

September 15, 2025

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

RE: August 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 August 2025 is enclosed.

The Devils Lake West End Outlet discharge remained at approximately 200 cubic feet per second (cfs) throughout August, except for a brief reduction to 125 cfs from the 15th to 18th due to weed clogging at the intake. It was then shut off on the 19th and 20th for weed removal in the canal and resumed at 200 cfs on the 21st. The East End Outlet operation has been adjusted from 150 cfs to temporarily shutoff throughout August due to power company maintenance and water quality concerns downstream. The West End Outlet was shut off on the 31st and the East End Outlet was shut off on the 29th to comply with downstream water quality constraints. 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 August.

	Average Discharge Rate (cfs)	Total Discharge Volume (acre-feet)
West End Outlet	143	8,782
East End Outlet	92	5,673
Combined Total Discharge Volume (acre-ft)		14,455

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,

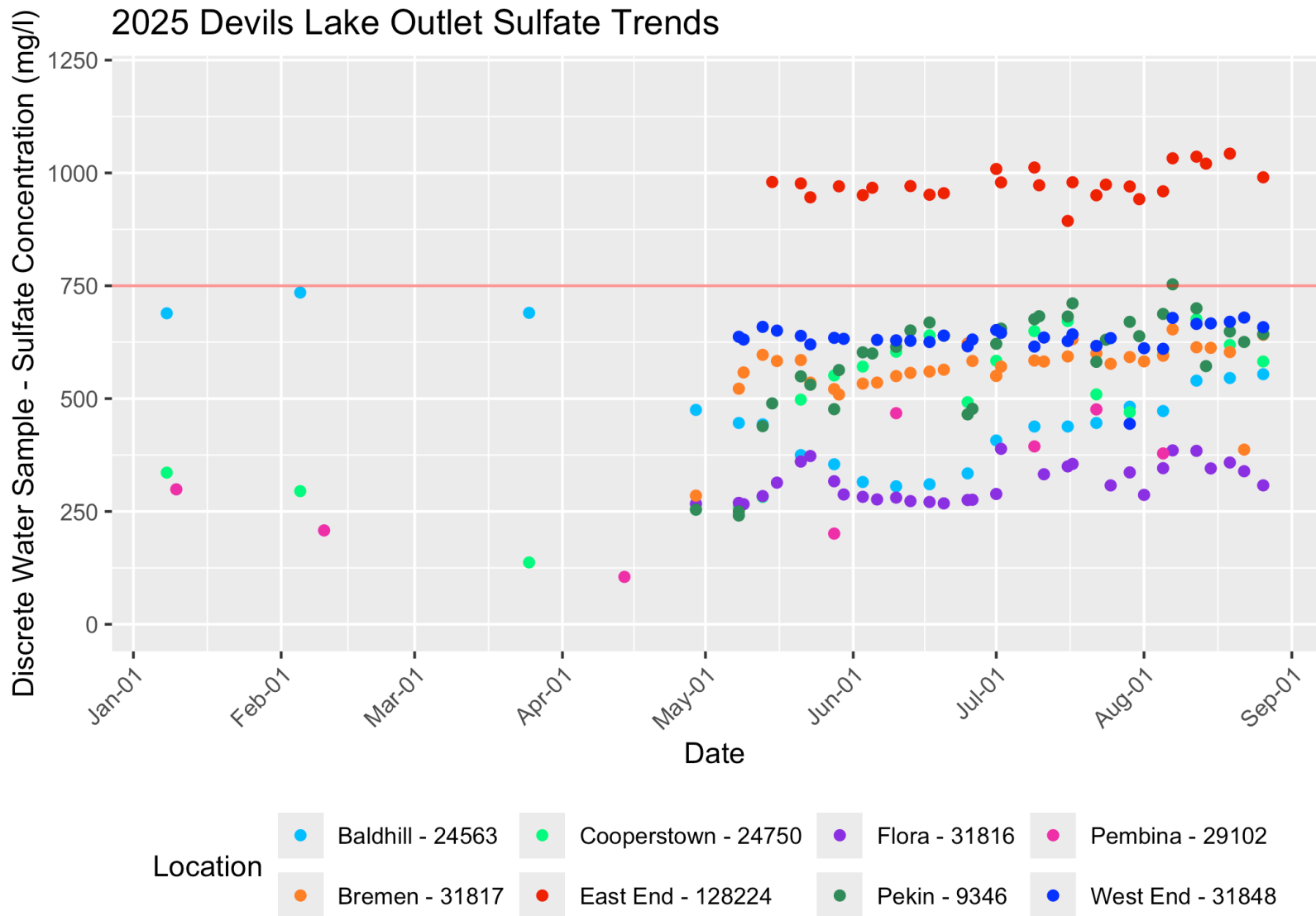


Yaping Chi, P.E.

