1227	1232	1399	1052	1592	2126	2153	1330
9	711	1201	1160	1148	1239	1233	1352	1087	1408	2162	2166	1309
10	768	1147	1238	1200	1288	1102	1291	1026	1436	2110	2171	1317
11	660	1219	1103	1171	1230	1225	1309	1126	1405	2150	2172	1172
12	725	1117	1188	861	1292	906	1325	1052	1514	2151	2156	1172
13	767	1242	1192	950	1287	1362	1234	1132	1562	2141	2124	1337
14	743	1271	1188	1148	1284	1098	1244	1108	1465	2145	2189	1324
15	641	1251	1172	1201	1231	1583	1334	1005	1406	2164	2159	1175
16	994	1217	1167	1137	1257	1635	1361	1077	1393	2150	2046	1222
17	1201	1127	1186	1080	1203	1675	1361	1184	1441	2155	1953	1087
18	1194	1192	1187	1114	1265	1664	1269	1219	1566	2150	1861	1060
19	1101	1259	1161	1123	1300	1710	1422	1241	1541	2158	1775	1063
20	1159	1159	1026	1180	1288	1541	1843	1280	1619	2162	1685	1059
21	1131	1128	927	1260	1303	1504	2045	1447	1662	2164	1631	1064
22	1202	1063	1104	1295	1304	1331	1666	1657	1711	2154	1641	1076
23	1170	1256	1091	1283	1309	1455	1333	1612	2068	2154	1756	1090
24	1195	858	1145	1234	1299	1424	1291	1440	2035	2145	1765	1069
25	1211	1305	1135	1189	1296	1410	1240	1311	2114	2146	1796	1093
26	1196	1070	1151	1226	1252	1319	1096	1338	2082	2156	1696	1070
27	1219	752	1237	1237	1247	1321	1083	1441	2099	2166	1605	1014
28	1250	844	1263	1021	1224	1350	1088	1510	2078	2166	1581	954
29	1209	949	1185	880	----	1695	1207	1442	2105	2152	1589	1048
30	1205	1072	956	969	----	1529	1339	1647	2148	2099	1710	1100
31	1201	----	903	1050	----	1471	----	1971	----	2192	1721	----
S. F.	30672	34580	35186	36477	35099	42302	41408	39258	50708	67009	60191	36971
Mean	989	1153	1135	1177	1254	1365	1380	1266	1690	2162	1942	1232
Max.	1306	1305	1369	1405	1309	1710	2045	1971	2148	2212	2189	1643
Min.	631	752	903	861	1157	906	1083	852	1393	2099	1581	954
A. F.	60840	68590	69790	72350	69620	83900	82130	77870	100580	132910	119390	73330

Water diverted 1011300 A.F.
 Acreage reported A-2355-89345; (Storage only)-A-3620-952; A-3823-804; A-4656-1496; A-5278-5048; A-7716-800; A-9673-28746; Total-127191

DAILY DIVERSIONS OF CANALS--1977
 TRI-COUNTY CANAL, JEFFREY POWER RETURN to Platte River
 Measured through Parshall flume--SE¼NW¼ Sec. 17-13-27 W.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	53	58	86
2	0	0	0	0	0	0	0	0	0	28	0	113
3	0	0	0	0	0	0	0	0	0	30	32	113
4	0	0	0	0	0	0	0	0	0	0	17	115
5	0	0	0	0	0	0	0	0	0	0	60	115
6	0	0	0	0	0	0	0	0	0	0	0	128
7	0	0	0	0	0	0	0	0	0	0	23	126
8	0	0	0	0	0	0	0	0	24	0	167	84
9	0	0	0	0	0	0	0	0	50	0	373	42
10	0	0	0	0	0	0	0	0	26	0	551	48
11	0	0	0	0	0	0	0	0	0	0	558	71
12	0	0	0	0	0	0	0	0	0	0	459	62
13	0	0	0	0	0	0	0	0	0	0	545	41
14	0	0	0	0	0	0	0	0	0	0	600	34
15	0	0	0	0	0	0	0	0	19	0	548	36
16	0	0	0	0	0	0	0	0	50	0	520	35
17	0	0	0	0	0	0	0	0	50	0	459	35
18	0	0	0	0	0	0	0	0	51	0	498	33
19	0	0	0	0	0	0	0	0	58	0	561	33
20	0	0	0	0	0	0	0	0	48	26	579	32
21	0	0	0	0	0	0	0	0	85	20	592	31
22	0	0	0	0	0	0	0	0	195	0	495	29
23	0	0	0	0	0	0	0	0	241	0	391	21
24	0	0	0	0	0	0	0	0	289	0	444	0
25	0	0	0	0	0	0	0	0	394	0	337	0
26	0	0	0	0	0	0	0	0	483	28	254	0
27	0	0	0	0	0	0	0	0	528	44	263	0
28	0	0	0	0	0	0	0	0	498	0	215	0
29	0	0	0	0	0	0	0	0	275	0	215	0
30	0	0	0	0	0	0	0	0	104	44	267	0
31	0	0	0	0	0	0	0	0	---	89	143	-
S. F.	0	0	0	0	0	0	0	0	3468	362	10224	1463
Mean	0	0	0	0	0	0	0	0	116	12	330	49
Max.	0	0	0	0	0	0	0	0	528	89	600	128
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A. F.	0	0	0	0	0	0	0	0	6880	720	20280	2900

Water returned 30780 A.F.

DAILY DIVERSIONS OF CANALS--1977
 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	600	605	832	761	751	766	1094	954	704	47	38	841
2	590	625	832	812	786	766	1079	573	803	62	30	695
3	822	640	807	786	781	701	973	472	1018	54	27	481
4	817	615	832	776	837	731	1039	548	759	50	23	558
5	812	630	882	792	786	741	1034	583	477	46	55	570
6	817	630	822	817	761	731	1044	543	468	26	123	446
7	741	640	776	807	786	731	1049	588	318	22	309	790
8	746	650	802	797	776	756	1028	608	301	43	351	803
9	610	635	786	786	781	766	1008	560	227	57	256	764
10	595	645	802	792	802	716	1044	424	198	58	59	833
11	595	630	797	766	781	716	1028	479	226	46	50	803
12	534	645	731	766	741	807	686	469	227	45	46	828
13	524	615	781	746	751	857	650	423	227	14	41	833
14	544	645	797	741	761	847	660	415	219	0	54	820
15	496	671	797	741	776	963	655	395	203	23	46	854
16	544	671	776	766	736	988	802	393	113	26	58	850
17	539	615	862	751	751	1018	807	399	56	41	54	841
18	550	595	812	756	857	1089	852	386	66	34	24	828
19	686	610	797	746	948	1170	1084	397	90	34	18	833
20	665	660	807	756	913	1170	1180	357	48	45	18	882
21	691	671	771	746	887	1185	1180	405	74	40	126	850
22	610	761	761	746	877	1139	1407	612	146	21	182	864
23	625	716	766	746	857	928	1432	1040	190	14	276	850
24	615	736	817	776	877	701	1472	993	0	16	309	841
25	625	751	812	751	963	701	1435	667	60	33	351	864
26	635	756	812	792	862	963	666	451	53	26	380	850
27	625	736	812	741	887	933	646	251	0	39	388	864
28	645	787	817	751	867	983	671	240	71	45	464	886
29	560	817	902	781	---	933	705	260	43	45	430	985
30	570	802	676	751	---	938	640	232	49	42	456	807
31	550	---	948	807	---	1134	---	264	---	34	678	---
S.F.	19578	20205	25024	23849	22939	27578	29050	15021	7434	1128	5720	23814
Mean	632	674	807	769	819	890	968	485	248	36	185	794
Max.	822	817	948	817	963	1185	1472	1040	1018	62	678	985
Min.	496	595	676	741	736	701	640	232	0	0	18	446
A.F.	38830	40080	49630	47300	45500	54700	57620	29790	14740	2240	11340	47230
Water Returned	43900 A.F.											

DAILY DIVERSIONS OF CANALS--1977
 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 bank

Date	Apr.	May	June	July	Aug.	Sept.
1	0	278	578	933	589	577
2	0	268	502	983	565	561
3	0	262	325	1030	662	566
4	0	257	290	1044	814	580
5	0	396	260	1032	853	568
6	0	348	181	1014	815	570
7	0	329	34	1005	805	522
8	0	291	0	1003	802	482
9	0	250	0	1016	782	501
10	0	268	0	976	767	530
11	0	255	0	962	768	543
12	0	253	535	954	723	553
13	0	267	478	983	745	549
14	0	264	488	998	754	559
15	0	229	505	964	739	572
16	0	266	487	918	749	576
17	0	309	393	910	755	581
18	0	332	359	913	798	580
19	0	453	426	889	782	576
20	0	582	510	883	730	566
21	0	585	639	834	675	582
22	0	585	446	811	651	566
23	0	541	547	804	629	543
24	0	578	515	805	682	510
25	0	609	449	801	669	395
26	0	618	452	737	614	357
27	120	673	594	681	613	357
28	262	652	1065	707	620	254
29	294	620	1035	671	588	18
30	284	572	948	619	577	0
31	---	564	---	594	558	---
S.F.	960	12754	13031	27474	21873	14694
Mean	32	411	434	886	706	490
Max.	294	673	1065	1044	853	582
Min.	0	229	0	594	558	0
A.F.	1900	25300	25850	54490	43380	29150
Water diverted	180070 A.F.					

DAILY DIVERSIONS OF CANALS-1977

TRI-STATE DIVERSION
FOR FARMERS IRRIGATION DISTRICT AND PREFERRED RIGHTS
Summary in Acre-feet--1977

	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:							
North Platte River.....	1900	25300	25850	54490	43380	29150	180070
*Optional Diversions.....	0	220	200	790	1080	780	3070
**Drains.....	0	440	0	0	0	0	440
Total.....	1900	25960	26050	55280	44460	29930	183580

Water diverted 183580 A.F.
Acreage reported D-918-58537; A-660-2913; O.D.'s-322; Total-61772

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

DAILY DIVERSIONS OF CANALS--1977
UNION CANAL from Blue Creek--Measured through
Parshall flume--NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-16-42 W.
Nr. Lewellen. 1 mile west on Hiway 26, 6/10 mile
north, 6/10 mile west, 4/10 mile north through
farmyard

Date	Oct.	May	June	July	Aug.	Sept.
1	4	0	9	0	13	7
2	6	0	0	0	13	4
3	6	0	0	0	13	6
4	7	0	0	3	15	9
5	3	0	6	12	15	13
6	0	0	12	17	13	12
7	0	0	12	18	15	14
8	0	0	10	19	14	16
9	0	0	6	17	13	14
10	0	0	6	14	13	16
11	0	0	6	7	13	19
12	0	0	7	6	13	18
13	0	0	5	7	14	19
14	0	0	4	7	14	12
15	0	0	8	10	17	8
16	0	0	12	7	15	7
17	0	3	12	10	10	7
18	0	8	11	11	10	6
19	0	13	10	12	10	6
20	0	16	7	11	10	11
21	0	16	8	13	15	10
22	0	17	7	16	17	7
23	0	16	10	17	18	7
24	0	16	9	17	16	7
25	0	6	4	17	14	7
26	0	13	3	16	14	7
27	0	21	3	16	6	5
28	0	21	3	15	4	0
29	0	13	1	13	4	0
30	0	12	0	13	4	0
31	0	13	-	12	6	-
S.F.	26	204	191	353	381	274
Mean	1	7	6	11	12	9
Max.	7	21	12	19	18	19
Min.	0	0	0	0	4	0
A.F.	50	400	380	700	760	540

Water diverted 2830 A.F.
Acreage reported D-763-1306

DAILY DIVERSIONS OF CANALS--1977
WESTERN CANAL from South Platte River
Measured in section of canal--NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 14-12-43 W.
Nr. Julesburg, CO. 100 feet south of Hiway 138 & 385
junction, 1.1 mile south on Hiway 385, 3.8 miles east
on county road, 1.4 mile north on other county to farm-
yard road, 2/10 mile northwest through farmyard, under
bridge north of house

Date	Oct.	May	June	July	Aug.	Sept.
1	76	0	6	63	61	71
2	79	0	0	59	106	68
3	76	0	0	41	93	66
4	79	0	0	68	93	59
5	79	0	0	40	85	56
6	82	0	0	36	63	56
7	79	0	0	41	50	52
8	82	0	0	59	56	47
9	85	0	0	68	52	43
10	82	0	0	59	56	41
11	79	0	0	52	63	38
12	79	0	0	54	68	38
13	88	0	0	45	68	32
14	82	0	0	38	74	27
15	46	0	0	41	68	27
16	0	17	0	40	68	29
17	0	36	0	38	76	29
18	0	34	0	38	76	29
19	0	32	0	38	76	29
20	0	32	0	41	76	31
21	0	32	0	43	103	31
22	0	27	0	29	162	34
23	0	27	30	10	88	38
24	0	29	66	12	99	38
25	0	29	142	14	93	43
26	0	27	56	15	88	50
27	0	29	47	18	76	61
28	0	20	43	21	76	79
29	0	20	41	41	82	96
30	0	38	47	66	76	119
31	0	23	--	38	74	---
S.F.	1173	452	478	1266	2445	1457
Mean	38	15	16	41	79	49
Max.	88	38	142	68	162	119
Min.	0	0	0	10	50	27
A.F.	2330	900	950	2510	4850	2890

Water diverted 14430 A.F.
Acreage reported A-393-11145; A-1804-800; A-4739-
498; Total-12443

DAILY DIVERSIONS OF CANALS--1977

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

WINTERS CREEK CANAL from Winter Creek
 Measured through 8-foot Parshall flume
 SW $\frac{1}{4}$ NE $\frac{1}{4}$ 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	2	0	24	16	22	17
2	0	0	24	13	20	18
3	0	0	24	21	24	18
4	0	0	25	28	28	18
5	0	0	24	25	26	20
6	0	0	24	26	24	20
7	0	0	23	26	24	18
8	0	0	22	26	24	18
9	0	0	27	28	22	20
10	0	0	3	30	22	18
11	0	0	5	24	23	18
12	0	0	12	22	22	19
13	0	0	12	23	22	21
14	0	0	14	24	22	19
15	0	0	14	22	22	18
16	0	0	12	24	21	18
17	0	0	11	24	22	18
18	0	0	12	22	22	20
19	0	13	12	22	23	23
20	0	20	14	24	23	24
21	0	17	7	28	23	25
22	0	14	0	26	23	26
23	0	19	0	26	23	28
24	0	15	0	23	23	26
25	0	21	0	23	24	18
26	0	27	0	24	21	7
27	0	24	12	25	18	0
28	0	21	14	20	20	0
29	0	24	22	22	19	0
30	0	25	17	20	17	0
31	0	24	--	21	17	--
S.F.	2	264	410	728	686	513
Mean	0	9	14	23	22	17
Max.	2	27	27	30	28	28
Min.	0	0	0	13	17	0
A.F.	0	520	810	1440	1360	1020

Water diverted 5150 A.F.

Date	Oct.	May	June	July	Aug.	Sept.
1	7	0	26	36	42	37
2	0	0	25	37	42	38
3	0	0	25	37	48	40
4	0	0	25	39	52	41
5	0	0	25	40	54	42
6	0	0	24	39	52	44
7	0	0	35	40	44	42
8	0	0	37	41	35	41
9	0	0	36	46	39	41
10	0	7	1	43	43	42
11	0	6	22	40	45	42
12	0	19	11	41	44	44
13	0	24	14	40	44	45
14	0	24	10	42	42	47
15	0	27	19	41	44	48
16	0	26	31	41	45	49
17	0	25	26	40	45	49
18	0	26	16	40	45	51
19	0	30	15	37	46	15
20	0	30	16	22	49	15
21	0	33	31	40	51	33
22	0	32	0	46	51	28
23	0	30	0	38	48	29
24	0	28	0	33	49	30
25	0	30	0	41	51	30
26	0	27	0	40	46	28
27	0	25	8	32	44	28
28	0	24	22	24	42	28
29	0	25	32	45	40	28
30	0	26	37	42	38	26
31	0	26	--	44	37	--
S.F.	7	550	569	1207	1997	1101
Mean	0	18	19	39	45	37
Max.	7	33	37	46	54	51
Min.	0	0	0	22	35	15
A.F.	10	1090	1130	2390	2770	2180

Water diverted 9570 A.F.

DAILY DIVERSIONS OF CANALS--1977

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 Hiway 26 junction, 6/10
 mile north, on left bank

Date	May	June	July	Aug.	Sept.
1	0	0	7	10	8
2	0	0	7	11	8
3	0	0	7	14	8
4	0	0	7	11	8
5	0	0	7	11	8
6	0	0	7	11	8
7	0	0	7	10	8
8	0	0	6	10	8
9	0	0	6	10	8
10	0	0	7	10	8
11	0	0	6	10	8
12	0	0	6	10	6
13	0	0	5	10	5
14	0	0	8	9	6
15	0	0	8	8	6
16	0	0	8	7	6
17	0	0	8	7	6
18	0	0	9	7	6
19	0	0	9	7	2
20	0	0	7	7	0
21	0	0	11	7	6
22	0	0	4	7	7
23	0	0	0	7	7
24	0	0	0	7	7
25	1	0	0	8	7
26	2	0	0	8	8
27	0	0	1	8	11
28	1	3	3	8	12
29	1	4	4	8	13
30	0	6	5	8	12
31	0	--	10	8	--
S.F.	5	13	180	274	221
Mean	0	0	6	9	7
Max.	2	6	11	14	13
Min.	0	0	0	7	0
A.F.	10	30	360	540	440

Water diverted 1380 A.F.

