

**2014 ANNUAL REPORT OF THE DEPARTMENT OF NATURAL RESOURCES
TO MEET THE REQUIREMENTS OF THE UPPER NIOBRARA WHITE NATURAL
RESOURCES DISTRICT'S INTEGRATED MANAGEMENT PLAN**

Purpose: The purpose of the report is to fulfill the Department of Natural Resources (Department) responsibilities under the integrated management plan (IMP) annual reporting obligations and provide updates to current monitoring projects or studies as outlined in the IMP.

Reporting and exchanging information gathered from monitoring projects, streamflow data, or other studies provides a basis to increase understanding of the surface water and hydrologically connected groundwater system. As surface water and groundwater are hydrologically connected throughout much of the district, estimates of water quantity of either surface water or groundwater cannot be evaluated separately. The data gathered through this IMP's monitoring plan are designed to evaluate and measure the success of the objectives of this IMP. This information exchange also helps to test the validity of the conclusions and information upon which the IMP is based. This report contains information on variance activities and permit activities from January 1, 2014, through December 31, 2014. Also included are stream measurements from October 1, 2013 through September 30, 2014.

Department Reporting: Data

The IMP requires that the Department annually report on the following surface water data within the district:

- 1) Diversion records upstream of Box Butte Reservoir
- 2) Non-gaged stream measurements

1) Surface Water Diversion Records Upstream of Box Butte Reservoir

Surface water diversion records for the water year 2014 are included in Appendix A. The canals measured include: Bennett-Kay Canal; Cook Canal No. 1; Earnest Canal (South); Earnest Canal (North); Excelsior Canal; Harris-Neece Canal; Geo. Hitsheiw Canal; Hughes Canal; Johnson Canal; Labelle Canal; Lakota Canal; Lichte Canal; McGinley-Stover Canal; McLaughlin Canal; Mettlen Canal; Montague Canal; and the Moore-Kay Canal.

2) Non-gaged Stream Measurements

Non-gaged stream measurements for the water year 2014 are included in Appendix B. Measurements were conducted at the following streams: Deadman Creek, Deep Creek, Hat Creek, Jim Creek, Monroe Creek, Niobrara River, Soldier Creek, Sow Belly Creek, and White River. Measurements were also conducted at various diversions: Armstrong Pump, Big Monroe Canal, Buckley Pump, Coffee Flood Canal, Cook Pump, Crawford City Park Pump, Delsing Pump, Enterprise Pump, Hageman Canal, Harris-Cooper Canal, Hoover Pump, Montague Canal

Pump, Pioneer Pump #2, Schumacher Pump, White River Canal, Whitney Reservoir and Wilkins Pump.

Department Reporting: Permitting

The IMP requires that the Department annually report the following permitting actions within the surface water control area of the district:

- 1) Surface water variance
- 2) Cancelled surface water rights
- 3) New uses and increases in municipal and industrial consumptive uses

Tables 1 and 2 below contain detailed information on the permitting activities for calendar year 2014.

1) Surface Water Variances

During calendar year 2014 the surface water appropriation activity was limited to six temporary permits for road construction that were granted to the Dawes County Road Department, each for 10 acre-feet (Table 1). The permitted variances address public safety issues, meeting the criteria of Department rules *457 Neb. Admin. Code* Chapter 23, § 001.05. Applications were filed and surface water appropriations were granted for all six variances.

2) Cancelled Surface Water Rights

During calendar year 2014, four surface water permits were cancelled. They were temporary, one-year permits for road construction granted to the Dawes County Road Department (Table 2).

3) New or Increased Municipal and Industrial Uses

There were no new or increased municipal or industrial uses in calendar year 2014.

Current Studies

The Interrelated Water Management Plan Program Fund (IWMPPF) conjunctive water management study, jointly undertaken by the Department and UNWNRD, has been completed. This study combined surface and groundwater modeling tools to evaluate potential water management strategies within the UNWNRD. Development of surface water and groundwater modeling tools has concluded and data is available through the modeling data link on INSIGHT (<http://dnr.nebraska.gov/INSIGHT/>). These UNW area models were incorporated as part of the Niobrara River Basin Study with the Bureau of Reclamation.

The Niobrara River Basin study was similar to the IWMPPF study, except that it expanded the study region, incorporated climate and economic components, and included funding and in-kind

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contributions from the Bureau of Reclamation WaterSMART program. The study incorporated several models, including land-use, groundwater, surface water, and economic models. All portions of the study are completed.

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Table 1. Calendar year 2014 surface water variances in the surface water control area of the UNWNRD

Appropriation Number	Order Date	Variance	Approval Date	Sec	Twn	Rng	Dir.	Use	Grant in CFS	Grant in AF	Mitigation
A-19222	6/30/2014	VAR-4947	3/11/2014	24	32	52	W	Manufacturing; Temporary Construction	0.89	10	Variance granted pursuant to 457 Neb. Admin. Code Chapter 23, § 001.05
A-19223	6/30/2014	VAR-4945	3/11/2014	13	33	48	W	Manufacturing; Temporary Construction	0.89	10	Variance granted pursuant to 457 Neb. Admin. Code Chapter 23, § 001.05
A-19224	6/30/2014	VAR-4944	3/11/2014	3	31	52	W	Manufacturing; Temporary Construction	0.89	10	Variance granted pursuant to 457 Neb. Admin. Code Chapter 23, § 001.05
A-19225	6/30/2014	VAR-4946	3/11/2014	6	34	47	W	Manufacturing; Temporary Construction	0.89	10	Variance granted pursuant to 457 Neb. Admin. Code Chapter 23, § 001.05
A-19226	6/30/2014	VAR-4943	3/11/2014	27	34	48	W	Manufacturing; Temporary Construction	0.89	10	Variance granted pursuant to 457 Neb. Admin. Code Chapter 23, § 001.05
A-19227	6/30/2014	VAR-4942	3/11/2014	12	32	49	W	Manufacturing; Temporary Construction	0.89	10	Variance granted pursuant to 457 Neb. Admin. Code Chapter 23, § 001.05

Table 2. Calendar year 2014 cancelled surface water permits in the surface water control area of the UNWNRD.

