

July 13, 2026

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

RE: June 2026 Devils Lake Outlets Monthly Discharge and Water Quality Report

Division of Water Quality:

The West End Outlet discharge remained at approximately 175 cubic feet per second (cfs) until June 28, when it was reduced to 100 cfs due to an electrical issue with one of the pumps. The East End Outlet discharge remained at approximately 150 cfs until June 29, when it was reduced to 75 cfs to comply with downstream water quality constraint on the Sheyenne River. The discharge rates noted above are the design pump capacities. The actual discharge measurements recorded by the flow meters are provided in the table below and included in the enclosures.

The table below summarizes the average discharge rate and total discharge volume for the Outlets in June.

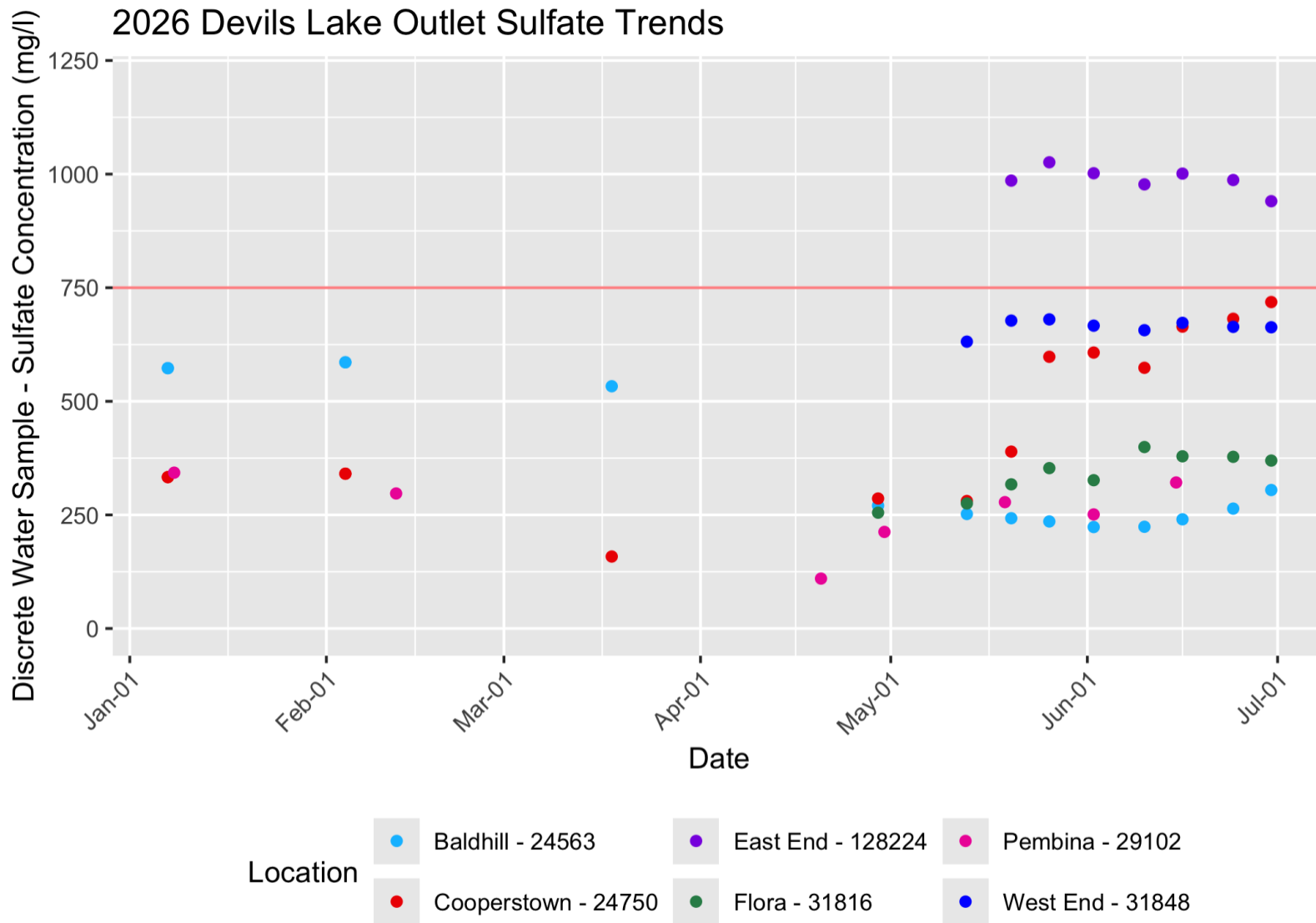
	Average Discharge Rate (cfs)	Total Discharge Volume (acre-feet)
West End Outlet	143	8,486
East End Outlet	147	8,770
Combined Total Discharge Volume (acre-ft)		17,256

