

August 25, 2026

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

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

Division of Water Quality:

The West End Outlet discharge increased from 100 cfs to 175 cfs on July 8. The electrical issue with one 75 cfs pump remains unresolved due to the long lead time for replacement component. The East End Outlet discharge was increased from 75 cfs to 125 cfs on July 14 and then was reduced to 75 cfs on July 24 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 July.

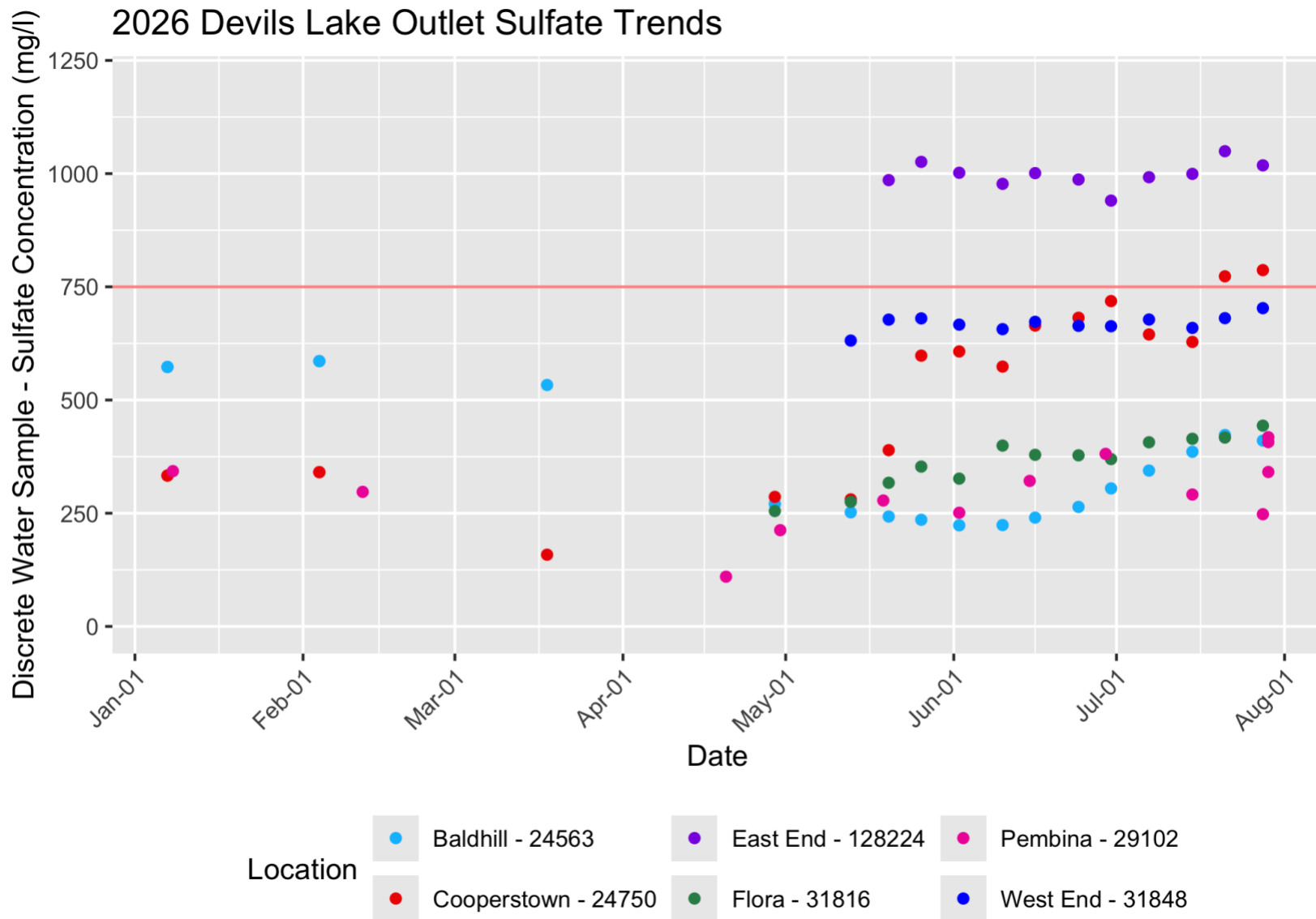
	Average Discharge Rate (cfs)	Total Discharge Volume (acre-feet)
West End Outlet	130	8,006
East End Outlet	82	5,053
Combined Total Discharge Volume (acre-ft)		13,059

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.