DAILY DIVERSIONS OF CANALS--1977

WINTERS CREEK DIVERSIONS
 Summary in Acre-feet--1977

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:							
North Platte River.....	0	520	810	1440	1360	1020	5150
Winters Creek.....	10	1100	1160	2750	3310	2620	10950
Totals.....	10	1620	1970	4190	4670	3640	16100

Water diverted 16100 A.F.
 Acreage reported D-952-5748

DAILY DIVERSIONS OF CANALS--1977

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

CIRCLE PUMP from Niobrara River -- NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-28-51 W. (Mobile)
 Nr. Marsland. 1 mile south and east on south river bank.
 Water diverted 0 A.F. -- Acreage reported A-4758-373

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 relased 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

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

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

HOOVER PUMP from Niobrara River -- NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21-31-57 W.
 Nr. Harrison. 7 miles west, 1 $\frac{1}{2}$ miles south, on north river bank.
 Water diverted 0 A.F. -- Acreage reported D-510R-84

HUGHES CANAL from Niobrara River -- SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 1-28-52 W.
 Nr. Marsland. 1 3/4 mile west on Hiway 2 and river road junction, 1 mile south
 thru driveway, 1/4 mile southeast on trail road, on east river bank.
 Water diverted 0 A.F. -- Acreage reported D-987a-40; D-987b-20; Total-60

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

OLIVER RESERVOIR STORAGE from Lodgepole Creek -- SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36-15-57 W.
 Nr. Kimball. 7.8 miles west on Hiway 30, turn onto pasture road, 6/10 mile to dam.
 Storage impounded 0 A.F.

MISCELLANEOUS DISCHARGE MEASUREMENTS OF
RIVERS AND STREAMS NOT PUBLISHED OF THE
U. S. GEOLOGICAL SURVEY 1977

MEASUREMENT OF STREAMS Year Ending September 30, 1977					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
AIRPORT DRAIN Sec. 7-13-29 W.					
11-18	18.4	5- 6	19.2	7-29	21.1
2-24	19.9	5-23	20.9	8-12	19.8
4- 8	21.0	6-17	19.5		
AKERS DRAW TO RIVER AT INTERSECTION WITH TRI-STATE CANAL--Sec. 12-23-57 W.					
10-28	11.1	3-30	10.2	6-28	6.9
11-24	11.0	4-25	13.2	7-12	10.5
12-27	7.7	5- 9	8.5	7-26	8.0
1-24	7.6	5-24	8.4	8- 9	8.3
2-22	6.7	6- 7	8.8		
ALLIANCE DRAIN Sec. 20-22-53 W.					
10-28	12.3	2-24	5.4	5-27	3.9
12- 6	9.5	4-25	5.1	6- 9	7.3
1- 7	8.1	5-12	5.4	6-23	4.4
1-26	7.2	5-20	1.1	7-21	22.4
ASH CREEK NEAR MARIAVILLE Sec. 5-32-17 W.					
5- 3	10.5	7-28	6.1		
BALD DRAIN Sec. 32-22-56 W.					
10-28	2.1	3-30	0.3	6-14	47.5
12- 1	5.8	4-25	.5	6-28	4.3
12-28	1.7	5- 3	.3	7-12	4.0
1-24	.8	5-17	5.8	7-16	21.5
2-22	1.1	6- 1	23.9		
BAZILE CREEK NEAR BAZILE MILLS Sec. 27-30-5 E.					
7-12	12.2	8- 1	7.1	8-22	11.3
BEAVER CREEK NEAR SPENCER Sec. 1-33-12 W.					
5-26	0.0	8- 1	0.0		
BEAVER CREEK NEAR STUART Sec. 18-32-15 W.					
5-26	4.4	7-27	1.6		

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
BEAVER CREEK NEAR STUART Sec. 30-33-15 W.					
5-26	11.3	7-27	3.5		
BEEMAN CREEK NEAR RIVERVIEW Sec. 23-32-20 W.					
5-12	1.2	7-22	0.9		
BELL CREEK Sec. 3-21-9 E.					
7-13	0.2				
BELL CREEK NEAR ARLINGTON Sec. 6-17-10 E.					
9-12	9.2				
BELL CREEK ABOVE BROMM PUMP Sec. 11-20-9 E.					
7-13	0.5	8-19	2.0		
BENARD CREEK NEAR RIVERVIEW Sec. 21-32-20 W.					
5-12	0.2	7-22	0.1		
BETSY (CARVER) CREEK BELOW A-12365 Sec. 8-28-36 W.					
5- 4	4.5	6- 9	2.1		
BETSY (CARVER) CREEK INLET TO ROUND LAKE Sec. 7-28-36 W.					
5- 4	2.3				
BETSY (CARVER) CREEK BELOW A-12367 Sec. 8-28-36 W.					
6- 9	2.5				
BETSY (CARVER) CREEK BELOW KIME POND--A-6813 Sec. 24-29-35 W.					
5- 4	3.0	6- 9	0.04		

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	
		BLACKBIRD CREEK NEAR MACY Sec. 29-25-10 E.					BOW CREEK AT HIWAY 12 CROSSING Sec. 24-32-2 E.			
7-25	10.7	8-24	5.4	9-12	3.9	9-27	3.6	7-25	4.7	
8-11	4.8							8-11	20.4	
		BIG BLUE RIVER NEAR MILFORD Sec. 2-9-3 E.					BRUSH CREEK NEAR CATALPA Sec. 22-33-13 W.			
6-30	4.3					5-26	30.0	7-26	13.2	
		BIG BLUE RIVER AT BLUE BLUFFS GATE Sec. 19-9-4 E.					BUFFALO CREEK NEAR ELM CREEK Sec. 5-8-18 W.			
8- 3	4.0	9- 6	2.8			10- 7	23.8	11- 4	0.0	
		BIG BLUE RIVER BELOW BLUE BLUFFS GAGE Sec. 19-9-4 E.					10-21	.0	12- 2	.0
6-17	6.0	6-20	10.8	6-28	4.2	6-30	8.3	12- 2	.0	
		BIG BLUE RIVER BELOW GRUNTORAD PUMP Sec. 17-11-3 E.					BULL DRAIN NEAR MAXWELL Sec. 20-13-28 W.			
7- 5	1.6					11-18	3.5	5- 6	4.0	
		BIG BLUE RIVER ABOVE HERPOLSHEIMER RESERVOIR Sec. 10-12-2 E.					2-24	4.2	5-23	5.4
6-16	19.3	6-27	6.1	7-14	10.2	4- 8	4.2	6-17	3.6	
6-20	12.6	6-29	2.0	8- 1	2.1			7- 8	4.8	
		BIG BLUE RIVER BELOW HERPOLSHEIMER RESERVOIR Sec. 23-12-2 E.					8- 5	3.1	7-29	3.9
7- 6	5.0	7- 8	1.6					8-12	3.6	
		BIG BLUE RIVER BELOW KRATOVIL WELL Sec. 2-13-2 E.					BURTON CREEK NEAR BURTON Sec. 8-34-19 W.			
7- 7	2.4					3-25	11.0	5-20	5.9	
		BIG BLUE RIVER AT "0" STREET BRIDGE Sec. 27-10-3 E.					4-26	7.3	7-18	1.6
6-15	15.5	6-20	5.3	8- 3	1.0			6-22	8.9	
6-17	14.3	8- 2	14.0	8- 4	.6			8-19	1.8	
		BONE CREEK NEAR AINSWORTH Sec. 34-31-21 W.					CEDAR CREEK Sec. 11-18-48 W.			
5-18	56.2	7-19	41.0			10- 5	14.1	11-17	8.0	
						10-12	1.8	12- 3	8.1	
						10-19	6.7	12-14	7.9	
						11- 2	7.4	12 30	11.5	
								3- 8	11.5	
								CEDAR CREEK Sec. 28-18-48 W.		
								CEDAR BRANCH CREEK NEAR NEVINS Sec. 17-14-35 W.		
						8- 8	27.0	11- 3	2.4	
								4-26	2.5	
								5- 9	2.3	
								7-15	2.3	
								8-10	2.2	
								8-24	2.4	
								9- 7	2.2	
								9-28	2.6	

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977									
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.				
		CHADRON CREEK Sec. 36-32-46 W.						COON CREEK NEAR CARNS Sec. 24-32-19 W.							
10-19	0.4	2- 3	1.0	5- 9	1.2	8- 8	0.5	5-17	5.4	7-22	4.0				
		CHIMNEY CREEK NEAR MEADVILLE Sec. 6-32-22 W.						COTTONWOOD CREEK NEAR DUNLAP Sec. 16-29-48 W.							
5- 6	1.0	7-21	0.3			6- 1	0.6								
		CLAY CREEK NEAR MARIAVILLE Sec. 22-33-16 W.						CUB CREEK NEAR MEADVILLE Sec. 3-32-22 W.							
5-26	1.2	7-27	0.2			5- 6	2.0	7-21	0.6						
		CLEAR CREEK Sec. 5-15-41 W.						CUMING CREEK NEAR SCRIBNER Sec. 29-20-7 E.							
10-28	10.0	1-28	7.7	4-28	9.1	7-29	4.0	7-18	0.2	8-19	2.1	9-12	3.1	9-28	1.3
12- 2	9.1	2-25	9.9	5-26	8.9	9- 2	.6	8- 4	.6	8-29	.8				
1- 7	9.5	3-31	10.4	7- 1	9.1	9-30	9.0								
		CLEARWATER CREEK NEAR CLEARWATER Sec. 6-25-7 E.						DAWSON COUNTY DRAIN NO. 2 Sec. 25-10-23 W.							
7-12	25.6	7-28	21.0	8-22	17.0	9- 6	20.0	10- 5	4.3	12-15	3.5	2-18	3.4	4-28	4.7
8- 9	23.8							11- 2	2.3	1-14	2.6	3-15	2.7		
		CLEVELAND DRAIN Sec. 6=20-52 W.						DEAD MAN CREEK ABOVE CRAWFORD CITY RESERVOIR Sec. 1-30-53 W.							
10-28	2.9	1- 7	1.9	2-25	1.2	4-25	2.1	4- 5	1.4						
12- 3	1.9	1-17	.0	3-29	1.2					DEEP CREEK NEAR GLEN Sec. 32-31-53 W.					
		COLD WATER CREEK BELOW LISCO CANAL Sec. 34-18-46 W.						10-19	0.2	3- 8	0.6	6-13	0.6	8- 8	0.2
10- 5	0.1	12- 3	2.8	1-20	3.4	3- 8	4.2			DeGRAW DRAIN Sec. 24-20-51 W.					
10-12	4.2	12-14	3.4	2- 1	3.8	3-29	3.6	10-28	4.3	4- 7	2.7	6-14	4.5	8-15	7.7
11- 2	2.6	12-30	4.1	2-17	3.4	4-27	3.1	12- 3	5.0	5- 3	2.0	6-28	3.7	8-29	9.6
11-17	2.4							12-27	4.8	5-12	2.5	7-12	5.5	9- 6	8.8
		COLEMAN CREEK NEAR NORDEN Sec. 16-33-24 W.						1-27	2.8	5-24	4.9	7-26	6.4	9-16	11.2
5- 5	0.9							2- 8	3.5	5-31	3.8	8- 5	7.1	9-26	5.9
		COON CREEK NEAR BROCKSBURG Sec. 17-34-17 W.						3- 8	4.1	DRY CREEK NEAR ATKINSON Sec. 8-29-14 W.					
3-25	4.8	5-20	1.5	7-18	0.2	9-23	3.5	7-26	0.3						
4-26	3.7	6-22	2.2	8-19	.2										

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977							
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.		
		DUGOUT CREEK, UPPER Sec. 20-20-50 W.				4- 6	3.6			FANNING SEEP Sec. 28-23-56 W.			
10-13	12.1	12-27	9.8	2- 8	5.1	10-28	0.0	3-30	0.0	6- 1	0.0	8- 9	0.0
12- 3	7.4	1-27	8.6	3- 8	4.1	12-28	.0	4-25	.0	6-14	.0	8-24	.0
						1-24	.0	5- 3	.0	6-28	.0	9- 6	.0
						2-22	.0	5-17	.0	7-26	.0	9-20	.0
		EAGLE CREEK NEAR REDBIRD Sec. 11-32-11 W.								FLOCK DRAIN Sec. 8-13-29 W.			
5-26	48.0	7-25	23.9			10- 8	5.3	3-25	6.3	5-27	6.2	7-22	6.0
		ELKHORN RIVER NEAR ATKINSON Sec. 31-10-14 W.						2-22	5.5	4-25	5.8	6-17	5.7
7-27	8.5									FREMONT SLOUGH ON HIGHWAY B3 Sec. 16-13-30 W.			
		ELKHORN RIVER NEAR EMMET Sec. 23-29-13 W.						10-29	22.4	2- 8	24.5	3-10	31.6
7-26	26.6									FREMONT SLOUGH Sec. 17-13-29 W.			
		ELK CREEK NEAR RIVERVIEW Sec. 29-32-19 W.						10- 8	9.0	3-25	9.9	5-27	8.8
5-17	3.7					2-22	9.0	4-25	8.1	6-17	7.6	7-22	8.6
		ELKHORN RIVER, SOUTH FORK, AT EWING Sec. 2-26-9 E.										8-22	7.2
7-12	65.9	8- 9	36.9	8-22	12.8	9- 6	36.4	11- 3	2.6	4-26	2.8	6- 7	2.8
7-28	38.7							2- 2	2.8	5-19	2.8	7-27	2.8
								3-22	3.0				
		ELM CREEK NEAR ELM CREEK Sec. 33-9-18 W.								GRAVEL CREEK Sec. 9-14-36 W.			
10- 7	0.0	12- 2	0.0	2-15	0.0	4-12	0.0	11- 3	2.6	4-26	2.8	6- 7	2.8
11- 4	.0	1-12	.0	3-14	.0			2- 2	2.8	5-19	2.8	7-27	2.8
								3-22	3.0				
		FAIRFIELD SEEP Sec. 18-21-53 W.								HAT CREEK NEAR ARDMORE, SOUTH DAKOTA Sec. 21-35-54 W.			
10-28	1.4	3-29	0.6	6- 9	0.0	8- 4	4.5	10-20	0.0	6-27	0.0	8-10	1.4
12- 3	.4	4-25	.5	6-23	2.0	8-18	7.1	11- 5	1.0	7-13	1.6	8-15	.0
1- 7	.0	5-12	.7	7- 7	1.4	9- 1	3.7	12- 9	1.4	7-27	.0	8-19	.2
1-24	.0	5-27	2.3	7-22	1.2	9-15	4.5	5-26	.2				
2-24	.0									HAT CREEK BELOW COFFEE FLOOD CANAL Sec. 12-33-55 W.			
										6-27	0.02	8- 3	0.04
										7-20	.0	8-15	.7
										7-27	.6	8-19	.8
										6-10	.2		
		FAIRFIELD CREEK NEAR NORDEN Sec. 31-33-23 W.								HAT CREEK BELOW COFFEE CANAL Sec. 26-33-55 W.			
5- 6	27.3	7- 8	30.0			5-26	0.5	6-27	0.1	8- 3	0.3	8-31	1.2
						6-10	1.3	7-20	.4	8-15	1.0		

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

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
HAT CREEK AT WASSERBURGER PUMP Sec. 24-34-55 W.							
8-15	0.4	8-31	0.8	9-20	0.0	9-27	0.7
8-19	.9	9-13	.0				
HAT CREEK NEAR MONT ROSE Sec. 13-34-55 W.							
10-20	0.0	5-26	0.4	7-27	0.0	9-20	0.0
11-18	.0	6-10	.0	8- 3	.0	9-27	.0
11-24	.3	6-27	.0	8-15	.0		
HAT CREEK NEAR GEISERS RANCH Sec. 28-35-54 W.							
5-26	0.2	7-27	0.3	8-19	0.2	8-31	0.0
6-27	.0	8-15	.0	8-26	.0	9- 9	.0
HAT CREEK NEAR SEMROSKA RIPARIAN RIGHT Sec. 5-34-54 W.							
11-24	0.0	8-19	0.0	8-26	0.0	9-13	0.0
8-15	.0						
HAT CREEK Sec. 6-34-54 W.							
6-21	1.5	7-27	0.0	8-31	0.0	9- 9	0.0
6-27	.01						
HAT CREEK, WEST, BELOW WEST HAT CREEK CANAL Sec. 16-32-55 W.							
5-26	0.0	6-10	1.4	6-27	0.02	8-15	0.7
HOLT CREEK NEAR BURTON Sec. 30-35-20 W.							
3-25	29.0	5-20	9.7	7-18	1.7	9-23	15.8
4-26	15.0	6-22	21.6	8-19	3.7		
HOLT CREEK NEAR EMMET Sec. 28-29-13 W.							
7-26	8.8						
HOOSIER CREEK NEAR BUTTE Sec. 30-34-12 W.							
5-16	0.4	8- 1	0.1				

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

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
HORSE CREEK NEAR PARKS Sec. 21-1-39 W.							
4-26	1.4	6-27	0.05	7-26	0.05		
HOUGAN CREEK NEAR MARIAVILLE Sec. 29-33-17 W.							
5-13	1.6	7-28	1.5				
HUMBUG CREEK AT HIWAY 275 CROSSING Sec. 28-24-3 E.							
9-13	1.5						
INDIAN CREEK Sec. 19-20-50 W.							
10-28	9.9	12-27	8.8	2- 8	5.6	4- 6	4.7
12- 3	8.4	1-27	8.0	3- 8	5.1		
INDIAN CREEK NEAR MAX Sec. 23-3-36 W.							
4-26	5.4	6-27	1.4	7-26	0.8		
INDIAN CREEK, BIG, ABOVE FINK DAM Sec. 25-2-6 E.							
8- 1	0.9						
INDIAN CREEK, BIG, BELOW FINK DAM Sec. 25-2-6 E.							
7-27	4.5						
INDIAN CREEK, BIG, BELOW SICILY CREEK Sec. 2-1-6 E.							
7-27	4.1						
JEWETT CREEK NEAR MEADVILLE Sec. 9-32-21 W.							
5-12	1.7	7-21	0.6				
JIM CREEK ABOVE CALADONIA RESERVOIR--Sec. 13-33-57 W.							
6-27	0.1	8-31	0.1	9-13	0.1		
JIM CREEK ABOVE DOUT RESERVOIR NO. 1 Sec. 13-33-57 W.							
8-31	0.0						