The attached figures and tables contain daily outlet discharges measured from the flow meters 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.

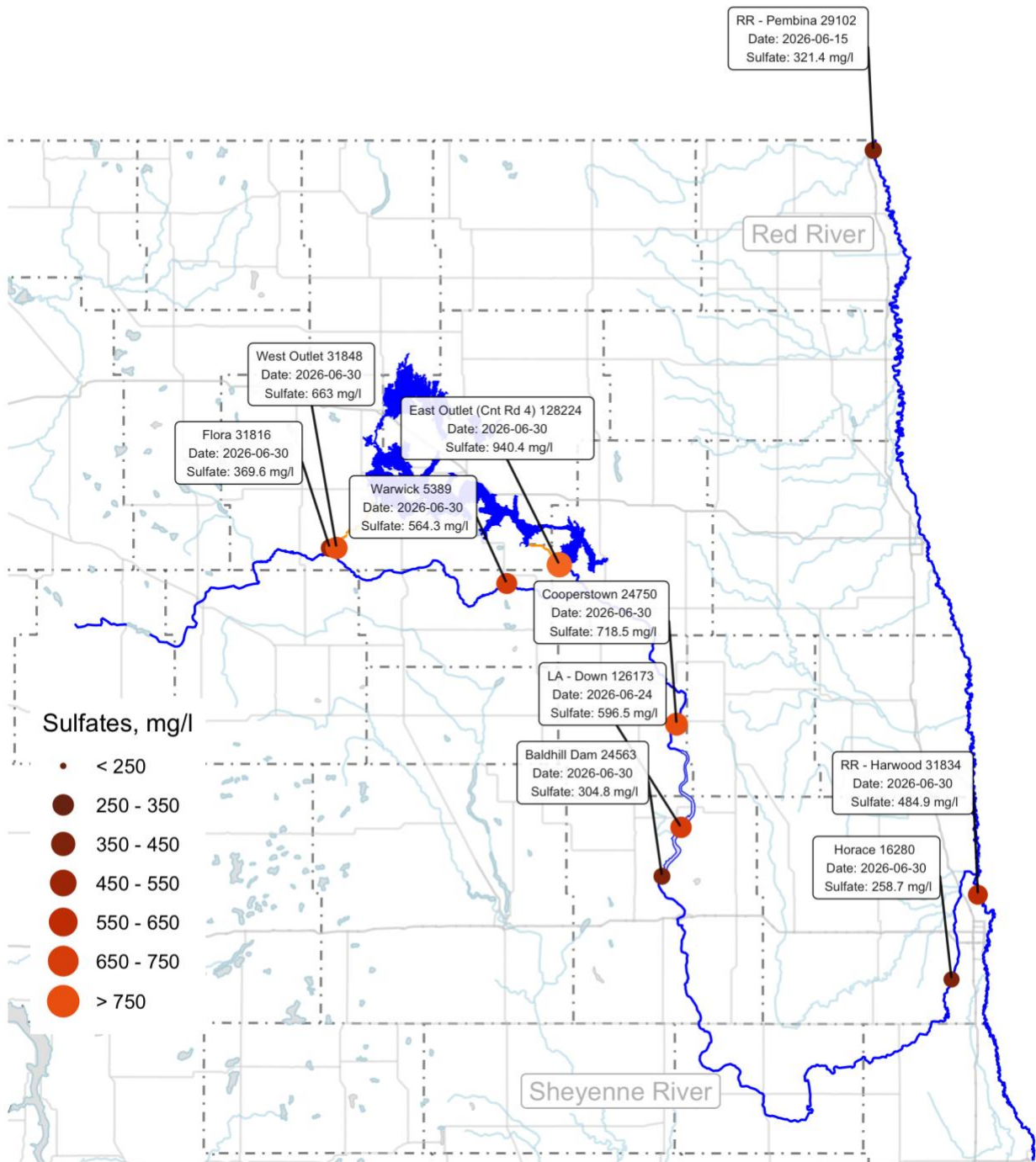
If you have any questions, please contact me at (701) 328-9049.