Appropriation Number	Order of Cancellation Date	Variance	Sec	Twn	Rng	Dir	Use	Begin Acres	Cancelled Acres	Cancellation in CFS	Cancellation in AF
A-19067	5/24/2013	VAR-3582	6	34	47	W	Manufacturing; Temporary Construction	N/A	N/A	N/A	10
A-19068	5/24/2013	VAR-3583	27	34	48	W	Manufacturing; Temporary Construction	N/A	N/A	N/A	10
A-19069	5/24/2013	VAR-3580	8	31	50	W	Manufacturing; Temporary Construction	N/A	N/A	N/A	10
A-19070	5/24/2013	VAR-3581	24	32	52	W	Manufacturing; Temporary Construction	N/A	N/A	N/A	10

Appendix A

Surface Water Diversion Records

Upstream of Box Butte Reservoir

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13000 Bennett-Kay Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	0.05	0.21	2.1	1.1	0.00
2	0.00	---	---	---	---	---	---	0.02	0.21	2.0	1.1	0.00
3	---	---	---	---	---	---	---	0.02	0.20	2.0	1.1	0.00
4	---	---	---	---	---	---	---	0.03	0.18	0.51	1.1	0.00
5	---	---	---	---	---	---	---	0.06	0.18	0.00	1.1	0.00
6	---	---	---	---	---	---	---	0.11	0.15	0.00	1.2	0.00
7	---	---	---	---	---	---	---	0.43	0.12	0.00	1.2	0.00
8	---	---	---	---	---	---	---	0.95	0.12	0.00	1.5	0.00
9	---	---	---	---	---	---	---	0.97	0.56	0.00	1.3	0.00
10	---	---	---	---	---	---	0.00	1.0	2.6	0.00	1.1	0.01
11	---	---	---	---	---	---	0.02	1.0	0.95	0.00	0.32	0.13
12	---	---	---	---	---	---	0.04	1.0	0.08	0.00	0.00	0.19
13	---	---	---	---	---	---	0.06	1.0	0.07	0.00	0.00	0.15
14	---	---	---	---	---	---	0.00	1.0	0.08	0.00	0.00	0.18
15	---	---	---	---	---	---	0.00	1.0	0.1	0.00	0.00	0.15
16	---	---	---	---	---	---	0.00	1.0	0.1	0.00	0.00	0.09
17	---	---	---	---	---	---	0.00	0.91	0.12	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.71	0.12	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.69	0.12	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.67	0.12	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.82	0.1	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.50	0.06	0.00	0.00	0.00
23	---	---	---	---	---	---	0.01	0.32	0.02	0.00	0.00	0.00
24	---	---	---	---	---	---	0.01	0.32	1.1	0.00	0.00	0.00
25	---	---	---	---	---	---	0.03	0.31	2.2	0.00	0.00	0.00
26	---	---	---	---	---	---	0.05	0.28	2.1	0.00	0.00	0.00
27	---	---	---	---	---	---	0.09	0.28	2.4	0.00	0.00	0.00
28	---	---	---	---	---	---	0.16	0.28	2.7	0.00	0.00	0.00
29	---	---	---	---	---	---	0.11	0.24	2.5	0.00	0.00	0.00
30	---	---	---	---	---	---	0.09	0.21	2.3	0.15	0.00	0.00
31	---	---	---	---	---	---	---	0.21	---	1.1	0.00	---
Total	0	---	---	---	---	---	0.67	16.39	21.87	7.86	12.12	0.9
Mean	0.000	---	---	---	---	---	0.031	0.53	0.73	0.25	0.39	0.030
Max	0.00	---	---	---	---	---	0.16	1.0	2.7	2.1	1.5	0.19
Min	0.00	---	---	---	---	---	0.00	0.02	0.02	0.00	0.00	0.00
AC-FT	0	---	---	---	---	---	1.3	33	43	16	24	1.8
CAL YEAR	2013	TOTAL	116	MEAN	0.90	MAX	5.0	MIN	0.00	AC-FT	230	
WTR YEAR	2014	TOTAL	60	MEAN	0.34	MAX	3.0	MIN	0.00	AC-FT	119	

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29000 Cook Canal No. 1 from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Total	---	---	---	---	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---
AC-FT	---	---	---	---	---	---	---	---	---	---	---	---
CAL YEAR	2013	TOTAL	0	MEAN	0.000	MAX	0.0	MIN	0.00	AC-FT	0.00	
WTR YEAR	2014	TOTAL	0	MEAN		MAX	-0.0	MIN	0.00	AC-FT	0.00	

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38100 Earnest Canal (South) from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	2.4	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	---	2.4	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	---	2.4	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	---	2.4	0.00	0.00	0.00	---
5	---	---	---	---	---	---	---	2.4	0.00	0.00	0.00	---
6	---	---	---	---	---	---	---	4.7	0.00	0.00	0.00	---
7	---	---	---	---	---	---	---	6.9	0.00	0.00	0.00	---
8	---	---	---	---	---	---	---	6.3	0.00	0.00	0.00	---
9	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
10	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
11	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
12	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
13	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
14	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
15	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
16	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
17	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
18	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
19	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
20	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
21	---	---	---	---	---	---	---	6.4	0.00	0.00	0.00	---
22	---	---	---	---	---	---	---	2.6	6.4	0.00	0.00	0.00
23	---	---	---	---	---	---	---	2.5	6.6	0.00	0.00	0.00
24	---	---	---	---	---	---	---	2.5	6.6	0.00	0.00	0.00
25	---	---	---	---	---	---	---	2.4	6.8	0.00	0.00	0.00
26	---	---	---	---	---	---	---	2.7	7.0	0.00	0.00	0.00
27	---	---	---	---	---	---	---	3.4	6.7	0.00	0.00	0.00
28	---	---	---	---	---	---	---	2.1	6.7	0.00	0.00	0.00
29	---	---	---	---	---	---	---	1.3	4.1	0.00	0.00	0.00
30	---	---	---	---	---	---	---	2.5	0.00	0.00	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
Total	0	---	---	---	---	---	22	164	0	0	0	0
Mean	0.000	---	---	---	---	---	2.46	5.27	0.000	0.000	0.000	0.000
Max	0.00	---	---	---	---	---	3.4	7.0	0.00	0.00	0.00	0.00
Min	0.00	---	---	---	---	---	1.3	0.00	0.00	0.00	0.00	0.00
AC-FT	0	---	---	---	---	---	44	325	0	0	0	0
CAL YEAR	2013	TOTAL	8	MEAN	0.055	MAX	2.0	MIN	-0.00	AC-FT	15	
WTR YEAR	2014	TOTAL	186	MEAN	1.37	MAX	7.0	MIN	0.00	AC-FT	369	