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

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
JIM CREEK BELOW DOUT RESERVOIR NO. 1 Sec. 7-33-56 W.							
6-27	0.0	8-31	0.0	9-13	0.0		
JIM CREEK BELOW WARBONNET JUNCTION Sec. 10-33-56 W.							
6-14	0.7	8-15	0.0	8-31	0.05		
JIM CREEK BELOW MONROE JUNCTION Sec. 12-33-56 W.							
11-18	1.1						
JIM CREEK BELOW JORDAN RESERVOIR Sec. 32-33-56 W.							
6-27	0.0						
JOHNSON CREEK ABOVE SEMLER PUMP Sec. 1-8-2 E.							
7-28	0.1	8- 2	0.2	8- 3	3.4	8- 4	0.4
8- 1	.5						
JOHNSON CREEK BELOW SEMLER PUMP Sec. 6-8-3 E.							
7-28	0.1	8- 4	0.7				
KEITH-LINCOLN COUNTY DRAIN NO. 2 Sec. 24-14-35 W.							
11- 3	0.6	4-26	0.6	7-15	1.7	9- 7	1.8
2-18	.7	5- 9	1.1	8-10	1.7	9-28	1.5
3-29	.9	6-20	1.2	8-24	1.8		
KEYA PAHA RIVER NEAR BROCKSBURG Sec. 16-34-17 W.							
7-18	32.8						
KEYA PAHA RIVER AT BROCKSBURG BRIDGE Sec. 9-34-17 W.							
8- 1	31.5	8-11	76.7				
KEYA PAHA RIVER AT LEVINS BRIDGE Sec. 27-35-19 W.							
7-18	33.2						

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

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
KEYA PAHA RIVER AT STATELINE Sec. 23-35-20 W.							
8- 1	29.0						
LANE DRAIN Sec. 30-23-57 W.							
10-28	2.8	3-31	1.2	6-14	2.2	8- 9	3.1
11-24	2.3	4-25	.9	6-28	1.1	8-30	1.8
12-27	1.8	5- 3	1.1	7-12	1.4	9- 6	3.0
1-24	1.0	5-17	1.8	7-26	1.4	9-20	3.4
2-22	1.8	5-31	2.1				
LAUGHING WATER CREEK NEAR CARNS Sec. 24-32-19 W.							
5-17	3.4	7-22	2.0				
LAWRENCE FORK CREEK BELOW SPRING BRANCH CANAL Sec. 11-18-52 W.							
5-11	2.0						
LINCOLN COUNTY DRAIN NO. 2 Sec. 12-14-33 W.							
11- 4	3.3	4-14	3.2	6-21	3.4	8-24	3.0
1-14	2.4	5-11	3.0	8- 9	2.9	9-29	3.5
2-28	3.6	5-24	3.5				
LINCOLN CREEK AT HWAY 69 Sec. 26-12-1 W.							
6-16	0.7	6-25	1.6	7- 5	4.1	7-14	8.9
6-20	.1	6-27	2.3	7- 7	8.6	8- 5	8.0
6-23	.7						
LINCOLN CREEK NEAR STAPLEHURST Sec. 32-12-2 E.							
7- 5	6.0						
LODGEPOLE CREEK AT WYOMING-NEBRASKA STATE LINE Sec. 11-14-49 W.							
5-31	0.0	9-15	0.0				

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

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
LODGEPOLE CREEK BELOW OLIVER RESERVOIR Sec. 31-15-56 W.							
10-14	2.3	1-14	3.7	4-14	7.0	8- 2	1.0
11- 2	3.5	1-28	3.5	4-29	6.0	8- 4	.7
11-18	4.8	2-10	5.8	5-31	4.0	8-19	.6
12- 2	3.7	2-28	5.8	6-10	2.3	8-26	.4
12-16	4.8	3-15	8.7	6-29	2.8	9-15	.3
1- 3	4.1	3-31	12.6	7-15	4.1	9-30	.9
LODGEPOLE CREEK ABOVE BENNETT RESERVOIR Sec. 29-15-55 W.							
10-14	0.1	6-29	0.0	8-19	0.0	9-15	0.0
5-31	.2	7-15	.0	8-26	.0	9-30	.0
6-10	.1	8- 4	.0				
LODGEPOLE CREEK BELOW BENNETT RESERVOIR Sec. 22-15-55 W.							
10-14	0.0	6-10	0.0	8- 4	1.4	9-15	0.0
4-29	.0	6-29	.1	8-19	.0	9-30	.0
5-31	.0	7-15	1.1	8-26	.05		
LODGEPOLE CREEK NEAR KIMBALL Sec. 28-15-55 W.							
10-18	0.3	1-17	4.5	4-18	10.9	7-18	0.6
11-15	7.4	2-14	10.3	5-16	3.6	8-15	.4
12-20	3.3	3-21	9.2	6-20	1.2	9-19	.3
LODGEPOLE CREEK SOUTH OF BROWNSON Sec. 19-14-50 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
LODGEPOLE CREEK BELOW RUNGE CANAL Sec. 20-14-50 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
LODGEPOLE CREEK NEAR SIDNEY CITY PARK Sec. 6-13-49 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
LODGEPOLE CREEK BELOW PEETZ PUMP Sec. 35-14-49 W.							
5-18	1.6						

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

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
LODGEPOLE CREEK ABOVE KRUEGER CANAL Sec. 31-14-48 W.							
5- 4	3.3	6- 9	0.4	7-14	0.8	8-16	0.1
5-18	1.3						
LODGEPOLE CREEK SOUTH OF SUNOL Sec. 36-14-48 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
LODGEPOLE CREEK SOUTHEAST OF LODGEPOLE Sec. 32-14-46 W.							
5- 4	1.2	6- 9	0.1	7-14	0.0	8-16	0.0
5-27	.4						
LOGAN CREEK, SOUTH, AT HIWAY 35 CROSSING Sec. 8-26-4 E.							
7-25	3.2	8-12	2.1	8-24	1.7	9-27	6.7
LONERGAN CREEK AT LEMOYNE Sec. 17-15-39 W.							
10-28	6.3	1-28	5.4	4-28	5.0	7-29	4.6
12- 2	6.9	2-25	5.9	5-26	5.9	9- 2	4.8
1- 7	6.0	3-31	5.7	7- 1	4.8	9-30	6.1
LOST CREEK NORTH OF OSHKOSH Sec. 26-17-44 W.							
10-27	0.0	1-28	0.0	5-26	0.0	9- 2	0.0
12- 2	.0	3-16	.0	7- 1	.0	9-30	.0
1- 7	.0	4-28	.0	7-29	.0		
LOUP RIVER NEAR COLUMBUS-GENOA DIVERSION Sec. 6-16-4 W.							
7- 6	5.5	7-18	7.9	8- 1	6.9		
LOUP RIVER NEAR GENOA Sec. 25-17-4 W.							
7- 6	7.9	7-18	6.8				
LOUSE CREEK NEAR REDBIRD Sec. 12-32-10 W.							
5-25	10.5	7-25	5.4				

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977					MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	
		MCGILL CREEK NEAR NORDEN Sec. 36-32-24 W.					MUD (BEAVER) CREEK NEAR LITCHFIELD Sec. 34-14-16 W.			
5- 5	0.9	7- 8	0.6			6- 7	18.9	7- 5	15.8	
						6-20	26.0	7-11	25.9	
						6-27	18.4	7-18	8.2	
								7-25	7.7	
								8- 1	6.8	
								8- 8	29.5	
		MELBETA DRAIN Sec. 13-21-54 W.					MULESHOE CREEK NEAR NORDEN Sec. 22-33-24 W.			
10-28	3.2	1- 7	1.7	2-25	1.7	4-27	2.4			
12- 3	2.5	1-27	2.9	3-29	1.6			5- 5	2.7	
								7- 8	2.1	
		MIDDLE CREEK NEAR NORDEN Sec. 29-33-23 W.					NEMAHA RIVER, BIG, AT FALLS CITY Sec. 23-1-16 E.			
5- 6	1.6	7- 8	1.3			8- 8	76.8			
		MIDDLE CREEK, EAST, NEAR NORDEN Sec. 32-33-23 W.					NEMAHA RIVER, BIG, NORTH FORK, NEAR ELK CREEK Sec. 25-4-11 E.			
5-26	0.7	7- 8	0.5			6-16	12.4	6-27	9.4	
		MONROE CREEK ABOVE JORDAN RESERVOIR Sec. 23-33-56 W.					6-23	12.3	7-13	27.6
						6-24	12.7	6-28	5.3	
								6-29	6.6	
								7-14	11.1	
								7-18	4.5	
								7-23	5.5	
								7-28	5.1	
								8- 2	5.5	
								NEMAHA RIVER, BIG, NORTH FORK, NEAR SALEM Sec. 31-2-15 E.		
6-27	0.1	8-15	0.05	8-31	0.6	9-13	0.5			
		MONROE CREEK BELOW JORDAN RESERVOIR Sec. 13-33-56 W.								
								6-17	3.5	
		8-15	0.0					NEMAHA RIVER, BIG, NORTH FORK, NEAR ST. MARY Sec. 10-5-10 E.		
6-27	0.0							7-13	19.9	
		MONROE CREEK BELOW MONROE CANAL Sec. 33-33-56 W.							7-14	13.2
								7-27	10.2	
								NEMAHA RIVER, BIG, NORTH FORK, ABOVE TECUMSEH Sec. 24-5-11 E.		
6-27	0.2	8-15	0.3	8-31	0.7	9-13	0.6	7-21	5.9	
7-20	.1							7-29	23.9	
		LITTLE MOON SEEP Sec. 4-23-49 W.							8- 1	9.2
								8- 3	2.1	
								8- 4	13.4	
								NEMAHA RIVER, BIG, NORTH FORK, AT TECUMSEH Sec. 33-5-11 E.		
10-13	5.3	1-31	3.8	5- 6	3.8	7-14	5.2	6-23	10.3	
10-25	5.5	2-15	3.5	5-23	4.6	7-21	5.3	6-24	9.2	
11- 8	3.3	3- 1	2.8	6- 3	4.2	7-28	4.7	6-28	7.4	
11-22	3.2	3-16	3.2	7- 7	8.4	9-27	5.0	7-11	26.2	
12- 6	4.0	3-31	2.6					7-13	19.3	
		MUD (BEAVER) CREEK NEAR ANSLEY Sec. 16-15-18 W.							7-18	4.9
								7-20	1.6	
6- 7	9.3	7- 5	9.0	7-18	10.0	8- 1	9.8	7-26	47.8	
6-20	9.1	7-11	22.8	7-25	6.1	8- 8	13.1	7-28	9.1	
6-27	8.7							7-29	58.6	
								8- 1	12.0	
								8- 3	4.5	
								8- 8	32.1	
								8- 9	35.8	

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
NEMAHA RIVER, LITTLE, NEAR SYRACUSE Sec. 28-8-11 E.					
6- 9	0.4	7-13	10.0	7-21	0.7
6-15	2.8	7-14	7.0	7-25	1.7
6-30	2.2	7-18	.9	7-26	2.8
7-12	23.5	7-20	1.3		
NEMAHA RIVER, LITTLE, NEAR SYRACUSE Sec. 2 & 11-7-11 E.					
7- 2	1.4				
NEMAHA RIVER, LITTLE, NEAR TALMAGE Sec. 25-7-12 E.					
7- 2	1.6	7-18	1.6	7-26	5.6
7-12	31.4	7-21	1.6	8- 3	1.0
NEMAHA RIVER, LITTLE, NORTH FORK NEAR DUNBAR Sec. 12-8-12 E.					
7-12	2.8	7-18	0.4	7-28	1.1
7-13	1.6	7-25	19.4	8- 3	.3
NEMAHA RIVER, LITTLE, TRIB NORTH FORK, ABOVE A-11301 Sec. 1-8-12 E.					
6-22	0.5	6-24	0.1		
NEMAHA RIVER, LITTLE, TRIB NORTH FORK, BELOW A-11301 Sec. 1-8-12 E.					
6-24	0.04				
NEMAHA RIVER, LITTLE, SOUTH FORK NEAR TALMAGE Sec. 29-7-12 E.					
7- 2	1.6				
NIOBRARA RIVER BELOW POTMESIL CANAL Sec. 26-29-48 W					
6-16	8.1	6-23	13.6	7-14	3.8
NIOBRARA RIVER BELOW MIRAGE FLATS CANAL Sec. 26-29-48 W.					
6- 9	7.1				
OAK CREEK NEAR ASHTON Sec. 27-15-13 W.					
5-18	7.5	6- 6	12.7	8- 2	14.1
				9-20	8.4

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
OAK CREEK NEAR BROCKSBURG Sec. 19-34-16 W.					
3-24	6.3	5-20	3.1	7-18	1.4
4-27	4.5	6-22	3.4	8-19	2.0
OAK CREEK NEAR DENNEBROG Sec. 2-13-11 W.					
9-20	22.0				
OAK CREEK NEAR MARIAVILLE Sec. 6-32-17 W.					
5-13	3.3	7-28	1.6		
OAK CREEK, MIDDLE, ABOVE BRANCHED OAK RESERVOIR Sec. 23-12-4 E.					
6-22	0.8	6-22	0.8	7-12	3.1
				7-12	2.2
OAK CREEK ABOVE BRANCHED OAK RESERVOIR Sec. 2-12-4 E.					
7-12	0.5				
OAK CREEK BELOW BRANCHED OAK RESERVOIR Sec. 34-12-5 E.					
6-22	0.8	7- 1	4.4	7-22	4.3
6-27	.5	7- 5	2.2	7-26	2.2
6-28	.3	7-15	5.8	7-27	2.1
6-29	3.2	7-18	4.8	7-27	1.9
6-30	2.9	7-20	5.1	7-28	2.7
OAK CREEK BELOW STERN'S PUMP Sec. 35-12-5 E.					
7-26	0.2				
OMAHA CREEK Sec. 1-25-8 E.					
7-25	5.4	8-24	2.2	9-12	1.9
8-11	2.9			9-27	1.9
OMAHA CREEK, SOUTH, AT HIWAY 94 CROSSING Sec. 11-25-8 E.					
7-25	1.3	8-11	0.4	8-24	0.2

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

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
OTTER CREEK NEAR LeMOYNE Sec. 32-16-40 W.							
10-28	20.3	1-28	22.1	4-28	18.9	7-29	20.0
12- 2	20.6	2-25	20.4	5-26	20.7	9- 2	21.5
1- 7	21.4	3-31	21.4	7- 1	21.5	9-30	20.3
OTTER CREEK NEAR MARIAVILLE Sec. 29-33-16 W.							
5-26	6.2						
OWL CREEK NEAR LYMAN Sec. 27-22-57 W.							
10-13	0.2	2-15	0.4	5-23	0.2	7-28	1.8
10-25	.3	3- 1	.5	5-27	.2	8- 4	.7
11- 8	.3	3-16	1.1	6- 3	.1	8-11	.1
11-22	.2	3-31	.5	6-10	.2	8-17	.8
12- 6	.0	4-12	.6	6-17	.1	8-24	.2
12-21	1.0	4-28	.1	6-24	.2	9- 1	.1
1- 3	.0	5- 6	.2	7- 7	.1	9- 8	.1
1-17	.0	5-13	.2	7-14	.1	9-14	.1
1-31	.1			7-21	.2	9-27	.1
OWL CREEK NEAR LYMAN Sec. 21-22-57 W.							
10-13	0.5	3-16	0.5	6- 3	95.0	8- 4	24.7
10-25	.4	3-31	.6	6-10	1.4	8-11	.6
11- 8	.5	4-12	.8	6-17	77.4	8-17	1.2
11-22	.3	4-28	.1	6-24	23.6	8-24	.6
12- 6	.1	5- 6	.4	7- 7	.6	9- 1	24.7
1-31	.1	5-13	92.8	7-14	.7	9- 8	1.0
2-15	.4	5-23	34.8	7-21	.9	9-14	.6
3-1	.4	5-27	2.6	7-28	2.7	9-27	54.2
OWL CREEK NEAR LYMAN Sec. 16-22-57 W.							
10-13	0.9	2-15	0.8	5-27	9.7	8- 4	31.4
10-25	.9	3- 1	.4	6- 3	92.9	8-11	5.5
11- 8	1.1	3-16	1.5	6-10	2.1	8-17	9.6
11-22	.5	3-31	.9	6-17	75.4	8-24	6.1
12- 6	.4	4-12	1.7	6-24	8.2	9- 1	28.9
12-21	1.4	4-28	.6	7- 7	5.2	9- 8	2.9
1- 3	1.3	5- 6	.5	7-14	5.9	9-14	3.7
1-17	1.3	5-13	102.0	7-21	6.3	9-27	62.4
1-31	.2	5-23	35.0	7-28	14.0		

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.							
10-13	3.2	3-16	2.0	6- 3	98.6	8- 4	33.2
10-25	2.8	3-31	1.4	6-10	5.2	8-11	3.4
11- 8	2.8	4-12	3.0	6-17	67.4	8-17	13.8
11-22	2.2	4-28	.8	6-24	12.4	8-24	10.9
12- 6	1.8	5- 6	1.3	7- 7	3.5	9- 1	33.8
1-31	1.1	5-13	138.0	7-14	4.7	9- 8	11.8
2-15	2.0	5-23	42.0	7-21	4.1	9-14	16.1
3- 1	1.3	5-27	13.6	7-28	17.9	9-27	66.0
OWL CREEK BELOW HORSE CREEK LATERAL PUMPS Sec. 7-22-57 W.							
10-13	2.7	3-16	2.4	6- 3	96.4	8- 4	35.4
10-25	1.6	3-31	1.3	6-10	2.9	8-11	1.3
11- 8	1.6	4-12	2.6	6-17	72.5	8-17	8.9
11-22	1.0	4-28	.8	6-24	16.7	8-24	7.7
12- 6	.9	5- 6	.8	7- 7	1.5	9- 1	31.8
1-31	.4	5-13	154.0	7-14	1.0	9- 8	10.3
2-15	.9	5-23	39.4	7-21	2.6	9-14	7.7
3- 1	1.3	5-27	11.5	7-28	13.6	9-27	63.9
PAMNEE CREEK Sec. 4-12-27 W.							
10- 5	5.4	2-18	18.7	5-25	15.2	8- 5	4.9
11- 1	9.5	3-17	31.0	6- 8	8.7	8-19	5.2
12-13	13.5	4-11	9.7	6-22	7.8	9- 7	5.2
1-14	5.7	5- 6	12.8	7-20	4.5	9-28	9.4
PAYNE CREEK Sec. 12-23-2 E.							
9-12	0.1						
PEBBLE CREEK NEAR SCRIBNER Sec. 36-20-6 E.							
7-18	4.0	8- 4	0.9	8-19	8.4	9-12	7.0
7-29	4.4						
PEBBLE CREEK Sec. 29-25-10 E.							
9-28	4.7						
PISCHEL CREEK NEAR PISCHELVILLE Sec. 26-32-8 W.							
5-25	2.2	7-25	0.02				