Sincerely,

Yaping Chi, P.E.
Water Resource Engineer, Water Development Division
YC:/416-10
Enclosure



Devils Lake Outlet Operations Sulfate Concentrations 6/30/26



OUTLET OPERATOR NAME/ADDRESS
NAME: ND Dept. of Water Resources
ADDRESS: 1200 Memorial Highway,
Bismarck ND 58504

MONTHLY DISCHARGE REPORT

LOCATION: WEST END OUTLET

FACILITY: Devils Lake Outlet Project

LOCATION: Benson Co, ND

MONITORING PERIOD	
START DATE	END DATE
6/1/26	6/30/26

Devils Lake West Outlet

8486

ac-ft over

30

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.47	8.6	8.53	SU	1 X Week	GRAB
SULFATE	657	673	665	mg/l	1 X Week	GRAB
OUTLET DISCHARGE	79	157	143	cfs	Continuous	Recorder
SIGNATURE				7/10/26	701-328-9049	
NAME AND TITLE	YAPING CHI, WATER RESOURCES ENGINEER, WATER DEVELOPMENT DIVISION			DATE	TELEPHONE NUMBER	
COMMENT AND EXPLANATION OF ANY VIOLATIONS						
A summary of individual sample results and flow data for both outlets, and upstream & downstream monitoring location is 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

OUTLET OPERATOR NAME/ADDRESS
NAME: ND Dept. of Water Resources
ADDRESS: 1200 Memorial Highway,
Bismarck ND 58504

MONTHLY DISCHARGE REPORT

LOCATION: EAST END OUTLET

FACILITY: Devils Lake Outlet Project

LOCATION: Ramsey, Benson, Nelson Co, ND

MONITORING PERIOD	
START DATE	END DATE
6/1/26	6/30/26

Devils Lake East Outlet

8770

ac-ft over

30

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.41	8.63	8.55	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	2640	2900	2732	µS/cm	Continuous	Recorder
SULFATE	940	1002	982	mg/L	1 X Week	GRAB
OUTLET DISCHARGE	37	166	147	cfs	Continuous	Recorder
SIGNATURE				7/10/26	701-328-9049	
NAME AND TITLE	YAPING CHI, WATER RESOURCES ENGINEER, WATER DEVELOPMENT DIVISION			DATE	TELEPHONE NUMBER	
COMMENT AND EXPLANATION OF ANY VIOLATIONS						

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

OUTLET OPERATOR NAME/ADDRESS
NAME: ND Dept. of Water Resources
ADDRESS: 1200 Memorial Highway,
Bismarck ND 58504

MONTHLY DISCHARGE REPORT

LOCATION: UPSTREAM OF THE WEST END OUTLET (FLORA)

FACILITY: Devils Lake Outlet Project

LOCATION: Benson, ND

MONITORING PERIOD	
START DATE	END DATE
6/1/26	6/30/26

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.41	8.47	8.43	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	1550	1580	1570	µS/cm	Continuous	Recorder
SULFATE	326	399	370	mg/L	1 X Week	GRAB
FLOW, INSTREAM	21	94	38	cfs	Continuous	Recorder
SIGNATURE				7/10/26	701-328-9049	
NAME AND TITLE	YAPING CHI, WATER RESOURCES ENGINEER, WATER DEVELOPMENT DIVISION			DATE	TELEPHONE NUMBER	
COMMENT AND EXPLANATION OF ANY VIOLATIONS						
A summary of individual sample results and flow data for both outlets, and upstream & downstream monitoring location is attached						

