

August 15, 2025

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

RE: July 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 July 2025 is enclosed.

The Devils Lake West End Outlet discharge remained at approximately 200 cubic feet per second (cfs) for the entire month of July except for a brief reduction on July 15th when the discharge was reduced to 125 cfs due to clogging of the intake screen by weeds. The East End Outlet discharge remained at approximately 150 cfs for the entire month of July. 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 July.

	Average Discharge Rate (cfs)	Total Discharge Volume (acre-feet)
West End Outlet	167	10,297
East End Outlet	156	9,590
Combined Total Discharge Volume (acre-ft)		19,888

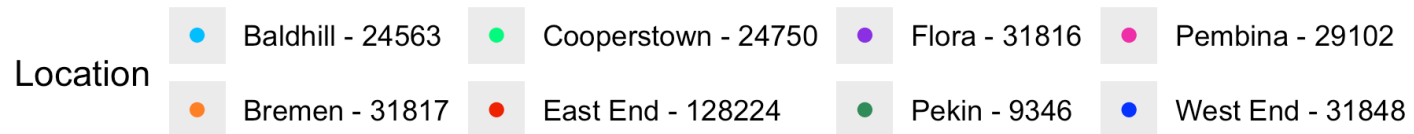
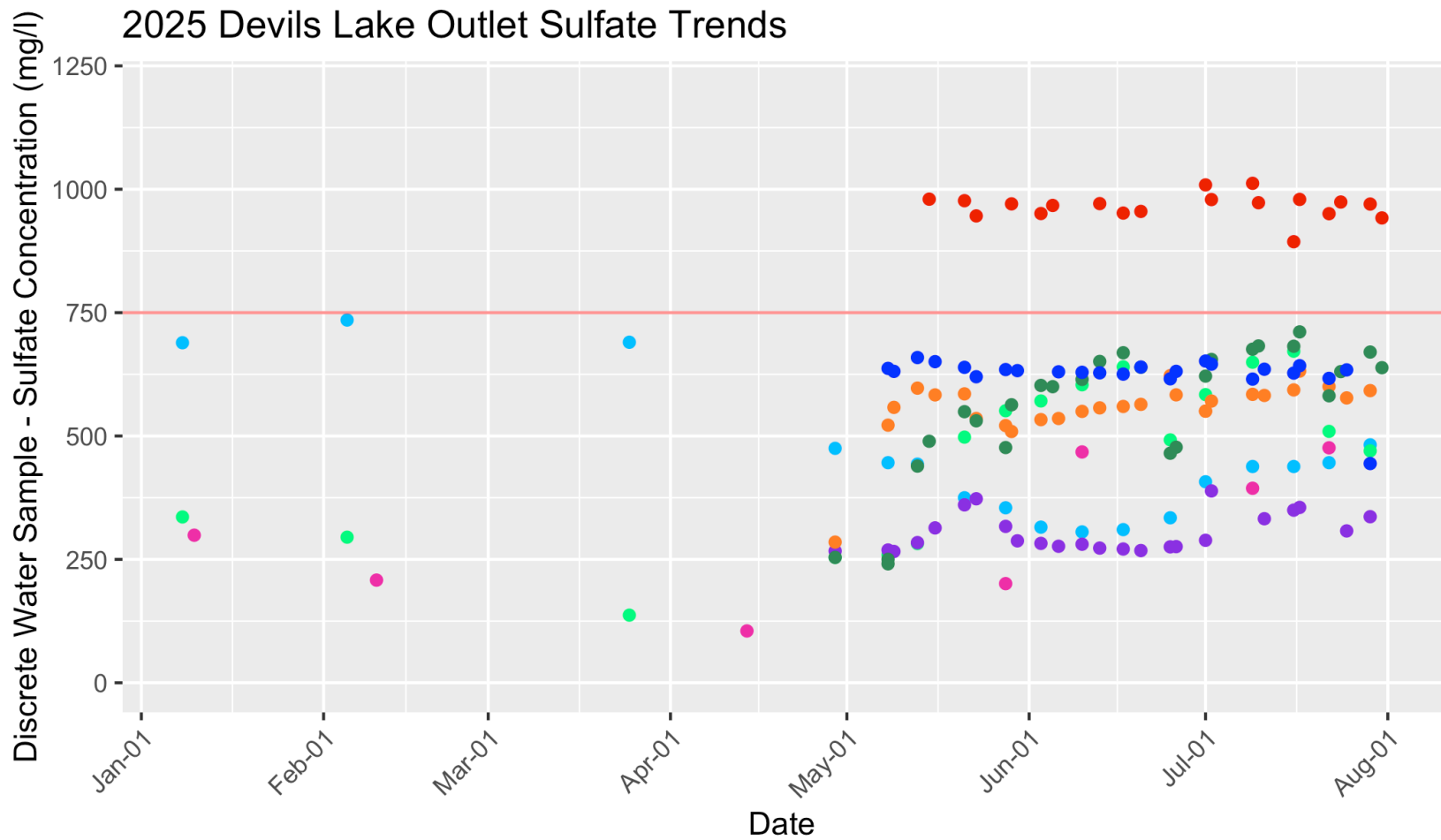
The attached figures and tables contain daily outlet discharges measured from the flow meters and water quality results from samples collected from the outlets and the corresponding upstream and downstream locations. Also included are average daily stream flow data and conductivity data obtained from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

