

Date: 7/27/2026

Subject: Cyanotoxin testing results

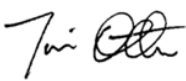
From: Tim Otten, Laboratory Director

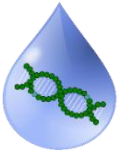
To: Boone Marker, District Manager
Devils Lake Water Improvement District

Testing results are enclosed for ELISA analyses conducted on three samples collected from Devils Lake on 7/20/2026. All data have been reviewed and are considered final.

Analyses included in this report:

- Quantification of total cyanobacterial toxins (anatoxin-a, cylindrospermopsin, microcystin/nodularin (EPA Method 546), and saxitoxin) by enzyme linked immunosorbent assay (ELISA) methods.

Submitted by: 
Timothy G. Otten, MPH, PhD



Bend Genetics

Received: 7/22/2026

Time: 9:40 AM

Matrix: Water Grab

BG ID: DL07

Reported: 7/27/2026 16:05

Customer: Devils Lake Water Improvement District

Project: NA

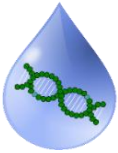
Location: Regatta

Collected: 7/20/2026 14:00

Sample ID: R

SAMPLE RESULTS

Method	Analyte	Result	Reporting Limit	Units	Qualifiers	Batch
ELISA	Anatoxin-a	ND	0.15	µg/L	U	
ELISA	Cylindrospermopsin	ND	0.05	µg/L	U	
ELISA	Microcystin/Nod.	ND	0.20	µg/L	U	
ELISA	Saxitoxin	ND	0.02	µg/L	U	



Bend Genetics

Received: 7/22/2026

Time: 9:40 AM

Matrix: Water Grab

BG ID: DL08

Reported: 7/27/2026 16:05

Customer: Devils Lake Water Improvement District

Project: NA

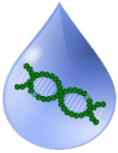
Location: Wabusha

Collected: 7/20/2026 14:15

Sample ID: W

SAMPLE RESULTS

Method	Analyte	Result	Reporting Limit	Units	Qualifiers	Batch
ELISA	Anatoxin-a	ND	0.15	µg/L	U	
ELISA	Cylindrospermopsin	ND	0.05	µg/L	U	
ELISA	Microcystin/Nod.	ND	0.20	µg/L	U	
ELISA	Saxitoxin	ND	0.02	µg/L	U	



Bend Genetics

Received: 7/22/2026

Time: 9:40 AM

Matrix: Water Grab

BG ID: DL09

Reported: 7/27/2026 16:05

Customer: Devils Lake Water Improvement District

Project: NA

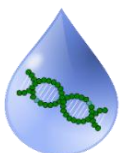
Location: Sand Point

Collected: 7/20/2026 14:25

Sample ID: S

SAMPLE RESULTS

Method	Analyte	Result	Reporting Limit	Units	Qualifiers	Batch
ELISA	Anatoxin-a	ND	0.15	µg/L	U	
ELISA	Cylindrospermopsin	ND	0.05	µg/L	U	
ELISA	Microcystin/Nod.	ND	0.20	µg/L	U	
ELISA	Saxitoxin	ND	0.02	µg/L	U	



Customer: Devils Lake Water Improvement District

Reported: 7/27/2026 16:05

Project: NA

QUALITY CONTROL

Method	Analyte	Result	Units	Qualifiers	Spike	%Rec	%Rec Limit	Batch
ELISA	ATX - Blank	ND	µg/L	U	0			
ELISA	ATX - Positive	0.58	µg/L		0.75	77.7	70-130	
ELISA	ATX - Spike	1.26	µg/L		1.25	100.6	70-130	
ELISA	CYN - Blank	ND	µg/L	U	0			
ELISA	CYN - Positive	0.76	µg/L		0.75	100.9	70-130	
ELISA	CYN - Spike	0.97	µg/L		1.00	97.1	70-130	
ELISA	MC - Blank	ND	µg/L	U	0			
ELISA	MC - Positive	0.79	µg/L		0.75	104.7	70-130	
ELISA	MC - Spike	0.93	µg/L		1.00	93.4	70-130	
ELISA	STX - Blank	ND	µg/L	U	0			
ELISA	STX - Positive	0.064	µg/L		0.075	84.7	70-130	
ELISA	STX - Spike	0.195	µg/L		0.200	97.6	70-130	

QUALIFIERS:

C1	The reported result for this analyte is below the quantification limit.
C2	The reported result for this analyte is above the calibration range of the assay.
D	Sample diluted - reported result accounts for dilution factor.
J	The reported result for this analyte should be considered as an estimated value.
U	Undetected