



North Dakota State Water Commission

900 EAST BOULEVARD AVENUE, DEPT 770 • BISMARCK, NORTH DAKOTA 58505-0850
701-328-2750 • TTY 800-366-6888 • FAX 701-328-3696 • INTERNET: <http://swc.nd.gov>

October 02, 2013

North Dakota Department of Health
Division of Water Quality
918 East Divide Avenue
Bismarck, ND 58501-1947

RE: Augst 2013 Devils Lake Outlets Monthly Discharge and Water Quality Report

Enclosed are the monthly discharge reports for the Devils Lake Outlets for the month of August 2013 and summaries of water quality sample results and flow data. Both outlets were operated at full capacity (600 cfs) throughout the reporting period.

The attached tables contain average daily outlet discharges and water quality results from samples collected from the outlets and the corresponding upstream and downstream locations. Also included are average daily stream flow data and conductivity data obtained from the USGS gaging stations located upstream and downstream of the outlets.

If you have any questions, please contact me at 701-328-4948.

Sincerely,

A handwritten signature in blue ink that reads "Jon Kelsch".

Jonathan Kelsch P.E.
Head, Construction Section
JK:MSW:416-10

OUTLET OPERATOR NAME/ADDRESS

NAME: ND State Water Commission
 ADDRESS: 900 E Boulevard Avenue,
 Bismarck ND 58505

MONTHLY DISCHARGE REPORT


LOCATION: WEST END OUTLET

FACILITY: Devils Lake Outlet Project

MONITORING PERIOD	
START DATE	END DATE
8/1/13	8/31/13

LOCATION: Benson Co, ND

Devils Lake West Outlet discharged 15,566 ac-ft over 31 Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.55	8.82	8.69	SU	2 x Week	GRAB
SPECIFIC CONDUCTANCE	NA	NA	NA	µS/cm	Continuous	Recorder
SULFATE	525	572	547	mg/L	2 x Week	GRAB
7 DAY AVERAGE OF SULFATE	544	572	551	mg/L	2 x Week	GRAB
OUTLET DISCHARGE	207	262	253	cfs	Continuous	Recorder
SIGNATURE				10/2/13	701-328-4948	
NAME AND TITLE	JONATHAN KELSCH, HEAD, CONSTRUCTION SECTION			DATE	TELEPHONE NUMBER	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

Summary of individual sample results and flow data for outlet, upstream & downstream monitoring locations attached.

Notes:

- ac-ft - Acre feet
- SU - Standard Units
- µS/cm - Microsiemens per Centimeter at 25 degrees Celsius
- mg/L - Milligrams per liter or parts per million
- cfs - Cubic feet per second
- NA - Not available

OUTLET OPERATOR NAME/ADDRESS

NAME: ND State Water Commission
 ADDRESS: 900 E Boulevard Avenue,
 Bismarck ND 58505

MONTHLY DISCHARGE REPORT


LOCATION: EAST END OUTLET

FACILITY: Devils Lake Outlet Project

MONITORING PERIOD	
START DATE	END DATE
8/1/13	8/31/13

LOCATION: Ramsey, Benson, Nelson, ND

Devils Lake East Outlet discharged 22,509 ac-ft over 31 Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.53	8.75	8.68	SU	2 x Week	GRAB
SPECIFIC CONDUCTANCE	NA	NA	NA	µS/cm	Continuous	Recorder
SULFATE	900	971	941	mg/L	2 x Week	GRAB
7 DAY AVERAGE OF SULFATE	933	971	946	mg/L	2 x Week	GRAB
OUTLET DISCHARGE	355	372	366	cfs	Continuous	Recorder
SIGNATURE				10/2/13	701-328-4948	
NAME AND TITLE	JONATHAN KELSCH, HEAD, CONSTRUCTION SECTION			DATE	TELEPHONE NUMBER	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

Summary of individual sample results and flow data for outlet, upstream & downstream monitoring locations attached.

