

July 25, 2025

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

RE: May 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 May 2025 is enclosed. The West End Outlet began discharging on May 5th with the discharge rate of 175 cfs. The discharge from the West End Outlet varied from 175 cfs (cubic feet per second) to 250 cfs and remained at 200 cfs since May 9th. The East End Outlet began discharging on May 14th at a rate of 150 cfs, which was adjusted temporarily in response to screen clogging and to accommodate sedimentation removal efforts at the intake. 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 West and East End Outlets in June.

	Average Discharge Rate (cfs)	Total Discharge Volume (acre-feet)
West End Outlet	147	9,009
East End Outlet	76	4,692
Combined Total Discharge Volume (acre-ft)		13,701

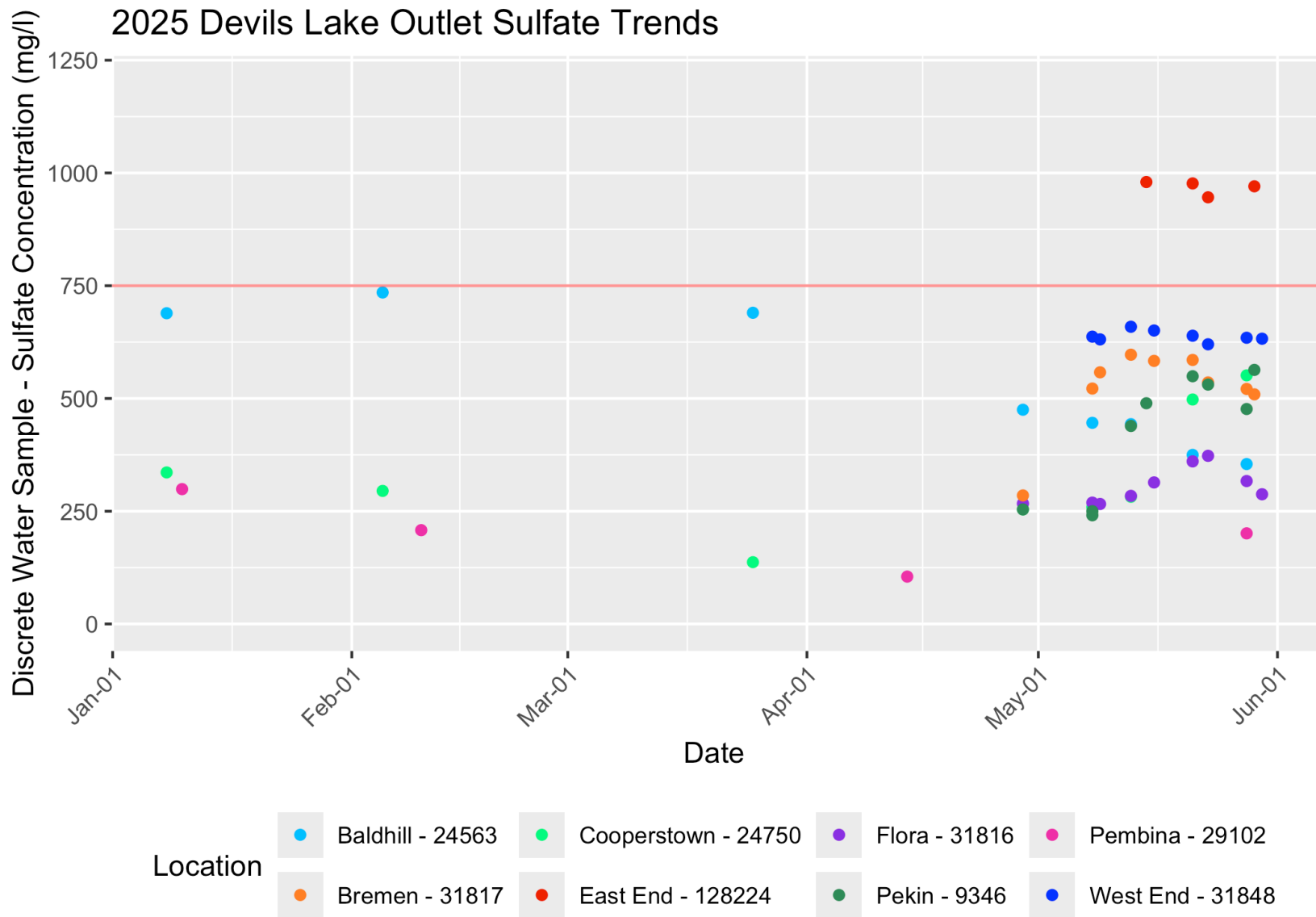
The attached figures and tables contain daily outlet discharges measured from the flow meters and water quality results from samples collected from the outlets and the corresponding upstream and downstream locations. Also included are average daily stream flow data and conductivity data obtained from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