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

Sincerely,

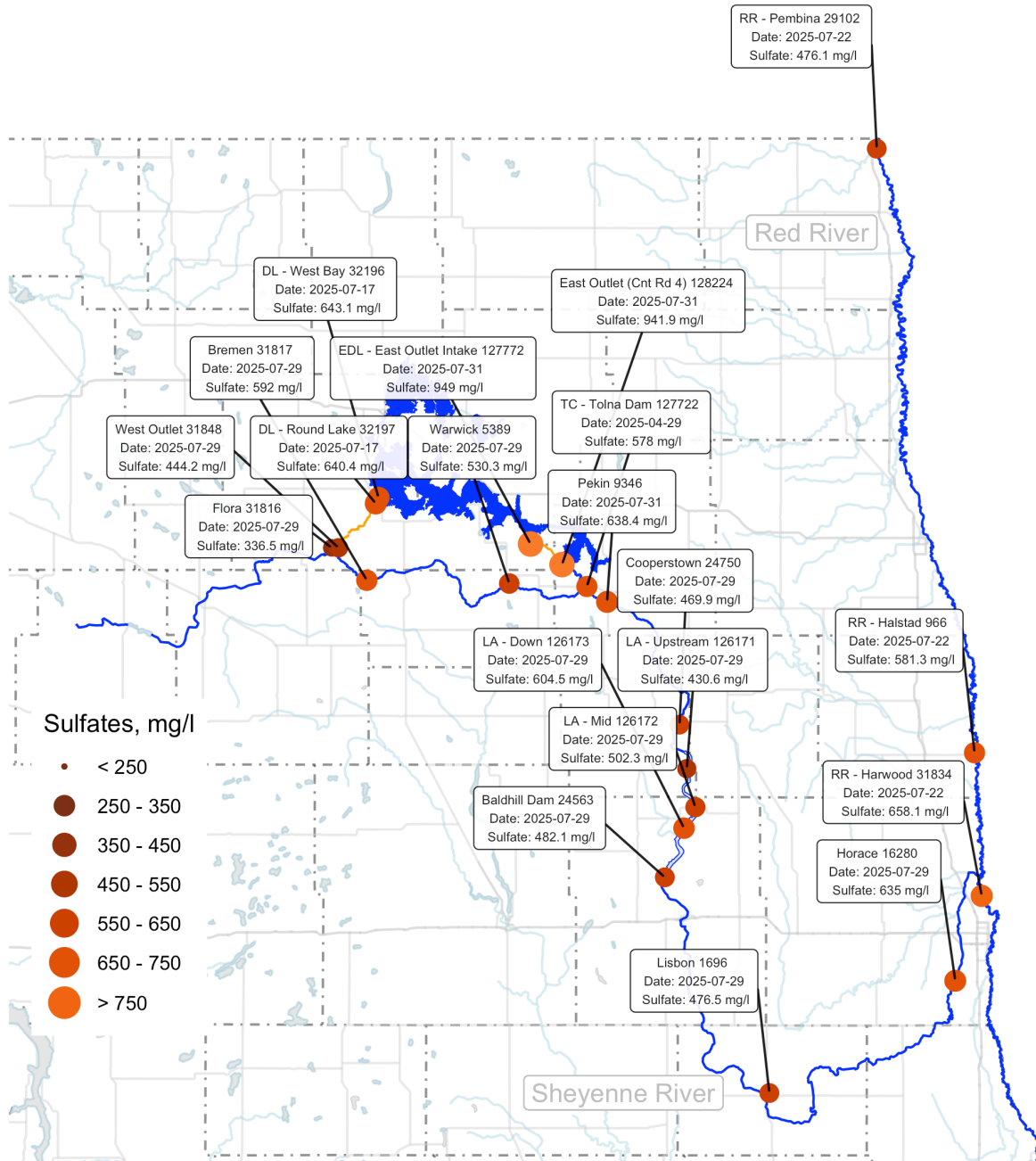


Yaping Chi, P.E.
Water Resource Engineer, Water Development Division
YC:/416-10
Enclosure



Devils Lake Outlet Operations Sulfate Concentrations

7/31/25



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
7/1/25	7/31/25

Devils Lake West Outlet

10297

ac-ft over

31

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.39	8.83	8.68	SU	2 X Week	GRAB
SULFATE	444	652	613	mg/l	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	539	652	622	mg/L	Average	GRAB
OUTLET DISCHARGE	103	176	167	cfs	Continuous	Recorder
SIGNATURE				8/14/25	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
7/1/25	7/31/25