Water Resource Engineer, Water Development Division

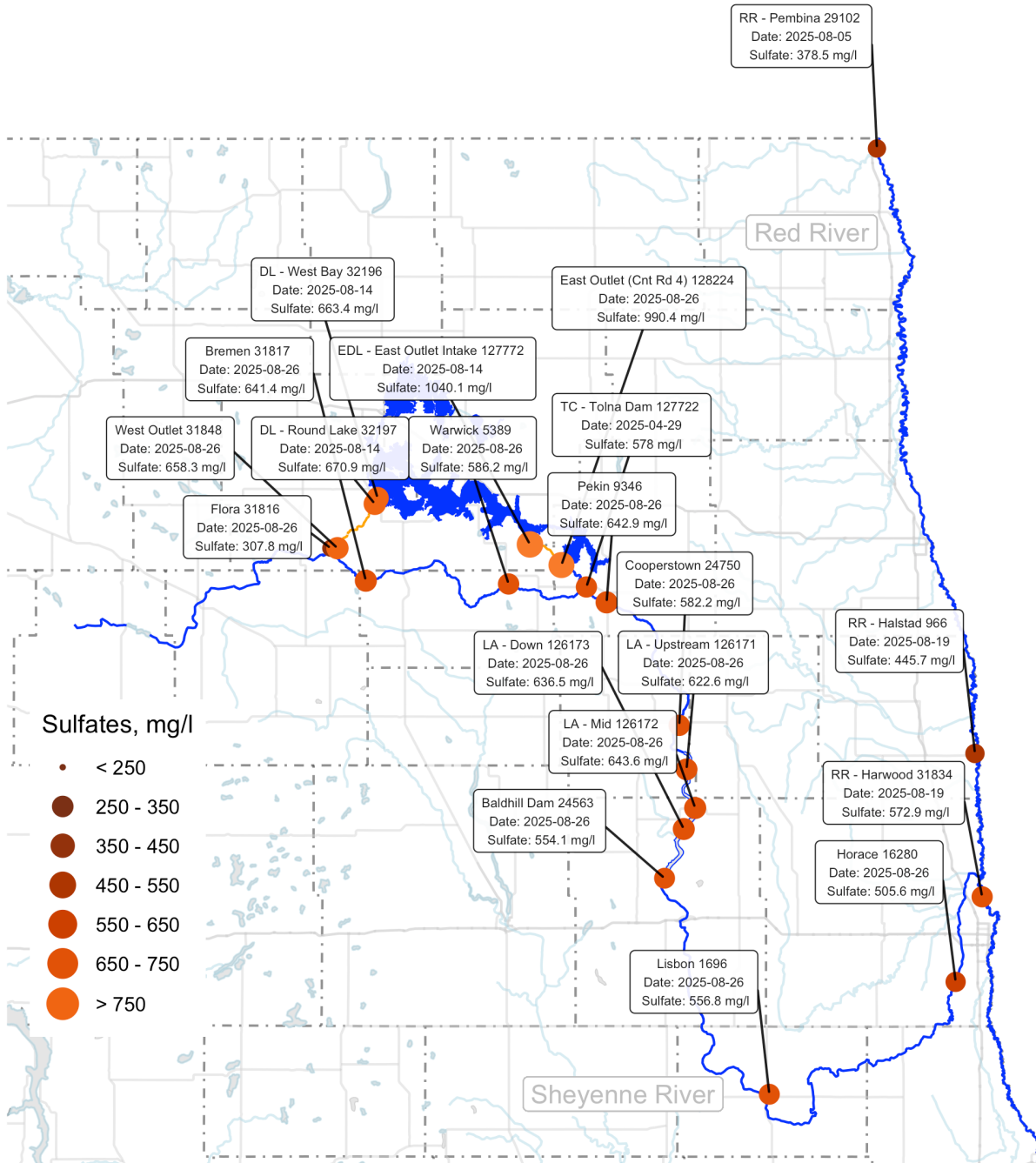
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Enclosure



