

September 24, 2026

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

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

Division of Water Quality:

The West End Outlet discharge remained at approximately 175 cfs until August 28, when it was reduced to 125 cfs. Its discharge was completely shut off on August 31 to comply with downstream water quality constraint on the Sheyenne River. The East End Outlet discharge was decreased from 75 cfs to 50 cfs on August 3 and then was completely shut off on August 24 to comply with downstream water quality constraint. 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 August.

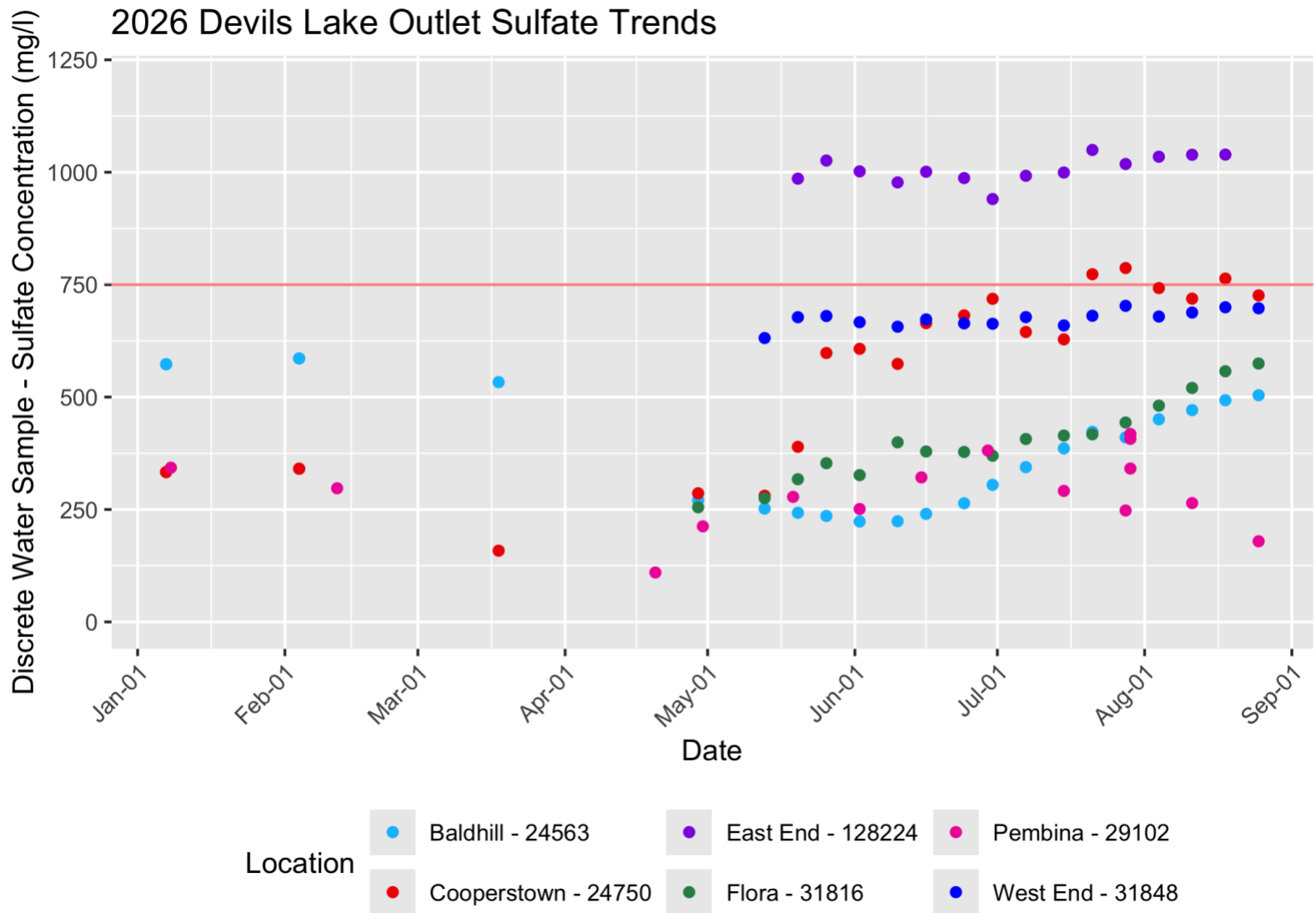
	Average Discharge Rate (cfs)	Total Discharge Volume (acre-feet)
West End Outlet	140	8,598
East End Outlet	40	2,458
Combined Total Discharge Volume (acre-ft)		11,056

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.