Devils Lake East Outlet

9590

ac-ft over

31

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.63	8.85	8.73	SU	2 X Week	GRAB
SPECIFIC CONDUCTANCE	2760	3130	2969	µS/cm	Continuous	Recorder
SULFATE	894	1012	968	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	894	1012	969	mg/l	Average	GRAB
OUTLET DISCHARGE	105	168	156	cfs	Continuous	Recorder
SIGNATURE				8/14/25	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
7/1/25	7/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.08	8.48	8.32	SU	2 X Week	GRAB
SPECIFIC CONDUCTANCE	1290	1620	1479	µS/cm	Continuous	Recorder
SULFATE	289	389	337	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	289	353	326	mg/l	Average	GRAB
FLOW, INSTREAM	14	58	32	cfs	Continuous	Recorder
SIGNATURE				8/14/25	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
7/1/25	7/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.45	8.83	8.66	SU	2 X Week	GRAB
SPECIFIC CONDUCTANCE	1940	1990	1973	µS/cm	Continuous	Recorder
SULFATE	550	632	583	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	550	616	585	mg/l	Average	GRAB
FLOW, INSTREAM	162	258	218	cfs	Continuous	Recorder
SIGNATURE				8/14/25	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
7/1/25	7/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.41	8.66	8.51	SU	2 X Week	GRAB
SULFATE	582	711	655	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	606	696	655	mg/L	Average	GRAB
FLOW, INSTREAM	NA	NA	NA	cfs	Continuous	Recorder
SIGNATURE				8/14/25	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
 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
7/1/25	7/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.33	8.48	8.42	SU	1 X Week	GRAB
SPECIFIC CONDUCTANCE	1780	2250	2030	µS/cm	Continuous	Recorder
SULFATE	470	672	577	mg/L	1 X Week	GRAB
7 DAY AVERAGE OF SULFATE	470	672	577	mg/l	Average	GRAB
FLOW, INSTREAM	409	810	556	cfs	Continuous	Recorder
SIGNATURE				8/14/25	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)
7/1/2025	58	1470	175	15112000	-	-	143	12386700	144	3010	559	2030	318	27498700
7/2/2025	58	1500	171	14791000	243	1980	158	13692600	159	2960	540	2060	330	28483600
7/3/2025	58	1480	170	14684000	241	1980	157	13573800	157	3020	518	2080	327	28257800
7/4/2025	56	1500	172	14880000	243	1980	156	13515300	156	3040	512	2090	329	28395300
7/5/2025	53	1510	170	14657000	241	1970	146	12584700	145	3050	549	2140	315	27241700
7/6/2025	48	1510	169	14617000	234	1970	149	12915900	150	3070	544	2140	319	27532900