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

Sincerely,

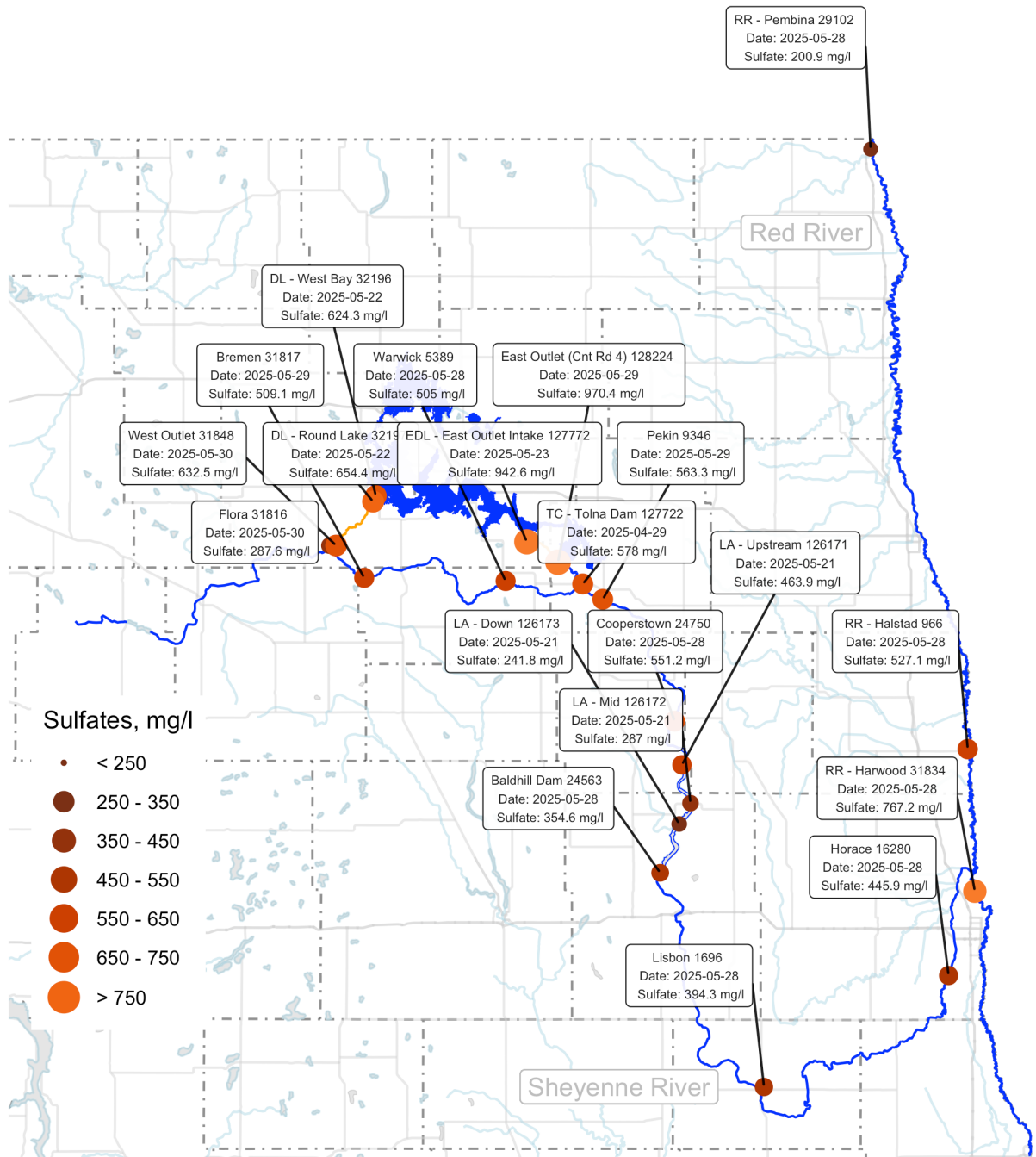


Yaping Chi, P.E.
Water Resource Engineer, Water Development Division
YC:/416-10
Enclosure