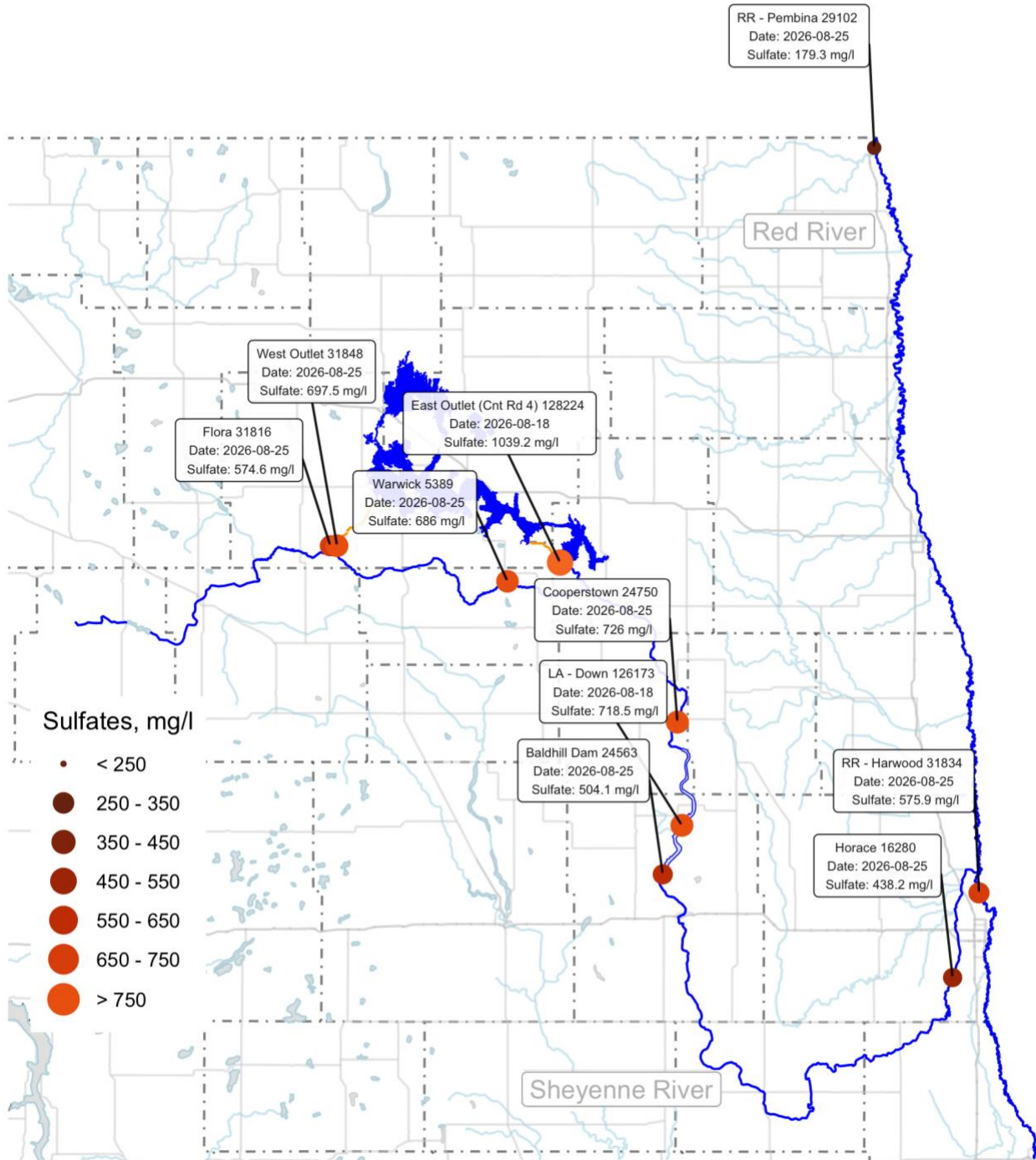
If you have any questions, please contact me at (701) 328-9049.

Sincerely,

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



Devils Lake Outlet Operations Sulfate Concentrations 8/31/26



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
8/1/26	8/31/26

Devils Lake West Outlet

8598

ac-ft over

31

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE					
pH	NA	NA	NA	SU	1 X Week	GRAB					
SULFATE	679	700	691	mg/l	1 X Week	GRAB					
OUTLET DISCHARGE	53	152	140	cfs	Continuous	Recorder					
SIGNATURE				9/23/26	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
 μ S/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 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
8/1/26	8/31/26