Notes:

- ac-ft - Acre feet
- SU - Standard Units
- µS/cm - Microsiemens per Centimeter at 25 degrees Celsius
- mg/L - Milligrams per liter or parts per million
- cfs - Cubic feet per second
- NA - Not available

OUTLET OPERATOR NAME/ADDRESS

NAME: ND State Water Commission
 ADDRESS: 900 E Boulevard Avenue,
 Bismarck ND 58505

MONTHLY DISCHARGE REPORT

LOCATION: UPSTREAM OF THE WEST END OUTLET (FLORA)

FACILITY: Devils Lake Outlet Project

MONITORING PERIOD	
START DATE	END DATE
8/1/13	8/31/13

LOCATION: Benson Co, ND

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.29	8.45	8.35	SU	2 x Week	GRAB
SPECIFIC CONDUCTANCE	1,510	1,620	1,565	µS/cm	Continuous	Recorder
SULFATE	265	288	272	mg/L	2 x Week	GRAB
7 DAY AVERAGE OF SULFATE	268	291	274	mg/L	2 x Week	GRAB
FLOW, INSTREAM	62	119	95	cfs	Continuous	Recorder
SIGNATURE	<i>Jon Kelsch</i>			10/2/13	701-328-4948	
NAME AND TITLE	JONATHAN KELSCH, HEAD, CONSTRUCTION SECTION			DATE	TELEPHONE NUMBER	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

Summary of individual sample results and flow data for outlet, upstream & downstream monitoring locations attached.

Notes:

- SU - Standard Units
- µS/cm - Microsiemens per Centimeter at 25 degrees Celsius
- mg/L - Milligrams per liter or parts per million
- cfs - Cubic feet per second
- USGS streamflow and specific conductance data courtesy of the USGS
- USGS data are provisional and subject to revision

OUTLET OPERATOR NAME/ADDRESS

NAME: ND State Water Commission
 ADDRESS: 900 E Boulevard Avenue,
 Bismarck ND 58505


MONTHLY DISCHARGE REPORT

LOCATION: DOWNSTREAM OF THE WEST END OUTLET (BREMEN)
 UPSTREAM OF THE EAST END OUTLET

FACILITY: Devils Lake Outlet Project

LOCATION: Eddy Co, ND

MONITORING PERIOD	
START DATE	END DATE
8/1/13	8/31/13

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.43	8.68	8.56	SU	2 x Week	GRAB
SPECIFIC CONDUCTANCE	1,740	1,810	1,783	µS/cm	Continuous	Recorder
SULFATE	453	472	462	mg/L	2 x Week	GRAB
7 DAY AVERAGE OF SULFATE	454	467	460	mg/L	2 x Week	GRAB
FLOW, INSTREAM	289	363	335	cfs	Continuous	Recorder
SIGNATURE				10/2/13	701-328-4948	
NAME AND TITLE	JONATHAN KELSCH, HEAD, CONSTRUCTION SECTION			DATE	TELEPHONE NUMBER	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

Summary of individual sample results and flow data for outlet, upstream & downstream monitoring locations attached.

Notes:

- SU - Standard Units
- µS/cm - Microsiemens per Centimeter at 25 degrees Celsius
- mg/L - Milligrams per liter or parts per million
- cfs - Cubic feet per second
- USGS streamflow and specific conductance data courtesy of the USGS
- USGS data are provisional and subject to revision

OUTLET OPERATOR NAME/ADDRESS

NAME: ND State Water Commission
 ADDRESS: 900 E Boulevard Avenue,
 Bismarck ND 58505


MONTHLY DISCHARGE REPORT

LOCATION: DOWNSTREAM OF THE EAST END OUTLET (PEKIN)

FACILITY: Devils Lake Outlet Project

MONITORING PERIOD	
START DATE	END DATE
8/1/13	8/31/13

LOCATION: Nelson Co, ND

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.44	8.61	8.55	SU	2 x Week	GRAB
SPECIFIC CONDUCTANCE	NA	NA	NA	µS/cm	Continuous	Recorder
SULFATE	624	731	687	mg/L	2 x Week	GRAB
7 DAY AVERAGE OF SULFATE	665	731	693	mg/L	2 x Week	GRAB
FLOW, INSTREAM	NA	NA	NA	cfs	Continuous	Recorder
SIGNATURE				10/2/13	701-328-4948	
NAME AND TITLE				JONATHAN KELSCH, HEAD, CONSTRUCTION SECTION		

COMMENT AND EXPLANATION OF ANY VIOLATIONS

Summary of individual sample results and flow data for outlet, upstream & downstream monitoring locations attached.