MEASUREMENT OF STREAMS--Continued
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Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		PISCHEL CREEK BELOW A-13804 Sec. 27-32-8 W.					
2-16	0.8						
		PISCHEL CREEK, TRIB TO, ABOVE A-13343 Sec. 7-31-8 W.					
2- 9	0.5						
		PISCHEL CREEK, TRIB TO, BELOW BARTOS RESERVOIR Sec. 7-31-8 W.					
2- 9	0.3						
		PLUM CREEK NEAR WEST POINT Sec. 15-22-6 E.					
7-18	4.2	8- 4	3.1	8-19	3.4	8-29	2.9
		PLUM CREEK Sec. 4-22-6 E.					
9-12	3.5	9-28	1.5				
		PRAIRIE CREEK AT HIGHWAY 14 BRIDGE Sec. 26-15-6 W.					
7- 6	3.9	7-18	1.9	7-25	2.0	8- 1	0.9
		PRAIRIE CREEK AT A-3380 Sec. 25-16-5 W.					
7- 7	0.1						
		PRAIRIE CREEK AT A-4245 Sec. 34-16-5 W.					
7- 7	0.8						
		PRAIRIE CREEK ABOVE A-4307 Sec. 26-15-6 W.					
7- 7	3.6						
		PRAIRIE CREEK BELOW A-4307 Sec. 26-15-6 W.					
7- 7	2.1						
		PRAIRIE CREEK BELOW A-4341 & A-9910 Sec. 26-16-5 W.					
7- 7	0.1						

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

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		PRAIRIE DOG CREEK ABOVE SOW BELLY CREEK JUNCTION Sec. 17-33-55 W.					
6-27	0.0	8-15	0.0	8-31	0.0	9-13	0.0
		PRESSER CREEK NEAR SPRINGVIEW Sec. 13-32-21 W.					
5-12	0.4						
		PUMPKIN CREEK ABOVE MEREDITH-AMMER DAM Sec. 23-19-50 W.					
6-30	6.2	7-13	6.2				
		PUMPKIN CREEK BELOW MEREDITH-AMMER DAM Sec. 23-19-50 W.					
6-30	0.7	7- 5	0.1				
		PUMPKIN CREEK BELOW LAST CHANCE CANAL Sec. 27-19-50 W.					
7- 6	1.0	7- 6	2.4	8- 1	2.1	8- 1	4.2
7- 6	3.7	7- 6	3.2				
		PUMPKIN CREEK AT MORRILL COUNTY BANNER COUNTY LINE--Sec. 25-19-53 W.					
5- 3	2.0	6-21	1.5	7-19	0.4	8-29	0.2
		PUMPKIN CREEK ABOVE SCOTT RESERVOIR Sec. 12-19-56 W.					
5- 3	1.2	6-21	0.2	7-19	0.04	8-29	0.0
6- 2	.4						
		PUMPKIN CREEK BELOW SCOTT RESERVOIR Sec. 7-19-55 W.					
5- 3	1.7	6-21	0.2	7-19	0.0	8-29	0.0
6- 2	.4						
		PUMPKIN CREEK ON GERING-KIMBALL HIWAY Sec. 4-19-55 W.					
5- 3	1.0	6-21	0.2	7-19	0.0	8-29	0.0
6- 2	.4						

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
		REDBIRD CREEK NEAR REDBIRD Sec. 11-32-10 W.						SANDY CREEK, BIG, NEAR DUSTIN Sec. 12-33-14 W.			
5-25	37.8	7-25	11.1			5-26	52.0	7-27	23.1		
		RICKMAN CREEK NEAR RIVERVIEW Sec. 22-32-20 W.						SANDY CREEK, LITTLE, NEAR CATALPA Sec. 18-33-13 W.			
5-12	0.6	7-22	0.3			5-26	3.9	7-27	2.2		
		ROCK CREEK NEAR CARNS Sec. 29-32-18 W.						SARBEN SLOUGH Sec. 20-14-35 W.			
5-17	4.3	7-22	2.6			11- 3	9.5	4-26	9.5	7-15	7.6
		ROCK CREEK NEAR MEADVILLE Sec. 12-32-22 W.						2-18	10.0	5- 9	7.5
						3-29	11.1	6-20	7.6	8-10	8.0
										8-24	6.6
								SCOTTSBLUFF DRAIN NO. 1 Sec. 25-22-55 W.			
5- 6	3.9	7-31	2.3					3-29	0.9	6-22	3.4
		ROUND LAKE STRUCTURE OUTLET Sec. 7-28-36 W.						4-25	1.2	7- 8	2.6
						10-28	2.9	5-10	.6	7-19	2.5
						11-24	4.3	5-23	1.9	8- 4	8.3
						1- 7	1.5	6- 7	3.4		
5- 4	0.0	6- 9	1.6			1-26	1.8	SCOTTSBLUFF DRAIN NO. 2 Sec. 4-22-54 W.			
						2-25	.9	3-29	1.6	6-22	8.5
		SAND CREEK Sec. 34-16-40 W.						4-25	1.2	7- 7	5.4
10-28	3.8	1-28	3.8	4-28	3.7	7-29	4.0	5-10	.9	7-22	4.5
12- 2	4.2	2-25	3.7	5-26	3.7	9- 2	4.4	5-23	7.8	8- 4	5.8
1- 7	3.9	3-31	4.2	7- 1	3.7	9-30	4.6	6- 7	7.4		
								12- 6	2.7	9-13	7.9
		SAND CREEK NEAR REDBIRD Sec. 6-32-9 W.						1- 7	1.4	9-26	5.7
								1-26	1.9		
5-25	1.1	7-25	1.0			2-24	2.1				
		SAND CREEK NEAR RIVERVIEW Sec. 30-32-19 W.						SHELDON DRAIN Sec. 14-11-26 W.			
								10- 5	6.7	2-18	7.1
								11- 1	6.8	3-17	9.6
5-17	2.3	7-28	2.0					4-11	7.5	5-27	16.9
								12-13	7.2	6- 8	11.7
								1-14	7.6	6-22	8.2
		SAND DRAW NEAR AINSWORTH Sec. 19-31-21 W.						5-11	12.1	7-18	10.6
5-18	6.7	7-19	8.4					SHELL CREEK AT HIWAY 81 Sec. 29-18-1 E.			
								8-29	3.9		
		SANDY CREEK, BIG, NEAR DUSTIN Sec. 21-33-14 W.						SHELL CREEK NEAR PLATTE CENTER Sec. 13-18-2 E.			
5-26	32.3	7-27	12.1					7-18	3.2	8- 4	0.9
								6-30	4.7		

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

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SHORT PINE CREEK NEAR RIVERVIEW Sec. 34-22-20 W.							
5-17	1.0	7-28	0.7				
SILVERNAIL DRAIN Sec. 6-19-49 W.							
10- 5	8.3	12- 3	7.4	2- 1	6.2	3-25	5.0
10-12	7.8	12-15	6.9	2-17	5.1	4- 6	4.4
10-28	7.4	12-30	6.3	3- 8	5.3	4-27	3.9
11-17	7.5	1-20	6.0				
SIMPSON CREEK NEAR MARIAVILLE Sec. 26-33-17 W.							
5-13	0.8	7-28	0.9				
SKINNER CREEK NEAR SPRINGVIEW Sec. 15-32-21 W.							
5-12	0.6	7-22	0.2				
SKUNK CREEK Sec. 1-14-37 W.							
11- 3	2.6	4-26	2.7	6- 7	2.3	8-23	2.7
2- 2	2.5	5-19	2.5	7-27	2.4	9- 8	2.4
3-22	2.4						
SOAP CREEK ABOVE SIEMS PUMP Sec. 15-5-5 E.							
7- 1	0.04	7- 6	0.04				
SOLDIER CREEK NEAR CRAWFORD Sec. 3-31-53 W.							
10-19	4.3	3-22	5.2	8- 3	2.4	8-17	2.6
2- 7	4.5						
SOW BELLY CREEK BELOW JIM CREEK JUNCTION--Sec. 4-33-55 W.							
11-18	0.8	6-27	0.0	8-15	0.5	9-13	0.3
5-26	.0	7-27	.6	8-19	.1	9-27	.5
6-10	.0	8- 3	.1	8-31	.6		
SOW BELLY CREEK BELOW ZIMMERMAN CANAL Sec. 34-33-55 W.							
6-10	2.2	8-15	0.7	8-31	1.7	9-13	1.4
6-27	.3	8-19	1.8				

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

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
SOW BELLY CREEK BELOW QUINTARD RIPARIAN RIGHT Sec. 17-33-55 W.							
11-18	0.0	6-10	0.7	8-15	0.4	8-31	0.7
11-24	2.0	6-27	.0				
SOW BELLY CREEK BELOW SOW BELLY CANAL Sec. 7-32-55 W.							
2- 9	2.5	6-27	2.2	8-15	0.5	9-13	1.5
5-26	.1						
SOW BELLY CREEK BELOW ANDREWS CANAL Sec. 5-32-55 W.							
2- 9	0.7	2- 9	1.1	6-10	2.5		
SPOTTEDTAIL CREEK, WET Sec. 6-22-55 W.							
10-28	16.2	3-30	12.1	6-23	20.0	8-16	13.5
11-24	14.7	4-25	15.3	7- 8	16.5	8-30	11.8
12-28	13.1	5-11	12.2	7-19	14.9	9-13	14.1
1-24	13.2	5-24	17.0	8- 2	16.2	9-27	12.6
2-22	11.6	6- 7	10.6				
SPRING CREEK NEAR BUTTE Sec. 25-34-13 W.							
3-18	1.0	3-24	0.7	5-16	0.1	8- 1	0.0
SPRING CREEK NEAR CATALPA Sec. 22-33-13 W.							
5-26	4.3	7-26	2.1				
SPRING CREEK NEAR MILLS Sec. 4-34-18 W.							
7-18	2.6						
SPRING CREEK NEAR MILLS Sec. 16-34-18 W.							
3-25	14.0	5-20	11.4	7-18	5.7	8-23	10.6
4-26	13.1	6-22	12.4	8-19	8.8		
SQUAW CREEK NEAR PISCHELVILLE Sec. 7-32-8 W.							
5-25	3.6	7-25	2.6				

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
STEELE CREEK NEAR PISCHELVILLE Sec. 18-32-8 W.						TURKEY CREEK NEAR CATALPA Sec. 28-33-12 W.					
5-25	14.0	7-25	7.2			5-26	5.9	7-26	4.4		
STREVER CREEK SOUTH OF OVERTON Sec. 1-8-20 W.						UNION CREEK Sec. 32-22-1 W.					
10- 8	4.9	12-21	0.0	2-22	0.0	4-12	4.5	9-20	12.5		
11- 2	2.5	1-12	.0	3- 8	9.3						
SUTHERLAND POND DRAIN AT KEYSTONE Sec. 1-14-38 W.						UNION CREEK NEAR MADISON Sec. 6-21-1 W.					
10- 1	1.8	4-12	5.9	6-14	6.3	9- 1	5.1	6-30	2.5	8- 4	0.5
11- 9	5.7	5-12	5.7	6-20	6.2	9-12	5.7	7-18	1.3	8-18	16.5
1-11	3.8	5-26	6.4	8-23	5.7	9-26	5.3			8-29	0.9
3- 9	5.6										
THOMAS CREEK NEAR RIVERVIEW Sec. 20-32-20 W.						VERDIGRE CREEK NEAR VERDIGRE Sec. 9-30-6 W.					
5-12	0.2	7-22	0.0			4-27	95.0	6- 6	74.3	7-25	69.6
						5-18	86.7	6-27	69.7	8-10	70.0
										8-31	85.3
										9-21	89.4
TIMBER CREEK ABOVE HELLBUSCH Sec. 21-17-7 W.						VERDIGRE CREEK NEAR VERDIGRE Sec. 9-30-6 W.					
7- 6	0.9	7-18	1.2	8- 1	1.8	7-12	102.	8-22	76.6	9- 6	73.8
						8- 1	55.0			9-19	85.2
TURKEY CREEK AT HIWAY 11 NEAR DANNEBROG Sec. 26-14-11 W.						WARBONNET CREEK ABOVE WARBONNET CANAL Sec. 20-33-56 W.					
5-18	15.4	6- 6	19.7	8- 2	38.2	9-20	9.0	8-15	1.3		
TURKEY CREEK NEAR ST. PAUL Sec. 19-14-10 W.						WARBONNET CREEK BELOW WARBONNET CANAL Sec. 21-33-56 W.					
5-18	28.5	6- 6	22.6	8- 2	36.1	9-20	11.0	6-27	0.2	8-15	0.0
								7-20	.9	8-31	0.7
										9-13	0.9
TURKEY CREEK NEAR DANNEBROG Sec. 25-14-11 W.						WARBONNET CREEK NEAR HARRISON Sec. 10-33-56 W.					
5-18	23.6	6- 6	9.4	8- 2	25.2	9-20	8.2	11-18	0.9	7-20	0.0
										9-13	0.1
TURKEY CREEK, TRIB TO, NEAR DANNEBROG Sec. 16-14-11 W.						WENTWORTH CREEK NEAR RIVERVIEW Sec. 24-32-20 W.					
8-30	1.0							5-13	0.0	7-22	0.0
TURKEY CREEK NEAR NORDEN Sec. 36-33-23 W.						WHISKEY CREEK NEAR LYNCH Sec. 14-33-10 W.					
6- 6	2.6	7-21	2.0			5-16	0.0	8- 1	0.0		

MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977						MEASUREMENT OF STREAMS--Continued Year Ending September 30, 1977					
Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
WHITE HEAD CREEK ABOVE HAT CREEK JUNCTION Sec. 4-34-54 W.						WYMAN CREEK NEAR RIVERVIEW Sec. 19-32-19 W.					
5-26	0.0	7-27	0.05	8-19	0.01	8-31	0.0	5-13	2.2	7-22	1.2
6-27	.0	8-15	.0	8-26	.0	9-13	.0				
WHITE HORSE CREEK Sec. 5-13-29 W.											
11-18	14.6	5- 6	27.1	7- 8	48.3	8-29	7.1				
2-24	36.7	5-23	77.8	7-29	6.6	9-30	9.1				
4- 8	29.5	6-17	10.7	8-12	8.3						
WHITE RIVER BELOW WHITNEY PIPE LINE Sec. 26-32-52 W.											
7-11	2.6										
WHITE TAIL CREEK Sec. 36-15-38 W.											
10- 1	30.0	4-12	30.7	6-14	29.1	8-26	30.1				
11- 2	30.3	5-12	29.1	7-11	31.0	9-12	31.5				
1-18	29.7	5-26	30.6	8- 1	28.6	9-26	30.6				
3-15	30.3										
WILLOW CREEK NEAR MARIAVILLE Sec. 6-32-17 W.											
5-13	2.8	7-28	0.8								
WILLOW CREEK AT WINTER FARM Sec. 6-25-2 W.											
7-20	0.7										
WILLOW CREEK AT SYNOVEC FARM Sec. 5-25-2 W.											
7-20	1.0										
WILSON CREEK ABOVE A-12351 Sec. 6-8-13 E.											
6-22	0.4	6-24	0.2	6-27	0.2						
WILSON CREEK BELOW A-12351 Sec. 7-8-13 E.											
6-24	0.1										

MISCELLANEOUS DISCHARGE MEASUREMENTS
OF
CANAL AND PUMP DIVERSIONS 1977

MEASUREMENT OF CANALS Year Ending September 30, 1977							
Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
ABBOTT PUMP--A-2263R, A-2927R Diverted from North Loup River--Sec. 5-29-39 W. & 24-22-20 W.							
7-27	1.9	8-9	2.0				
ABBOTT-SPRADLIN PUMP--A-11065 Diverted from North Loup River--Sec. 9-24-25 W.							
8-17	1.4						
ADAMS CANAL--D-371 Diverted from Lodgepole Creek--Sec. 3-14-52 W.							
5-4	0.0	6-9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
ALLEN-LARNED CANAL--D-117 Diverted from Buffalo Creek--Sec. 18-1-40 W.							
6-7	5.3	7-19	4.5	8-2	4.8	8-16	3.9
6-21	7.5						
AMSBERRY & JARSCHKE PUMP--A-2051 Diverted from Mud (Beaver) Creek--Sec. 21-15-17 W.							
7-8	1.7						
ANDERSON CANAL--D-373 Diverted from Lodgepole Creek--Sec. 8-14-51 W.							
5-4	0.0	6-9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
ANDERSON PUMP--A-2263R Diverted from North Loup River--Sec. 24-22-20 W.							
8-9	0.8						
ANDERSON PUMP--A-3584, A-6277 Diverted from North Loup River--Sec. 17-15-10 W.							
7-7	2.1						
ANDREWS SUPPLY CANAL--A-2530 Diverted from Sow Belly Creek--Sec. 5-32-55 W.							
2-9	1.4	6-10	0.0	8-15	0.0	9-13	0.0
5-26	.0	6-27	.0				