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38200 Earnest Canal (North) from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	2.7	5.4	2.6	0.00	0.00
2	---	---	---	---	---	---	---	2.7	5.4	2.6	0.00	0.00
3	---	---	---	---	---	---	---	2.7	5.4	0.00	0.00	0.00
4	---	---	---	---	---	---	---	2.7	5.3	0.00	0.00	---
5	---	---	---	---	---	---	---	2.7	5.3	0.00	0.00	---
6	---	---	---	---	---	---	---	2.7	5.2	0.00	0.00	---
7	---	---	---	---	---	---	---	2.7	5.2	0.00	0.00	---
8	---	---	---	---	---	---	---	3.3	5.2	0.00	0.00	---
9	---	---	---	---	---	---	---	3.2	5.2	0.00	0.00	---
10	---	---	---	---	---	---	---	2.9	5.2	0.00	0.00	---
11	---	---	---	---	---	---	---	3.0	5.2	0.00	0.00	---
12	---	---	---	---	---	---	---	3.2	5.1	0.00	0.00	---
13	---	---	---	---	---	---	---	0.00	4.1	0.00	0.00	---
14	---	---	---	---	---	---	---	0.00	3.2	0.00	0.00	---
15	---	---	---	---	---	---	---	0.00	4.7	0.00	0.00	---
16	---	---	---	---	---	---	---	0.00	4.9	0.00	0.00	---
17	---	---	---	---	---	---	---	0.00	4.8	0.00	0.00	---
18	---	---	---	---	---	---	---	0.00	4.8	0.00	0.00	---
19	---	---	---	---	---	---	---	0.00	4.8	0.00	0.00	---
20	---	---	---	---	---	---	---	0.00	3.6	0.00	0.00	---
21	---	---	---	---	---	---	---	0.00	2.7	0.00	0.00	---
22	---	---	---	---	---	---	8.5	0.00	2.7	0.00	0.00	---
23	---	---	---	---	---	---	8.4	0.00	2.7	0.00	0.00	---
24	---	---	---	---	---	---	8.3	0.00	2.7	0.00	0.00	---
25	---	---	---	---	---	---	8.3	0.00	2.7	0.00	0.00	---
26	---	---	---	---	---	---	6.2	0.00	2.7	0.00	0.00	---
27	---	---	---	---	---	---	4.4	0.00	2.7	0.00	0.00	---
28	---	---	---	---	---	---	4.4	0.00	2.7	0.00	0.00	---
29	---	---	---	---	---	---	2.7	5.3	2.7	0.00	0.00	---
30	---	---	---	---	---	---	2.7	5.4	2.6	0.00	0.00	---
31	---	---	---	---	---	---	---	5.4	---	0.00	0.00	---
Total	0	---	---	---	---	---	53.9	50.6	124.9	5.2	0	0
Mean	0.000	---	---	---	---	---	5.98	1.63	4.15	0.17	0.000	0.000
Max	0.00	---	---	---	---	---	8.5	5.4	5.4	2.6	0.00	0.00
Min	0.00	---	---	---	---	---	2.7	0.00	2.6	0.00	0.00	0.00
AC-FT	0	---	---	---	---	---	107	100	248	10	0	0
CAL YEAR	2013	TOTAL	13	MEAN	0.096	MAX	2.0	MIN	0.00	AC-FT	26	
WTR YEAR	2014	TOTAL	235	MEAN	1.72	MAX	9.0	MIN	0.00	AC-FT	465	

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46000 Excelsior Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
9	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
10	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
11	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
13	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
14	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
15	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
28	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
Total	0	---	---	---	---	---	---	0	0	0	0	0
Mean	0.000	---	---	---	---	---	---	0.000	0.000	0.000	0.000	0.000
Max	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
Min	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	0	---	---	---	---	---	---	0	0	0	0	0
CAL YEAR	2013	TOTAL	8	MEAN	0.050	MAX	1.0	MIN	0.00	AC-FT	16	
WTR YEAR	2014	TOTAL	0	MEAN	0.000	MAX	0.0	MIN	0.00	AC-FT	0.00	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