Notes:

- SU - Standard Units
- µS/cm - Microsiemens per Centimeter at 25 degrees Celsius
- mg/L - Milligrams per liter or parts per million
- cfs - Cubic feet per second
- NA - Not available

Daily Outlet Discharge and Upstream and Downstream Flows Devils Lake Outlets

Date	Above West End Outlet - Sheyenne River near Flora		West End Outlet		Below West End Outlet/Above East End Outlet -Sheyenne River near Bremen		East End Outlet		Below East End Outlet - Tolna Coulee near Tolna		Below East End Outlet - Sheyenne River near Cooperstown	
	Average Streamflow USGS Gage (cfs)	Average Specific Conductance USGS Gage (µS/cm)	Average Daily Outlet Discharge (cfs)	Total Daily Volume (ft ³)	Average Streamflow USGS Gage (cfs)	Average Specific Conductance USGS Gage (µS/cm)	Average Daily Outlet Discharge (cfs)	Total Daily Volume (ft ³)	Average Streamflow USGS Gage (cfs)	Average Specific Conductance USGS Gage (µS/cm)	Average Streamflow USGS Gage (cfs)	Average Specific Conductance USGS Gage (µS/cm)
8/1/13	110	1,550	258	22,275,000	351	1,750	369	31,870,000	346	2,610	668	2,470
8/2/13	114	1,550	260	22,447,000	353	1,760	372	32,147,000	354	2,700	704	2,400
8/3/13	117	1,540	261	22,538,000	358	1,750	372	32,169,000	348	2,620	721	2,340
8/4/13	119	1,530	260	22,456,000	361	1,740	363	31,333,000	342	2,680	731	2,290
8/5/13	118	1,520	259	22,352,000	363	1,750	372	32,163,000	341	2,660	734	2,320
8/6/13	118	1,510	258	22,326,000	363	1,760	371	32,074,000	333	2,720	733	2,340
8/7/13	116	1,510	250	21,562,000	363	1,770	371	32,056,000	328	2,680	730	2,340
8/8/13	117	1,510	259	22,353,000	355	1,770	370	31,958,000	327	2,640	730	2,340
8/9/13	114	1,520	258	22,331,000	358	1,770	368	31,774,000	326	2,670	733	2,350
8/10/13	112	1,540	258	22,334,000	356	1,770	367	31,746,000	327	2,610	741	2,340
8/11/13	110	1,540	259	22,347,000	357	1,780	367	31,742,000	336	2,630	746	2,330
8/12/13	106	1,550	259	22,372,000	355	1,780	366	31,599,000	333	2,740	748	2,320
8/13/13	103	1,560	260	22,426,000	350	1,780	367	31,751,000	323	2,860	747	2,320
8/14/13	100	1,550	259	22,414,000	348	1,780	367	31,722,000	338	2,860	745	2,320
8/15/13	98	1,560	260	22,430,000	346	1,790	367	31,700,000	343	2,860	744	2,320
8/16/13	96	1,560	259	22,395,000	342	1,790	366	31,603,000	337	2,850	742	2,310
8/17/13	93	1,570	258	22,281,000	339	1,790	366	31,582,000	334	2,840	740	2,320
8/18/13	90	1,570	243	20,971,000	337	1,800	366	31,599,000	335	2,840	740	2,320
8/19/13	81	1,590	207	17,889,000	301	1,800	366	31,610,000	332	2,840	739	2,320
8/20/13	86	1,600	249	21,476,000	301	1,780	364	31,458,000	332	2,840	735	2,310
8/21/13	77	1,600	250	21,631,000	310	1,790	362	31,289,000	330	2,830	730	2,310
8/22/13	83	1,600	259	22,389,000	315	1,800	365	31,495,000	326	2,830	728	2,310
8/23/13	86	1,590	261	22,523,000	320	1,800	365	31,552,000	326	2,820	723	2,310
8/24/13	82	1,590	260	22,450,000	322	1,810	365	31,559,000	325	2,810	717	2,330
8/25/13	78	1,600	260	22,493,000	317	1,810	365	31,538,000	322	2,800	708	2,340
8/26/13	74	1,610	247	21,360,000	313	1,800	365	31,529,000	319	2,790	703	2,340
8/27/13	72	1,610	261	22,547,000	303	1,800	364	31,470,000	313	-	707	2,340
8/28/13	71	1,620	262	22,652,000	311	1,810	363	31,406,000	342	-	712	2,350
8/29/13	73	1,600	222	19,179,000	318	1,810	355	30,666,000	343	2,800	725	2,330
8/30/13	70	1,590	257	22,183,000	289	1,800	362	31,244,000	352	2,790	732	2,320
8/31/13	62	1,570	216	18,658,000	298	1,790	360	31,088,000	356	2,790	730	2,320
Minimum	62	1510	207	17,889,000	289	1740	355	30,666,000	313	2610	668	2290
Maximum	119	1620	262	22,652,000	363	1810	372	32,169,000	356	2860	748	2470
Average	95	1565	253	21,872,258	335	1783	366	31,628,774	334	2759	728	2333
			Total (ft³)	678,040,000			Total (ft³)	980,492,000				
			Total (Mgal)	5,072			Total (Mgal)	7,334				
			Total (Ac-ft)	15,566			Total (Ac-ft)	22,509				