Notes:

ac-ft - Acre feet
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µS/cm - microsiemens per Centimeter at 25 degrees Celsius
mg/L - milligrams per liter or parts per million
cfs - cubic feet per second

OUTLET OPERATOR NAME/ADDRESS
NAME: ND Dept. of Water Resources
ADDRESS: 1200 Memorial Highway,
Bismarck ND 58504

MONTHLY DISCHARGE REPORT

LOCATION: DOWNSTREAM OF BOTH OUTLETS (COOPERSTOWN)

FACILITY: Devils Lake Outlet Project

LOCATION: Griggs Co, ND

MONITORING PERIOD	
START DATE	END DATE
6/1/26	6/30/26

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.4	8.46	8.43	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	1960	2270	2120	µS/cm	Continuous	Recorder
SULFATE	574	719	649	mg/L	1 X Week	GRAB
FLOW, INSTREAM	433	674	536	cfs	Continuous	Recorder
SIGNATURE				7/10/26	701-328-9049	
NAME AND TITLE	YAPING CHI, WATER RESOURCES ENGINEER, WATER DEVELOPMENT DIVISION			DATE	TELEPHONE NUMBER	
COMMENT AND EXPLANATION OF ANY VIOLATIONS						
A summary of individual sample results and flow data for both outlets, and upstream & downstream monitoring location is attached						

Notes:

ac-ft - Acre feet
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µS/cm - microsiemens per Centimeter at 25 degrees Celsius
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cfs - cubic feet per second

OUTLET OPERATOR NAME/ADDRESS
NAME: ND Dept. of Water Resources
ADDRESS: 1200 Memorial Highway,
Bismarck ND 58504

MONTHLY DISCHARGE REPORT

LOCATION: BELOW BALDHILL DAM

FACILITY: Devils Lake Outlet Project

LOCATION: Eddy Co, ND

MONITORING PERIOD	
START DATE	END DATE
6/1/26	6/30/26

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.3	8.5	8.39	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	899	1320	1033	µS/cm	Continuous	Recorder
SULFATE	223	305	251	mg/L	1 X Week	GRAB
FLOW, INSTREAM	459	582	500	cfs	Continuous	Recorder
SIGNATURE				7/10/26	701-328-9049	
NAME AND TITLE	YAPING CHI, WATER RESOURCES ENGINEER, WATER DEVELOPMENT DIVISION			DATE	TELEPHONE NUMBER	
COMMENT AND EXPLANATION OF ANY VIOLATIONS						
A summary of individual sample results and flow data for both outlets, and upstream & downstream monitoring location is 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