62000 Harris-Neece Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	6.1	---	---	---	---	---	---	0.00	11	5.6	4.4	6.5
2	5.9	---	---	---	---	---	---	0.00	11	5.4	4.4	6.8
3	4.7	---	---	---	---	---	---	0.00	11	5.3	4.4	6.8
4	4.7	---	---	---	---	---	---	0.00	11	5.0	4.3	6.8
5	4.7	---	---	---	---	---	---	0.00	11	4.8	4.4	6.9
6	4.7	---	---	---	---	---	---	0.00	10	4.8	4.3	7.0
7	4.7	---	---	---	---	---	---	0.00	10	4.9	4.2	7.0
8	4.7	---	---	---	---	---	---	0.00	10	5.1	4.4	7.1
9	4.7	---	---	---	---	---	---	0.00	10	5.4	4.4	7.2
10	4.7	---	---	---	---	---	0.00	0.00	2.9	5.7	4.5	7.4
11	---	---	---	---	---	---	0.00	0.00	0.00	6.1	4.5	7.7
12	---	---	---	---	---	---	0.00	0.00	0.00	6.7	4.4	4.8
13	---	---	---	---	---	---	0.00	0.00	0.00	6.9	4.6	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	6.7	4.6	0.00
15	---	---	---	---	---	---	0.00	0.00	0.00	5.0	4.8	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	4.8	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	4.7	0.00
18	---	---	---	---	---	---	0.00	0.00	3.4	0.00	4.6	0.00
19	---	---	---	---	---	---	0.00	0.00	5.7	0.00	4.7	---
20	---	---	---	---	---	---	0.00	0.00	5.8	0.00	4.8	---
21	---	---	---	---	---	---	0.00	0.00	5.8	0.00	4.8	---
22	---	---	---	---	---	---	0.00	0.00	5.6	0.00	4.9	---
23	---	---	---	---	---	---	0.00	0.00	5.7	0.00	5.0	---
24	---	---	---	---	---	---	0.00	0.00	6.1	0.00	5.0	---
25	---	---	---	---	---	---	0.00	0.00	6.0	0.00	5.0	---
26	---	---	---	---	---	---	0.00	0.00	6.2	0.00	5.2	---
27	---	---	---	---	---	---	0.00	6.9	6.0	3.2	5.6	---
28	---	---	---	---	---	---	0.00	11	6.0	4.4	5.4	---
29	---	---	---	---	---	---	0.00	11	6.0	4.4	5.6	---
30	---	---	---	---	---	---	0.00	11	5.4	4.4	5.9	---
31	---	---	---	---	---	---	---	11	---	4.4	6.1	---
Total	49.6	---	---	---	---	---	0	50.9	171.6	104.2	148.7	82
Mean	4.98	---	---	---	---	---	0.000	1.65	5.73	3.35	4.79	4.55
Max	6.1	---	---	---	---	---	0.00	11	11	6.9	6.1	7.7
Min	4.7	---	---	---	---	---	0.00	0.00	0.00	0.00	4.2	0.00
AC-FT	98	---	---	---	---	---	0	101	340	207	295	163
CAL YEAR	2013	TOTAL	738	MEAN	4.50	MAX	9.0	MIN	0.00	AC-FT	1460	
WTR YEAR	2014	TOTAL	607	MEAN	3.53	MAX	11.0	MIN	0.00	AC-FT	1200	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

63000 Geo. Hitsuw Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Total	0	---	---	---	---	---	---	---	---	---	---	---
Mean	0.00	---	---	---	---	---	---	---	---	---	---	---
Max	0.00	---	---	---	---	---	---	---	---	---	---	---
Min	0.00	---	---	---	---	---	---	---	---	---	---	---
AC-FT	0	---	---	---	---	---	---	---	---	---	---	---
CAL YEAR	2013	TOTAL	0	MEAN	0.000	MAX	0.0	MIN	0.00	AC-FT	0.00	
WTR YEAR	2014	TOTAL	0	MEAN	0.000	MAX	0.0	MIN	0.00	AC-FT	0.00	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

69000 Hughes Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	0.29	0.04	0.00	0.00	0.00
2	0.00	---	---	---	---	---	---	0.28	0.11	0.00	0.00	0.00
3	0.00	---	---	---	---	---	---	0.26	0.04	0.00	0.00	0.00
4	0.00	---	---	---	---	---	---	0.22	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	---	0.19	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	---	0.29	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	---	0.56	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	---	0.61	0.00	0.00	0.00	0.00
9	0.00	---	---	---	---	---	---	0.45	0.00	0.00	0.00	0.00
10	0.00	---	---	---	---	---	---	0.45	0.00	0.00	0.00	0.00
11	0.00	---	---	---	---	---	---	0.54	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	---	0.65	0.00	0.00	0.00	0.00
13	0.00	---	---	---	---	---	---	0.70	0.00	0.00	0.00	0.00
14	0.00	---	---	---	---	---	---	0.70	0.00	0.00	0.00	0.00
15	0.00	---	---	---	---	---	---	0.65	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	0.57	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	0.50	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.43	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	---	0.35	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	0.32	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	0.31	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	0.29	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	---	0.26	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	---	0.25	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	---	0.22	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	---	0.20	0.00	0.00	0.00	---
27	---	---	---	---	---	---	---	0.17	0.00	0.00	0.00	---
28	---	---	---	---	---	---	---	0.15	0.00	0.00	0.00	---
29	---	---	---	---	---	---	---	0.06	0.00	0.00	0.00	---
30	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
Total	0	---	---	---	---	---	---	10.92	0.19	0	0	0
Mean	0.000	---	---	---	---	---	---	0.35	0.006	0.00	0.00	0.000
Max	0.00	---	---	---	---	---	---	0.70	0.11	0.00	0.00	0.00
Min	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	0	---	---	---	---	---	---	22	0.4	0	0	0
CAL YEAR	2013	TOTAL	12	MEAN	0.071	MAX	1.0	MIN	-0.00	AC-FT	25	
WTR YEAR	2014	TOTAL	11	MEAN	0.068	MAX	1.0	MIN	0.00	AC-FT	22	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

72000 Johnson Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	1.6	---	---	---	---	---	---	0.00	4.5	0.00	0.00	0.00
2	1.6	---	---	---	---	---	---	0.00	4.7	0.00	0.00	0.00
3	1.6	---	---	---	---	---	---	0.00	e5.0	0.00	0.00	0.00
4	3.4	---	---	---	---	---	---	0.00	e5.0	0.00	0.00	0.00
5	1.6	---	---	---	---	---	---	0.00	e5.0	0.00	0.00	0.00
6	0.00	---	---	---	---	---	---	0.00	e5.0	0.00	0.00	0.00
7	0.00	---	---	---	---	---	---	0.00	e5.0	0.00	0.00	0.00
8	0.00	---	---	---	---	---	---	0.00	0.53	0.00	0.00	0.00
9	0.00	---	---	---	---	---	---	0.00	0.22	0.00	0.00	0.00
10	0.00	---	---	---	---	---	---	0.00	0.05	0.00	0.00	0.00
11	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	2.6	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	0.00	5.7	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	0.00	5.8	0.00	0.00	0.00	---
25	---	---	---	---	---	---	0.00	5.6	0.00	0.00	0.00	---
26	---	---	---	---	---	---	0.00	6.1	0.00	0.00	0.00	---
27	---	---	---	---	---	---	0.00	5.8	0.00	0.00	0.00	---
28	---	---	---	---	---	---	0.00	5.1	0.00	0.00	0.00	---
29	---	---	---	---	---	---	0.00	4.6	0.00	0.00	0.00	---
30	---	---	---	---	---	---	0.00	4.2	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	4.3	---	0.00	0.00	---
Total	9.8	---	---	---	---	---	0	49.8	35	0	0	0
Mean	0.97	---	---	---	---	---	0.000	1.60	1.17	0.000	0.000	0.000
Max	3.4	---	---	---	---	---	0.00	6.1	5.0	0.00	0.00	0.00
Min	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	19	---	---	---	---	---	0	99	69	0	0	0
CAL YEAR	2013	TOTAL	40	MEAN	0.33	MAX	3.0	MIN	0.00	AC-FT	80	
WTR YEAR	2014	TOTAL	95	MEAN	0.55	MAX	6.0	MIN	0.00	AC-FT	188	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