Devils Lake Outlet Operations Sulfate Concentrations

5/31/25



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
5/1/25	5/31/25

Devils Lake West Outlet

9009

ac-ft over

31

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.44	8.77	8.6	SU	2 X Week	GRAB
SULFATE	620	659	638	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	627	655	638	mg/L	Average	GRAB
OUTLET DISCHARGE	0	194	147	cfs	Continuous	Recorder
SIGNATURE				7/24/25	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
5/1/25	5/31/25

Devils Lake East Outlet

4692

ac-ft over

31

Days

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.58	8.8	8.67	SU	2 X Week	GRAB
SPECIFIC CONDUCTANCE	2910	2940	2925	µS/cm	Continuous	Recorder
SULFATE	946	980	968	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	961	980	972	mg/L	Average	GRAB
OUTLET DISCHARGE	0	167	76	cfs	Continuous	Recorder
SIGNATURE				7/24/25	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
5/1/25	5/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE					
pH	8.23	8.49	8.39	SU	2 X Week	GRAB					
SPECIFIC CONDUCTANCE	1470	1630	1534	µS/cm	Continuous	Recorder					
SULFATE	266	373	309	mg/L	2 X Week	GRAB					
7 DAY AVERAGE OF SULFATE	268	367	308	mg/l	Average	GRAB					
FLOW, INSTREAM	45	173	101	cfs	Continuous	Recorder					
SIGNATURE				7/24/25	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
5/1/25	5/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE					
pH	8.46	8.67	8.53	SU	2 X Week	GRAB					
SPECIFIC CONDUCTANCE	1780	2010	1904	µS/cm	Continuous	Recorder					
SULFATE	509	597	551	mg/L	2 X Week	GRAB					
7 DAY AVERAGE OF SULFATE	515	590	550	mg/L	Average	GRAB					
FLOW, INSTREAM	106	378	261	cfs	Continuous	Recorder					
SIGNATURE				7/24/25	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
5/1/25	5/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE
pH	8.31	8.58	8.45	SU	2 X Week	GRAB
SULFATE	241	563	442	mg/L	2 X Week	GRAB
7 DAY AVERAGE OF SULFATE	241	549	447	mg/L	Average	GRAB
FLOW, INSTREAM	NA	NA	NA	cfs	Continuous	Recorder
SIGNATURE				7/24/25	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
5/1/25	5/31/25