	Above West End Outlet - Sheyenne River near Flora		West End Outlet		Sheyenne River below Baldhill Dam		East End Outlet		Below East End Outlet - Tolna Coulee near Tolna		Below East End Outlet - Sheyenne River near Cooperstown		Sum of Outlets	
Date	Average Streamflow USGS Gage (cfs)	Average Specific Conductance USGS Gage (µS/cm)	Average Daily Outlet Discharge (cfs)	Total Daily Volume (ft3)	Average Streamflow USGS Gage (cfs)	Average Specific Conductance USGS Gage (µS/cm)	Average Daily Outlet Discharge (cfs)	Total Daily Volume (ft3)	Average Streamflow USGS Gage (cfs)	Average Specific Conductance USGS Gage (µS/cm)	Average Streamflow USGS Gage (cfs)	Average Specific Conductance USGS Gage (µS/cm)	Average Daily Outlet Discharge (cfs)	Total Daily Volume (ft3)
6/1/2026	37	1550	150	12964806	539	878	162	13985000	157	2900	606	1980	312	26949806
6/2/2026	34	1550	150	12982937	509	899	161	13897000	156	2900	579	2040	311	26879937
6/3/2026	59	1570	152	13130120	478	898	157	13592000	155	2890	567	2060	309	26722120
6/4/2026	94	1580	151	13082264	460	897	158	13669000	157	2860	555	2100	310	26751264
6/5/2026	89	1500	152	13138940	459	-	159	13695000	154	2850	564	2120	311	26833940
6/6/2026	79	1660	157	13533370	459	903	155	13409000	150	2860	597	2130	312	26942370
6/7/2026	67	1650	150	12925534	466	903	155	13406000	148	2860	651	2120	305	26331534
6/8/2026	53	1590	152	13117287	576	912	153	13176000	145	2860	674	2030	304	26293287
6/9/2026	45	1550	143	12341637	582	921	164	14176000	160	2860	654	1920	307	26517637
6/10/2026	37	1570	135	11696067	557	924	137	11820000	121	2820	642	1960	272	23516067
6/11/2026	36	1570	153	13207908	520	933	155	13424000	151	2820	623	1990	308	26631908
6/12/2026	35	1560	152	13163733	504	935	159	13778000	155	2780	605	2080	312	26941733
6/13/2026	35	1540	151	13037404	530	944	165	14258000	161	2750	576	2080	316	27295404
6/14/2026	34	1540	150	12951668	531	963	156	13520000	151	2690	558	2040	306	26471668
6/15/2026	29	1550	150	12939687	533	953	162	13955000	157	2630	535	2090	311	26894687
6/16/2026	27	1570	148	12829545	497	954	166	14356000	162	2640	521	2110	315	27185545
6/17/2026	24	1580	147	12729975	483	957	164	14168000	160	2670	510	2120	311	26897975
6/18/2026	24	1600	151	13040202	483	960	162	13953600	157	2700	504	2130	312	26993802
6/19/2026	24	1600	149	12899593	481	966	153	13211000	150	2710	500	2160	302	26110593
6/20/2026	23	1600	153	13220077	479	981	156	13461000	151	2710	492	2180	309	26681077
6/21/2026	22	1610	153	13191455	477	998	163	14092000	156	2660	478	2210	316	27283455
6/22/2026	21	1600	143	12365992	470	1010	156	13457000	150	2630	464	2230	299	25822992
6/23/2026	23	1600	151	13069668	469	1050	155	13360000	150	2630	461	2230	306	26429668
6/24/2026	25	1580	152	13145737	485	1070	121	10441000	117	2650	461	2220	273	23586737
6/25/2026	27	-	152	13140312	493	1080	164	14127000	158	2680	459	2240	316	27267312
6/26/2026	26	1600	153	13240024	496	1080	160	13829000	156	2700	455	2250	313	27069024
6/27/2026	25	1590	125	10818887	498	1120	150	12923194	154	2680	433	2260	275	23742081
6/28/2026	25	1580	84	7272485	501	1150	115	9957510	85	2600	447	2230	199	17229995
6/29/2026	26	1570	89	7655105	502	1130	43	3744450	48	2670	454	2260	132	11399555
6/30/2026	33	1580	79	6800125	470	1320	37	3175380	28	2650	457	2270	115	9975505
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimum	21	1500	79	6800125	459	878	37	3175380	28	2600	433	1920	115	9975505
Maximum	94	1660	157	13533370	582	1320	166	14356000	162	2900	674	2270	323	27889370
Average	38	1526	143	12321085	500	956	147	12733871	142	2655	536	2059	290	25054956
			Total (Mgal)	2765			Total (Mgal)	2857					Total (Mgal)	5622
			Total (Ac-ft)	8486			Total (Ac-ft)	8770					Total (Ac-ft)	17256