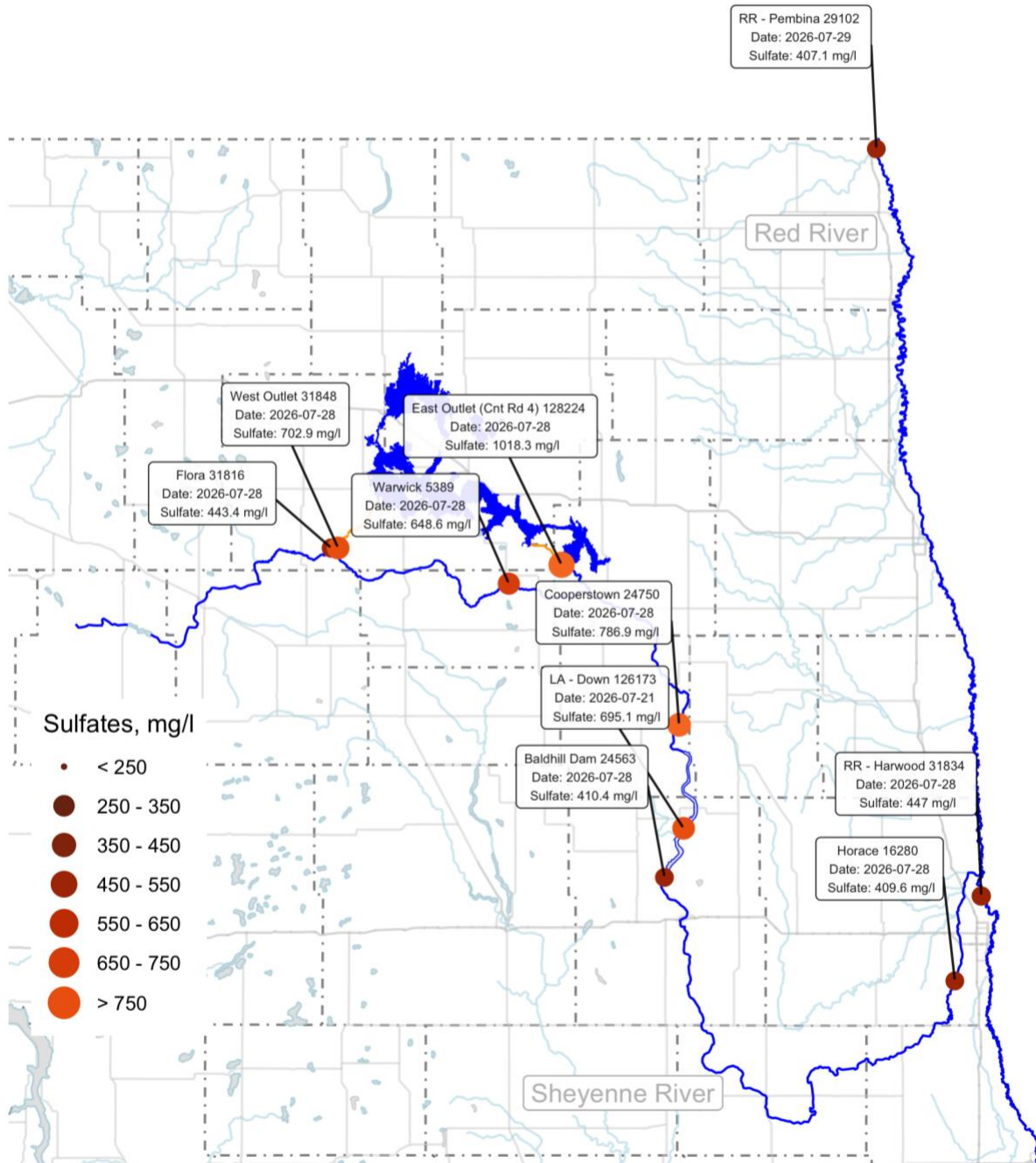
If you have any questions, please contact me at (701) 328-9049.