7/7/2025	43	1520	170	14721000	229	1970	153	13231800	153	3130	498	2150	324	27952800
7/8/2025	39	1530	175	15154000	226	1970	152	13135500	152	3130	478	2190	327	28289500
7/9/2025	34	1540	169	14617000	227	1970	154	13272300	153	3130	471	2190	323	27889300
7/10/2025	30	1560	170	14663000	226	1970	168	14533517	158	3010	464	2200	338	29196517
7/11/2025	26	1560	171	14752000	217	1970	166	14350000	168	2990	450	2210	337	29102000
7/12/2025	25	1570	175	15128000	214	1990	162	13970000	163	2920	444	2220	337	29098000
7/13/2025	22	1570	170	14688000	213	2020	162	14008000	162	2900	447	2230	332	28696000
7/14/2025	21	1590	169	14574000	211	2020	158	13675000	161	2840	449	2260	327	28249000
7/15/2025	17	1600	103	8891000	199	2020	105	9090000	106	2770	446	2260	208	17981000
7/16/2025	16	1610	146	12581000	162	1990	152	13117000	150	2920	434	2250	297	25698000
7/17/2025	17	1620	168	14532000	194	1990	164	14157000	164	2760	416	2270	332	28689000
7/18/2025	21	1610	168	14544000	220	1990	162	14004000	173	2730	409	2260	330	28548000
7/19/2025	21	1590	145	12534000	212	1960	161	13923000	161	3020	532	2150	306	26457000
7/20/2025	23	1570	172	14876280	200	1970	161	13881000	162	3050	636	1950	333	28757280
7/21/2025	14	1560	171	14786512	221	1990	161	13911000	158	3030	682	1980	332	28697512
7/22/2025	19	1560	175	15137824	234	1990	160	13861000	162	3020	682	1900	336	28998824
7/23/2025	35	1520	172	14897088	245	1970	160	13833000	160	2970	704	1820	333	28730088
7/24/2025	44	1480	176	15188776	251	1950	141	12175000	141	2980	657	1810	317	27363776
7/25/2025	49	1290	175	15142920	258	1950	157	13558000	152	3010	589	1940	332	28700920
7/26/2025	33	1410	174	15025520	255	1900	159	13766000	158	3020	571	2020	333	28791520
7/27/2025	26	1410	173	14967544	240	1930	158	13659000	158	3000	691	2020	331	28626544
7/28/2025	21	1340	169	14575968	231	1940	162	14039000	159	2970	810	1720	331	28614968
7/29/2025	19	1300	170	14661712	225	1940	162	13977000	159	2950	755	1780	331	28638712
7/30/2025	18	1200	169	14599848	226	1950	161	13945000	158	2940	681	1930	330	28544848
7/31/2025	16	1180	169	14569944	220	2000	162	14017000	158	2950	626	1980	331	28586944
Minimum	14	1180	103	8891000	162	1900	105	9090000	106	2730	409	1720	208	17981000
Maximum	58	1620	176	15188776	258	2020	168	14533517	173	3130	810	2270	344	29722293
Average	32	1446	167	14469353	218	1909	156	13476068	155	2884	556	2007	323	27945421
			Total (Mgal)	3355				Total (Mgal)	3125				Total (Mgal)	6480
			Total (Ac-ft)	10297				Total (Ac-ft)	9590				Total (Ac-ft)	19888