PARAMETER	MINIMUM	MAXIMUM	AVERAGE	UNITS	SAMPLING FREQUENCY	TYPE					
pH	8.36	8.52	8.44	SU	1 X Week	GRAB					
SPECIFIC CONDUCTANCE	1140	1900	1518	µS/cm	Continuous	Recorder					
SULFATE	259	551	397	mg/L	1 X Week	GRAB					
7 DAY AVERAGE OF SULFATE	259	551	395	mg/L	Average	GRAB					
FLOW, INSTREAM	260	764	501	cfs	Continuous	Recorder					
SIGNATURE				7/24/25	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)
5/1/2025	106	1350	0	0	114	-	0	0	3	946	447	1080	0	0
5/2/2025	106	1370	0	0	112	-	0	0	2	1010	438	1140	0	0
5/3/2025	103	1400	0	0	110	-	0	0	2	977	412	1140	0	0
5/4/2025	94	1420	0	0	108	-	0	0	2	1090	376	1080	0	0
5/5/2025	86	1440	81.9	7072000	106	-	0	0	2	1500	348	1120	82	7072000
5/6/2025	89	1450	154	13275000	200	-	0	0	2	1050	327	1120	154	13275000
5/7/2025	81	1460	166	14339480	226	1880	0	0	2	1040	303	1120	166	14339480
5/8/2025	94	1470	194	16799840	234	1950	0	0	7	2730	284	1140	194	16799840
5/9/2025	77	1480	173	14917640	270	1950	0	0	2	2710	270	1160	173	14917640
5/10/2025	72	1500	173	14960000	254	1960	0	0	2	2080	260	1180	173	14960000
5/11/2025	62	1530	169	14603000	244	1970	0	0	2	1800	296	1190	169	14603000
5/12/2025	54	1550	174	14994000	237	1990	0	0	2	1420	331	1220	174	14994000
5/13/2025	49	1570	167	14389480	240	2010	0	0	2	1400	356	1260	167	14389480
5/14/2025	45	1570	172	14859182	243	2010	82	7043000	71	2900	370	1340	253	21902182
5/15/2025	45	1560	171	14753918	249	2010	167	14407000	172	2920	367	1360	338	29160918
5/16/2025	54	1580	169	14558678	259	1990	134	11539000	143	2920	370	1580	302	26097678
5/17/2025	75	1600	169	14576997	257	1990	117	10135000	113	2930	451	1630	286	24711997
5/18/2025	91	1590	169	14576874	272	1970	163	14116000	167	2940	552	1660	332	28692874
5/19/2025	97	1670	171	14770496	289	1950	162	13964000	164	2940	582	1680	333	28734496
5/20/2025	108	1710	172	14878328	302	1910	161	13908000	167	2930	611	1680	333	28786328
5/21/2025	130	1630	173	14915450	325	1920	160	13842000	166	2910	662	1770	333	28757450
5/22/2025	153	1570	168	14546926	345	1890	159	13737000	158	2920	700	1800	327	28283926
5/23/2025	171	1580	174	15050232	363	1840	159	13728000	158	2930	723	1790	333	28778232
5/24/2025	173	1570	174	15018621	378	1800	159	13768000	158	2930	742	1800	333	28786621
5/25/2025	163	1560	174	15043326	373	1760	142	12295000	142	2930	758	1790	316	27338326
5/26/2025	150	1520	173	14976197	360	1740	47	4074000	54	2890	764	1810	220	19050197
5/27/2025	140	1500	171	14771168	347	1760	0	0	1	2900	757	1850	171	14771168
5/28/2025	130	1480	173	14935296	339	1790	90	7749000	81	2930	738	1900	263	22684296
5/29/2025	120	1480	173	14942762	327	1780	153	13197000	148	2940	681	1900	326	28139762
5/30/2025	109	1480	173	14956178	314	1790	156	13441000	151	2950	618	1840	329	28397178
5/31/2025	99	1470	173	14960806	302	1800	156	13447000	152	2960	625	1800	329	28407806
Minimum	45	1350	0	0	106	1740	0	0	1	946	260	1080	0	0
Maximum	173	1710	194	16799840	378	2010	167	14407000	172	2960	764	1900	361	31206840
Average	101	1472	147	12659415	261	1823	76	6593226	77	2263	501	1435	223	19252641
			Total (Mgal)	2935			Total (Mgal)	1529					Total (Mgal)	4464
			Total (Ac-ft)	9009			Total (Ac-ft)	4692					Total (Ac-ft)	13701

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
5/1/25	-	-	-	-	-	-	-
5/2/25	-	-	-	-	-	-	-
5/3/25	-	-	-	-	-	-	-
5/4/25	-	-	-	-	-	-	-
5/5/25	-	-	-	-	-	-	-
5/6/25	-	-	-	-	-	-	-
5/7/25	-	-	-	-	-	-	-
5/8/25	8:10:00	1470	8.46	269	269	NA	1
5/9/25	8:50:00	1480	-	266	268	NA	2
5/10/25	-	-	-	-	-	-	-
5/11/25	-	-	-	-	-	-	-
5/12/25	-	-	-	-	-	-	-
5/13/25	7:55:00	1570	8.48	284	273	23	3
5/14/25	-	-	-	-	-	-	-
5/15/25	-	-	-	-	-	-	-
5/16/25	7:05:00	1580	8.49	314	299	NA	2
5/17/25	-	-	-	-	-	-	-
5/18/25	-	-	-	-	-	-	-
5/19/25	-	-	-	-	-	-	-
5/20/25	-	-	-	-	-	-	-
5/21/25	7:05:00	1630	8.41	361	337	NA	2
5/22/25	-	-	-	-	-	-	-
5/23/25	8:05:00	1580	8.23	373	367	NA	2
5/24/25	-	-	-	-	-	-	-
5/25/25	-	-	-	-	-	-	-
5/26/25	-	-	-	-	-	-	-
5/27/25	-	-	-	-	-	-	-
5/28/25	7:05:00	1480	8.39	317	345	NA	2
5/29/25	-	-	-	-	-	-	-
5/30/25	9:05:00	1480	8.3	288	302	NA	2
5/31/25	-	-	-	-	-	-	-
Minimum		1470	8.23	266	268	23	
Maximum		1630	8.49	373	367	23	
Average		1534	8.39	309	308	23	