MEASUREMENT OF CANALS--Continued Year Ending September 30, 1977							
Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
ARTERBURN PUMP--A-4628 Diverted from North Loup River--Sec. 15-15-10 W.							
7-6	5.3						
ASHER PUMP--A-9931 Diverted from Mud Creek--Sec. 34-13-15 W.							
7-7	0.7						
ATKINS-POLLY CANAL--D-342, D-344, A-897R Diverted from Lodgepole Creek--Sec. 30-15-55 W.							
10-14	0.0	6-10	1.2	8-4	0.0	9-15	0.0
4-29	.0	6-29	.6	8-19	.0	9-30	.0
5-31	1.6	7-15	.2	8-26	.6		
AUGUSTYN PUMP--A-7426 Diverted from North Loup River--Sec. 34-16-11 W.							
7-7	1.1						
BALLAGH PUMP--A-13545 Diverted from North Loup River--Sec. 19-21-16 W.							
7-19	1.6						
BALS PUMP--A-3368, A-6875 Diverted from Middle Loup River--Sec. 16-14-14 W.							
7-28	1.0						
BANDT PUMP--A-12576 Diverted from Spring Creek--Sec. 7-16-9 W.							
7-26	0.5						
BANKER PUMP--A-7473 Diverted from Mud Creek--Sec. 28-14-16 W.							
7-19	2.0						
BARBER CANAL--D-754, A-1111 Diverted from Clear Creek--Sec. 29-16-41 W.							
6-25	4.6	7-29	4.4				
BARNES PUMP--A-6585, A-6584 Diverted from North Loup River--Sec. 7-16-11 W.							
7-18	1.6						

MEASUREMENT OF CANALS--Continued Year Ending September 30, 1977							
Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
BARSTOW PUMP--A-3852 Diverted from Lodgepole Creek--Sec. 28-14-47 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
BATENHORST PUMP--A-2819 Diverted from Cedar River--Sec. 15-18-7 W.							
8- 4	3.8						
BAUER PUMP--A-5515 Diverted from South Loup River--Sec. 12-12-18 W.							
7-27	1.4						
BAUER PUMP--A-10973 Diverted from South Loup River--Sec. 12-12-18 W.							
7-19	3.3						
BEK PUMP--A-2496 Diverted from Lincoln Creek--Sec. 33-12-2 E.							
7- 6	1.2						
BENNETT CANAL--A-691, A-1975 Diverted from Lodgepole Creek--Sec. 22-15-55 W.							
4-29	0.0	6-29	0.0	8-19	0.0	9-15	0.0
5-31	2.3	7-15	.0	8-26	.0	9-30	.0
6-10	.0	8- 4	.0				
BICKEL-FADEN CANAL--D-347, A-219, A-724 Diverted from Lodgepole Creek--Sec. 30-15-55 W.							
10-14	0.0	6-10	0.0	8- 4	0.0	8-26	0.0
4-29	.0	6-29	.0	8-19	.0	9-15	.0
5-31	.0	7-15	.0				
BINDER PUMP--A-13181 Diverted from Big Nemaha River, North Fork--Sec. 17-3-12 E.							
8- 2	1.3						
BINDER PUMP--A-13182 Diverted from Big Nemaha River, North Fork--Sec. 31-4-12 E.							
8- 2	1.3						
BOOTH CANAL, NORTH and SOUTH--D-309, D-310 Diverted from Lodgepole Creek--Sec. 29-14-47 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						

MEASUREMENT OF CANALS--Continued Year Ending September 30, 1977							
Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
BORDWELL CANAL, NORTH--D-303 Diverted from Lodgepole Creek--Sec. 35-14-49 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
BRADY CANAL--D-352 Diverted from Lodgepole Creek--Sec. 28-15-24 W.							
6-10	0.0	8- 4	0.0	8-26	0.0	9-15	0.0
7-15	.0	8-19	.0				
BRASS PUMP--A-5007 Diverted from Middle Loup River--Sec. 7-19-18 W.							
7-28	0.7						
BRAUER PUMP--A-14009 Diverted from Lincoln Creek--Sec. 3-11-2 E.							
7-10	1.4						
BRAUKMULLER PUMP--A-4139 Diverted from Rock Creek--Sec. 34-12-8 E.							
7- 7	0.5						
BROWN PUMP--A-6689 Diverted from Loup River--Sec. 36-16-7 W.							
7-22	1.0						
BROWN PUMP--A-8986 Diverted from Cedar River--Sec. 24-17-7 W.							
7-20	2.8						
BROWN & STARK PUMP--A-1871 Diverted from Mud Creek--Sec. 1-12-15 W.							
7- 7	1.4						
BULLOCK CANAL--D-296 Diverted from Lodgepole Creek--Sec. 3-13-46 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
BULLOCK CANAL--A-437 Diverted from Lodgepole Creek--Sec. 4-13-46 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		BURHOOP PUMP--A-13557 Diverted from Lincoln Creek--Sec. 27-11-3 E.					
7- 2	1.0						
		BURTON PUMP--A-3785 Diverted from Wallace Creek--Sec. 9-17-12 W.					
7-19	2.3						
		BUSHNELL CANAL--A-504 Diverted from Lodgepole Creek--Sec. 2-14-58 W.					
5-31	0.0	9-15	0.0				
		CAPELLAN PUMP--A-2391 Diverted from Mud Creek--Sec. 33-14-16 W.					
7- 7	0.8						
		CAPELLAN PUMP--A-3883 Diverted from Mud Creek--Sec. 13-13-16 W.					
7- 1	1.2						
		CAPELLAN-STEGAL PUMP--A-7307 Diverted from Mud Creek--Sec. 34-14-16 W.					
7- 7	1.1	7-28	1.2				
		CAPRON CANAL--D-890 Diverted from Greenwood Creek--Sec. 15-38-50 W.					
5- 3	0.0	6-21	0.0	7-19	3.2	8-29	0.0
6- 2	.0						
		CARMAN PUMP--A-6359 Diverted from South Loup River--Sec. 17-12-17 W.					
7-15	1.8						
		CASPER PUMP--A-6487 Diverted from Cedar River--Sec. 36-18-7 W.					
8- 2	0.8						
		CHAMBERLIN PUMP--A-3200 Diverted from Mud Creek--Sec. 32-15-17 W.					
7-22	0.8						
		CHAMBERLIN PUMP--A-13657 Diverted from Mud Creek--Sec. 32-15-17 W.					
7-22	1.3	7-26	1.2				

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		CHANNER & BERRY PUMP--A-4411, A-8300 Diverted from Cedar River--Sec. 35-18-7 W.					
7-27	1.4						
		CHESLEY PUMP--A-2037 Diverted from South Loup River--Sec. 9-16-24 W.					
8- 2	0.5						
		CHRISTENSEN CANAL, NORTH--D-367 Diverted from Lodgepole Creek--Sec. 7-14-51 W.					
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
		CHURCH PUMP--A-3370 Diverted from Mud Creek--Sec. 27-13-15 W.					
7-28	1.2						
		CHITTENDEN PUMP--A-6740 Diverted from South Loup River--Sec. 35-18-26 W.					
7-26	1.7						
		CIRCLE ARROW CANAL--D-346 Diverted from Lodgepole Creek--Sec. 30-15-54 W.					
6-10	0.0	8- 4	0.0	8-26	0.0	9-15	0.0
7-15	.0	8-19	.0				
		CIRCLE PUMP--A-4758 Diverted from Niobrara River--Sec. 5-28-51 W.					
5-12	0.0	6-16	0.0	7-14	0.0	8-18	0.0
5-18	.0	6-23	.0	7-21	.0	8-25	.0
6- 1	.0	7- 1	.0	7-28	.0	9- 1	.0
6- 9	.0	7- 7	.0	8- 4	.0		
		CLEAR CREEK CANAL--D-748 Diverted from Clear Creek--Sec. 32-16-41 W.					
7-29	3.7						
		CLINGER PUMP--A-10635 Diverted from Mud Creek--Sec. 14-15-18 W.					
8- 8	2.2						

MEASUREMENT OF CANALS--Continued Year Ending September 30, 1977								MEASUREMENT OF CANALS--Continued Year Ending September 30, 1977							
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.		
COFFEE CANAL, EAST--D-512 Diverted from Hat Creek--Sec. 26-33-55 W.								CUNNINGHAM PUMP--A-7895 Diverted from Loup River--Sec. 35-16-7 W							
5-26	2.1	6-27	0.6	8- 3	0.0	8-31	0.0	7-22	3.3						
6-10	.0	7-20	.0	8-15	.0	9-13	.0	CUNNINGHAM PUMP--A-12185 Diverted from Cedar River--Sec. 3-16-6 W.							
COFFEE FLOOD CANAL--A-1236 Diverted from Hat Creek--Sec. 14-33-55 W.								CUNNINGHAM PUMP--A-13581 Diverted from Loup River--Sec. 2-15-7 W.							
5-26	1.6	7-20	0.0	8-15	0.0	9-13	0.0	7-19	4.1						
6-10	.0	7-27	.0	8-19	.0	9-27	.0	CUNNINGHAM PUMP--A-11731 Diverted from Dry Creek--Sec. 22-12-16 W.							
6-27	.0	8- 3	.0	8-31	.0										
COPE PUMP--A-11731 Diverted from Dry Creek--Sec. 22-12-16 W.								CURTIS PUMP--A-2992 Diverted from Big Blue River--Sec. 10-10-3 E.							
8-10	0.7							7- 8	1.6						
COX PUMP--A-12529 Diverted from Loup River--Sec. 13-15-8 W.								DAMME PUMP--A-8220 Diverted from Little Nemaha River--Sec. 20-7-12 E.							
7-28	1.5							7- 5	2.1						
CRIFFIELD PUMP--A-8777 Diverted from Mud Creek--Sec. 12-13-16 W.								DAVIS PUMP--A-6527, A-6941 Diverted from Cedar River--Sec. 9-18-7 W.							
7- 6	1.4							8- 4	2.0						
CRIFFIELD PUMP--A-10224 Diverted from Mud Creek--Sec. 12-13-16 W.								DAY PUMP--A-12841 Diverted from Lodgepole Creek--Sec. 32-15-57 W.							
7- 1	1.2							5-31	0.0	7-15	0.0	8-19	0.0	9-15	0.0
CROUSE PUMP--A-5182 Diverted from Cedar River--Sec. 24-17-7 W.								DELANEY PUMP--A-6158 Diverted from Loup River--Sec. 5-16-5 W.							
7-20	2.2							6-10	.0	8- 4	.0				
CROUSE PUMP--A-8681, A-8682, A-11743 Diverted from Cedar River--Sec. 30-17-6 W.								DICKY-BROWN CANAL--A-4750 Diverted from Pumpkin Creek--Sec. 29-29-52 W.							
7-20	2.5							7-18	4.4						
CROUSE & TOPINKA PUMP--A-7452 Diverted from Cedar River--Sec. 31-17-6 W.								DICKINSON CANAL--D-969 Diverted from Lodgepole Creek--Sec. 26-14-47 W.							
7-20	1.7							5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
CUCKLER PUMP--A-5517 Diverted from White River--Sec. 25-33-50 W.															
7-11	1.3							6- 2	.0	5- 4	0.0	6- 9	0.0	7-14	0.0
								5-27 .0							

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
DICKINSON CANAL--D-967 Diverted from Lodgepole Creek--Sec. 33-14-47 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
DOBSON-DOPSLAUF PUMP--A-2364, A-2702R, A-3752 Diverted from Cedar River--Sec. 23-19-8 W.							
7-27	7.4						
DOWNEY PUMP--A-13031 Diverted from South Loup River--Sec. 6-11-16 W.							
7-22	1.3						
DROZD PUMP--A-8418 Diverted from Loup River--Sec. 5-16-5 W.							
7- 1	0.9						
DUDLEY PUMP--A-5961 Diverted from Big Blue River--Sec. 20-9-4 E.							
6-30	1.0						
DUDLEY PUMP--A-11369 Diverted from Big Blue River--Sec. 20-9-4 E.							
6-30	0.9						
EHRMAN PUMP--A-3859 Diverted from Pumpkin Creek--Sec. 18-19-53 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
ENDER PUMP--A-13200 Diverted from North Loup River--Sec. 18-16-11 W.							
7-12	2.0	7-18	1.6				
EPLEY PUMP--A-6575 Diverted from Cedar River--Sec. 32-23-13 W.							
7- 5	0.5						
FERGUSON PUMP--D-345R, D-348R Diverted from Lodgepole Creek--Sec. 34-15-56 W.							
10-14	0.0	6-10	0.0	8- 4	0.0	9-15	0.0
4-29	.0	6-29	2.4	8-19	.0	9-30	.0
5-31	.0	7-15	2.4	8-26	.0		

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
FERGUSON PUMP--A-2520 Diverted from North Loup River--Sec. 27-17-12 W.							
7-18	4.6						
FERGUSON PUMP--A-2635 Diverted from North Loup River--Sec. 36-23-21 W.							
7-20	3.4	8- 9	2.4				
FINKE PUMP--A-6687 Diverted from South Loup River--Sec. 20-12-14 W.							
7- 1	1.8						
FORBES PUMP--A-4353 Diverted from Loup River--Sec. 15-15-8 W.							
7-14	4.0						
FORBES PUMP--A-11443 Diverted from Loup River--Sec. 36-16-7 W.							
7-15	3.0						
FORSLING-KINNEY CANAL--D-348, A-718 Diverted from Lodgepole Creek--Sec. 33-15-55 W.							
10-14	0.0	6-10	0.0	8- 4	0.0	9-15	0.0
4-29	.0	6-29	.0	8-19	.0	9-30	.0
5-31	.0	7-15	.0	8-26	.0		
FRANSSEN PUMP--A-1848 Diverted from Mud Creek--Sec. 13-14-17 W.							
7-22	1.1						
FRANSSEN PUMP--A-13722 Diverted from Mud Creek--Sec. 18-14-16 W.							
7-22	1.1						
FRENZEN PUMP--A-2240 Diverted from Cedar River--Sec. 30-17-6 W.							
8- 4	1.3	8- 4	2.0				
FRENZEN PUMP--A-3071 Diverted from Cedar River--Sec. 29-17-6 W.							
7- 7	2.1	8- 4	1.0				

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		FRIES PUMP--A-2139 Diverted from Middle Loup River--Sec. 28-12-12 W.					
7-28	1.0						
		FRITZ PUMP--A-10318 Diverted from Lincoln Creek--Sec. 32-12-2 E					
7- 2	0.9						
		FRYE PUMP--A-3696 Diverted from Mud Creek--Sec. 2-12-15 W.					
7- 6	1.2						
		FUSS PUMP--A-10391 Diverted from North Loup River--Sec. 16-17-12 W.					
7- 5	0.5						
		GADE PUMP--A-8494 Diverted from Lodgepole Creek--Sec. 31-14-47 W.					
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
		GEHLE PUMP--A-6064 Diverted from Lincoln Creek--Sec. 14-11-2 E.					
7- 1	1.8	7- 2	1.9	7- 6	2.0		
		GEORGE PUMP--A-10552 Diverted from South Loup River--Sec. 15-13-19 W.					
7-14	1.1						
		GIFFORD PUMP--A-10378 Diverted from Pumpkin Creek--Sec. 12-19-56 W.					
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
		GLASER PUMP--A-11954 Diverted from Cedar River--Sec. 1-20-11 W.					
8- 8	0.6						
		GLASS PUMP--A-10809 Diverted from North Loup River--Sec. 13-15-10 W.					
7-22	2.7	8- 4	2.4				

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		GOEHRING PUMP--A-2263R Diverted from North Loup River--Sec. 4-22-20 W.					
7-20	0.8						
		GOEHRING PUMP--A-2427 Diverted from North Loup River--Sec. 11-21-16 W.					
7-19	1.0						
		GOLDFISH PUMP--A-3769 Diverted from North Loup River--Sec. 16-17-12 W.					
7-22	1.9	7-25	1.5				
		GOLDFISH PUMP--A-3770 Diverted from Wallace Creek--Sec. 16-17-12 W.					
7-19	1.3						
		GROSSERODE PUMP--A-4121 Diverted from Big Blue River--Sec. 26-10-3 E.					
6-30	2.9						
		GUNDERSON CANAL--D-305 Diverted from Lodgepole Creek--Sec. 1-14-52 W.					
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
		HACKBART PUMP--A-7455 R. Diverted from Big Blue River--Sec. 22-10-3 E.					
7- 4	0.9	7-10	1.8				
		HADWIGER PUMP--A-9970 Diverted from Dry Creek--Sec. 30-12-15 W.					
7-20	1.3						
		HAGEMAN CANAL--A-2046 Diverted from White River--Sec. 26-33-50 W.					
7-11	0.0						
		HANNAH CANAL--D-886 Diverted from North Platte River--Sec. 24-18-47 W.					
4-27	0.0	5-31	0.2	7-26	0.0	8-30	0.0
5- 3	.0	6-14	.6	8- 2	.0	9- 6	.0
5-10	.0	6-21	.8	8- 9	.0	9-13	.0
5-17	.4	6-28	.4	8-16	.0	9-20	.0
5-24	.0	7- 5	.0	8-23	.0	9-27	.0

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		HANSEN PUMP--A-3032, A-10897, A-12753 Diverted from North Loup River--Sec. 22-17-12 W.					
7-19	2.0						
		HANSEN PUMP--A-9509 Diverted from Spring Creek--Sec. 32-16-9 W.					
7-28	0.7						
		HANSEN PUMP--A-12224 Diverted from Spring Creek--Sec. 32-16-9 W.					
7-28	0.9						
		HANSEN PUMP--A-13438, A-14228 Diverted from Middle Loup River--Sec. 12-19-19 W.					
7-28	1.4						
		HARNAGEL PUMP--A-5148 Diverted from South Loup River--Sec. 3-12-18 W.					
7-19	0.8						
		HARRIS-COOPER CANAL--D-464a, D-464b Diverted from White River--Sec. 26-32-52 W.					
7-11	7.5						
		HAT CREEK CANAL, WEST--D-533a, D-533b Diverted from Hat Creek--Sec. 16-32-55 W.					
4-27	1.0	5- 2	0.5	6-10	0.0	8-15	0.0
5- 2	1.1	5-26	1.1	6-27	.5	9-13	2.9
		HAVLAT PUMP--A-10728 Diverted from Big Blue River--Sec. 14-6-4 E.					
6-30	1.2						
		HEIK PUMP--A-10515 Diverted from Mud Creek--Sec. 29-14-16 W.					
7-21	0.9						
		HELBURG PUMP--A-12526 Diverted from South Loup River--Sec. 30-15-21 W.					
7-12	1.1						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		HELLBUSCH PUMP--A-4796 Diverted from Timber Creek--Sec. 21-17-7 W.					
7- 6	1.0						
		HELD PUMP--A-6633 Diverted from Cedar River--Sec. 12-16-6 W.					
8- 3	1.6						
		HELD and DRESSLER PUMP--A-11438R, A-11908, A-11988 Diverted from Loup River--Sec. 36-16-7 W.					
7-22	4.4						
		HERBIG PUMP--A-8917 Diverted from North Loup River--Sec. 17-12-11 W.					
7- 7	2.0	8- 3	1.7				
		HEERERN PUMP--A-14227 Diverted from North Loup River--Sec. 10-20-15 W.					
7-19	0.7						
		HEERTEN PUMP--A-11459 Diverted from Bean Creek--Sec. 10-20-15 W.					
7-19	1.3						
		HINDMAN PUMP--A-12152 Diverted from Loup River--Sec. 13-15-8 W.					
7-28	1.9						
		HOLT PUMP--A-11094 Diverted from North Loup River--Sec. 27-17-12 W.					
7-18	1.8						
		HOOVER CANAL--D-353 Diverted from Lodgepole Creek--Sec. 12-14-59 W.					
5-31	0.0	9-15	0.0				
		HOOVER PUMP--D-510R Diverted from Niobrara River--Sec. 19-31-57 W.					
5-10	0.0	6- 7	0.0	7-12	0.0	8-23	0.0
5-24	.0	6-14	.0	7-26	.0	8-30	.0
5-31	.0	6-28	.0	8- 2	.0		