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
7/1/25	8:07:00	1470	8.39	289	289	NA	1
7/2/25	10:07:00	1500	8.25	389	339	NA	2
7/3/25	-	-	-	-	-	-	-
7/4/25	-	-	-	-	-	-	-
7/5/25	-	-	-	-	-	-	-
7/6/25	-	-	-	-	-	-	-
7/7/25	-	-	-	-	-	-	-
7/8/25	-	-	-	-	-	-	-
7/9/25	-	-	-	-	-	-	-
7/10/25	-	-	-	-	-	-	-
7/11/25	9:07:00	1560	8.39	332	332	NA	1
7/12/25	-	-	-	-	-	-	-
7/13/25	-	-	-	-	-	-	-
7/14/25	-	-	-	-	-	-	-
7/15/25	-	-	-	-	-	-	-
7/16/25	8:07:00	1610	8.47	350	341	NA	2
7/17/25	10:07:00	1620	8.48	355	353	NA	2
7/18/25	-	-	-	-	-	-	-
7/19/25	-	-	-	-	-	-	-
7/20/25	-	-	-	-	-	-	-
7/21/25	-	-	-	-	-	-	-
7/22/25	-	-	-	-	-	-	-
7/23/25	-	-	-	-	-	-	-
7/24/25	-	-	-	-	-	-	-
7/25/25	8:07:00	1290	8.08	308	308	NA	1
7/26/25	-	-	-	-	-	-	-
7/27/25	-	-	-	-	-	-	-
7/28/25	-	-	-	-	-	-	-
7/29/25	8:07:00	1300	8.16	337	322	NA	2
7/30/25	-	-	-	-	-	-	-
7/31/25	-	-	-	-	-	-	-
Minimum		1290	8.08	289	289		
Maximum		1620	8.48	389	353	NA	
Average		1479	8.32	337	326	0	

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
7/1/25	8:07:00	-	8.61	652	652	NA	1
7/2/25	11:07:00	-	8.77	646	649	NA	2
7/3/25	-	-	-	-	-	-	-
7/4/25	-	-	-	-	-	-	-
7/5/25	-	-	-	-	-	-	-
7/6/25	-	-	-	-	-	-	-
7/7/25	-	-	-	-	-	-	-
7/8/25	-	-	-	-	-	-	-
7/9/25	8:07:00	-	8.63	615	615	23	1
7/10/25	-	-	-	-	-	-	-
7/11/25	9:07:00	-	8.73	635	625	NA	2
7/12/25	-	-	-	-	-	-	-
7/13/25	-	-	-	-	-	-	-
7/14/25	-	-	-	-	-	-	-
7/15/25	-	-	-	-	-	-	-
7/16/25	8:07:00	-	8.61	628	631	NA	2
7/17/25	9:07:00	-	8.82	643	635	NA	2
7/18/25	-	-	-	-	-	-	-
7/19/25	-	-	-	-	-	-	-
7/20/25	-	-	-	-	-	-	-
7/21/25	-	-	-	-	-	-	-
7/22/25	8:07:00	-	8.72	617	630	NA	2
7/23/25	-	-	-	-	-	-	-
7/24/25	-	-	-	-	-	-	-
7/25/25	8:07:00	-	8.83	634	625	NA	2
7/26/25	-	-	-	-	-	-	-
7/27/25	-	-	-	-	-	-	-
7/28/25	-	-	-	-	-	-	-
7/29/25	8:07:00	-	8.39	444	539	NA	2
7/30/25	-	-	-	-	-	-	-
7/31/25	-	-	-	-	-	-	-
Minimum			8.39	444	539	23	
Maximum			8.83	652	652	23	
Average			8.68	613	622	23	