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
5/1/25	-	-	-	-	-	-	-
5/2/25	-	-	-	-	-	-	-
5/3/25	-	-	-	-	-	-	-
5/4/25	-	-	-	-	-	-	-
5/5/25	-	-	-	-	-	-	-
5/6/25	-	-	-	-	-	-	-
5/7/25	-	-	-	-	-	-	-
5/8/25	8:20:00	-	8.52	637	637	NA	1
5/9/25	8:40:00	-	-	631	634	NA	2
5/10/25	-	-	-	-	-	-	-
5/11/25	-	-	-	-	-	-	-
5/12/25	-	-	-	-	-	-	-
5/13/25	8:10:00	-	8.58	659	642	NA	3
5/14/25	-	-	-	-	-	-	-
5/15/25	-	-	-	-	-	-	-
5/16/25	7:05:00	-	8.77	651	655	NA	2
5/17/25	-	-	-	-	-	-	-
5/18/25	-	-	-	-	-	-	-
5/19/25	-	-	-	-	-	-	-
5/20/25	-	-	-	-	-	-	-
5/21/25	8:05:00	-	8.44	639	645	NA	2
5/22/25	-	-	-	-	-	-	-
5/23/25	8:05:00	-	8.63	620	630	NA	2
5/24/25	-	-	-	-	-	-	-
5/25/25	-	-	-	-	-	-	-
5/26/25	-	-	-	-	-	-	-
5/27/25	-	-	-	-	-	-	-
5/28/25	8:05:00	-	8.54	635	627	NA	2
5/29/25	-	-	-	-	-	-	-
5/30/25	9:05:00	-	8.7	633	634	NA	2
5/31/25	-	-	-	-	-	-	-
Minimum			8.44	620	627		
Maximum			8.77	659	655	NA	
Average			8.6	638	638	0	

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 (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
5/1/25	-	-	-	-	-	-	-
5/2/25	-	-	-	-	-	-	-
5/3/25	-	-	-	-	-	-	-
5/4/25	-	-	-	-	-	-	-
5/5/25	-	-	-	-	-	-	-
5/6/25	-	-	-	-	-	-	-
5/7/25	-	-	-	-	-	-	-
5/8/25	7:46:00	1950	8.5	522	522	NA	1
5/9/25	9:15:00	1950	-	558	540	NA	2
5/10/25	-	-	-	-	-	-	-
5/11/25	-	-	-	-	-	-	-
5/12/25	-	-	-	-	-	-	-
5/13/25	7:27:00	2010	8.54	597	559	20	3
5/14/25	-	-	-	-	-	-	-
5/15/25	-	-	-	-	-	-	-
5/16/25	6:05:00	1990	8.51	583	590	NA	2
5/17/25	-	-	-	-	-	-	-
5/18/25	-	-	-	-	-	-	-
5/19/25	-	-	-	-	-	-	-
5/20/25	-	-	-	-	-	-	-
5/21/25	7:05:00	1920	8.46	585	584	NA	2
5/22/25	-	-	-	-	-	-	-
5/23/25	8:05:00	1840	8.67	536	560	NA	2
5/24/25	-	-	-	-	-	-	-
5/25/25	-	-	-	-	-	-	-
5/26/25	-	-	-	-	-	-	-
5/27/25	-	-	-	-	-	-	-
5/28/25	7:05:00	1790	8.46	521	528	NA	2
5/29/25	11:05:00	1780	8.6	509	515	NA	2
5/30/25	-	-	-	-	-	-	-
5/31/25	-	-	-	-	-	-	-
Minimum		1780	8.46	509	515	20	
Maximum		2010	8.67	597	590	20	
Average		1904	8.53	551	550	20	