78000 Labelle Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	De-c-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
23	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
24	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
25	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
26	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
27	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
Total	0	---	---	---	---	---	0	0	0	0	0	0
Mean	0.000	---	---	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000
Max	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
Min	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0	---	---	---	---	---	0	0	0	0	0	0
CAL YEAR	2013	TOTAL	0	MEAN	0.00	MAX	0.0	MIN	0.00	AC-FT	0.00	
WTR YEAR	2014	TOTAL	0	MEAN	0.00	MAX	0.0	MIN	0.00	AC-FT	0.00	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

79000 Lakotah Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	3.4	0.06	0.89	0.15	0.52
2	---	---	---	---	---	---	---	2.7	0.09	0.80	0.15	0.50
3	---	---	---	---	---	---	---	2.5	0.08	0.70	0.15	0.47
4	---	---	---	---	---	---	---	2.2	0.39	0.60	0.15	0.47
5	---	---	---	---	---	---	---	2.0	0.62	0.54	0.14	0.47
6	---	---	---	---	---	---	---	1.9	0.56	0.47	0.14	0.47
7	---	---	---	---	---	---	---	1.8	0.58	0.39	0.19	0.47
8	---	---	---	---	---	---	---	2.5	1.4	0.31	0.22	0.47
9	---	---	---	---	---	---	---	3.0	1.7	0.27	0.23	0.43
10	---	---	---	---	---	---	---	3.0	1.7	0.26	0.25	0.48
11	---	---	---	---	---	---	---	3.2	1.7	0.38	0.24	0.56
12	---	---	---	---	---	---	---	4.8	1.9	0.60	0.22	0.59
13	---	---	---	---	---	---	---	4.5	1.8	0.66	0.21	0.65
14	---	---	---	---	---	---	---	4.7	1.9	0.65	0.19	0.65
15	---	---	---	---	---	---	---	3.9	1.9	0.68	0.18	0.65
16	---	---	---	---	---	---	---	3.3	1.9	0.76	0.19	0.65
17	---	---	---	---	---	---	---	2.9	2.1	0.84	0.19	0.63
18	---	---	---	---	---	---	---	2.6	2.1	0.87	0.20	0.61
19	---	---	---	---	---	---	---	2.5	1.8	0.76	0.20	0.59
20	---	---	---	---	---	---	---	2.5	1.6	0.65	0.19	0.56
21	---	---	---	---	---	---	---	0.44	1.4	0.55	0.17	0.56
22	---	---	---	---	---	---	0.00	0.00	1.3	0.43	0.16	0.56
23	---	---	---	---	---	---	0.00	0.00	1.3	0.31	0.16	0.47
24	---	---	---	---	---	---	0.00	0.00	1.4	0.24	0.16	0.43
25	---	---	---	---	---	---	0.00	0.08	1.6	0.21	0.16	0.43
26	---	---	---	---	---	---	1.6	0.07	1.6	0.19	0.19	0.43
27	---	---	---	---	---	---	2.0	0.06	1.5	0.18	0.24	0.43
28	---	---	---	---	---	---	3.1	0.05	1.4	0.16	0.32	0.44
29	---	---	---	---	---	---	3.7	0.05	1.2	0.14	0.51	0.57
30	---	---	---	---	---	---	4.0	0.05	1.0	0.15	0.58	1.3
31	---	---	---	---	---	---	---	0.05	---	0.16	0.44	---
Total	0	---	---	---	---	---	14.4	60.75	39.58	14.8	6.87	16.51
Mean	0.000	---	---	---	---	---	1.60	1.96	1.32	0.48	0.22	0.55
Max	0.00	---	---	---	---	---	4.0	4.8	2.1	0.89	0.58	1.3
Min	0.00	---	---	---	---	---	0.00	0.00	0.06	0.14	0.14	0.43
AC-FT	0	---	---	---	---	---	29	120	79	29	14	33
CAL YEAR	2013	TOTAL	143	MEAN	0.97	MAX	4.0	MIN	0.00	AC-FT	284	
WTR YEAR	2014	TOTAL	153	MEAN	0.94	MAX	5.0	MIN	0.00	AC-FT	303	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

81000 Lichte Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCT 2013
TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	De-c-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
5	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
21	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
23	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
25	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
26	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
28	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
Total	---	---	---	---	---	---	---	0	0	0	0	0
Mean	---	---	---	---	---	---	---	0.000	0.000	0.000	0.000	0.000
Max	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
Min	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	---	---	---	---	---	---	---	0	0	0	0	0
CAL YEAR	2013	TOTAL	0	MEAN	0.00 0	MAX	0.0	MIN	0.00	AC-FT	0.00	
WTR YEAR	2014	TOTAL	0	MEAN	0.00 0	MAX	0.0	MIN	0.00	AC-FT	0.00	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