Devils Lake Outlet Operations Sulfate Concentrations

8/31/25



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
8/1/25	8/31/25

Devils Lake West Outlet

8778

ac-ft over

31

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.46	8.75	8.57	SU	2 X Week	GRAB
SULFATE	610	680	655	mg/l	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	611	675	652	mg/L	Average	GRAB
OUTLET DISCHARGE	0	174	143	cfs	Continuous	Recorder
SIGNATURE				9/8/25	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: EAST END OUTLET

FACILITY: Devils Lake Outlet Project

LOCATION: Ramsey, Benson, Nelson Co, ND

MONITORING PERIOD	
START DATE	END DATE
8/1/25	8/31/25

Devils Lake East Outlet

5673

ac-ft over

31

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.56	8.73	8.67	SU	2 X Week	GRAB
SPECIFIC CONDUCTANCE	3040	3290	3157	µS/cm	Continuous	Recorder
SULFATE	959	1043	1014	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	959	1034	1007	mg/l	Average	GRAB
OUTLET DISCHARGE	0	163	92	cfs	Continuous	Recorder
SIGNATURE				9/8/25	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
8/1/25	8/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.01	8.27	8.18	SU	2 X Week	GRAB
SPECIFIC CONDUCTANCE	1250	1510	1400	µS/cm	Continuous	Recorder
SULFATE	287	385	344	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	287	385	343	mg/l	Average	GRAB
FLOW, INSTREAM	12	58	29	cfs	Continuous	Recorder
SIGNATURE				9/8/25	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
8/1/25	8/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.4	8.54	8.48	SU	2 X Week	GRAB
SPECIFIC CONDUCTANCE	1990	2120	2030	µS/cm	Continuous	Recorder
SULFATE	387	653	586	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	495	634	583	mg/l	Average	GRAB
FLOW, INSTREAM	48	275	206	cfs	Continuous	Recorder
SIGNATURE				9/8/25	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
8/1/25	8/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.37	8.47	8.42	SU	2 X Week	GRAB
SULFATE	572	753	661	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	610	727	665	mg/L	Average	GRAB
FLOW, INSTREAM	NA	NA	NA	cfs	Continuous	Recorder
SIGNATURE					701-328-9049	
NAME AND TITLE	YAPING CHI, WATER RESOURCES ENGINEER, WATER DEVELOPMENT DIVISION			9/8/25	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
 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: DOWNSTREAM OF BOTH OUTLETS (COOPERSTOWN)

