

July 25, 2025

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

RE: June 2025 Devils Lake Outlets Monthly Discharge and Water Quality Report

Division of Water Quality:

The monthly discharge report for the Devils Lake Outlets for the month of June 2025 is enclosed.

The Devils Lake West End Outlet discharge remained at approximately 200 cubic feet per second (cfs) for the entire month of June. The East End Outlet discharge remained at approximately 150 cfs in June, except for a brief shutoff from June 23rd through June 25th to comply with downstream water quantity constraint due to high flows on the Sheyenne River. The discharge values 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 West and East End Outlets in June.

	Average Discharge Rate (cfs)	Total Discharge Volume (acre-feet)
West End Outlet	175	10,423
East End Outlet	133	7,898
Combined Total Discharge Volume (acre-ft)		18,321

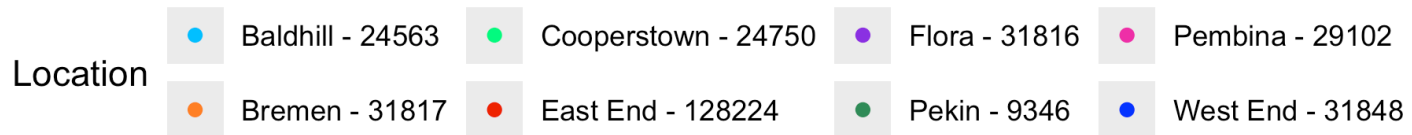
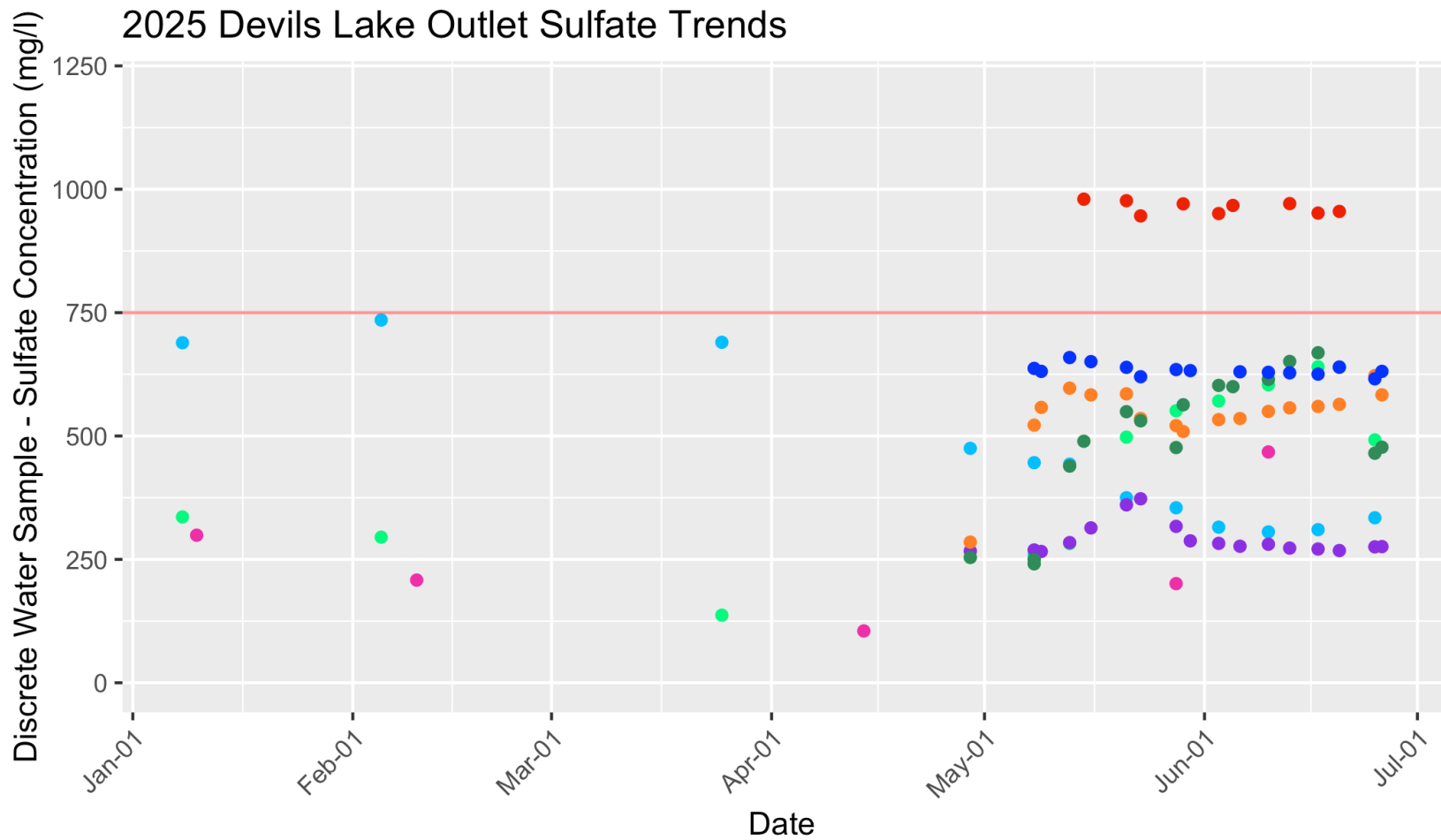
The attached figures and tables contain daily outlet discharges measured from the flow meters and water quality results from samples collected from the outlets and the corresponding upstream and downstream locations. Also included are average daily stream flow data and conductivity data obtained from 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