Notes:

- cfs - cubic feet per second
- µS/cm - Microsiemens per Centimeter at 25 degrees Celsius
- ft³ - cubic feet
- Mgal - Millions of Gallons
- Ac ft - Acre Feet
- USGS streamflow and specific conductance data are preliminary and courtesy of the USGS
- NC - Not calculated

**Sheyenne River Upstream of West End Outlet near Flora
Monthly Water Quality Summary
Devils Lake Outlet Discharge Report**

Date	Time	Specific Conductance USGS Gage (μS/cm)	pH	Sulfate (mg/L)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling Average
8/1/13	8:35	1,460	8.30	288	291	NA	7
8/2/13	-	-	-	-	-	-	-
8/3/13	-	-	-	-	-	-	-
8/4/13	-	-	-	-	-	-	-
8/5/13	-	-	-	-	-	-	-
8/6/13	8:00	1,510	8.29	272	280	33	7
8/7/13	-	-	-	-	-	-	-
8/8/13	-	-	-	-	-	-	-
8/9/13	8:30	1,370	8.30	268	270	NA	7
8/10/13	-	-	-	-	-	-	-
8/11/13	-	-	-	-	-	-	-
8/12/13	-	-	-	-	-	-	-
8/13/13	7:55	1,560	8.43	268	268	NA	7
8/14/13	-	-	-	-	-	-	-
8/15/13	-	-	-	-	-	-	-
8/16/13	-	-	-	-	-	-	-
8/17/13	-	-	-	-	-	-	-
8/18/13	-	-	-	-	-	-	-
8/19/13	-	-	-	-	-	-	-
8/20/13	8:20	1,550	8.45	270	270	88	-
8/21/13	-	-	-	-	-	-	-
8/22/13	9:20	1,590	8.35	265	268	NA	7
8/23/13	-	-	-	-	-	-	-
8/24/13	-	-	-	-	-	-	-
8/25/13	-	-	-	-	-	-	-
8/26/13	-	-	-	-	-	-	-
8/27/13	-	-	-	-	-	-	-
8/28/13	-	-	-	-	-	-	-
8/29/13	-	-	-	-	-	-	-
8/30/13	-	-	-	-	-	-	-
8/31/13	-	-	-	-	-	-	-
Minimum		1,370	8.29	265	268	33	
Maximum		1,590	8.45	288	291	88	
Average		1,507	8.35	272	274	61	

Notes:

μ S/cm - Microsiemens per Centimeter at 25 degrees Celsius
mg/L - Milligrams per liter or parts per million
NA - Not Analyzed
USGS specific conductance data courtesy of the USGS
USGS data are provisional and subject to revision
Italic font denotes preliminary result