FACILITY: Devils Lake Outlet Project

LOCATION: Griggs Co, ND

MONITORING PERIOD	
START DATE	END DATE
8/1/25	8/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.36	8.46	8.41	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	2000	2150	2085	µS/cm	Continuous	Recorder
SULFATE	582	676	619	mg/L	1 X Week	GRAB
7 DAY AVERAGE OF SULFATE	582	676	619	mg/l	Average	GRAB
FLOW, INSTREAM	180	581	419	cfs	Continuous	Recorder
SIGNATURE				9/8/25	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)
8/1/2025	12	1250	169	14568960	216	2000	163	14042000	156	3030	581	2030	331	28610960
8/2/2025	12	1340	169	14560760	215	1990	161	13894000	157	3050	543	2040	329	28454760
8/3/2025	15	1420	170	14716280	215	2010	163	14058000	156	3090	516	2070	333	28774280
8/4/2025	15	1480	169	14615040	215	2030	163	14085000	158	3090	497	2100	332	28700040
8/5/2025	15	1500	171	14747680	214	2030	163	14095000	158	3080	483	2140	334	28842680
8/6/2025	13	1510	172	14818000	213	2110	162	13969000	158	3070	484	2160	333	28787000
8/7/2025	12	-	168	14550040	211	2120	163	14058000	157	3040	480	2200	331	28608040
8/8/2025	16	1510	122	10575000	222	2120	137	11804000	134	3050	495	2200	259	22379000
8/9/2025	29	1450	172	14895000	223	2060	158	13679000	152	3070	502	2190	331	28574000
8/10/2025	40	1370	173	14943000	260	2040	159	13729000	151	3030	515	2170	332	28672000
8/11/2025	51	1360	161	13952000	271	2000	152	13134000	155	3160	510	2170	313	27086000
8/12/2025	58	1330	122	10498000	275	1990	95	8234000	146	3120	523	2150	217	18732000
8/13/2025	52	1330	170	14725118	274	1970	2	155000	12	3100	525	2160	172	14880118
8/14/2025	44	1280	162	14121430	267	2010	91	7866000	79	3170	527	2150	253	21987430
8/15/2025	44	1280	174	15002000	260	1990	78	6714000	76	3180	499	2130	251	21716000
8/16/2025	39	1410	149	12861000	264	1980	80	6939000	81	3190	425	2120	229	19800000
8/17/2025	30	1420	103	8921000	214	1970	80	6891000	82	3180	417	2010	183	15812000
8/18/2025	29	1410	86	7414000	156	1970	79	6828000	81	3230	428	2000	165	14242000
8/19/2025	30	1430	0	0	112	1990	79	6863000	83	3240	422	2000	79	6863000
8/20/2025	31	1470	0	0	55	1990	80	6879000	85	3200	407	2040	80	6879000
8/21/2025	31	1490	87	7503000	48	1930	23	2021000	34	3210	390	2070	110	9524000
8/22/2025	36	1500	161	13879000	123	2060	0	0	1	3180	365	2070	161	13879000
8/23/2025	35	1500	130	11236000	181	2040	56	4861000	52	3020	330	2070	186	16097000
8/24/2025	32	1520	152	13092000	194	2040	80	6897000	85	3240	267	2080	231	19989000
8/25/2025	29	1520	171	14735000	199	2060	49	4249000	57	3300	203	2070	220	18984000
8/26/2025	27	1510	170	14647000	204	2060	48	4158000	51	3290	180	2050	218	18805000
8/27/2025	25	1520	169	14634000	210	2060	69	5949000	68	3270	234	1930	238	20583000
8/28/2025	23	-	169	14637000	217	2060	79	6836000	83	3290	278	2220	249	21473000
8/29/2025	23	1550	170	14646000	222	2080	49	4226000	57	3280	300	2220	218	18872000
8/30/2025	21	1560	170	14655000	220	2090	0	0	1	2990	322	2090	170	14655000
8/31/2025	19	1560	97	8405000	217	2090	0	0	0	3260	331	2130	97	8405000
Minimum	12	1250	0	0	48	1930	0	0	0	2990	180	1930	0	0
Maximum	58	1560	174	15002000	275	2120	163	14095000	158	3300	581	2220	337	29097000
Average	29	1393	143	12335089	206	1966.9	92	7971387	94	3053	419	2038	235	20306476
			Total (Mgal)	2862			Total (Mgal)	1848					Total (Mgal)	4710
			Total (Ac-ft)	8782			Total (Ac-ft)	5673					Total (Ac-ft)	14455

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)	7 Day Rolling Average of Sulfate (mg/L)	Total Suspended Solids (mg/L)	Number of samples included in 7- day Average
8/1/25	8:08:00	1250	8.1	287	287	NA	1
8/2/25	-	-	-	-	-	-	-
8/3/25	-	-	-	-	-	-	-
8/4/25	-	-	-	-	-	-	-
8/5/25	8:08:00	1500	8.27	346	316	32.5	2
8/6/25	-	-	-	-	-	-	-
8/7/25	9:08:00	-	8.23	385	366	NA	2
8/8/25	-	-	-	-	-	-	-
8/9/25	-	-	-	-	-	-	-
8/10/25	-	-	-	-	-	-	-
8/11/25	-	-	-	-	-	-	-
8/12/25	8:08:00	1330	8.25	384	385	NA	2
8/13/25	-	-	-	-	-	-	-
8/14/25	-	-	-	-	-	-	-
8/15/25	6:08:00	1280	8.01	345	365	NA	2
8/16/25	-	-	-	-	-	-	-
8/17/25	-	-	-	-	-	-	-
8/18/25	-	-	-	-	-	-	-
8/19/25	8:08:00	1430	8.24	358	352	NA	2
8/20/25	-	-	-	-	-	-	-
8/21/25	-	-	-	-	-	-	-
8/22/25	8:08:00	1500	-	339	349	NA	2
8/23/25	-	-	-	-	-	-	-
8/24/25	-	-	-	-	-	-	-
8/25/25	-	-	-	-	-	-	-
8/26/25	8:08:00	1510	-	308	323	NA	2
8/27/25	-	-	-	-	-	-	-
8/28/25	-	-	-	-	-	-	-
8/29/25	-	-	-	-	-	-	-
8/30/25	-	-	-	-	-	-	-
8/31/25	-	-	-	-	-	-	-
Minimum		1250	8.01	287	287	32.5	
Maximum		1510	8.27	385	385	32.5	
Average		1400	8.18	344	343	33	