Sincerely,

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



Devils Lake Outlet Operations Sulfate Concentrations 7/31/26



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
7/1/26	7/31/26

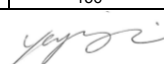
Devils Lake West Outlet

8006

ac-ft over

31

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	NA	NA	NA	SU	1 X Week	GRAB
SULFATE	659	703	680	mg/l	1 X Week	GRAB
OUTLET DISCHARGE	76	156	130	cfs	Continuous	Recorder
SIGNATURE				8/25/26	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 Analyzed

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
7/1/26	7/31/26

Devils Lake East Outlet

5053

ac-ft over

31

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	NA	NA	NA	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	2920	2940	2930	µS/cm	Continuous	Recorder
SULFATE	992	1050	1015	mg/L	1 X Week	GRAB
OUTLET DISCHARGE	27	132	82	cfs	Continuous	Recorder
SIGNATURE				8/25/26	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 Analyzed

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

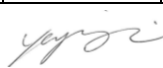
MONTHLY DISCHARGE REPORT

LOCATION: UPSTREAM OF THE WEST END OUTLET (FLORA)

FACILITY: Devils Lake Outlet Project

LOCATION: Benson, ND

MONITORING PERIOD	
START DATE	END DATE
7/1/26	7/31/26

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	NA	NA	NA	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	1590	1670	1618	µS/cm	Continuous	Recorder
SULFATE	407	443	420	mg/L	1 X Week	GRAB
FLOW, INSTREAM	8	72	29	cfs	Continuous	Recorder
SIGNATURE				8/25/26	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 Analyzed

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

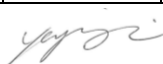
MONTHLY DISCHARGE REPORT

LOCATION: DOWNSTREAM OF BOTH OUTLETS (COOPERSTOWN)

FACILITY: Devils Lake Outlet Project

LOCATION: Griggs Co, ND

MONITORING PERIOD	
START DATE	END DATE
7/1/26	7/31/26

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	NA	NA	NA	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	2100	2400	2283	µS/cm	Continuous	Recorder
SULFATE	628	787	708	mg/L	1 X Week	GRAB
FLOW, INSTREAM	273	416	308	cfs	Continuous	Recorder
SIGNATURE				8/25/26	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 Analyzed

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
7/1/26	7/31/26

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	NA	NA	NA	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	1280	1510	1420	µS/cm	Continuous	Recorder
SULFATE	344	423	391	mg/L	1 X Week	GRAB
FLOW, INSTREAM	140	427	238	cfs	Continuous	Recorder
SIGNATURE				8/25/26	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 Analyzed

	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)
7/1/2026	59	1580	87	7477921	427	1250	27	2372544	43	2750	416	2250	114	9850465
7/2/2026	72	1590	86	7454664	421	1220	73	6334157	88	2930	377	2240	160	13788821
7/3/2026	61	1620	86	7424901	417	1220	69	5990544	89	2930	336	2040	155	13415445
7/4/2026	55	1600	76	6532008	363	1240	39	3355690	87	2940	323	2000	114	9887698
7/5/2026	47	1570	88	7560324	303	1250	57	4959014	88	2930	328	1960	145	12519338
7/6/2026	37	1570	85	7309445	229	1260	74	6408202	90	2930	327	2090	159	13717647
7/7/2026	33	1590	83	7171305	232	1280	76	6586358	89	2940	334	2100	159	13757663
7/8/2026	29	1600	118	10233248	242	1300	76	6537370	89	-	332	2080	194	16770618
7/9/2026	29	1600	156	13439433	241	1290	75	6489763	90	2920	333	2070	231	19929196
7/10/2026	33	1600	149	12831425	240	1320	78	6752333	90	2900	316	2050	227	19583758
7/11/2026	43	1620	145	12485591	239	1390	67	5803747	90	2880	298	2100	212	18289338
7/12/2026	42	1610	144	12409766	213	1420	69	5965747	89	-	288	2120	213	18375513
7/13/2026	33	1570	145	12501916	140	1410	74	6424445	88	-	305	2100	219	18926361
7/14/2026	28	1590	146	12586529	145	1420	86	7454506	118	-	346	2100	232	20041035
7/15/2026	27	1610	138	11944688	-	-	131	11312957	155	-	-	-	269	23257645
7/16/2026	27	1620	142	12265892	-	-	132	11403763	155	-	-	-	274	23669655
7/17/2026	27	1610	145	12505525	263	1460	127	10965629	149	2950	348	2000	272	23471154
7/18/2026	26	1590	147	12720303	263	1450	106	9120384	153	2950	362	2150	253	21840687
7/19/2026	24	1580	145	12514544	263	1450	73	6285600	151	2950	361	2280	218	18800144
7/20/2026	22	1590	147	12743363	263	1460	125	10829549	141	2930	355	2330	273	23572912
7/21/2026	20	1600	140	12121620	263	1470	116	10000195	127	2920	352	2350	256	22121815
7/22/2026	19	1620	146	12601376	263	1470	112	9708768	136	2920	353	2360	258	22310144
7/23/2026	17	1630	146	12599035	262	1470	106	9199786	146	2910	342	2370	252	21798821
7/24/2026	15	1630	141	12217766	230	1470	110	9466070	126	2900	331	2370	251	21683836
7/25/2026	13	1650	145	12528342	206	1500	62	5393261	85	2900	332	2350	207	17921603
7/26/2026	12	1660	143	12344862	205	1490	57	4900090	86	2910	332	2380	200	17244952
7/27/2026	11	1660	145	12570441	205	1510	72	6182611	85	2920	313	2400	217	18753052
7/28/2026	11	1670	152	13090048	205	1510	61	5280682	85	2930	288	2400	213	18370730
7/29/2026	10	1680	147	12710055	206	1510	60	5214499	86	2900	279	2380	207	17924554
7/30/2026	9	1680	143	12356967	206	1520	78	6702912	87	2890	273	2310	221	19059879
7/31/2026	8	1690	133	11480315	232	1550	78	6717427	86	2890	278	2290	211	18197742
Minimum	8	1570	76	6532008	140	1220	27	2372544	43	2750	273	1960	103	8904552
Maximum	72	1690	156	13439433	427	1550	132	11403763	155	2950	416	2400	288	24843196
Average	29	1565	130	11249472	238	1352	82	7100600	105	2801	308	2134	212	18350072
			Total (Mgal)	2609				Total (Mgal)	1646				Total (Mgal)	4255
			Total (Ac-ft)	8006				Total (Ac-ft)	5053				Total (Ac-ft)	13059