84000 McGinley-Stover Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	0.00	0.00	0.32	2.1	0.01
2	---	---	---	---	---	---	---	0.00	1.6	2.2	2.0	0.00
3	---	---	---	---	---	---	---	0.00	4.8	2.2	1.9	0.00
4	---	---	---	---	---	---	---	0.00	3.4	0.65	1.9	0.00
5	---	---	---	---	---	---	---	0.00	3.1	0.83	2.0	0.00
6	---	---	---	---	---	---	---	0.00	2.9	1.9	2.1	0.00
7	---	---	---	---	---	---	---	0.00	2.9	1.8	0.80	0.00
8	---	---	---	---	---	---	---	0.00	2.9	1.7	0.09	0.00
9	---	---	---	---	---	---	---	0.00	3.0	1.7	0.06	0.00
10	---	---	---	---	---	---	---	0.00	2.9	1.8	0.05	0.00
11	---	---	---	---	---	---	---	0.00	2.8	2.0	1.0	0.00
12	---	---	---	---	---	---	---	0.00	2.8	2.0	1.8	0.00
13	---	---	---	---	---	---	---	0.00	2.7	2.1	1.8	0.00
14	---	---	---	---	---	---	---	0.00	2.6	2.1	1.9	0.00
15	---	---	---	---	---	---	---	0.00	2.6	2.0	1.9	0.00
16	---	---	---	---	---	---	---	0.00	2.6	1.9	1.8	0.00
17	---	---	---	---	---	---	---	0.00	2.5	2.0	1.7	0.57
18	---	---	---	---	---	---	---	0.00	2.4	1.9	1.7	2.4
19	---	---	---	---	---	---	---	0.00	2.3	1.9	1.7	2.4
20	---	---	---	---	---	---	---	0.00	0.86	0.63	1.6	2.6
21	---	---	---	---	---	---	---	0.00	0.13	0.02	1.6	2.8
22	---	---	---	---	---	---	0.00	0.00	0.09	0.00	1.5	2.3
23	---	---	---	---	---	---	0.00	0.00	0.05	0.00	1.8	2.4
24	---	---	---	---	---	---	0.00	0.00	0.02	0.00	1.7	2.4
25	---	---	---	---	---	---	0.00	0.00	0.00	0.00	1.7	0.90
26	---	---	---	---	---	---	0.00	0.00	0.00	0.00	1.8	0.09
27	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.65	0.05
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.01	0.03
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.02
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.02
31	---	---	---	---	---	---	---	0.00	---	0.24	0.00	---
Total	0	---	---	---	---	---	0	0	51.95	33.89	40.66	18.99
Mean	0.000	---	---	---	---	---	0.000	0.00	1.74	1.09	1.31	0.63
Max	0.00	---	---	---	---	---	0.00	0.00	4.8	2.2	2.1	2.8
Min	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0	---	---	---	---	---	0	0	103	67	81	38
CAL YEAR	2013	TOTAL	123	MEAN	0.83	MAX	4.0	MIN	0.00	AC-FT	245	
WTR YEAR	2014	TOTAL	145	MEAN	0.89	MAX	5.0	MIN	0.00	AC-FT	289	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

86000 McLaughlin Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCT
2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	2.1	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	2.1	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	2.2	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	3.9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	1.6	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	0.03	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
8	2.1	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
9	3.9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
10	7.4	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
11	7.7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
12	6.7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
13	6.7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
14	5.6	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
15	5.6	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
28	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
Total	57.63	---	---	---	---	---	---	0	0	0	0	0
Mean	3.83	---	---	---	---	---	---	0.000	0.000	0.000	0.000	0.000
Max	7.7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
Min	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	114	---	---	---	---	---	---	0	0	0	0	0
CAL YEAR	2013	TOTAL	248	MEAN	1.43	MAX	9.0	MIN	0.00	AC-FT	492	
WTR YEAR	2014	TOTAL	58	MEAN	0.35	MAX	8.0	MIN	0.00	AC-FT	114	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

89000 Mettlen Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCT 2013
TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.58	0.00
2	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.33	0.00
3	---	---	---	---	---	---	---	0.00	0.00	0.00	0.19	0.00
4	---	---	---	---	---	---	---	0.00	0.00	0.00	0.19	0.00
5	---	---	---	---	---	---	---	0.00	0.00	0.00	0.32	0.00
6	---	---	---	---	---	---	---	0.00	0.00	0.00	0.58	0.00
7	---	---	---	---	---	---	---	0.00	0.00	0.00	0.47	0.00
8	---	---	---	---	---	---	---	0.00	0.00	0.00	0.51	0.00
9	---	---	---	---	---	---	---	0.00	0.00	0.00	0.65	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.28	0.00
11	---	---	---	---	---	---	0.00	0.00	0.00	0.42	0.16	0.00
12	---	---	---	---	---	---	0.00	0.00	0.00	1.7	0.16	0.00
13	---	---	---	---	---	---	0.00	0.00	0.00	2.0	0.18	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	2.7	0.17	0.00
15	---	---	---	---	---	---	0.00	0.00	0.00	2.4	0.15	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	2.2	0.11	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	2.5	0.09	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	3.4	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	3.8	0.00	---
20	---	---	---	---	---	---	0.00	0.00	0.00	4.0	0.00	---
21	---	---	---	---	---	---	0.00	0.00	0.00	3.9	0.00	---
22	---	---	---	---	---	---	0.00	0.00	0.00	3.6	0.00	---
23	---	---	---	---	---	---	0.00	0.00	0.00	3.3	0.00	---
24	---	---	---	---	---	---	0.00	0.00	0.00	3.1	0.00	---
25	---	---	---	---	---	---	0.00	0.00	0.00	2.8	0.00	---
26	---	---	---	---	---	---	0.00	0.00	0.00	2.8	0.00	---
27	---	---	---	---	---	---	0.00	0.00	0.00	2.6	0.00	---
28	---	---	---	---	---	---	0.00	0.00	0.00	2.7	0.00	---
29	---	---	---	---	---	---	0.00	0.00	0.00	1.8	0.00	---
30	---	---	---	---	---	---	0.00	0.00	0.00	0.71	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.63	0.00	---
Total	0	---	---	---	---	---	0	0	0	53.06	5.12	0
Mean	0.000	---	---	---	---	---	0.000	0.000	0.000	1.71	0.17	0.000
Max	0.00	---	---	---	---	---	0.00	0.00	0.00	4.0	0.65	0.00
Min	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0	---	---	---	---	---	0	0	0	105	10	0
CAL YEAR	2013	TOTAL	102	MEAN	0.65	MAX	5.0	MIN	0.00	AC-FT	203	
WTR YEAR	2014	TOTAL	58	MEAN	0.35	MAX	4.0	MIN	0.00	AC-FT	115	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