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

**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
8/1/25	8:08:00	-	8.5	612	612	NA	1
8/2/25	-	-	-	-	-	-	-
8/3/25	-	-	-	-	-	-	-
8/4/25	-	-	-	-	-	-	-
8/5/25	8:08:00	-	8.46	610	611	5	2
8/6/25	-	-	-	-	-	-	-
8/7/25	9:08:00	-	8.51	679	645	NA	2
8/8/25	-	-	-	-	-	-	-
8/9/25	-	-	-	-	-	-	-
8/10/25	-	-	-	-	-	-	-
8/11/25	-	-	-	-	-	-	-
8/12/25	8:08:00	-	8.61	666	672	NA	2
8/13/25	-	-	-	-	-	-	-
8/14/25	-	-	-	-	-	-	-
8/15/25	6:08:00	-	8.75	667	666	NA	2
8/16/25	-	-	-	-	-	-	-
8/17/25	-	-	-	-	-	-	-
8/18/25	-	-	-	-	-	-	-
8/19/25	8:08:00	-	8.59	670	668	NA	2
8/20/25	-	-	-	-	-	-	-
8/21/25	-	-	-	-	-	-	-
8/22/25	8:08:00	-	-	680	675	NA	2
8/23/25	-	-	-	-	-	-	-
8/24/25	-	-	-	-	-	-	-
8/25/25	-	-	-	-	-	-	-
8/26/25	8:08:00	-	-	658	669	NA	2
8/27/25	-	-	-	-	-	-	-
8/28/25	-	-	-	-	-	-	-
8/29/25	-	-	-	-	-	-	-
8/30/25	-	-	-	-	-	-	-
8/31/25	-	-	-	-	-	-	-
Minimum			8.46	610	611	5	
Maximum			8.75	680	675	5	
Average			8.57	655	652	5	

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
8/1/25	7:08:00	2000	8.4	583	583	NA	1
8/2/25	-	-	-	-	-	-	-
8/3/25	-	-	-	-	-	-	-
8/4/25	-	-	-	-	-	-	-
8/5/25	7:08:00	2030	8.49	595	589	42	2
8/6/25	-	-	-	-	-	-	-
8/7/25	9:08:00	2120	8.48	653	624	NA	2
8/8/25	-	-	-	-	-	-	-
8/9/25	-	-	-	-	-	-	-
8/10/25	-	-	-	-	-	-	-
8/11/25	-	-	-	-	-	-	-
8/12/25	7:08:00	1990	8.53	614	634	NA	2
8/13/25	-	-	-	-	-	-	-
8/14/25	-	-	-	-	-	-	-
8/15/25	8:08:00	1990	8.54	613	613	NA	2
8/16/25	-	-	-	-	-	-	-
8/17/25	-	-	-	-	-	-	-
8/18/25	-	-	-	-	-	-	-
8/19/25	7:08:00	1990	8.43	603	608	NA	2
8/20/25	-	-	-	-	-	-	-
8/21/25	-	-	-	-	-	-	-
8/22/25	9:08:00	2060	-	387	495	NA	2
8/23/25	-	-	-	-	-	-	-
8/24/25	-	-	-	-	-	-	-
8/25/25	-	-	-	-	-	-	-
8/26/25	7:08:00	2060	-	641	514	NA	2
8/27/25	-	-	-	-	-	-	-
8/28/25	-	-	-	-	-	-	-
8/29/25	-	-	-	-	-	-	-
8/30/25	-	-	-	-	-	-	-
8/31/25	-	-	-	-	-	-	-
Minimum		1990	8.4	387	495	42	
Maximum		2120	8.54	653	634	42	
Average		2030	8.48	586	583	42	

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
8/1/25	-	-	-	-	-	-	-
8/2/25	-	-	-	-	-	-	-
8/3/25	-	-	-	-	-	-	-
8/4/25	-	-	-	-	-	-	-
8/5/25	9:08:00	3080	8.67	959	959	20	1
8/6/25	-	-	-	-	-	-	-
8/7/25	11:08:00	3040	8.68	1033	996	NA	2
8/8/25	-	-	-	-	-	-	-
8/9/25	-	-	-	-	-	-	-
8/10/25	-	-	-	-	-	-	-
8/11/25	-	-	-	-	-	-	-
8/12/25	9:08:00	3120	8.71	1036	1034	NA	2
8/13/25	-	-	-	-	-	-	-
8/14/25	10:08:00	3170	8.56	1021	1028	NA	2
8/15/25	-	-	-	-	-	-	-
8/16/25	-	-	-	-	-	-	-
8/17/25	-	-	-	-	-	-	-
8/18/25	-	-	-	-	-	-	-
8/19/25	9:08:00	3240	8.73	1043	1032	NA	2
8/20/25	-	-	-	-	-	-	-
8/21/25	-	-	-	-	-	-	-
8/22/25	-	-	-	-	-	-	-
8/23/25	-	-	-	-	-	-	-
8/24/25	-	-	-	-	-	-	-
8/25/25	-	-	-	-	-	-	-
8/26/25	9:08:00	3290	-	990	990	NA	1
8/27/25	-	-	-	-	-	-	-
8/28/25	-	-	-	-	-	-	-
8/29/25	-	-	-	-	-	-	-
8/30/25	-	-	-	-	-	-	-
8/31/25	-	-	-	-	-	-	-
Minimum		3040	8.56	959	959	20	
Maximum		3290	8.73	1043	1034	20	
Average		3157	8.67	1014	1007	20	