Devils Lake East Outlet

2458

ac-ft over

31

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	NA	NA	NA	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	2880	3120	2963	µS/cm	Continuous	Recorder
SULFATE	1035	1039	1038	mg/L	1 X Week	GRAB
OUTLET DISCHARGE	0	79	40	cfs	Continuous	Recorder
SIGNATURE				9/23/26	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

NA - Not available

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
8/1/26	8/31/26

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	NA	NA	NA	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	1730	1900	1835	µS/cm	Continuous	Recorder
SULFATE	481	575	533	mg/L	1 X Week	GRAB
FLOW, INSTREAM	0	5	2	cfs	Continuous	Recorder
SIGNATURE				9/23/26	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
NA - Not available

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

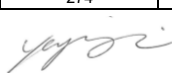
MONTHLY DISCHARGE REPORT

LOCATION: DOWNSTREAM OF BOTH OUTLETS (COOPERSTOWN)

FACILITY: Devils Lake Outlet Project

LOCATION: Griggs Co, ND

MONITORING PERIOD	
START DATE	END DATE
8/1/26	8/31/26

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	NA	NA	NA	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	2280	2310	2298	µS/cm	Continuous	Recorder
SULFATE	719	764	738	mg/L	1 X Week	GRAB
FLOW, INSTREAM	205	274	236	cfs	Continuous	Recorder
SIGNATURE				9/23/26	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
NA - Not available

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

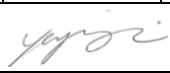
MONTHLY DISCHARGE REPORT

LOCATION: BELOW BALDHILL DAM

FACILITY: Devils Lake Outlet Project

LOCATION: Eddy Co, ND

MONITORING PERIOD	
START DATE	END DATE
8/1/26	8/31/26

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	NA	NA	NA	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	1550	1680	1618	µS/cm	Continuous	Recorder
SULFATE	451	504	480	mg/L	1 X Week	GRAB
FLOW, INSTREAM	139	274	162	cfs	Continuous	Recorder
SIGNATURE				9/23/26	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
NA - Not available

	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)
8/1/2026	4	1710	147	12712766	274	1550	78	6742000	86	2900	274	2290	225	19454766
8/2/2026	4	1720	147	12688219	258	1550	79	6802000	85	2890	266	2300	226	19490219
8/3/2026	3	1720	140	12075238	247	1560	78	6749000	86	2870	268	2310	218	18824238
8/4/2026	4	1730	142	12293450	211	1550	72	6207000	80	2880	272	2300	214	18500450
8/5/2026	5	1750	144	12411699	160	1560	61	5264000	67	2920	268	2290	205	17675699
8/6/2026	4	1770	139	11973354	140	1570	60	5157000	65	2910	261	2290	198	17130354
8/7/2026	3	1780	132	11428606	139	1570	46	3936000	54	2900	255	2350	178	15364606
8/8/2026	2	1790	148	12828523	140	1580	25	2202000	31	-	247	2350	174	15030523
8/9/2026	2	1810	145	12500356	141	1580	32	2769000	31	-	240	2340	177	15269356
8/10/2026	2	1820	142	12228690	142	1590	42	3656000	47	2880	227	2310	184	15884690
8/11/2026	2	1830	145	12493981	142	1600	48	4108000	55	2890	213	2300	192	16601981
8/12/2026	2	1840	152	13129988	143	1600	44	3764000	45	-	205	2270	196	16893988
8/13/2026	1	1850	151	13071605	143	1630	57	4889000	63	2850	215	2230	208	17960605
8/14/2026	1	1860	146	12629317	143	1640	58	4980000	65	2830	222	2240	204	17609317
8/15/2026	2	1860	147	12734991	144	1640	43	3692000	49	-	222	2270	190	16426991
8/16/2026	2	1870	148	12778976	146	1640	52	4474000	57	2890	232	2270	200	17252976
8/17/2026	1	1870	149	12880961	146	1640	47	4054000	54	2830	239	2300	196	16934961
8/18/2026	1	1880	147	12698049	145	1640	47	4053000	50	3120	235	2310	194	16751049
8/19/2026	1	1890	146	12656086	146	1660	57	4956000	65	3130	234	2320	204	17612086
8/20/2026	1	1890	149	12840373	145	-	36	3104000	40	-	235	2320	185	15944373
8/21/2026	1	1900	149	12895686	144	1660	45	3845000	50	2980	231	2280	194	16740686
8/22/2026	1	1920	150	12978823	143	1660	58	4986000	60	2990	233	2280	208	17964823
8/23/2026	1	1930	150	12992267	144	1670	53	4554000	58	2990	225	2280	203	17546267
8/24/2026	2	1920	151	13015214	144	1670	25	2124000	37	3000	223	2280	175	15139214
8/25/2026	1	1900	148	12807855	145	1680	0	0	1	2860	230	2280	148	12807855
8/26/2026	1	1910	149	12875878	159	1680	0	0	-	-	243	2260	149	12875878
8/27/2026	1	1910	147	12682791	172	1690	0	0	-	-	241	2280	147	12682791
8/28/2026	0	1920	123	10659563	172	1690	0	0	0	2440	228	2270	123	10659563
8/29/2026	0	1930	104	9004060	173	1700	0	0	0	2520	218	2250	104	9004060
8/30/2026	0	1940	104	8969594	172	1700	0	0	1	2440	209	2110	104	8969594
8/31/2026	0	1940	53	4584322	173	1730	0	0	2	2140	205	2020	53	4584322
Minimum	0.35	1710	53	4584322	139	1550	0	0	0.48	2140	205	2020	53	4584322
Maximum	5	1940	152	13129988	274	1730	79	6802000	86	3130	274	2350	231	19931988
Average	2	1793	140	12081332	162	1577	40	3453774	45	2722	236	2205	180	15535106
			Total (Mgal)	2801			Total (Mgal)	801					Total (Mgal)	3602
			Total (Ac-ft)	8598			Total (Ac-ft)	2458					Total (Ac-ft)	11056