102000 Montague Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCT 2013
TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Total	0	---	---	---	---	---	---	---	---	---	---	---
Mean	0.000	---	---	---	---	---	---	---	---	---	---	---
Max	0.00	---	---	---	---	---	---	---	---	---	---	---
Min	0.00	---	---	---	---	---	---	---	---	---	---	---
AC-FT	0	---	---	---	---	---	---	---	---	---	---	---
CAL YEAR	2013	TOTAL	0	MEAN	0.000	MAX	0.0	MIN	0.00	AC-FT	0.00	
WTR YEAR	2014	TOTAL	0	MEAN	0.000	MAX	0.0	MIN	0.00	AC-FT	0.00	

2014 ANNUAL REPORT FO THE DEPARTMENT OF NATURAL RESOURCES
UPPER NIOBRARA WHITE IMP

104000 Moore-Kay Canal from Niobrara River
DISCHARGE, CUBIC FEET PER SECOND,
WATER YEAR OCT 2013 TO SEP 2014
Daily Mean Values

Day	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	0.00	---	---	---	---	---	---	2.0	1.6	0.00	0.00	0.00
2	0.00	---	---	---	---	---	---	1.8	1.6	0.00	0.00	0.00
3	---	---	---	---	---	---	---	1.6	1.3	0.00	0.00	0.00
4	---	---	---	---	---	---	---	1.4	1.2	0.00	0.00	0.00
5	---	---	---	---	---	---	---	1.4	1.0	0.00	0.00	0.00
6	---	---	---	---	---	---	---	1.5	0.68	0.00	0.00	0.00
7	---	---	---	---	---	---	---	1.7	0.34	0.00	0.00	0.00
8	---	---	---	---	---	---	---	3.3	0.18	0.00	0.00	0.00
9	---	---	---	---	---	---	---	3.6	0.12	0.00	0.00	0.00
10	---	---	---	---	---	---	---	3.3	0.01	0.00	0.00	0.00
11	---	---	---	---	---	---	---	3.9	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	---	4.7	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	---	4.3	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	---	3.7	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	---	3.2	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	3.0	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	2.8	2.8	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	2.6	2.7	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	2.3	2.5	0.00	0.00	0.00	---
20	---	---	---	---	---	---	2.1	2.5	0.00	0.00	0.00	---
21	---	---	---	---	---	---	1.9	2.7	0.00	0.00	0.00	---
22	---	---	---	---	---	---	1.8	2.6	0.00	0.00	0.00	---
23	---	---	---	---	---	---	1.7	2.5	0.00	0.00	0.00	---
24	---	---	---	---	---	---	1.6	2.4	0.00	0.00	0.00	---
25	---	---	---	---	---	---	1.5	2.3	0.00	0.00	0.00	---
26	---	---	---	---	---	---	1.4	2.3	0.00	0.00	0.00	---
27	---	---	---	---	---	---	1.5	2.1	0.00	0.00	0.00	---
28	---	---	---	---	---	---	2.4	1.7	0.00	0.00	0.00	---
29	---	---	---	---	---	---	2.2	1.4	0.00	0.00	0.00	---
30	---	---	---	---	---	---	2.2	1.3	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	1.4	---	0.00	0.00	---
Total	0	---	---	---	---	---	28	77.6	8.03	0	0	0
Mean	0.000	---	---	---	---	---	2.00	2.50	0.27	0.00	0.000	0.000
Max	0.00	---	---	---	---	---	2.8	4.7	1.6	0.00	0.00	0.00
Min	0.00	---	---	---	---	---	1.4	1.3	0.00	0.00	0.00	0.00
AC-FT	0	---	---	---	---	---	56	154	16	0	0	0
CAL YEAR	2013	TOTAL	0	MEAN	0.00	MAX	0.0	MIN	0.00	AC-FT	0.00	
WTR YEAR	2014	TOTAL	114	MEAN	0.72	MAX	5.0	MIN	0.00	AC-FT	225	

Appendix B

Non-Gaged Stream Measurements

2014 ANNUAL REPORT OF THE DEPARTMENT OF NATURAL RESOURCES

Date	Site Number	Site Name	Discharge
9/3/2013	6400	Armstrong Pump fr Niobrara River	0
9/10/2013	6400	Armstrong Pump fr Niobrara River	0
9/17/2013	6400	Armstrong Pump fr Niobrara River	0
10/2/2013	6400	Armstrong Pump fr Niobrara River	0
5/5/2014	6400	Armstrong Pump fr Niobrara River	2.41
6/10/2014	6400	Armstrong Pump fr Niobrara River	
6/17/2014	6400	Armstrong Pump fr Niobrara River	
7/8/2014	6400	Armstrong Pump fr Niobrara River	
7/15/2014	6400	Armstrong Pump fr Niobrara River	
7/22/2014	6400	Armstrong Pump fr Niobrara River	
7/29/2014	6400	Armstrong Pump fr Niobrara River	0
8/5/2014	6400	Armstrong Pump fr Niobrara River	0
8/12/2014	6400	Armstrong Pump fr Niobrara River	0
8/19/2014	6400	Armstrong Pump fr Niobrara River	0
8/28/2014	6400	Armstrong Pump fr Niobrara River	0
9/18/2014	6400	Armstrong Pump fr Niobrara River	0
9/23/2013	6050	Big Monroe Canal fr Monroe Creek	0
9/11/2013	6065	Buckley Pump fr White River	
10/23/2013	6015	Coffee Flood Canal fr Hat Creek	0
9/3/2013	6380	Cook Pump fr Niobrara River	0
9/10/2013	6380	Cook Pump fr Niobrara River	1.44
9/17/2013	6380	Cook Pump fr Niobrara River	
5/22/2014	6380	Cook Pump fr Niobrara River	
6/4/2014	6380	Cook Pump fr Niobrara River	
6/10/2014	6380	Cook Pump fr Niobrara River	
6/17/2014	6380	Cook Pump fr Niobrara River	
7/2/2014	6380	Cook Pump fr Niobrara River	
7/8/2014	6380	Cook Pump fr Niobrara River	1.53
7/15/2014	6380	Cook Pump fr Niobrara River	1.53
7/22/2014	6380	Cook Pump fr Niobrara River	
7/29/2014	6380	Cook Pump fr Niobrara River	0
8/5/2014	6380	Cook Pump fr Niobrara River	1.44
8/12/2014	6380	Cook Pump fr Niobrara River	0
8/19/2014	6380	Cook Pump fr Niobrara River	0
9/2/2014	6380	Cook Pump fr Niobrara River	0
9/11/2013	6090	Crawford City Park Pump fr White River	
7/9/2014	3655	Deadman Creek above city diversion	1.23
7/9/2014	3280	Deep Creek near Glen	0.48