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		HORN PUMP--A-6155 Diverted from South Loup River--Sec. 1-13-20 W.					
7-26	1.1						
		HORN PUMP--A-13606 Diverted from South Loup River--Sec. 34-14-20 W.					
7-26	1.3						
		HORN PUMP--A-13637 Diverted from South Loup River--Sec. 1-13-20 W.					
7-26	1.2	8- 3	1.3				
		HORN PUMP--A-14776 Diverted from South Loup River--Sec. 7-13-19 W.					
7-14	1.4						
		HORSE CREEK CANAL--D-159, D-173 Diverted from Horse Creek--Sec. 23-1-39 W.					
6-27	1.3	7-26	1.0				
		HURLEY-LILLY-POLLY CANAL--D-354 Diverted from Lodgepole Creek--Sec. 26-15-56 W.					
10-14	2.4	5-31	1.7	7-15	1.2	8-26	0.4
11- 2	2.6	6-10	1.6	8- 4	.8	9-15	.1
11-18	.0	6-29	.7	8-19	.9	9-30	.0
4-29	.0						
		INDEPENDENT CANAL--D-343 Diverted from Lodgepole Creek--Sec. 7-14-58 W.					
5-31	0.0	9-15	0.0				
		INGRAM PUMP--A-2790 Diverted from North Loup River--Sec. 2-16-12 W.					
7-22	1.6						
		JACOBSEN PUMP--A-5298, A-6280, A-10800 Diverted from North Loup River--Sec. 23-15-10 W.					
7- 6	3.0						
		JACOBSEN PUMP--A-7310, A-14639 Diverted from North Loup River--Sec. 35-17-12 W.					
7-18	3.9	7-18	3.2				

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		JENKINS CANAL--A-924 Diverted from Buffalo Creek--Sec. 18-1-40 W					
6- 7	0.9	7-19	1.1	8- 2	1.2		
		JENNING PUMP--A-11127 Diverted from Cedar River--Sec. 33-12-6 W.					
7- 7	0.9						
		JENSEN PUMP--A-2660, A-11673 Diverted from North Loup River--Sec. 1-16-12 W.					
7-18	1.6						
		JENSEN PUMP--A-10439 Diverted from Deer Creek--Sec. 17-13-12 W.					
7-29	0.7						
		JOHNSON CANAL--A-612 Diverted from Lodgepole Creek--Sec. 23-13-45 W.					
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
		JOHNSON PUMP--A-8315 Diverted from Lodgepole Creek--Sec. 2-14-52 W.					
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
		JOHNSON PUMP--A-12650 Diverted from Middle Loup River--Sec. 29-13-12 W.					
7-29	0.6						
		JOHNSON PUMP--A-13564 Diverted from South Loup River--Sec. 25-12-15 W					
7-21	0.6						
		JONES CANAL and PUMP--A-3392 Diverted from Lodgepole Creek--Sec. 36-14-49 W.					
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
		JONES PUMP--A-4986 Diverted from Mud Creek--Sec. 30-15-17 W.					
7-22	1.7						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
JORDAN CANAL--A-841 Diverted from Monroe Creek--Sec. 13-33-56 W.							
6-27	0.0						
JORDAN CANAL--A-2032 Diverted from Monroe Creek--Sec. 22-33-56 W.							
6-27	0.0	8-31	0.0				
JURZENSKI PUMP--A-4279 Diverted from North Loup River--Sec. 16-15-10 W.							
7-7	1.3	7-22	2.1	8-3	1.0		
KAELIN PUMP--A-6874 Diverted from Mud Creek--Sec. 33-14-16 W.							
7-28	0.8						
KAYTON PUMP--A-11784 Diverted from Cedar River--Sec. 32-17-6 W.							
7-19	3.2	7-19	1.4				
KELLER PUMP--A-14238, A-14391 Diverted from Munsen Creek--Sec. 5-15-11 W.							
7-18	1.1						
KILDAY PUMP--A-10239, A-13752 Diverted from Loup River--Sec. 12-15-8 W.							
7-14	4.6						
KIMBALL CANAL--A-897 Diverted from Lodgepole Creek and Oliver Reservoir Sec. 36-15-57 W.							
10-14	0.0	6-10	0.0	8-4	0.0	9-15	0.0
4-29	.0	6-29	.0	8-19	.0	9-30	.0
5-31	.0	7-15	.0	8-26	.0		
KIME CANAL--A-6813 Diverted from Betsy (Carver) Creek--Sec. 24-29-35 W.							
5-4	2.7	6-9	0.1				
KOHLS PUMP--A-3625, A-4016 Diverted from Mud Creek--Sec. 1-13-16 W.							
7-7	1.0						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
KOKES PUMP--A-9423 Diverted from North Loup River--Sec. 12-18-13 W.							
7-5	1.2						
KOXLEL PUMP--A-14011 Diverted from Cedar River--Sec. 7-16-5 W.							
8-4	1.2						
KRATOCHVIL PUMP--A-10915 Diverted from Big Blue River--Sec. 10-12-2 E.							
7-7	1.2						
KREMER PUMP--A-6051 Diverted from Big Blue River--Sec. 3-10-3 E.							
7-4	2.4						
KREMER PUMP--A-6995 Diverted from Big Blue River--Sec. 3-10-3 E.							
7-4	0.7	7-5	1.2	7-6	1.3		
KREMER PUMP--A-9052 Diverted from Big Blue River--Sec. 19-9-4 E.							
6-30	1.2	7-15	0.9				
KRICHAU PUMP--A-3552 Diverted from Mud Creek--Sec. 7-12-14 W.							
7-5	1.1	7-5	1.8				
KRIEWALD PUMP--A-10379 Diverted from North Loup River--Sec. 30-18-12 W.							
7-5	1.0						
KORUGH FARMS INC PUMP--A-2126, A-4487 Diverted from Oak Creek--Sec. 3-14-11 W.							
7-28	2.4						
KRUEGER CANAL NO. 1--D-986 Diverted from Lodgepole Creek--Sec. 29-14-48 W.							
5-4	0.0	5-18	0.0	7-14	0.0	8-16	0.0

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
KRUEGER CANAL NO. 2--D-324 Diverted from Lodgepole Creek--Sec. 32-14-48 W.							
5- 4	1.8	5-18	0.4	7-14	0.0	8-16	0.0
KRUEGER CANAL NO. 3--D-393 Diverted from Lodgepole Creek--Sec. 32-14-48 W.							
5- 4	0.0	5-18	0.0	7-14	0.0	8-16	0.0
KRUSCHWITZ PUMP--A-10811 Diverted from Calamus River--Sec. 9-21-16 W.							
7-20	1.5						
KUNKEL PUMP--A-6529 Diverted from South Loup River--Sec. 28-18-26 W.							
8- 2	0.2						
LAING CANAL--D-825 Diverted from Lawrence Fork Creek--Sec. 28-18-52 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
LAMMERS PUMP--A-9556 Diverted from South Loup River--Sec. 31-12-16 W.							
7-19	1.6	7-27	1.2				
LANGER PUMP--A-11278 Diverted from Cedar River--Sec. 2-19-9 W.							
7-27	0.8						
LANGWORTHY PUMP--A-13557 Diverted from Big Blue River--Sec. 33-11-3 E.							
7- 1	1.6						
LETH PUMP--A-12843 Diverted from Turkey Creek--Sec. 21-14-10 W.							
7-28	0.8						
LIBBY CANAL--D-312 Diverted from Lodgepole Creek--Sec. 36-14-47 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
LISCO CANAL--D-796 Diverted from Cold Water Creek--Sec. 26-18-46 W.							
10- 5	3.7	6- 7	0.9	7-19	3.6	8-30	3.5
10-12	.0	6-21	3.9	8- 2	3.5	9- 6	4.0
5- 3	.7	6-28	3.7	8- 9	3.6	9-13	3.9
5-10	.8	7- 5	3.5	8-16	4.0	9-20	4.0
5-24	1.0	7-12	3.0	8-23	3.5	9-27	3.9
LISCO CANAL--D-796 Sec. 27-18-43 W.							
6-30	8.0	7- 7	17.9	7-19	17.6	8- 2	16.0
7- 1	7.6	7- 8	22.4	7-26	13.7	8- 9	24.2
7- 5	18.0	7-15	17.4				
LOGAN LOWER CANAL--D-902 Diverted from Pumpkin Creek--Sec. 7-19-55 W.							
5- 3	2.2	6-21	0.4	7-19	0.2	8-29	0.0
6- 2	.4						
LUTHER PUMP--A-5106 Diverted from Mud Creek--Sec. 25-15-18 W.							
7-22	1.7						
McAULIFFE CANAL--D-814 Diverted from Lodgepole Creek--Sec. 21-13-45 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
McDOWNEY PUMP--A-14730 Diverted from South Loup River--Sec. 1-13-20 W.							
7-14	0.5						
McGOWEN PUMP--A-11587 Diverted from Cedar River--Sec. 24-10-10 W.							
7-27	1.0						
McGRAW PUMP--D-213, A-1845, A-1945 Diverted from Victoria Creek--Sec. 1-19-21 W.							
7-28	2.4						
McHATTON CANAL--A-3560 Diverted from Lodgepole Creek--Sec. 7-13-45 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
MCHARGUE PUMP--A-4854 Diverted from Prairie Creek--Sec. 18-15-5 W.							
7- 7	1.3						
McINTOSH CANAL--D-351, A-734 Diverted from Lodgepole Creek--Sec. 23-15-55 W.							
6-10	0.0	8- 4	1.8	8-26	0.0	9-30	0.0
7-15	.5	8-19	.0	9-15	.0		
McINTYRE PUMP--A-14401 Diverted from Spring Creek--Sec. 19-17-9 W.							
7-25	1.6						
McINTYRE PUMP--A-13563 Diverted from Spring Creek--Sec. 12-12-10 W.							
7-26	0.6						
McKEON PUMP--A-3895 Diverted from Mud Creek--Sec. 3-12-15 W.							
7- 1	1.2	7-25	1.0				
McKEON PUMP--A-9762 Diverted from Mud Creek--Sec. 3-12-15 W.							
7-25	0.9						
McLAUGHLIN CANAL--D-966 Diverted from Lodgepole Creek--Sec. 25-14-48 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
MADSEN PUMP--A-3115 Diverted from Mud Creek--Sec. 28-14-16 W.							
7- 7	0.7						
MALANDER PUMP--A-14904 Diverted from Cedar River--Sec. 29-17-6 W.							
8- 4	1.1						
MANSFIELD PUMP--A-8868 Diverted from Cedar River--Sec. 13-17-7 W.							
7-20	2.5						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
MATHIAS PUMP--A-10882 Diverted from Big Indian Creek--Sec. 25-2-6 E.							
7-26	0.9						
MAUPIN PUMP--A-6289 Diverted from South Loup River--Sec. 27-14-20 W.							
7-26	1.2						
MEAD PUMP--A-698, A-699, A-1133, A-1380, A-1508 Diverted from Pumpkin Creek--Sec. 1 & 2-19-55 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
MEGLEMERE CANAL--A-294, A-853 Diverted from Greenwood Creek--Sec. 3-18-50 W.							
5- 3	0.0	6-21	3.9	7-19	0.7	8-29	1.1
6- 2	.0						
MEYERS PUMP--A-3240 Diverted from Republican River--Sec. 35-1-7 E.							
8- 3	5.0						
MEINBERG PUMP--A-4630 Diverted from Big Blue River--Sec. 7-11-3 E.							
7- 6	0.2						
MEINTZ PUMP--A-8335 Diverted from Big Indian Creek--Sec. 30-2-7 E.							
7-26	2.1						
MILLER PUMP--A-14634 Diverted from Big Nemaha River, North Fork--Sec. 32-5-11 E.							
8- 2	0.9						
MISEGADIS PUMP--A-9073 Diverted from Lodgepole Creek--Sec. 36-14-48 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
MITCHELL & TORRENCE PUMP--A-7300, A-14528 Diverted from Calamus River--Sec. 10-21-16 W.							
7-19	1.2						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
MONROE CANAL--D-506 Diverted from Monroe Creek--Sec. 33-33-56 W.							
6-27	0.6	8-15	0.4	8-31	0.0	9-13	0.01
7-20	.5						
MONTGOMERY CANAL--D-559 Diverted from Sow Belly Creek--Sec. 21-33-55 W.							
8-31	0.0	9-13	0.0				
MORTENSEN PUMP--A-8388 Diverted from Mud Creek--Sec. 34-13-15 W.							
7-25	1.1	7-28	1.1				
MUTUAL CANAL--D-843, A-4738 Diverted from Pumpkin Creek--Sec. 33-19-52 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
MYERS CANAL--D-210, D-212, A-1843 Diverted from Victoria Creek--Sec. 1-19-21 W.							
7-28	2.3						
MYERS PUMP--A-14918 Diverted from South Loup River--Sec. 21-14-20 W.							
8- 3	1.3						
NASLUND CANAL--A-661 Diverted from Lodgepole Creek--Sec. 1-12-45 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
NEBRASKA GAME COMMISSION PUMP--A-9277 Diverted from South Loup River--Sec. 15-14-21 W.							
8- 3	0.5						
NELSON CANAL--D-845 Diverted from Greenwood Creek--Sec. 33-18-52 W.							
5- 3	0.0	6-21	4.7	7-19	4.2	8-29	0.0
6- 2	.0						
NELSON PUMP--A-2501 Diverted from Messenger Creek--Sec. 26-19-13 W.							
7-19	2.2						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
NELSON PUMP--A-4890 Diverted from North Loup River--Sec. 14-15-10 W.							
7- 6	1.7	8- 1	0.7				
NELSON PUMP--A-13198 Diverted from Cedar River--Sec. 19-17-6 W.							
7- 6	1.0						
NEUMAN CANAL--A-611, A-1445 Diverted from Lodgepole Creek--Sec. 26-13-45 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
NEUMAN CANAL--A-565 Diverted from Lodgepole Creek--Sec. 36-13-45 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
NIEHUS CANAL--A-550 Diverted from Lawrence Fork Creek--Sec. 11-18-52 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
NIELSEN CANAL and PUMP--A-6811 Diverted from Pumpkin Creek--Sec. 30-19-52 W.							
5- 3	2.0	6-21	0.0	6-19	0.0	8-29	0.0
6- 2	2.0						
NORE PUMP--A-11024, A-11434 Diverted from Cedar River--Sec. 19-17-6 W.							
7-21	1.3						
NORTH PLATTE TERMINAL SPILL Into North Platte River--Sec. 25-14-31 W.							
10- 5	0.0	6-28	0.0	7-28	0.0	8-18	0.0
5-20	.0	7-15	.0	8- 4	.0	8-30	1.8
5-27	.0	7-21	0.1	8-11	0.0	9-29	.0
6-21	8.5						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
NORTH PLATTE CANAL SPILL Into Lincoln County Drain #1--Sec. 26-14-31 W.							
10- 5	0.0	6-21	0.0	7-28	0.0	8-18	0.0
5-20	.0	6-28	.0	8- 4	.0	8-30	.0
5-27	.0	7-15	.0	8-11	.0	9-29	.0
6-10	.0	7-21	.0				
NORTH PLATTE CANAL SPILL Into Lincoln County Drain #1--Sec. 24-14-31 W.							
10- 5	0.0	6-21	6.3	7-28	19.4	8-18	21.6
5-20	4.0	6-28	.1	8- 4	13.1	8-30	23.1
5-27	15.0	7-15	22.7	8-11	17.9	9-29	5.3
6-10	.0	7-21	12.1				
NOVOTNY PUMP--A-5476, A-6396 Diverted from North Loup River--Sec. 34-16-11 W.							
7- 7	1.8						
OASIS CANAL--D-567 Diverted from Kilpatrick Dam--Sec. 6-24-51 W.							
8-23	0.0						
OBERFELDER CANAL--D-306 Diverted from Lodgepole Creek--Sec. 32-14-46 W.							
5- 4	0.4	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.1						
OLSEN PUMP--A-11439 Diverted from Pumpkin Creek--Sec. 23-19-53 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
OLSEN PUMP--A-6993 Diverted from Cedar River--Sec. 24-17-7 W.							
7-20	3.1						
OLSON PUMP--A-4152 Diverted from Big Blue River--Sec. 22-10-3 E.							
7-10	1.5						
OLSON PUMP--A-6246 Diverted from Big Blue River--Sec. 23-10-3 E.							
7-10	1.1						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
OSENTOWSKI PUMP--A-10222, A-11470 Diverted from North Loup River--Sec. 36-19-13 W.							
8- 1	1.5						
OWASCO CANAL--D-347, A-725 Diverted from Lodgepole Creek--Sec. 29-15-55 W.							
10-14	2.6	5-31	1.9	7-15	0.5	8-26	0.2
11- 2	.0	6-10	1.9	8- 4	.9	9-15	.0
4-29	.0	6-29	.8	8-19	.0	9-30	.0
PARKS CANAL--A-1202, A-1444, A-1555 Diverted from Republican River--Sec. 20-1-39 W.							
5-24	6.2	9-20	7.3				
PARTISH PUMP--A-11210 Diverted from Cedar River--Sec. 1-19-9 W.							
7-27	0.9						
PAYNE PUMP--A-2178, A-2808 Diverted from North Loup River--Sec. 16-15-10 W.							
7- 7	1.1						
PAYNE PUMP--A-2178R, A-6978 Diverted from North Loup River--Sec. 15-15-10 W.							
7- 7	1.2						
PAYNE PUMP--A-10755 Diverted from North Loup River--Sec. 16-15-10 W.							
7- 7	1.3						
PEDERSEN PUMP--A-9883 Diverted from Middle Loup River--Sec. 29-13-12 W.							
7-29	2.7						
PEDERSEN & ARNOLD PUMP--A-14565, A-14895 Diverted from Loup River--Sec. 3-15-7 W.							
7-15	2.6						
PENAS PUMP--A-3783 Diverted from North Loup River--Sec. 19-21-16 W.							
7-19	1.7						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
PENNY PUMP--A-10420 Diverted from North Loup River--Sec. 22-17-12 W.							
7- 5	1.5						
PERSINGER CANAL--D-297 Diverted from Lodgepole Creek--Sec. 33-14-46 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
PETERS CANAL--D-913 Diverted from Pumpkin Creek--Sec. 2-19-56 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
PETERS PUMP--A-14152 Diverted from Big Nemaha River, North Fork--Sec. 29-5-11 E.							
8- 2	3.1						
PETERSON PUMP--A-12002 Diverted from Big Blue River--Sec. 10-10-3 E.							
7- 4	1.7	7-10	2.2				
PLATT PUMP--A-12931 Diverted from Lodgepole Creek--Sec. 31-15-57 W.							
5-31	0.0	7-15	0.5	8-19	0.0	9-15	0.0
6-10	.0	8- 4	.8				
POPP PUMP--A-3881 Diverted from Deer Creek--Sec. 8-13-19 W.							
7-14	1.5						
POSS PUMP--A-10035 Diverted from North Loup River--Sec. 18-15-10 W.							
7- 7	0.9						
POSS PUMP--A-13353 Diverted from North Loup River--Sec. 18-15-10 W.							
7- 7	0.3	7-22	0.5				
PREMIER CANAL--D-340 Diverted from Lodgepole Creek--Sec. 3-14-58 W.							
5-31	0.0	9-15	0.0				