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
8/1/25	-	-	-	-	-	-	-
8/2/25	-	-	-	-	-	-	-
8/3/25	-	-	-	-	-	-	-
8/4/25	-	-	-	-	-	-	-
8/5/25	10:08:00	-	8.44	688	688	32	1
8/6/25	-	-	-	-	-	-	-
8/7/25	10:08:00	-	8.45	753	720	NA	2
8/8/25	-	-	-	-	-	-	-
8/9/25	-	-	-	-	-	-	-
8/10/25	-	-	-	-	-	-	-
8/11/25	-	-	-	-	-	-	-
8/12/25	9:08:00	-	8.47	700	727	NA	2
8/13/25	-	-	-	-	-	-	-
8/14/25	11:08:00	-	8.37	572	636	NA	2
8/15/25	-	-	-	-	-	-	-
8/16/25	-	-	-	-	-	-	-
8/17/25	-	-	-	-	-	-	-
8/18/25	-	-	-	-	-	-	-
8/19/25	10:08:00	-	8.39	649	610	NA	2
8/20/25	-	-	-	-	-	-	-
8/21/25	-	-	-	-	-	-	-
8/22/25	10:08:00	-	-	626	637	NA	2
8/23/25	-	-	-	-	-	-	-
8/24/25	-	-	-	-	-	-	-
8/25/25	-	-	-	-	-	-	-
8/26/25	9:08:00	-	-	643	634	NA	2
8/27/25	-	-	-	-	-	-	-
8/28/25	-	-	-	-	-	-	-
8/29/25	-	-	-	-	-	-	-
8/30/25	-	-	-	-	-	-	-
8/31/25	-	-	-	-	-	-	-
Minimum			8.37	572	610	32	
Maximum			8.47	753	727	32	
Average			8.42	661	665	32	

Notes:

µS/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

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
8/1/25	-	-	-	-	-	-	-
8/2/25	-	-	-	-	-	-	-
8/3/25	-	-	-	-	-	-	-
8/4/25	-	-	-	-	-	-	-
8/5/25	11:08:00	2140	8.4	599	599	76.67	1
8/6/25	-	-	-	-	-	-	-
8/7/25	-	-	-	-	-	-	-
8/8/25	-	-	-	-	-	-	-
8/9/25	-	-	-	-	-	-	-
8/10/25	-	-	-	-	-	-	-
8/11/25	-	-	-	-	-	-	-
8/12/25	10:08:00	2150	8.46	676	676	NA	1
8/13/25	-	-	-	-	-	-	-
8/14/25	-	-	-	-	-	-	-
8/15/25	-	-	-	-	-	-	-
8/16/25	-	-	-	-	-	-	-
8/17/25	-	-	-	-	-	-	-
8/18/25	-	-	-	-	-	-	-
8/19/25	11:08:00	2000	8.36	619	619	NA	1
8/20/25	-	-	-	-	-	-	-
8/21/25	-	-	-	-	-	-	-
8/22/25	-	-	-	-	-	-	-
8/23/25	-	-	-	-	-	-	-
8/24/25	-	-	-	-	-	-	-
8/25/25	-	-	-	-	-	-	-
8/26/25	10:08:00	2050	-	582	582	NA	1
8/27/25	-	-	-	-	-	-	-
8/28/25	-	-	-	-	-	-	-
8/29/25	-	-	-	-	-	-	-
8/30/25	-	-	-	-	-	-	-
8/31/25	-	-	-	-	-	-	-
Minimum		2000	8.36	582	582	76.67	
Maximum		2150	8.46	676	676	76.67	
Average		2085	8.41	619	619	77	

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