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

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

Date	Time	Specific Conductance USGS Gage (μ S/cm)	pH	Sulfate (mg/L)	Total Suspended Solids (mg/L)
6/1/26	-	-	-	-	-
6/2/26	7:58:00	1550	8.42	326	39
6/3/26	-	-	-	-	-
6/4/26	-	-	-	-	-
6/5/26	-	-	-	-	-
6/6/26	-	-	-	-	-
6/7/26	-	-	-	-	-
6/8/26	-	-	-	-	-
6/9/26	-	-	-	-	-
6/10/26	8:05:00	1570	8.41	399	NA
6/11/26	-	-	-	-	-
6/12/26	-	-	-	-	-
6/13/26	-	-	-	-	-
6/14/26	-	-	-	-	-
6/15/26	-	-	-	-	-
6/16/26	8:00:00	1570	8.42	379	NA
6/17/26	-	-	-	-	-
6/18/26	-	-	-	-	-
6/19/26	-	-	-	-	-
6/20/26	-	-	-	-	-
6/21/26	-	-	-	-	-
6/22/26	-	-	-	-	-
6/23/26	-	-	-	-	-
6/24/26	7:50:00	1580	8.42	378	NA
6/25/26	-	-	-	-	-
6/26/26	-	-	-	-	-
6/27/26	-	-	-	-	-
6/28/26	-	-	-	-	-
6/29/26	-	-	-	-	-
6/30/26	7:47:00	1580	8.47	370	NA
Minimum		1550	8.41	326	39
Maximum		1580	8.47	399	39
Average		1570	8.43	370	39

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

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

Date	Time	Specific Conductance from Telemetry System (μS/cm)	pH	Sulfate (mg/L)	Total Suspended Solids (mg/L)
6/1/26	-	-	-	-	-
6/2/26	8:10:00	-	8.47	667	10
6/3/26	-	-	-	-	-
6/4/26	-	-	-	-	-
6/5/26	-	-	-	-	-
6/6/26	-	-	-	-	-
6/7/26	-	-	-	-	-
6/8/26	-	-	-	-	-
6/9/26	-	-	-	-	-
6/10/26	8:15:00	-	8.51	657	NA
6/11/26	-	-	-	-	-
6/12/26	-	-	-	-	-
6/13/26	-	-	-	-	-
6/14/26	-	-	-	-	-
6/15/26	-	-	-	-	-
6/16/26	8:10:00	-	8.53	673	NA
6/17/26	-	-	-	-	-
6/18/26	-	-	-	-	-
6/19/26	-	-	-	-	-
6/20/26	-	-	-	-	-
6/21/26	-	-	-	-	-
6/22/26	-	-	-	-	-
6/23/26	-	-	-	-	-
6/24/26	8:00:00	-	8.60	664	NA
6/25/26	-	-	-	-	-
6/26/26	-	-	-	-	-
6/27/26	-	-	-	-	-
6/28/26	-	-	-	-	-
6/29/26	-	-	-	-	-
6/30/26	7:55:00	-	8.52	663	NA
Minimum			8.47	657	10
Maximum			8.60	673	10
Average			8.53	665	10

Notes:

μ S/cm - microsiemens per Centimeter at 25 degrees Celsius

mg/L - milligrams per liter or parts per million

NA - Not analyzed

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

Date	Time	Specific Conductance (μS/cm)	pH	Sulfate (mg/L)	Total Suspended Solids (mg/L)
6/1/26	-	-	-	-	-
6/2/26	9:30:00	2900	8.59	1002	7
6/3/26	-	-	-	-	-
6/4/26	-	-	-	-	-
6/5/26	-	-	-	-	-
6/6/26	-	-	-	-	-
6/7/26	-	-	-	-	-
6/8/26	-	-	-	-	-
6/9/26	-	-	-	-	-
6/10/26	9:30:00	2820	8.41	977	NA
6/11/26	-	-	-	-	-
6/12/26	-	-	-	-	-
6/13/26	-	-	-	-	-
6/14/26	-	-	-	-	-
6/15/26	-	-	-	-	-
6/16/26	9:25:00	2640	8.58	1001	NA
6/17/26	-	-	-	-	-
6/18/26	-	-	-	-	-
6/19/26	-	-	-	-	-
6/20/26	-	-	-	-	-
6/21/26	-	-	-	-	-
6/22/26	-	-	-	-	-
6/23/26	-	-	-	-	-
6/24/26	9:15:00	2650	8.63	987	NA
6/25/26	-	-	-	-	-
6/26/26	-	-	-	-	-
6/27/26	-	-	-	-	-
6/28/26	-	-	-	-	-
6/29/26	-	-	-	-	-
6/30/26	9:15:00	2650	8.55	940	NA
Minimum		2640	8.41	940	7
Maximum		2900	8.63	1002	7
Average		2732	8.55	982	7