6/30/25

[illegible]

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
6/1/25	6/30/25

Devils Lake West Outlet

10423

ac-ft over

30

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.57	8.92	8.66	SU	2 X Week	GRAB
SULFATE	616	640	628	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	623	633	629	mg/L	Average	GRAB
OUTLET DISCHARGE	159	179	175	cfs	Continuous	Recorder
SIGNATURE					701-328-9049	
NAME AND TITLE	YAPING CHI, WATER RESOURCES ENGINEER, WATER DEVELOPMENT DIVISION			7/22/25	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
6/1/25	6/30/25

Devils Lake East Outlet

7898

ac-ft over

30

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.54	8.95	8.73	SU	2 X Week	GRAB
SPECIFIC CONDUCTANCE	2710	2940	2838	µS/cm	Continuous	Recorder
SULFATE	951	971	959	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	951	971	959	mg/L	Average	GRAB
OUTLET DISCHARGE	0	167	133	cfs	Continuous	Recorder
SIGNATURE				7/22/25	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
6/1/25	6/30/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.28	8.47	8.39	SU	2 X Week	GRAB
SPECIFIC CONDUCTANCE	1480	1580	1537	µS/cm	Continuous	Recorder
SULFATE	268	282	275	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	269	282	276	mg/L	Average	GRAB
FLOW, INSTREAM	29.9	89.3	51.4	cfs	Continuous	Recorder
SIGNATURE				7/22/25	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: 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
6/1/25	6/30/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE					
pH	8.44	8.89	8.59	SU	2 X Week	GRAB					
SPECIFIC CONDUCTANCE	1820	2010	1927	µS/cm	Continuous	Recorder					
SULFATE	533	622	563	mg/L	2 X Week	GRAB					
7 DAY AVERAGE OF SULFATE	533	603	560	mg/L	Average	GRAB					
FLOW, INSTREAM	222	291	222	cfs	Continuous	Recorder					
SIGNATURE				7/22/25	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: DOWNSTREAM OF BOTH OUTLETS (PEKIN)