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 (μS/cm)	pH	Sulfate (mg/L)	Total Suspended Solids (mg/L)
8/1/26	-	-	-	-	-
8/2/26	-	-	-	-	-
8/3/26	-	-	-	-	-
8/4/26	7:59:00	1730	NA	481	NA
8/5/26	-	-	-	-	-
8/6/26	-	-	-	-	-
8/7/26	-	-	-	-	-
8/8/26	-	-	-	-	-
8/9/26	-	-	-	-	-
8/10/26	-	-	-	-	-
8/11/26	8:00:00	1830	-	520	NA
8/12/26	-	-	NA	-	-
8/13/26	-	-	-	-	-
8/14/26	-	-	-	-	-
8/15/26	-	-	-	-	-
8/16/26	-	-	-	-	-
8/17/26	-	-	-	-	-
8/18/26	8:00:00	1880	NA	557	NA
8/19/26	-	-	-	-	-
8/20/26	-	-	-	-	-
8/21/26	-	-	-	-	-
8/22/26	-	-	-	-	-
8/23/26	-	-	-	-	-
8/24/26	-	-	-	-	-
8/25/26	7:50:00	1900	NA	575	NA
8/26/26	-	-	-	-	-
8/27/26	-	-	-	-	-
8/28/26	-	-	-	-	-
8/29/26	-	-	-	-	-
8/30/26	-	-	-	-	-
8/31/26	-	-	-	-	-
Minimum		1730	NA	481	
Maximum		1900	NA	575	NA
Average		1835	NA	533	NA

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)
8/1/26	-	-	-	-	-
8/2/26	-	-	-	-	-
8/3/26	-	-	-	-	-
8/4/26	8:10:00	-	NA	679	NA
8/5/26	-	-	-	-	-
8/6/26	-	-	-	-	-
8/7/26	-	-	-	-	-
8/8/26	-	-	-	-	-
8/9/26	-	-	-	-	-
8/10/26	-	-	-	-	-
8/11/26	8:10:00	-	-	688	NA
8/12/26	-	-	NA	-	-
8/13/26	-	-	-	-	-
8/14/26	-	-	-	-	-
8/15/26	-	-	-	-	-
8/16/26	-	-	-	-	-
8/17/26	-	-	-	-	-
8/18/26	19:44:00	-	NA	700	NA
8/19/26	-	-	-	-	-
8/20/26	-	-	-	-	-
8/21/26	-	-	-	-	-
8/22/26	-	-	-	-	-
8/23/26	-	-	-	-	-
8/24/26	-	-	-	-	-
8/25/26	8:10:00	-	NA	698	NA
8/26/26	-	-	-	-	-
8/27/26	-	-	-	-	-
8/28/26	-	-	-	-	-
8/29/26	-	-	-	-	-
8/30/26	-	-	-	-	-
8/31/26	-	-	-	-	-
Minimum			NA	679	
Maximum			NA	700	NA
Average			NA	691	NA