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
7/1/25	7:07:00	-	-	550	550	NA	1
7/2/25	10:07:00	1980	8.69	571	557	NA	3
7/3/25	-	-	-	-	-	-	-
7/4/25	-	-	-	-	-	-	-
7/5/25	-	-	-	-	-	-	-
7/6/25	-	-	-	-	-	-	-
7/7/25	-	-	-	-	-	-	-
7/8/25	-	-	-	-	-	-	-
7/9/25	7:07:00	1970	8.59	584	584	96	1
7/10/25	-	-	-	-	-	-	-
7/11/25	9:07:00	1970	8.72	582	583	NA	2
7/12/25	-	-	-	-	-	-	-
7/13/25	-	-	-	-	-	-	-
7/14/25	-	-	-	-	-	-	-
7/15/25	-	-	-	-	-	-	-
7/16/25	7:07:00	1990	8.63	593	588	NA	2
7/17/25	10:07:00	1990	8.83	632	612	NA	2
7/18/25	-	-	-	-	-	-	-
7/19/25	-	-	-	-	-	-	-
7/20/25	-	-	-	-	-	-	-
7/21/25	-	-	-	-	-	-	-
7/22/25	13:07:00	1990	8.68	600	616	NA	2
7/23/25	-	-	-	-	-	-	-
7/24/25	-	-	-	-	-	-	-
7/25/25	9:07:00	1950	8.8	577	589	NA	2
7/26/25	-	-	-	-	-	-	-
7/27/25	-	-	-	-	-	-	-
7/28/25	-	-	-	-	-	-	-
7/29/25	7:07:00	1940	8.45	592	585	NA	2
7/30/25	-	-	-	-	-	-	-
7/31/25	-	-	-	-	-	-	-
Minimum		1940	8.45	550	550	96	
Maximum		1990	8.83	632	616	96	
Average		1973	8.66	583	585	96	

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
7/1/25	9:07:00	3010	8.63	1009	1009	NA	1
7/2/25	9:07:00	2960	8.75	979	994	NA	2
7/3/25	-	-	-	-	-	-	-
7/4/25	-	-	-	-	-	-	-
7/5/25	-	-	-	-	-	-	-
7/6/25	-	-	-	-	-	-	-
7/7/25	-	-	-	-	-	-	-
7/8/25	-	-	-	-	-	-	-
7/9/25	9:07:00	3130	8.67	1012	1012	24	1
7/10/25	12:07:00	3010	8.74	973	992	NA	2
7/11/25	-	-	-	-	-	-	-
7/12/25	-	-	-	-	-	-	-
7/13/25	-	-	-	-	-	-	-
7/14/25	-	-	-	-	-	-	-
7/15/25	-	-	-	-	-	-	-
7/16/25	9:07:00	2920	8.66	894	894	NA	1
7/17/25	11:07:00	2760	8.85	979	937	NA	2
7/18/25	-	-	-	-	-	-	-
7/19/25	-	-	-	-	-	-	-
7/20/25	-	-	-	-	-	-	-
7/21/25	-	-	-	-	-	-	-
7/22/25	9:07:00	3020	8.69	951	965	NA	2
7/23/25	-	-	-	-	-	-	-
7/24/25	10:07:00	2980	8.83	974	962	NA	2
7/25/25	-	-	-	-	-	-	-
7/26/25	-	-	-	-	-	-	-
7/27/25	-	-	-	-	-	-	-
7/28/25	-	-	-	-	-	-	-
7/29/25	9:07:00	2950	8.68	970	972	NA	2
7/30/25	-	-	-	-	-	-	-
7/31/25	7:07:00	2950	8.78	942	956	NA	2
Minimum		2760	8.63	894	894	24	
Maximum		3130	8.85	1012	1012	24	
Average		2969	8.73	968	969	24	