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

**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
5/1/25	-	-	-	-	-	-	-
5/2/25	-	-	-	-	-	-	-
5/3/25	-	-	-	-	-	-	-
5/4/25	-	-	-	-	-	-	-
5/5/25	-	-	-	-	-	-	-
5/6/25	-	-	-	-	-	-	-
5/7/25	-	-	-	-	-	-	-
5/8/25	-	-	-	-	-	-	-
5/9/25	-	-	-	-	-	-	-
5/10/25	-	-	-	-	-	-	-
5/11/25	-	-	-	-	-	-	-
5/12/25	-	-	-	-	-	-	-
5/13/25	-	-	-	-	-	-	-
5/14/25	-	-	-	-	-	-	-
5/15/25	11:05:00	2920	8.58	980	980	NA	1
5/16/25	-	-	-	-	-	-	-
5/17/25	-	-	-	-	-	-	-
5/18/25	-	-	-	-	-	-	-
5/19/25	-	-	-	-	-	-	-
5/20/25	-	-	-	-	-	-	-
5/21/25	9:05:00	2910	8.59	977	977	NA	1
5/22/25	-	-	-	-	-	-	-
5/23/25	6:05:00	2930	8.69	946	961	NA	2
5/24/25	-	-	-	-	-	-	-
5/25/25	-	-	-	-	-	-	-
5/26/25	-	-	-	-	-	-	-
5/27/25	-	-	-	-	-	-	-
5/28/25	-	-	-	-	-	-	-
5/29/25	10:05:00	2940	8.8	970	970	NA	1
5/30/25	-	-	-	-	-	-	-
5/31/25	-	-	-	-	-	-	-
Minimum		2910	8.58	946	961		
Maximum		2940	8.8	980	980	NA	
Average		2925	8.67	968	972	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
5/1/25	-	-	-	-	-	-	-
5/2/25	-	-	-	-	-	-	-
5/3/25	-	-	-	-	-	-	-
5/4/25	-	-	-	-	-	-	-
5/5/25	-	-	-	-	-	-	-
5/6/25	-	-	-	-	-	-	-
5/7/25	-	-	-	-	-	-	-
5/8/25	11:30:00	-	-	241	241	NA	1
5/9/25	-	-	-	-	-	-	-
5/10/25	-	-	-	-	-	-	-
5/11/25	-	-	-	-	-	-	-
5/12/25	-	-	-	-	-	-	-
5/13/25	9:30:00	-	8.48	439	310	88	3
5/14/25	-	-	-	-	-	-	-
5/15/25	11:05:00	-	8.5	489	464	NA	2
5/16/25	-	-	-	-	-	-	-
5/17/25	-	-	-	-	-	-	-
5/18/25	-	-	-	-	-	-	-
5/19/25	-	-	-	-	-	-	-
5/20/25	-	-	-	-	-	-	-
5/21/25	9:05:00	-	8.37	549	549	NA	1
5/22/25	-	-	-	-	-	-	-
5/23/25	7:05:00	-	8.58	531	540	NA	2
5/24/25	-	-	-	-	-	-	-
5/25/25	-	-	-	-	-	-	-
5/26/25	-	-	-	-	-	-	-
5/27/25	-	-	-	-	-	-	-
5/28/25	9:05:00	-	8.31	477	504	NA	2
5/29/25	11:05:00	-	8.43	563	520	NA	2
5/30/25	-	-	-	-	-	-	-
5/31/25	-	-	-	-	-	-	-
Minimum			8.31	241	241	88	
Maximum			8.58	563	549	88	
Average			8.45	442	447	88	

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
5/1/25	-	-	-	-	-	-	-
5/2/25	-	-	-	-	-	-	-
5/3/25	-	-	-	-	-	-	-
5/4/25	-	-	-	-	-	-	-
5/5/25	-	-	-	-	-	-	-
5/6/25	-	-	-	-	-	-	-
5/7/25	-	-	-	-	-	-	-
5/8/25	10:35:00	1140	8.47	259	259	NA	1
5/9/25	-	-	-	-	-	-	-
5/10/25	-	-	-	-	-	-	-
5/11/25	-	-	-	-	-	-	-
5/12/25	-	-	-	-	-	-	-
5/13/25	10:36:00	1260	8.52	282	271	72	2
5/14/25	-	-	-	-	-	-	-
5/15/25	-	-	-	-	-	-	-
5/16/25	-	-	-	-	-	-	-
5/17/25	-	-	-	-	-	-	-
5/18/25	-	-	-	-	-	-	-
5/19/25	-	-	-	-	-	-	-
5/20/25	-	-	-	-	-	-	-
5/21/25	10:05:00	1770	8.36	498	498	NA	1
5/22/25	-	-	-	-	-	-	-
5/23/25	-	-	-	-	-	-	-
5/24/25	-	-	-	-	-	-	-
5/25/25	-	-	-	-	-	-	-
5/26/25	-	-	-	-	-	-	-
5/27/25	-	-	-	-	-	-	-
5/28/25	10:05:00	1900	8.41	551	551	NA	1
5/29/25	-	-	-	-	-	-	-
5/30/25	-	-	-	-	-	-	-
5/31/25	-	-	-	-	-	-	-
Minimum		1140	8.36	259	259	72	
Maximum		1900	8.52	551	551	72	
Average		1518	8.44	397	395	72	

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