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 USGS Gage (μS/cm)	pH	Sulfate (mg/L)	Total Suspended Solids (mg/L)
8/1/26	-	-	-	-	-
8/2/26	-	-	-	-	-
8/3/26	-	-	-	-	-
8/4/26	9:30:00	2880	NA	1035	NA
8/5/26	-	-	-	-	-
8/6/26	-	-	-	-	-
8/7/26	-	-	-	-	-
8/8/26	-	-	-	-	-
8/9/26	-	-	-	-	-
8/10/26	-	-	-	-	-
8/11/26	9:25:00	2890	-	1039	NA
8/12/26	-	-	NA	-	-
8/13/26	-	-	-	-	-
8/14/26	-	-	-	-	-
8/15/26	-	-	-	-	-
8/16/26	-	-	-	-	-
8/17/26	-	-	-	-	-
8/18/26	9:40:00	3120	NA	1039	NA
8/19/26	-	-	-	-	-
8/20/26	-	-	-	-	-
8/21/26	-	-	-	-	-
8/22/26	-	-	-	-	-
8/23/26	-	-	-	-	-
8/24/26	-	-	-	-	-
8/25/26	-	-	-	-	-
8/26/26	-	-	-	-	-
8/27/26	-	-	-	-	-
8/28/26	-	-	-	-	-
8/29/26	-	-	-	-	-
8/30/26	-	-	-	-	-
8/31/26	-	-	-	-	-
Minimum		2880	NA	1035	NA
Maximum		3120	NA	1039	NA
Average		2963	NA	1038	NA

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 (μ S/cm)	pH	Sulfate (mg/L)	Total Suspended Solids (mg/L)
8/1/26	-	-	-	-	-
8/2/26	-	-	-	-	-
8/3/26	-	-	-	-	-
8/4/26	10:36:00	2300	NA	742	NA
8/5/26	-	-	-	-	-
8/6/26	-	-	-	-	-
8/7/26	-	-	-	-	-
8/8/26	-	-	-	-	-
8/9/26	-	-	-	-	-
8/10/26	-	-	-	-	-
8/11/26	10:35:00	2300	-	719	NA
8/12/26	-	-	NA	-	-
8/13/26	-	-	-	-	-
8/14/26	-	-	-	-	-
8/15/26	-	-	-	-	-
8/16/26	-	-	-	-	-
8/17/26	-	-	-	-	-
8/18/26	10:50:00	2310	NA	764	NA
8/19/26	-	-	-	-	-
8/20/26	-	-	-	-	-
8/21/26	-	-	-	-	-
8/22/26	-	-	-	-	-
8/23/26	-	-	-	-	-
8/24/26	-	-	-	-	-
8/25/26	10:10:00	2280	NA	726	NA
8/26/26	-	-	-	-	-
8/27/26	-	-	-	-	-
8/28/26	-	-	-	-	-
8/29/26	-	-	-	-	-
8/30/26	-	-	-	-	-
8/31/26	-	-	-	-	-
Minimum		2280	NA	719	
Maximum		2310	NA	764	NA
Average		2298	NA	738	NA

Notes:

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

mg/L - milligrams per liter or parts per million

NA - Not analyzed

Bold font denotes sample sulfate concentration exceeds 750 mg/L

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 (μS/cm)	pH	Sulfate (mg/L)	Sulfate Monthly Average (mg/L)	Total Suspend ed Solids (mg/L)
8/1/26	-	-	-	-		-
8/2/26	-	-	-	-		-
8/3/26	-	-	-	-		-
8/4/26	11:40:00	1550	NA	451	451	NA
8/5/26	-	-	-	-	-	-
8/6/26	-	-	-	-	-	-
8/7/26	-	-	-	-	-	-
8/8/26	-	-	-	-	-	-
8/9/26	-	-	-	-	-	-
8/10/26	-	-	-	-	-	-
8/11/26	14:30:00	1600	-	471	461	NA
8/12/26	-	-	NA	-	-	-
8/13/26	-	-	-	-	-	-
8/14/26	-	-	-	-	-	-
8/15/26	-	-	-	-	-	-
8/16/26	-	-	-	-	-	-
8/17/26	-	-	-	-	-	-
8/18/26	12:00:00	1640	NA	493	472	NA
8/19/26	-	-	-	-	-	-
8/20/26	-	-	-	-	-	-
8/21/26	-	-	-	-	-	-
8/22/26	-	-	-	-	-	-
8/23/26	-	-	-	-	-	-
8/24/26	-	-	-	-	-	-
8/25/26	14:00:00	1680	NA	504	480	NA
8/26/26	-	-	-	-	-	-
8/27/26	-	-	-	-	-	-
8/28/26	-	-	-	-	-	-
8/29/26	-	-	-	-	-	-
8/30/26	-	-	-	-	-	-
8/31/26	-	-	-	-	-	-
Minimum		1550	NA	451		
Maximum		1680	NA	504		NA
Average		1618	NA	480		NA

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

Bold font denotes sample sulfate concentration exceeds 450 mg/L for monthly average