**West End Outlet
Monthly Water Quality Summary
Devils Lake Outlet Discharge Report**

Date	Time	pH	Sulfate (mg/L)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling Average
8/1/13	8:20	8.67	547	548	NA	7
8/2/13	-	-	-	-	-	-
8/3/13	-	-	-	-	-	-
8/4/13	-	-	-	-	-	-
8/5/13	-	-	-	-	-	-
8/6/13	8:15	8.55	543	545	19	7
8/7/13	-	-	-	-	-	-
8/8/13	-	-	-	-	-	-
8/9/13	8:20	8.67	555	549	NA	7
8/10/13	-	-	-	-	-	-
8/11/13	-	-	-	-	-	-
8/12/13	-	-	-	-	-	-
8/13/13	8:10	8.76	549	552	NA	7
8/14/13	-	-	-	-	-	-
8/15/13	-	-	-	-	-	-
8/16/13	-	-	-	-	-	-
8/17/13	-	-	-	-	-	-
8/18/13	-	-	-	-	-	-
8/19/13	-	-	-	-	-	-
8/20/13	8:20	8.70	572	572	26	7
8/21/13	-	-	-	-	-	-
8/22/13	9:00	8.69	525	549	NA	7
8/23/13	-	-	-	-	-	-
8/24/13	-	-	-	-	-	-
8/25/13	-	-	-	-	-	-
8/26/13	16:00	8.82	536	544	NA	7
8/27/13	-	-	-	-	-	-
8/28/13	-	-	-	-	-	-
8/29/13	-	-	-	-	-	-
8/30/13	-	-	-	-	-	-
8/31/13	-	-	-	-	-	-
Minimum		8.55	525	544	19	
Maximum		8.82	572	572	26	
Average		8.69	547	551	22.5	

Notes:

mg/L - Milligrams per liter or parts per million

NA - Not Analyzed

Italic font denotes preliminary result



**Sheyenne River Downstream of West End Outlet/Upstream of East End Outlet near Bremen
Monthly Water Quality Summary
Devils Lake Outlet Discharge Report**

Date	Time	Specific Conductance USGS Gage (µS/cm)	pH	Sulfate (mg/L)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling Average
8/1/13	8:55	1,740	8.55	468	467	NA	7
8/2/13	-	-	-	-	-	-	-
8/3/13	-	-	-	-	-	-	-
8/4/13	-	-	-	-	-	-	-
8/5/13	-	-	-	-	-	-	-
8/6/13	7:40	1,740	8.43	455	462	39	7
8/7/13	-	-	-	-	-	-	-
8/8/13	-	-	-	-	-	-	-
8/9/13	8:50	1,750	8.56	453	454	NA	7
8/10/13	-	-	-	-	-	-	-
8/11/13	-	-	-	-	-	-	-
8/12/13	-	-	-	-	-	-	-
8/13/13	7:30	1,780	8.60	470	462	NA	7
8/14/13	-	-	-	-	-	-	-
8/15/13	-	-	-	-	-	-	-
8/16/13	-	-	-	-	-	-	-
8/17/13	-	-	-	-	-	-	-
8/18/13	-	-	-	-	-	-	-
8/19/13	-	-	-	-	-	-	-
8/20/13	7:40	1,780	8.53	456	456	85	7
8/21/13	-	-	-	-	-	-	-
8/22/13	9:40	1,800	8.60	458	457	NA	7
8/23/13	-	-	-	-	-	-	-
8/24/13	-	-	-	-	-	-	-
8/25/13	-	-	-	-	-	-	-
8/26/13	16:30	1,800	8.68	472	462	NA	7
8/27/13	-	-	-	-	-	-	-
8/28/13	-	-	-	-	-	-	-
8/29/13	-	-	-	-	-	-	-
8/30/13	-	-	-	-	-	-	-
8/31/13	-	-	-	-	-	-	-
Minimum		1,740	8.43	453	454	39	
Maximum		1,800	8.68	472	467	85	
Average		1,770	8.56	462	460	62	

Notes:

µS/cm - Microsiemens per Centimeter at 25 degrees Celsius
 mg/L - Milligrams per liter or parts per million
 NA - Not Analyzed
 USGS specific conductance data courtesy of the USGS
 USGS data are provisional and subject to revision
 Italic font denotes preliminary result



**East End Outlet
Monthly Water Quality Summary
Devils Lake Outlet Discharge Report**

Date	Time	pH	Sulfate (mg/L)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling Average
8/1/13	10:17	8.71	946	941	NA	7
8/2/13	-	-	-	-	-	-
8/3/13	-	-	-	-	-	-
8/4/13	-	-	-	-	-	-
8/5/13	-	-	-	-	-	-
8/6/13	9:30	8.53	946	946	8	7
8/7/13	-	-	-	-	-	-
8/8/13	-	-	-	-	-	-
8/9/13	10:19	8.71	943	945	NA	7
8/10/13	-	-	-	-	-	-
8/11/13	-	-	-	-	-	-
8/12/13	-	-	-	-	-	-
8/13/13	9:15	8.66	954	949	NA	7
8/14/13	-	-	-	-	-	-
8/15/13	-	-	-	-	-	-
8/16/13	-	-	-	-	-	-
8/17/13	-	-	-	-	-	-
8/18/13	-	-	-	-	-	-
8/19/13	-	-	-	-	-	-
8/20/13	9:45	8.69	971	971	6	7
8/21/13	-	-	-	-	-	-
8/22/13	10:50	8.74	900	936	NA	7
8/23/13	-	-	-	-	-	-
8/24/13	-	-	-	-	-	-
8/25/13	-	-	-	-	-	-
8/26/13	11:00	8.75	929	933	NA	7
8/27/13	-	-	-	-	-	-
8/28/13	-	-	-	-	-	-
8/29/13	-	-	-	-	-	-
8/30/13	-	-	-	-	-	-
8/31/13	-	-	-	-	-	-
Minimum		8.53	900	933	6	
Maximum		8.75	971	971	8	
Average		8.68	941	946	7	

Notes:

mg/L - Milligrams per liter or parts per million
 NA - Not Analyzed due to operation constraints
 Italic font denotes preliminary result



**Sheyenne River Downstream of East End Outlet near Pekin
Monthly Water Quality Summary
Devils Lake Outlet Discharge Report**

Date	Time	pH	Sulfate (mg/L)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling Average
8/1/13	10:00	8.49	624	667	NA	7
8/2/13	-	-	-	-	-	-
8/3/13	-	-	-	-	-	-
8/4/13	-	-	-	-	-	-
8/5/13	-	-	-	-	-	-
8/6/13	10:05	8.44	705	665	42	7
8/7/13	-	-	-	-	-	-
8/8/13	-	-	-	-	-	-
8/9/13	9:45	8.54	688	697	NA	7
8/10/13	-	-	-	-	-	-
8/11/13	-	-	-	-	-	-
8/12/13	-	-	-	-	-	-
8/13/13	9:43	8.59	695	692	NA	7
8/14/13	-	-	-	-	-	-
8/15/13	-	-	-	-	-	-
8/16/13	-	-	-	-	-	-
8/17/13	-	-	-	-	-	-
8/18/13	-	-	-	-	-	-
8/19/13	-	-	-	-	-	-
8/20/13	10:10	8.61	731	731	46	-
8/21/13	-	-	-	-	-	-
8/22/13	10:25	8.61	675	703	NA	7
8/23/13	-	-	-	-	-	-
8/24/13	-	-	-	-	-	-
8/25/13	-	-	-	-	-	-
8/26/13	10:30	8.60	692	699	NA	7
8/27/13	-	-	-	-	-	-
8/28/13	-	-	-	-	-	-
8/29/13	-	-	-	-	-	-
8/30/13	-	-	-	-	-	-
8/31/13	-	-	-	-	-	-
Minimum		8.44	624	665	42	
Maximum		8.61	731	731	46	
Average		8.55	687	693	44	

Notes:

mg/L - Milligrams per liter or parts per million

NA - Not Analyzed

Italic font denotes preliminary result