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)
7/1/26	-	-	-	-	-
7/2/26	-	-	-	-	-
7/3/26	-	-	-	-	-
7/4/26	-	-	-	-	-
7/5/26	-	-	-	-	-
7/6/26	-	-	-	-	-
7/7/26	8:05:00	1590	NA	407	NA
7/8/26	-	-	-	-	-
7/9/26	-	-	-	-	-
7/10/26	-	-	-	-	-
7/11/26	-	-	-	-	-
7/12/26	-	-	-	-	-
7/13/26	-	-	-	-	-
7/14/26	-	-	-	-	-
7/15/26	7:50:00	1610	NA	414	NA
7/16/26	-	-	-	-	-
7/17/26	-	-	-	-	-
7/18/26	-	-	-	-	-
7/19/26	-	-	-	-	-
7/20/26	-	-	-	-	-
7/21/26	8:00:00	1600	NA	417	NA
7/22/26	-	-	-	-	-
7/23/26	-	-	-	-	-
7/24/26	-	-	-	-	-
7/25/26	-	-	-	-	-
7/26/26	-	-	-	-	-
7/27/26	-	-	-	-	-
7/28/26	8:30:00	1670	NA	443	NA
7/29/26	-	-	-	-	-
7/30/26	-	-	-	-	-
7/31/26	-	-	-	-	-
Minimum		1590	NA	407	NA
Maximum		1670	NA	443	NA
Average		1618	NA	420	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