Notes:

μ S/cm - microsiemens per Centimeter at 25 degrees Celsius

mg/L - milligrams per liter or parts per million

NA - Not analyzed

Sheyenne River Downstream of Both Outlets Near Cooperstown
Monthly Water Quality Summary
Devils Lake Outlet Discharge Report

Date	Time	Specific Conductance USGS Gage (µS/cm)	pH	Sulfate (mg/L)	Total Suspended Solids (mg/L)
6/1/26	-	-	-	-	-
6/2/26	11:00:00	2040	8.43	607.3	114
6/3/26	-	-	-	-	-
6/4/26	-	-	-	-	-
6/5/26	-	-	-	-	-
6/6/26	-	-	-	-	-
6/7/26	-	-	-	-	-
6/8/26	-	-	-	-	-
6/9/26	-	-	-	-	-
6/10/26	10:50:00	1960	8.4	573.8	NA
6/11/26	-	-	-	-	-
6/12/26	-	-	-	-	-
6/13/26	-	-	-	-	-
6/14/26	-	-	-	-	-
6/15/26	-	-	-	-	-
6/16/26	10:36:00	2110	8.41	664.4	NA
6/17/26	-	-	-	-	-
6/18/26	-	-	-	-	-
6/19/26	-	-	-	-	-
6/20/26	-	-	-	-	-
6/21/26	-	-	-	-	-
6/22/26	-	-	-	-	-
6/23/26	-	-	-	-	-
6/24/26	10:20:00	2220	8.46	681.7	NA
6/25/26	-	-	-	-	-
6/26/26	-	-	-	-	-
6/27/26	-	-	-	-	-
6/28/26	-	-	-	-	-
6/29/26	-	-	-	-	-
6/30/26	10:20:00	2270	8.44	718.5	NA
Minimum		1960	8.4	573.8	114
Maximum		2270	8.46	718.5	114
Average		2120	8.43	649	114

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

**Sheyenne River Below Baldhill Dam
Monthly Water Quality Summary
Devils Lake Outlet Discharge Report**

Date	Time	Specific Conductance USGS Gage (μ S/cm)	pH	Sulfate (mg/L)	Total Suspended Solids (mg/L)
6/1/26	-	-	-	-	-
6/2/26	16:00:00	899	8.32	223	13
6/3/26	-	-	-	-	-
6/4/26	-	-	-	-	-
6/5/26	-	-	-	-	-
6/6/26	-	-	-	-	-
6/7/26	-	-	-	-	-
6/8/26	-	-	-	-	-
6/9/26	-	-	-	-	-
6/10/26	12:20:00	924	8.3	224	NA
6/11/26	-	-	-	-	-
6/12/26	-	-	-	-	-
6/13/26	-	-	-	-	-
6/14/26	-	-	-	-	-
6/15/26	-	-	-	-	-
6/16/26	14:15:00	954	8.37	240	NA
6/17/26	-	-	-	-	-
6/18/26	-	-	-	-	-
6/19/26	-	-	-	-	-
6/20/26	-	-	-	-	-
6/21/26	-	-	-	-	-
6/22/26	-	-	-	-	-
6/23/26	-	-	-	-	-
6/24/26	11:15:00	1070	8.46	264	NA
6/25/26	-	-	-	-	-
6/26/26	-	-	-	-	-
6/27/26	-	-	-	-	-
6/28/26	-	-	-	-	-
6/29/26	-	-	-	-	-
6/30/26	13:55:00	1320	8.5	305	NA
Minimum		899	8.3	223	13
Maximum		1320	8.5	305	13
Average		1033	8.39	251	13

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