FACILITY: Devils Lake Outlet Project

LOCATION: Nelson Co, ND

MONITORING PERIOD	
START DATE	END DATE
6/1/25	6/30/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.32	8.72	8.46	SU	2 X Week	GRAB
SULFATE	465	669	590	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	471	660	598	mg/L	Average	GRAB
FLOW, INSTREAM	NA	NA	NA	cfs	Continuous	Recorder
SIGNATURE				7/22/25	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
6/1/25	6/30/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE					
pH	8.35	8.5	8.42	SU	1 X Week	GRAB					
SPECIFIC CONDUCTANCE	1850	2180	2030	µS/cm	Continuous	Recorder					
SULFATE	492	640	577	mg/L	1 X Week	GRAB					
7 DAY AVERAGE OF SULFATE	492	640	577	mg/l	Average	GRAB					
FLOW, INSTREAM	456	830	562	cfs	Continuous	Recorder					
SIGNATURE				7/22/25	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		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		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)
6/1/2025	89	1480	179	15487000	291	1800	148	12767000	143	2940	655	1960	327	28254000
6/2/2025	81	1480	178	15420000	285	1800	151	13071000	153	2940	655	1980	330	28491000
6/3/2025	76	1480	178	15399000	275	1820	128	11056000	122	2940	636	1990	306	26455000
6/4/2025	72	1480	177	15327000	266	1900	161	13889000	159	2940	617	2000	338	29216000
6/5/2025	67	1480	177	15252000	262	1900	160	13792000	158	2940	592	2010	336	29044000
6/6/2025	62	1500	177	15269000	256	1900	155	13430000	153	2940	568	2020	332	28699000
6/7/2025	59	1510	176	15190000	250	1910	152	13097000	151	2940	561	2050	327	28287000
6/8/2025	55	1510	173	14935000	238	1910	117	10081000	118	2930	549	2070	290	25016000
6/9/2025	58	1500	175	15086720	239	1900	122	10500000	114	2910	533	2080	296	25586720
6/10/2025	59	1510	176	15231360	245	1890	144	12415000	141	2890	520	2100	320	27646360
6/11/2025	58	1510	176	15208000	245	1900	145	12522000	141	2850	486	2110	321	27730000
6/12/2025	55	1510	175	15124000	247	1910	144	12428000	141	2850	471	2100	319	27552000
6/13/2025	52	-	175	15134000	246	1930	143	12380000	140	2830	468	2120	318	27514000
6/14/2025	49	1520	176	15244000	243	1950	143	12378000	140	2840	464	2140	320	27622000
6/15/2025	46	1530	177	15277000	239	1950	143	12380000	140	2800	457	2160	320	27657000
6/16/2025	43	1520	171	14770000	241	1950	143	12379000	141	2760	457	2160	314	27149000
6/17/2025	41	1550	174	14999000	235	1970	142	12288000	139	2770	456	2180	316	27287000
6/18/2025	40	1570	172	14902000	230	1960	155	13413000	149	2730	457	2180	328	28315000
6/19/2025	38	1560	176	15197000	229	1970	165	14271000	160	2720	458	2200	341	29468000
6/20/2025	37	1570	174	15070000	234	1970	160	13789000	162	2710	473	2200	334	28859000
6/21/2025	37	1550	173	14936000	267	1990	75	6504777	75	2800	518	2170	248	21440777
6/22/2025	33	1550	159	13762000	238	1990	167	14439600	167	2800	583	2110	326	28201600
6/23/2025	38	1580	179	15452000	222	1990	93	8005023	85	-	830	1950	271	23457023
6/24/2025	33	1570	173	14988000	227	2000	0	0	1	2630	824	1610	173	14988000
6/25/2025	30	1570	177	15288000	-	-	0	0	1	2400	748	1850	177	15288000
6/26/2025	30	1580	175	15087000	227	2010	96	8325270	104	2880	667	1850	271	23412270
6/27/2025	35	1570	175	15120000	227	2020	165	14285700	165	2790	549	1790	340	29405700
6/28/2025	49	1530	175	15085000	244	1980	162	14002200	162	2840	498	1630	337	29087200
6/29/2025	60	1480	178	15416000	-	-	159	13771800	159	2880	535	1580	338	29187800
6/30/2025	61	1460	178	15364000	-	-	143	12372300	142	2880	565	1960	321	27736300
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimum	30	1460	159	13762000	222	1800	0	0	0.89	2400	456	1580	159	13762000
Maximum	89	1580	179	15487000	291	2020	167	14439600	167	2940	830	2200	346	29926600
Average	51	1474	175	15134003	222	1863	133	11467756	131	2736	562	1945	308	26601758
			Total (Mgal)	3396			Total (Mgal)	2573					Total (Mgal)	5969
			Total (Ac-ft)	10423			Total (Ac-ft)	7898					Total (Ac-ft)	18321