2014 ANNUAL REPORT OF THE DEPARTMENT OF NATURAL RESOURCES

Date	Site Number	Site Name	Discharge
9/13/2013	6440	Delsing Pump fr Niobrara River	0
9/19/2013	6440	Delsing Pump fr Niobrara River	0
6/26/2014	6440	Delsing Pump fr Niobrara River	
7/10/2014	6440	Delsing Pump fr Niobrara River	
7/17/2014	6440	Delsing Pump fr Niobrara River	
7/24/2014	6440	Delsing Pump fr Niobrara River	
8/11/2014	6440	Delsing Pump fr Niobrara River	2.5
8/26/2014	6440	Delsing Pump fr Niobrara River	0
9/4/2014	6440	Delsing Pump fr Niobrara River	0
9/16/2014	6440	Delsing Pump fr Niobrara River	0
7/10/2014	6435	Enterprise Pump fr Niobrara River	
9/4/2014	6435	Enterprise Pump fr Niobrara River	0
9/12/2013	6205	Hageman Canal fr White River	0
7/21/2014	6130	Harris-Cooper Canal fr White River	8.74
9/30/2013	3250	Hat Creek near Ardmore, South Dakota	0
10/1/2013	6365	Hoover Pump fr Niobrara River	0
9/23/2013	3110	Jim Creek @ junction w/ Warbonnett Cr	0
9/30/2013	3110	Jim Creek @ junction w/ Warbonnett Cr	0
9/13/2013	6255	Logan Pump fr White River	0
9/30/2013	3160	Monroe Creek above Jordan Reservoir	0
9/19/2013	6445	Montague Canal Pump fr Niobrara River	0
7/10/2014	6445	Montague Canal Pump fr Niobrara River	0
7/17/2014	6445	Montague Canal Pump fr Niobrara River	0
7/24/2014	6445	Montague Canal Pump fr Niobrara River	0
8/26/2014	6445	Montague Canal Pump fr Niobrara River	0
9/4/2014	6445	Montague Canal Pump fr Niobrara River	0
9/16/2014	6445	Montague Canal Pump fr Niobrara River	0
9/9/2013	3750	Niobrara River at old Dunlap Bridge	9.27
9/10/2013	3750	Niobrara River at old Dunlap Bridge	34.9
5/6/2014	3750	Niobrara River at old Dunlap Bridge	9.97
6/26/2014	3750	Niobrara River at old Dunlap Bridge	23.75
8/13/2014	3755	Niobrara River below Mirage Flats Diversion	3.71
8/13/2014	3755	Niobrara River below Mirage Flats Diversion	1.41
8/26/2014	3755	Niobrara River below Mirage Flats Diversion	3.79
9/6/2013	6020	Old Sow Belly Canal fr Sow Belly Creek	0
9/5/2013	6425	Pioneer Pump #2 fr Niobrara River	0
6/12/2014	6425	Pioneer Pump #2 fr Niobrara River	
7/17/2014	6425	Pioneer Pump #2 fr Niobrara River	
7/24/2014	6425	Pioneer Pump #2 fr Niobrara River	0
8/7/2014	6425	Pioneer Pump #2 fr Niobrara River	0

2014 ANNUAL REPORT OF THE DEPARTMENT OF NATURAL RESOURCES

Date	Site Number	Site Name	Discharge
9/4/2014	6425	Pioneer Pump #2 fr Niobrara River	0
9/12/2013	6250	Schumacher Pump fr White River	0
9/12/2013	6260	Schumacher Pump fr White River	0
9/12/2013	6260	Schumacher Pump fr White River	0
6/23/2014	3345	Soldier Creek Mouth at White River	2.53
9/30/2013	3170	Sow Belly Creek below Jim Creek Junction	0
9/10/2013	3580	White River @ Hwy 385 north of Chadron	0.6
7/9/2014	3320	White River at Andrew's	1.38
7/9/2014	3285	White River at Kreman Crossing	12
9/10/2013	3415	White River at Whitney	0.92
7/21/2014	6105	White River Canal fr White River	7.75
9/10/2013	3625	White River near state line	3.29
7/18/2014	6165	Whitney Pipeline fr White River	0
3/20/2014	6149	Whitney Reservoir	
4/21/2014	6149	Whitney Reservoir	
6/2/2014	6149	Whitney Reservoir	10925
7/18/2014	6149	Whitney Reservoir	
8/21/2014	6149	Whitney Reservoir	
9/5/2013	6430	Wilkins Pump fr Niobrara River	0
9/19/2013	6430	Wilkins Pump fr Niobrara River	0.5
6/12/2014	6430	Wilkins Pump fr Niobrara River	0
7/17/2014	6430	Wilkins Pump fr Niobrara River	0
7/24/2014	6430	Wilkins Pump fr Niobrara River	0
8/14/2014	6430	Wilkins Pump fr Niobrara River	0
8/26/2014	6430	Wilkins Pump fr Niobrara River	0.53
9/4/2014	6430	Wilkins Pump fr Niobrara River	0