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
PRITCHAN PUMP--A-13283 Diverted from Middle Loup River--Sec. 26-13-13 W.							
7-29	0.4						
QUAIL PUMP--A-14817 Diverted from Mud Creek--Sec. 28-13-15 W.							
7-25	1.7						
QUEST PUMP--A-2143 Diverted from South Loup River--Sec. 33-13-12 W.							
7-21	1.9						
QUINN CANAL--A-1516 Diverted from Pumpkin Creek--Sec. 20-19-51 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
RANDALL CANAL--A-1100 Diverted from Lawrence Fork Creek--Sec. 21-18-52 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
RASHER-FORBES CANAL--A-1128 Diverted from White River--Sec. 19-23-51 W.							
7-11	0.0						
RASMUSSEN PUMP--A-8330, A-10824 Diverted from Mud Creek--Sec. 29-13-15 W.							
7-20	0.6						
REED PUMP--A-13750 Diverted from Calamus River--Sec. 32-23-17 W.							
7-19	1.2						
REYNOLDS PUMP--A-10580 Diverted from Mud Creek--Sec. 24-14-16 W.							
7- 7	1.8						
REYNOLDS PUMP--A-2992 Diverted from Big Blue River--Sec. 10-10-3 E.							
7- 4	1.4	7- 7	1.6				

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
RIESSLAND PUMP--A-7788 Diverted from South Loup River--Sec. 25-12-17 W.							
7-19	0.7	7-29	0.9				
ROBINSON PUMP--A-3686 Diverted from Cedar River--Sec. 35-18-7 W.							
8- 4	0.7						
RODGERS CANAL--A-3777, A-3863 Diverted from Pumpkin Creek--Sec. 9-19-54 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
RUNGE CANAL NO. 1--D-339 Diverted from Lodgepole Creek--Sec. 20-14-50 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
RUSSELL PUMP--A-6997 Diverted from Loup River--Sec. 22-16-6 W.							
7-15	2.5						
RUSSELL PUMP--A-10056, A-12825 Diverted from Loup River--Sec. 3-15-7 W.							
7-22	2.7						
RUSSELL PUMP--A-11128 Diverted from Loup River--Sec. 36-16-7 W.							
7-15	2.4						
RUSSELL PUMP--A-12114 Diverted from Loup River--Sec. 8-15-8 W.							
7-15	1.7						
RUSSELL PUMP--A-13679, A-14504, A-14966 Diverted from Loup River--Sec. 4-15-7 W.							
7-15	3.5						
RUTTNER CANAL--D-336, A-1645 Diverted from Lodgepole Creek--Sec. 31-14-47 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.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.
RUTTNER CANAL--A-906 Diverted from Lodgepole Creek--Sec. 30-14-47 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
RUTTNER-KINNEY CANAL--D-345, D-350, A-718R, A-1828 Diverted from Lodgepole Creek--Sec. 31-15-56 W.							
10-14	0.0	6-10	0.0	8- 4	0.0	9-15	0.0
4-29	.0	6-29	.0	8-19	.0	9-30	.0
5-31	.0	7-15	.0	8-26	.0		
RUTTNER PUMP, NEW--A-857R Diverted from Lodgepole Creek--Sec. 33-15-56 W.							
10-14	0.0	6-10	0.0	8- 4	0.0	9-15	0.0
4-29	.0	6-29	1.7	8-19	.0	9-30	.0
5-31	1.3	7-15	1.5	8-26	.0		
SAMPLE PUMP--A-10123 Diverted from Cedar River--Sec. 12-17-7 W.							
7-20	1.8						
SAMUELSON PUMP--A-5194 Diverted from North Loup River--Sec. 14-15-10 W.							
8- 3	1.6						
SAUNDERS PUMP--A-2973 Diverted from Mud Creek--Sec. 1-13-16 W.							
7-28	1.1						
SCHERZBERG PUMP--A-11374 Diverted from Calamus River--Sec. 9-22-17 W.							
7-19	1.1						
SCHMITT PUMP--A-4809 Diverted from Big Blue river--Sec. 34-13-2 E.							
7- 7	0.7						
SCHNELL CANAL--A-3588 Diverted from Pumpkin Creek--Sec. 1-19-56 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		SNYDER PUMP--A-12189 Diverted from Cedar River--Sec. 10-16-6 W.					
7-15	0.7						
		SNYDER & BANKS PUMP--A-14272 Diverted from Calamus River--Sec. 5-22-17 W.					
7-19	1.2						
		SODERQUIST CANAL--A-1237R Diverted from Lodgepole Creek--Sec. 2-12-45 W.					
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
		SONDERUP PUMP--A-5906, A-9686, A-11130, A-14800 Diverted from Loup River--Sec. 3-16-5 W.					
8-10	8.2						
		SONDERUP PUMP--A-10368 Diverted from Loup River--Sec. 4-16-5 W.					
7-18	1.3						
		SONDERUP PUMP--A-11893 Diverted from Cedar River--Sec. 7-16-5 W.					
8- 3	2.2						
		SOW BELLY CANAL, OLD--D-533 Diverted from Sow Belly Creek--Sec. 7-32-55 W.					
5-26	1.2	6-27	0.0	8-15	0.6	9-13	0.0
6-10	.0						
		SPILNEK PUMP--A-7902 Diverted from North Loup River--Sec. 13-15-11 W.					
8- 3	1.9						
		SPRAGUE PUMP--A-5528 Diverted from Cedar River--Sec. 29-17-6 W.					
7-19	2.4						
		SPRING BRANCH CANAL--D-862, D-893, A-699 Diverted from Lawrence Fork Creek--Sec. 11-18-52 W.					
5- 3	2.0	6- 2	1.5	7-19	0.0	8-29	0.0
5-11	2.2	6-21	.6				

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
		STARK PUMP--A-4682 Diverted from Mud Creek--Sec. 28-13-15 W.					
7-21	1.1						
		STEWART-BROWN CANAL--A-743, A-1072 Diverted from Wet Spottedtail Creek--Sec. 26-24-56 W.					
5-27	0.0	7- 8	3.8				
		STICKNEY PUMP--D-236R Diverted from South Loup River--Sec. 19-12-14 W.					
7- 1	1.0	7-20	1.0				
		STERN PUMP--A-8729 Diverted from Cedar River--Sec. 33-17-6 W.					
7-19	2.7	7-19	2.5				
		STEWART PUMP--A-2107 Diverted from Elm Creek--Sec. 25-19-14 W.					
7-19	1.6						
		STRATTON PUMP--A-13052 Diverted from Owl Creek--Sec. 16-22-57 W.					
4-28	0.0	6-10	0.7	8- 4	0.0	9- 1	0.9
5- 6	.0	7- 7	.0	8-11	.0	9- 8	1.0
5-23	.0	7-14	.0	8-17	.8	9-14	.7
5-27	.0	7-21	.0	8-24	.6	9-27	.6
6- 3	.0	7-28	.0				
		SUDMAN CANAL and PUMP--A-1483R Diverted from Lodgepole Creek--Sec. 22-13-45 W.					
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
		SUMOVICH PUMP--A-9956 Diverted from North Loup River--Sec. 3-15-11 W.					
7-22	2.1						
		SUNTUCH PUMP--A-13926 Diverted from South Loup River--Sec. 6-12-12 W.					
7-21	1.1						
		SVOBODA PUMP--A-11661 Diverted from Middle Loup River--Sec. 24-15-10 W.					
7- 6	1.7						

MEASUREMENT OF CANALS--Continued
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Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
			SWANSON PUMP--A-4208 Diverted from Cedar River--Sec. 19-17-6 W.				
7-20	0.7						
			SWENSEN PUMP--A-2271 Diverted from Ash Creek--Sec. 7-14-20 W.				
7-20	0.5						
			SYSLO PUMP--A-13662 Diverted from Cedar River--Sec. 7-16-5 W.				
8- 3	1.4						
			TALBOT PUMP--A-3210 Diverted from Mud Creek--Sec. 17-16-17 W.				
7-19	1.2						
			TENOPIR PUMP--A-2759 Diverted from Big Blue River--Sec. 15-10-3 E.				
7- 5	0.7	7- 8	0.9				
			TIBBETTS PUMP--A-5623 Diverted from Loup River--Sec. 16-15-8 W.				
7- 4	1.6						
			TIBBETTS PUMP--A-13591 Diverted from Loup River--Sec. 7-15-7 W.				
7-22	3.5						
			TILLSON PUMP--D-236R Diverted from South Loup River--Sec. 27-12-15 W.				
7-27	1.5						
			THOMAS PUMP--A-5388 Diverted from South Loup River--Sec. 23-22-15 W.				
7-15	2.0						
			THOMAS PUMP--A-3682, A-4058, A-13939 Diverted from Cedar River--Sec. 36-18-7 W.				
7-21	1.7						
			TOBIN CANAL--D-330 Diverted from Lodgepole Creek--Sec. 28-14-47 W				
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
			TOMLINSON PUMP--A-6478 Diverted from Cedar River--Sec. 26-18-7 W.				
8- 2	1.4						
			TOPINKA PUMP--A-2979 Diverted from Cedar River--Sec. 31-17-6 W.				
7-19	1.0						
			TOPINKA PUMP--A-6998, A-8456 Diverted from Cedar River--Sec. 31-17-6 W.				
7-19	1.5						
			TRACY CANAL--A-870 Diverted from Lodgepole Creek--Sec. 12-14-59 W.				
5-31	0.0	9-15	0.0				
			TRAILS END CANAL and NORTH TRAILS END CANAL--A-3453, A-4749 Diverted from Pumpkin Creek--Sec. 29-19-52 W.				
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
			TRINNIER CANAL--D-849, A-1551 Diverted from Greenwood Creek--Sec. 28-18-50 W.				
5- 3	0.0	6-21	2.5	7-19	2.7	8-29	0.0
6- 2	.0						
			TWIESTMEYER PUMP--A-10009 Diverted from Cedar River--Sec. 25-17-7 W.				
7-20	1.6						
			UZENDOSKI PUMP--A-9053 Diverted from Loup River--Sec. 31-16-6 W.				
7-21	2.5						
			VACIK PUMP--A-7814 Diverted from Lodgepole Creek--Sec. 25-14-48 W.				
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-18	.0						
			VAN DIEST PUMP--A-2263R Diverted from North Loup River--Sec. 32-23-20 W.				
7-20	0.7						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
			VAUGHN PUMP--A-3227				
			Diverted from Loup River--Sec. 6-15-6 W				
7-14	2.1						
			VECH PUMP--A-10807				
			Diverted from Cedar River--Sec. 22-21-12 W.				
7- 5	1.7						
			WAGNER PUMP--A-3767				
			Diverted from Spring Creek--Sec. 18-16-7 W.				
7-26	0.6						
			WAGNER PUMP--A-13352				
			Diverted from Mud Creek--Sec. 35-15-17 W.				
7-13	1.2						
			WAKE PUMP--A-2467R				
			Diverted from North Loup River--Sec. 26-21-18 W.				
6-10	1.1						
			WAKE PUMP--A-11634				
			Diverted from North Loup River--Sec. 29-21-17 W.				
7-20	1.7						
			WAKE PUMP--A-12397				
			Diverted from North Loup River--Sec. 25-21-18 W.				
7-20	1.7						
			WARBONNET CANAL--D-548				
			Diverted from Warbonnet Creek--Sec. 21-33-56 W.				
7-20	0.0	8-15	1.3	8-31	0.0		
			WARBONNET CANAL NO. 2--A-892				
			Diverted from Warbonnet Creek--Sec. 20-33-56 W.				
6-27	1.7	9-13	0.0				
			WASSERBURGER PUMP--A-3291				
			Diverted from Hat Creek--Sec. 24-34-55 W.				
8-31	0.0						
			WEARIN CANAL--A-1864				
			Diverted from Lodgepole Creek--Sec. 8-14-58 W.				
5-31	0.0	9-15	0.0				

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
			WEAVER PUMP--A-4618				
			Diverted from South Loup River--Sec. 30-15-21 W.				
7-26	0.7						
			WELLS PUMP--A-5451				
			Diverted from North Loup River--Sec. 20-16-11 W.				
7-18	1.8						
			WELLS PUMP--A-4061, A-14871				
			Diverted from North Loup River--Sec. 20-16-11 W.				
7- 7	2.1	7-18	2.0				
			WETOVICK PUMP--A-12474				
			Diverted from Plum Creek--Sec. 19-17-5 W.				
8- 3	1.2						
			WHITE RIVER CANAL--D-447				
			Diverted from White River--Sec. 34-32-52 W.				
7- 5	4.3						
			WHITNEY PIPE LINE--A-1625				
			Diverted from White River--Sec. 26-32-52 W.				
11-22-	17.2	2-22	25.7	7-11	0.0		
			WIEMAN PUMP--A-13513				
			Diverted from Lincoln Creek--Sec. 28-12-1 E.				
7- 5	0.7						
			WILDS CANAL--A-904				
			Diverted from Lodgepole Creek--Sec. 11-13-46 W.				
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
			WILSON PUMP--A-9322				
			Diverted from North Loup River--Sec. 29-21-15 W.				
7-19	1.0						
			WILSON PUMP--A-14225				
			Diverted from North Loup River--Sec. 34-16-11 W.				
7-18	0.8						
			WILSON PUMP--A-14224				
			Diverted from North Loup River--Sec. 33-16-11 W.				
7-18	1.0						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
WHITED PUMP--A-11816 Diverted from Cedar River--Sec. 2-16-6 W.							
8- 4	3.7						
WHITNEY & LESIAK PUMP--A-8492, A-12994 Diverted from Loup River--Sec. 31-15-14 W.							
7-28	2.5						
WOLF CANAL--D-813 Diverted from Lodgepole Creek--Sec. 18-13-45 W.							
5- 4	0.0	6- 9	0.0	7-14	0.0	8-16	0.0
5-27	.0						
WONDERCHECK PUMP--A-13416 Diverted from Cedar River--Sec. 11-16-6 W.							
8- 4	3.4						
WONDERCHECK PUMP--A-13930 Diverted from Cedar River--Sec. 11-16-6 W.							
8- 3	1.7						
WOOD PUMP--A-8753 Diverted from South Loup River--Sec. 7-13-19 W.							
7-14	2.5						
WRIGHT CANAL--A-3864 Diverted from Pumpkin Creek--Sec. 5-19-54 W.							
5- 3	0.0	6-21	0.0	7-19	0.0	8-29	0.0
6- 2	.0						
YANDA PUMP--A-1920 Diverted from Mud Creek--Sec. 8-12-14 W.							
7-18	1.1						
YANDA PUMP--A-3205 Diverted from Mud Vreek--Sec. 7-12-14 W.							
8- 8	0.6						
YANDA PUMP--A-9371 Diverted from Mud Creek--Sec. 7-12-14 W.							
7-18	1.6						

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

Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.	Date	Diversion Sec.-ft.
ZEIGLER & HIATT PUMP--A-2091 Diverted from North Loup River--Sec. 28-21-17 W.							
7-19	1.0						
ZIEMBA PUMP--A-8689 Diverted from Loup River--Sec. 1-16-5 W.							
7-15	2.2						
ZIMMER PUMP--A-15043 Diverted from Loup River--Sec. 35-16-7 W.							
7-15	0.7						
ZIMMERMAN CANAL--A-532, A-4790 Diverted from Sow Belly Creek--Sec. 34-33-55 W.							
11-24	0.0	6-27	1.2	8-15	0.6	8-31	0.0
5-26	.0	7-27	.0	8-19	.0	9-13	.0
6-10	.0						
ZUROSKE PUMP--A-10759 Diverted from Loup River--Sec. 31-16-6 W.							
7-21	2.7						
ZYWEIC PUMP--A-12208, A-12209 Diverted from Cedar River--Sec. 21-17-6 W.							
7-20	1.2						