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
7/1/25	9:07:00	-	8.42	621	621	NA	1
7/2/25	9:07:00	-	8.52	655	638	NA	2
7/3/25	-	-	-	-	-	-	-
7/4/25	-	-	-	-	-	-	-
7/5/25	-	-	-	-	-	-	-
7/6/25	-	-	-	-	-	-	-
7/7/25	-	-	-	-	-	-	-
7/8/25	-	-	-	-	-	-	-
7/9/25	10:07:00	-	8.5	676	676	57	1
7/10/25	12:07:00	-	8.62	683	679	NA	2
7/11/25	-	-	-	-	-	-	-
7/12/25	-	-	-	-	-	-	-
7/13/25	-	-	-	-	-	-	-
7/14/25	-	-	-	-	-	-	-
7/15/25	-	-	-	-	-	-	-
7/16/25	9:07:00	-	8.5	682	682	NA	1
7/17/25	11:07:00	-	8.66	711	696	NA	2
7/18/25	-	-	-	-	-	-	-
7/19/25	-	-	-	-	-	-	-
7/20/25	-	-	-	-	-	-	-
7/21/25	-	-	-	-	-	-	-
7/22/25	9:07:00	-	8.52	582	646	NA	2
7/23/25	-	-	-	-	-	-	-
7/24/25	11:07:00	-	8.52	631	606	NA	2
7/25/25	-	-	-	-	-	-	-
7/26/25	-	-	-	-	-	-	-
7/27/25	-	-	-	-	-	-	-
7/28/25	-	-	-	-	-	-	-
7/29/25	10:07:00	-	8.46	670	650	NA	2
7/30/25	-	-	-	-	-	-	-
7/31/25	7:07:00	-	8.41	638	654	NA	2
Minimum			8.41	582	606	57	
Maximum			8.66	711	696	57	
Average			8.51	655	655	57	

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 (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
7/1/25	10:07:00	2030	8.36	584	584	NA	1
7/2/25	-	-	-	-	-	-	-
7/3/25	-	-	-	-	-	-	-
7/4/25	-	-	-	-	-	-	-
7/5/25	-	-	-	-	-	-	-
7/6/25	-	-	-	-	-	-	-
7/7/25	-	-	-	-	-	-	-
7/8/25	-	-	-	-	-	-	-
7/9/25	10:07:00	2190	8.46	650	650	147	1
7/10/25	-	-	-	-	-	-	-
7/11/25	-	-	-	-	-	-	-
7/12/25	-	-	-	-	-	-	-
7/13/25	-	-	-	-	-	-	-
7/14/25	-	-	-	-	-	-	-
7/15/25	-	-	-	-	-	-	-
7/16/25	10:07:00	2250	8.48	672	672	NA	1
7/17/25	-	-	-	-	-	-	-
7/18/25	-	-	-	-	-	-	-
7/19/25	-	-	-	-	-	-	-
7/20/25	-	-	-	-	-	-	-
7/21/25	-	-	-	-	-	-	-
7/22/25	10:07:00	1900	8.46	509	509	NA	1
7/23/25	-	-	-	-	-	-	-
7/24/25	-	-	-	-	-	-	-
7/25/25	-	-	-	-	-	-	-
7/26/25	-	-	-	-	-	-	-
7/27/25	-	-	-	-	-	-	-
7/28/25	-	-	-	-	-	-	-
7/29/25	11:07:00	1780	8.33	470	470	NA	1
7/30/25	-	-	-	-	-	-	-
7/31/25	-	-	-	-	-	-	-
Minimum		1780	8.33	470	470	147	
Maximum		2250	8.48	672	672	147	
Average		2030	8.42	577	577	147	

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