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)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	Number of samples included in 7- day Average
6/1/25	-	-	-	-	-	-	-
6/2/25	-	-	-	-	-	-	-
6/3/25	8:06:00	1480	8.37	282	282	NA	1
6/4/25	-	-	-	-	-	-	-
6/5/25	-	-	-	-	-	-	-
6/6/25	7:06:00	1500	8.28	277	280	NA	2
6/7/25	-	-	-	-	-	-	-
6/8/25	-	-	-	-	-	-	-
6/9/25	-	-	-	-	-	-	-
6/10/25	8:06:00	1510	8.4	281	279	15	2
6/11/25	-	-	-	-	-	-	-
6/12/25	-	-	-	-	-	-	-
6/13/25	6:06:00	-	8.47	273	277	NA	2
6/14/25	-	-	-	-	-	-	-
6/15/25	-	-	-	-	-	-	-
6/16/25	-	-	-	-	-	-	-
6/17/25	7:06:00	1550	8.4	271	272	NA	2
6/18/25	-	-	-	-	-	-	-
6/19/25	-	-	-	-	-	-	-
6/20/25	8:06:00	1570	8.43	268	269	NA	2
6/21/25	-	-	-	-	-	-	-
6/22/25	-	-	-	-	-	-	-
6/23/25	-	-	-	-	-	-	-
6/24/25	-	-	-	-	-	-	-
6/25/25	8:06:00	1570	8.41	275	272	NA	2
6/26/25	11:06:00	1580	8.36	276	276	NA	2
6/27/25	-	-	-	-	-	-	-
6/28/25	-	-	-	-	-	-	-
6/29/25	-	-	-	-	-	-	-
6/30/25	-	-	-	-	-	-	-
Minimum		1480	8.28	268	269	15	
Maximum		1580	8.47	282	282	15	
Average		1537	8.39	275	276	15	

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 (uS/cm)	pH	Sulfate (mg/L)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	Number of samples included in 7-day Average
6/1/25	-	-	-	-	-	-	-
6/2/25	-	-	-	-	-	-	-
6/3/25	-	-	-	-	-	-	-
6/4/25	-	-	-	-	-	-	-
6/5/25	-	-	-	-	-	-	-
6/6/25	7:06:00	-	8.6	630	630	NA	1
6/7/25	-	-	-	-	-	-	-
6/8/25	-	-	-	-	-	-	-
6/9/25	-	-	-	-	-	-	-
6/10/25	19:06:00	-	8.58	629	630	8	2
6/11/25	-	-	-	-	-	-	-
6/12/25	-	-	-	-	-	-	-
6/13/25	6:06:00	-	8.6	628	629	NA	2
6/14/25	-	-	-	-	-	-	-
6/15/25	-	-	-	-	-	-	-
6/16/25	-	-	-	-	-	-	-
6/17/25	8:06:00	-	8.57	625	627	NA	2
6/18/25	-	-	-	-	-	-	-
6/19/25	-	-	-	-	-	-	-
6/20/25	8:06:00	-	8.92	640	633	NA	2
6/21/25	-	-	-	-	-	-	-
6/22/25	-	-	-	-	-	-	-
6/23/25	-	-	-	-	-	-	-
6/24/25	-	-	-	-	-	-	-
6/25/25	8:06:00	-	8.57	616	628	NA	2
6/26/25	11:06:00	-	8.76	631	623	NA	2
6/27/25	-	-	-	-	-	-	-
6/28/25	-	-	-	-	-	-	-
6/29/25	-	-	-	-	-	-	-
6/30/25	-	-	-	-	-	-	-
Minimum			8.57	616	623	8	
Maximum			8.92	640	633	8	
Average			8.66	628	629	8	