MISCELLANEOUS DATA

1977

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

	Normal		1977	
	Monthly	Accumulative	Monthly	Accumulative
*MITCHELL STATION, SCOTTSBLUFF COUNTY--ELEVATION 4080				
October	0.79	0.79	0.47	0.47
November	0.33	1.12	0.16	0.63
December	0.29	1.41	0.05	0.68
January	0.25	1.66	0.19	0.87
February	0.24	1.90	0.02	0.89
March	0.56	2.46	1.01	1.90
April	1.31	3.77	2.16	4.06
May	2.63	6.40	2.29	6.35
June	3.41	9.81	5.26	11.61
July	1.56	11.37	1.44	13.05
August	1.16	12.53	0.82	13.87
September	1.07	13.60	0.56	14.43
*64-year record				
*BRIDGEPORT STATION, MORRILL COUNTY--ELEVATION 3666				
October	0.83	0.83	0.41	0.41
November	0.38	1.21	0.11	0.52
December	0.34	1.55	0.06	0.58
January	0.35	1.90	0.32	0.90
February	0.29	2.19	T	0.90
March	0.72	2.91	0.86	1.76
April	1.42	4.33	2.59	4.35
May	3.10	7.43	1.86	6.21
June	3.67	11.10	1.75	7.96
July	2.40	13.50	1.73	9.69
August	1.38	14.88	2.29	11.98
September	1.42	16.30	0.41	12.39
*79-year record				
*OSHKOSH STATION, GARDEN COUNTY--ELEVATION 3393				
October	0.99	0.99	0.52	0.52
November	0.57	1.56	0.04	0.56
December	0.35	1.91	0.06	0.62
January	0.35	2.26	0.16	0.78
February	0.38	2.64	0.06	0.84
March	0.83	3.47	1.52	2.36
April	1.66	5.13	4.05	6.41
May	3.16	8.29	2.38	8.79
June	3.27	11.56	2.55	11.34
July	2.64	14.20	No record	
August	2.03	16.23	1.60	
September	1.50	17.73	1.24	
*64-year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1977	
	Monthly	Accumulative	Monthly	Accumulative
*NORTH PLATTE STATION, LINCOLN COUNTY--ELEVATION 2775				
October	0.99	0.99	1.18	1.18
November	0.52	1.51	0.08	1.26
December	0.41	1.92	0.01	1.27
January	0.45	2.37	0.18	1.45
February	0.52	2.89	0.27	1.72
March	0.99	3.88	2.89	4.61
April	1.93	5.81	4.85	9.46
May	3.26	9.07	5.90	15.36
June	3.77	12.84	1.31	16.67
July	2.98	15.82	4.41	21.08
August	2.07	17.89	1.79	22.87
September	2.01	19.90	1.48	24.35
*37-year record				
*GOTHENBURG STATION, DAWSON COUNTY--ELEVATION 2565				
October	1.16	1.16	0.82	0.82
November	0.54	1.70	0.15	0.97
December	0.45	2.15	0.06	1.03
January	0.45	2.60	0.27	1.30
February	0.54	3.14	0.20	1.50
March	1.15	4.29	3.61	5.11
April	2.03	6.32	5.61	10.72
May	3.25	9.57	8.40	19.12
June	4.43	14.00	1.01	20.13
July	2.82	16.82	1.56	21.69
August	2.53	19.35	4.13	25.82
September	2.08	21.43	0.87	26.69
*82-year record				
*GRAND ISLAND STATION, HALL COUNTY--ELEVATION 1841				
October	1.08	1.08	0.07	0.07
November	0.61	1.69	0.12	0.19
December	0.56	2.25	0.04	0.23
January	0.52	2.77	0.42	0.65
February	0.76	3.53	0.18	0.83
March	1.18	4.71	3.30	4.13
April	2.47	7.18	4.89	9.02
May	3.78	10.96	6.85	15.87
June	4.40	15.36	1.37	17.24
July	3.00	18.36	1.73	18.97
August	2.54	20.90	8.73	27.70
September	2.51	23.41	7.77	35.47
*85-year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1977	
	Monthly	Accumulative	Monthly	Accumulative
*SIDNEY STATION, CHEYENNE COUNTY--ELEVATION 4320				
October	1.03	1.03	0.15	0.15
November	0.49	1.52	0.12	0.27
December	0.39	1.91	T	0.27
January	0.30	2.21	0.15	0.42
February	0.32	2.53	0.03	0.45
March	0.88	3.41	1.00	1.45
April	1.64	5.05	4.28	5.73
May	3.27	8.32	2.18	7.91
June	3.56	11.88	2.82	10.73
July	2.53	14.41	2.80	13.53
August	1.79	16.20	2.38	15.91
September	1.35	17.55	No report	
*49-year record				

*ORD STATION, VALLEY COUNTY--ELEVATION 2070

October	1.41	1.41	0.20	0.20
November	0.63	2.04	0.12	0.32
December	0.65	2.69	0.13	0.45
January	0.62	3.31	No report	
February	0.86	4.17	"	"
March	1.40	5.57	"	"
April	2.25	7.82	"	"
May	3.39	11.21	"	"
June	4.33	15.54	"	"
July	2.68	18.22	"	"
August	2.64	20.86	"	"
September	2.39	23.25	"	"
*86-year record				

*FORT ROBINSON STATION, DAWES COUNTY--ELEVATION 3807

October	1.00	1.00	No report	
November	0.58	1.58	"	"
December	0.43	2.01	"	"
January	0.43	2.44	"	"
February	0.50	2.94	"	"
March	0.92	3.86	"	"
April	1.86	5.72	2.78	2.78
May	3.59	9.31	3.86	6.64
June	3.83	13.14	1.43	8.07
July	2.14	15.28	1.61	9.68
August	1.47	16.75	3.85	13.53
September	1.34	18.09	0.80	14.33
*93-year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1977	
	Monthly	Accumulative	Monthly	Accumulative
*CULBERTSON STATION, HITCHCOCK COUNTY--ELEVATION 2720				
October	1.31	1.31	0.78	0.78
November	0.64	1.95	0.09	0.87
December	0.49	2.44	T	0.87
January	0.47	2.91	0.18	1.05
February	0.53	3.44	0.24	1.29
March	1.07	4.51	3.31	4.60
April	1.84	6.35	3.87	8.47
May	3.26	9.61	3.55	12.02
June	3.46	13.07	1.92	13.94
July	3.32	16.39	1.01	14.95
August	2.46	18.85	6.42	21.37
September	1.92	20.77	1.26	22.63
*89-year record				

*GENOA STATION, NANCE COUNTY--ELEVATION 1590

October	1.38	1.38	0.25	0.25
November	0.58	1.96	0.08	0.33
December	0.70	2.66	0.18	0.51
January	0.47	3.13	0.38	0.89
February	0.90	4.03	0.72	1.61
March	1.20	5.23	2.84	4.45
April	2.42	7.65	3.75	8.20
May	3.78	11.43	5.82	14.02
June	4.80	16.23	1.67	15.69
July	3.26	19.49	3.58	19.27
August	3.07	22.56	5.30	24.57
September	2.68	25.24	1.87	26.44
*101-year record				

*HOLDREGE STATION, PHELPS COUNTY--ELEVATION 2330

October	1.53	1.53	1.02	1.02
November	0.60	2.13	0.09	1.11
December	0.58	2.71	0.03	1.14
January	0.58	3.29	0.31	1.45
February	0.80	4.09	0.14	1.59
March	1.33	5.42	3.56	5.15
April	2.29	7.71	5.41	10.56
May	4.07	11.78	4.98	15.54
June	4.83	16.61	0.94	16.48
July	3.12	19.73	2.64	19.12
August	2.65	22.38	3.67	22.79
September	2.56	24.94	0.54	23.33
*87-year record				

PRECIPITATION

<u>Division</u>	<u>Water Year</u>	<u>Total (in Inches)</u>	<u>% of Normal</u>	<u>Normal</u>
Panhandle	1977	18.31	105%	17.37
North Central	1977	28.76	137%	20.96
Northeast	1977	27.91	108%	25.85
Central	1977	32.30	140%	23.00
East Central	1977	31.59	111%	28.36
Southwest	1977	23.00	119%	19.34
South Central	1977	27.07	113%	23.91
Southeast	1977	33.89	110%	30.90
Entire State	1977	27.85	117%	23.71

DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
Values in Acre-feet
For Water Year Ending September 30, 1977

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Totals
*Bald Drain	520	250	240	80	60	20	30	500	1690	670	890	730	5680
Bayard Sugar Factory Drain	2580	1530	1440	1200	1190	1290	660	720	730	1900	2750	1650	17640
^Cleveland Drain	230	150	120	70	30	60	90	430	630	570	810	640	3830
*DeGraw Drain	370	270	310	230	180	230	160	210	240	320	510	520	3550
^Dugout Creek, Upper	1010	510	530	570	290	250	220	1290	1250	1720	1550	1910	11100
*Fairfield Seep	100	30	0	0	0	40	20	80	70	80	320	220	960
*Fanning Seep	0	0	0	0	0	0	0	0	0	0	0	0	0
Gering Drain	2440	2010	1860	1700	1420	1630	1620	5550	6860	4940	5520	6810	42360
Horse Creek	4910	2680	2000	1150	1260	1350	1460	9430	15350	5110	8370	10420	63490
^Indian Creek	710	540	520	510	330	310	370	720	1320	1390	1790	1590	10100
*Lane Drain	240	140	120	80	100	90	60	100	100	60	150	180	1420
^Melbeta Drain	430	150	120	150	130	120	120	620	700	600	520	550	4210
Nine Mile Drain	9570	6910	6040	5390	4360	4710	4570	5530	7300	9850	11710	11270	87210
Red Willow Creek	8150	5340	5030	4150	3300	3750	3480	5000	6240	6970	7870	12260	71540
*Scottsbluff Drain No. 1	320	220	130	90	70	60	60	100	180	250	490	410	2380
*Scottsbluff Drain No. 2	250	150	150	90	110	120	80	250	440	290	390	500	2830
Sheep Creek	7710	6590	6160	5660	4490	4740	4620	610	470	300	370	1660	43380
Spottedtail Creek, Dry	2220	1630	1200	970	1170	1120	1080	1900	1690	2680	2250	2820	20730
*Spottedtail Creek, Wet	1020	910	840	800	680	740	830	880	970	970	860	800	10300
Tub Springs Creek	4040	2910	2740	2470	1790	1650	1520	2460	2570	1970	2430	2960	29510
Winters Creek	4380	3580	3140	2680	2480	3120	2800	2230	4050	1790	2430	3300	35980
Totals	51200	36500	32690	28040	23440	25400	23850	38620	52850	42430	51980	61200	468200

*Estimated for entire year from measurements
^Estimated October-April, inclusive. One reading daily May-September.

DIVERSIONS FROM DRAINS BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
Values in Acre-feet

For Water Year Ending September 30, 1977

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Northport Canal from:								
Akers Draw.....	0	0	450	490	540	550	480	2510
Sheep Creek.....	0	0	3350	4500	4920	5440	4450	22660
Dry Spottedtail Creek.....	0	0	480	780	1070	1400	900	4630
Wet Spottedtail Creek.....	0	0	840	950	750	1140	1390	5070
Tub Springs Creek.....	0	0	550	1510	2030	2160	1670	7920
Enterprise Canal from:								
Dry Spottedtail Creek.....	0	0	0	0	0	0	0	0
Morrill Drain.....	0	0	0	40	30	200	150	420
Winter Creek.....	0	0	0	30	90	110	0	230
Tub Springs Creek.....	0	0	0	0	0	0	0	0
Winter Creek Canal from:								
Winter Creek.....	10	0	1100	1160	2750	3310	2620	10950
Alliance Canal from:								
Bayard Drain.....	0	440	1700	2040	1420	320	1210	7130
Red Willow Creek.....	0	120	1710	2360	3070	3150	1920	12330
Totals.....	10	560	10180	13860	16670	17780	14790	73850

MONTHLY EVAPORATION IN FEET--1977

STATION	May	June	July	Aug.	Sept.	Total
Pathfinder Dam	^	0.954	1.052	0.802	0.761	
Whalen Dam	0.763	0.907	0.898	0.697	0.653	3.918
Bridgeport	0.769	0.837	0.866	0.706	0.694	3.872
Kingsley Dam	^	0.525	0.617	0.431	0.325	
North Platte	0.723	0.807	1.088	^	0.689	

SUMMARY
ANNUAL DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Water Year Ending September 30, 1977				Water Year Ending September 30, 1977		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre		Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Ainsworth	35216	54640	1.55				
Alliance	6318	19460	4.08	#Middle Loup PPID No. 2	5360	2960 0.55	
Bartley	6491	10400	1.60	#Middle Loup PPID No. 3	12950	10250 0.79	
Beerline	2080	2320	1.12	#Middle Loup PPID No. 4	12740	10620 0.83	
Belmont	14547	30930	2.13	Midland-Overland	2258	2370 1.05	
Birdwood	5287	5800	1.10	Minatare	9372	21270 2.27	
Blue Creek	2834	6070	2.14	Mirage Flats	11679	14200 1.22	
Browns Creek	6136	14180	2.31	Mitchell	13562	20530 1.51	
Cambridge	17450	31180	1.79	Moore-Kay	400	710 1.78	
Castle Rock-Steamboat	6497	20890	3.22	Naponee	1760	2910 1.65	
Central	2092	6690	3.20	Nine Mile	6037	17600 2.92	
Champion	990	2570	2.60	#No. Loup PPID Taylor-Ord	15210	18680 1.23	
Chimney Rock	5269	18410	3.49	#No. Loup PPID Burwell-Sumter	8610	10490 1.22	
Cody-Dillon	4749	3300	0.69	#No. Loup PPID Ord North Loup	6778	8680 1.28	
Court House Rock	1489	1800	1.21	North Platte	14483	43080 2.97	
Courtland for Nebr lands	1540	1370	0.89	Northport	16112	79800 4.95	
Cozad	25251	29380	1.16	Orchard-Alfalfa	5975	9160 1.53	
Culbertson	20703	39520	1.91	Paisley	1086	3500 3.22	
Dawson County	82226	62010	0.75	Paxton-Hershey	7323	16110 2.20	
Earnest	441	910	2.06	Pioneer	749	530 0.71	
Empire	2186	6750	3.09	Potmesil	618	400 0.65	
Enterprise	7533	21910	2.91	Ramshorn	1652	0 0.00	
Farwell	50993	127730	2.50	Red Willow	5070	7550 1.49	
**Fort Laramie	105056	340500	3.24	Sargent	13867	23940 1.73	
Franklin	11209	21660	1.93	Sheridan-Wilson	918	2350 2.56	
Franklin Pump	2109	3090	1.47	Short Line	2786	8620 3.09	
Gering	13506	44190	3.27	Six Mile	1173	2340 1.99	
**Gothenburg	23117	48450	2.10	Suburban	5513	21800 3.95	
Graf	1067	2120	1.99	Superior	5896	11190 1.90	
Harris-Neece	1109	1260	1.14	Thirty Mile	23338	35740 1.53	
Hooper	872	2800	3.21	**Tri-County	127191	288550 2.27	
Interstate	112449	429060	3.82	Tri-State	61772	216740 3.51	
**Kearney	7594	14190	1.87	Union	1306	2830 2.17	
Keith-Lincoln Co.	5968	17050	2.86	Western	12443	14430 1.16	
Last Chance	442	770	1.74	Winters Creek	5748	16100 2.80	
Lichte	519	240	0.46				
Lisco	3908	8170	2.09				
McGinley-Stover	695	800	1.15				
McLaughlin	500	450	0.90				
Meeker-Driftwood	15845	28420	1.57				
Meredith-Ammer	380	850	2.24				
#Middle Loup PPID No. 1	3812	3660	0.96				

*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

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, 1977

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Guernsey to Whalen	41230	0	0	0	0	0	0	137550	96330	204770	163790	125900	769570
Whalen to State Line	0	0	0	0	0	0	0	17760	19730	30510	26010	19850	113860
State Line to Mitchell	240	0	0	0	0	0	1900	38350	40590	85550	70630	48030	285290
Mitchell to Minatare	2100	0	0	0	0	0	0	7170	10390	16900	16000	12390	64950
Minatare to Bridgeport	4920	0	0	0	0	0	1000	13410	24520	25920	20690	18760	109220
Bridgeport to Lisco	1830	40	0	0	0	0	0	930	4750	9320	6890	4330	28090
Lisco to Keystone	3940	0	0	0	0	0	0	1560	4200	7580	10070	6770	34120
Keystone to North Platte	4510	360	10	0	0	0	70	7220	17510	34390	27810	17610	109490
North Platte to Odessa	1120	40	0	0	0	0	930	39990	87770	221890	122090	15990	489820
Total, Guernsey-Odessa	59890	440	10	0	0	0	3900	263940	305790	636830	463980	269630	2004410

COMPARISON OF STORAGE
IN RESERVOIRS

Name of Reservoir	Capacity top of Irrig. Pool Acre-feet	Maximum Storage 1977		Sept. 30, 1977	
		Acre-feet	%Average	Acre-feet	%Average
1 Pathfinder (ownership)	a 1,015,890	704,821	77%	65,691	17%
1 Glendo (ownership)	a 184,870	176,245	112%	122,478	93%
Lake C. W. McConaughy	a 1,948,000	1,581,400	90%	1,213,200	85%
Oliver		Reservoir drained			
Bennett	a 1,400	1,080	102%	92	23%
Whitney	a 10,000	10,210	100%	4,150	121%
Crescent Lake	a 7,000	691	44%	178	29%
Box Butte	a 31,060	15,009	72%	4,813	96%
2 Enders	a 44,480	34,860	80%	13,200	75%
2 Harry Strunk Lake	a 37,140	40,700	96%	22,830	92%
2 Swanson Lake	a 120,160	78,060	63%	39,510	53%
2 Marlan County	a 342,560	268,100	73%	199,900	74%
2 Hugh Butler Lake	b 37,780	35,800	99%	26,670	93%
Sherman	c 69,080	69,365	106%	54,673	136%
Merritt	d 74,490	75,370	104%	61,936	128%

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

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

- a 1960-1977 record for average
- b 1962-1977 record for average
- c 1963-1977 record for average
- d 1964-1977 record for average