NA - Not Analyzed

**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)
7/1/26	-	-	-	-	-
7/2/26	-	-	-	-	-
7/3/26	-	-	-	-	-
7/4/26	-	-	-	-	-
7/5/26	-	-	-	-	-
7/6/26	-	-	-	-	-
7/7/26	8:15:00	-	NA	678	NA
7/8/26	-	-	-	-	-
7/9/26	-	-	-	-	-
7/10/26	-	-	-	-	-
7/11/26	-	-	-	-	-
7/12/26	-	-	-	-	-
7/13/26	-	-	-	-	-
7/14/26	-	-	-	-	-
7/15/26	8:10:00	-	NA	659	NA
7/16/26	-	-	-	-	-
7/17/26	-	-	-	-	-
7/18/26	-	-	-	-	-
7/19/26	-	-	-	-	-
7/20/26	-	-	-	-	-
7/21/26	8:10:00	-	NA	681	NA
7/22/26	-	-	-	-	-
7/23/26	-	-	-	-	-
7/24/26	-	-	-	-	-
7/25/26	-	-	-	-	-
7/26/26	-	-	-	-	-
7/27/26	-	-	-	-	-
7/28/26	8:10:00	-	NA	703	NA
7/29/26	-	-	-	-	-
7/30/26	-	-	-	-	-
7/31/26	-	-	-	-	-
Minimum			NA	659	NA
Maximum			NA	703	NA
Average			NA	680	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)
7/1/26	-	-	-	-	-
7/2/26	-	-	-	-	-
7/3/26	-	-	-	-	-
7/4/26	-	-	-	-	-
7/5/26	-	-	-	-	-
7/6/26	-	-	-	-	-
7/7/26	9:35:00	2940	NA	992	NA
7/8/26	-	-	-	-	-
7/9/26	-	-	-	-	-
7/10/26	-	-	-	-	-
7/11/26	-	-	-	-	-
7/12/26	-	-	-	-	-
7/13/26	-	-	-	-	-
7/14/26	-	-	-	-	-
7/15/26	9:30:00	-	NA	999	NA
7/16/26	-	-	-	-	-
7/17/26	-	-	-	-	-
7/18/26	-	-	-	-	-
7/19/26	-	-	-	-	-
7/20/26	-	-	-	-	-
7/21/26	9:30:00	2920	NA	1050	NA
7/22/26	-	-	-	-	-
7/23/26	-	-	-	-	-
7/24/26	-	-	-	-	-
7/25/26	-	-	-	-	-
7/26/26	-	-	-	-	-
7/27/26	-	-	-	-	-
7/28/26	9:48:00	2930	NA	1018	NA
7/29/26	-	-	-	-	-
7/30/26	-	-	-	-	-
7/31/26	-	-	-	-	-
Minimum		2920	NA	992	NA
Maximum		2940	NA	1050	NA
Average		2930	NA	1015	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)
7/1/26	-	-	-	-	-
7/2/26	-	-	-	-	-
7/3/26	-	-	-	-	-
7/4/26	-	-	-	-	-
7/5/26	-	-	-	-	-
7/6/26	-	-	-	-	-
7/7/26	10:45:00	2100	NA	645	NA
7/8/26	-	-	-	-	-
7/9/26	-	-	-	-	-
7/10/26	-	-	-	-	-
7/11/26	-	-	-	-	-
7/12/26	-	-	-	-	-
7/13/26	-	-	-	-	-
7/14/26	-	-	-	-	-
7/15/26	10:38:00	-	NA	628	NA
7/16/26	-	-	-	-	-
7/17/26	-	-	-	-	-
7/18/26	-	-	-	-	-
7/19/26	-	-	-	-	-
7/20/26	-	-	-	-	-
7/21/26	10:38:00	2350	NA	773	NA
7/22/26	-	-	-	-	-
7/23/26	-	-	-	-	-
7/24/26	-	-	-	-	-
7/25/26	-	-	-	-	-
7/26/26	-	-	-	-	-
7/27/26	-	-	-	-	-
7/28/26	11:00:00	2400	NA	787	NA
7/29/26	-	-	-	-	-
7/30/26	-	-	-	-	-
7/31/26	-	-	-	-	-
Minimum		2100	NA	628	NA
Maximum		2400	NA	787	NA
Average		2283	NA	708	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

NA - Not analyzed

**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)	Total Suspended Solids (mg/L)
7/1/26	-	-	-	-	-
7/2/26	-	-	-	-	-
7/3/26	-	-	-	-	-
7/4/26	-	-	-	-	-
7/5/26	-	-	-	-	-
7/6/26	-	-	-	-	-
7/7/26	11:52:00	1280	NA	344	NA
7/8/26	-	-	-	-	-
7/9/26	-	-	-	-	-
7/10/26	-	-	-	-	-
7/11/26	-	-	-	-	-
7/12/26	-	-	-	-	-
7/13/26	-	-	-	-	-
7/14/26	-	-	-	-	-
7/15/26	14:15:00	-	NA	386	NA
7/16/26	-	-	-	-	-
7/17/26	-	-	-	-	-
7/18/26	-	-	-	-	-
7/19/26	-	-	-	-	-
7/20/26	-	-	-	-	-
7/21/26	12:00:00	1470	NA	423	NA
7/22/26	-	-	-	-	-
7/23/26	-	-	-	-	-
7/24/26	-	-	-	-	-
7/25/26	-	-	-	-	-
7/26/26	-	-	-	-	-
7/27/26	-	-	-	-	-
7/28/26	14:13:00	1510	NA	410	NA
7/29/26	-	-	-	-	-
7/30/26	-	-	-	-	-
7/31/26	-	-	-	-	-
Minimum		1280	NA	344	NA
Maximum		1510	NA	423	NA
Average		1420	NA	391	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

NA - Not analyzed