Notes:

µS/cm - microsiemens per Centimeter at 25 degrees Celsius

mg/L - milligrams per liter or parts per million

NA - Not analyzed

Sheyenne River Downstream of West End Outlet/Upstream of East End Outlet (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)	Number of samples included in 7- day Average
6/1/25	-	-	-	-	-	-	-
6/2/25	-	-	-	-	-	-	-
6/3/25	7:06:00	1820	8.5	533	533	NA	1
6/4/25	-	-	-	-	-	-	-
6/5/25	-	-	-	-	-	-	-
6/6/25	7:06:00	1900	8.54	536	534	NA	2
6/7/25	-	-	-	-	-	-	-
6/8/25	-	-	-	-	-	-	-
6/9/25	-	-	-	-	-	-	-
6/10/25	7:06:00	1890	8.44	550	543	20	2
6/11/25	-	-	-	-	-	-	-
6/12/25	-	-	-	-	-	-	-
6/13/25	6:06:00	1930	8.68	557	553	NA	2
6/14/25	-	-	-	-	-	-	-
6/15/25	-	-	-	-	-	-	-
6/16/25	-	-	-	-	-	-	-
6/17/25	7:06:00	1970	8.5	560	558	NA	2
6/18/25	-	-	-	-	-	-	-
6/19/25	-	-	-	-	-	-	-
6/20/25	8:06:00	1970	8.89	564	562	NA	2
6/21/25	-	-	-	-	-	-	-
6/22/25	-	-	-	-	-	-	-
6/23/25	-	-	-	-	-	-	-
6/24/25	-	-	-	-	-	-	-
6/25/25	7:06:00	-	8.48	622	593	NA	2
6/26/25	11:06:00	2010	8.65	583	603	NA	2
6/27/25	-	-	-	-	-	-	-
6/28/25	-	-	-	-	-	-	-
6/29/25	-	-	-	-	-	-	-
6/30/25	-	-	-	-	-	-	-
Minimum		1820	8.44	533	533	20	
Maximum		2010	8.89	622	603	20	
Average		1927	8.59	563	560	20	

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

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

Date	Time	Specific Conductance USGS Gage (μ S/cm)	pH	Sulfate (mg/L)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	Number of samples included in 7- day Average
6/1/25	-	-	-	-	-	-	-
6/2/25	-	-	-	-	-	-	-
6/3/25	9:06:00	2940	8.64	951	951	NA	1
6/4/25	-	-	-	-	-	-	-
6/5/25	11:06:00	2940	8.84	967	959	NA	2
6/6/25	-	-	-	-	-	-	-
6/7/25	-	-	-	-	-	-	-
6/8/25	-	-	-	-	-	-	-
6/9/25	-	-	-	-	-	-	-
6/10/25	-	-	-	-	-	-	-
6/11/25	-	-	-	-	-	-	-
6/12/25	-	-	-	-	-	-	-
6/13/25	8:06:00	2830	8.54	971	971	NA	1
6/14/25	-	-	-	-	-	-	-
6/15/25	-	-	-	-	-	-	-
6/16/25	-	-	-	-	-	-	-
6/17/25	9:06:00	2770	8.66	952	961	NA	2
6/18/25	-	-	-	-	-	-	-
6/19/25	-	-	-	-	-	-	-
6/20/25	9:06:00	2710	8.95	955	953	NA	2
6/21/25	-	-	-	-	-	-	-
6/22/25	-	-	-	-	-	-	-
6/23/25	-	-	-	-	-	-	-
6/24/25	-	-	-	-	-	-	-
6/25/25	-	-	-	-	-	-	-
6/26/25	-	-	-	-	-	-	-
6/27/25	-	-	-	-	-	-	-
6/28/25	-	-	-	-	-	-	-
6/29/25	-	-	-	-	-	-	-
6/30/25	-	-	-	-	-	-	-
Minimum		2710	8.54	951	951		
Maximum		2940	8.95	971	971	NA	
Average		2838	8.73	959	959	0	

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 Pekin
Monthly Water Quality Summary
Devils Lake Outlet Discharge Report

Date	Time	Specific Conductance Laboratory Analysis (µS/cm)	pH	Sulfate (mg/L)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	Number of samples included in 7-day Average
6/1/25	-	-	-	-	-	-	-
6/2/25	-	-	-	-	-	-	-
6/3/25	9:06:00	-	8.37	603	603	NA	1
6/4/25	-	-	-	-	-	-	-
6/5/25	11:06:00	-	8.39	600	601	NA	2
6/6/25	-	-	-	-	-	-	-
6/7/25	-	-	-	-	-	-	-
6/8/25	-	-	-	-	-	-	-
6/9/25	-	-	-	-	-	-	-
6/10/25	10:06:00	-	8.42	615	607	74.29	2
6/11/25	-	-	-	-	-	-	-
6/12/25	-	-	-	-	-	-	-
6/13/25	8:06:00	-	8.59	651	633	NA	2
6/14/25	-	-	-	-	-	-	-
6/15/25	-	-	-	-	-	-	-
6/16/25	-	-	-	-	-	-	-
6/17/25	9:06:00	-	8.52	669	660	NA	2
6/18/25	-	-	-	-	-	-	-
6/19/25	-	-	-	-	-	-	-
6/20/25	10:06:00	-	8.72	639	654	NA	2
6/21/25	-	-	-	-	-	-	-
6/22/25	-	-	-	-	-	-	-
6/23/25	-	-	-	-	-	-	-
6/24/25	-	-	-	-	-	-	-
6/25/25	9:06:00	-	8.35	465	552	NA	2
6/26/25	10:06:00	-	8.32	477	471	NA	2
6/27/25	-	-	-	-	-	-	-
6/28/25	-	-	-	-	-	-	-
6/29/25	-	-	-	-	-	-	-
6/30/25	-	-	-	-	-	-	-
Minimum			8.32	465	471	74.29	
Maximum			8.72	669	660	74.29	
Average			8.46	590	598	74	

Notes:

µS/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)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	Number of samples included in 7- day Average
6/1/25	-	-	-	-	-	-	-
6/2/25	-	-	-	-	-	-	-
6/3/25	10:06:00	1990	8.35	571	571	NA	1
6/4/25	-	-	-	-	-	-	-
6/5/25	-	-	-	-	-	-	-
6/6/25	-	-	-	-	-	-	-
6/7/25	-	-	-	-	-	-	-
6/8/25	-	-	-	-	-	-	-
6/9/25	-	-	-	-	-	-	-
6/10/25	11:06:00	2100	8.47	604	604	183.33	1
6/11/25	-	-	-	-	-	-	-
6/12/25	-	-	-	-	-	-	-
6/13/25	-	-	-	-	-	-	-
6/14/25	-	-	-	-	-	-	-
6/15/25	-	-	-	-	-	-	-
6/16/25	-	-	-	-	-	-	-
6/17/25	10:06:00	2180	8.5	640	640	NA	1
6/18/25	-	-	-	-	-	-	-
6/19/25	-	-	-	-	-	-	-
6/20/25	-	-	-	-	-	-	-
6/21/25	-	-	-	-	-	-	-
6/22/25	-	-	-	-	-	-	-
6/23/25	-	-	-	-	-	-	-
6/24/25	-	-	-	-	-	-	-
6/25/25	10:06:00	1850	8.35	492	492	NA	1
6/26/25	-	-	-	-	-	-	-
6/27/25	-	-	-	-	-	-	-
6/28/25	-	-	-	-	-	-	-
6/29/25	-	-	-	-	-	-	-
6/30/25	-	-	-	-	-	-	-
Minimum		1850	8.35	492	492	183.33	
Maximum		2180	8.5	640	640	183.33	
Average		2030	8.42	577	577	183	

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