



Northern Lake Service, Inc • 400 N Lake Ave • Crandon, WI 54520
800-278-1254 • www.nlslab.com

August 01, 2023

Dave Behl
Lake Sinissippi Improvement District
PO Box 89
Hustisford, WI 53034

Project: 2023 - Surface Water
Work Order: CB08263
Received: 07/20/23

Enclosed are the results of analyses for samples received by our laboratory on 7/20/2023. If you have any questions concerning this report, please feel free to contact a client service representative at clientservices@nlslab.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Ronald T. Krueger".

Ronald T. Krueger For Client Services
Northern Lake Service, Inc.



Lake Sinissippi Improvement District
PO Box 89
Hustisford, WI 53034

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Project Manager: Dave Behl

Reported:
8/1/23 10:10

Work Order:
CB08263

Sample Summary

Descriptions of all qualifiers listed throughout this report can be found on the Qualifiers and Definitions Page.

Lab ID	Sample	Matrix	Sample Type	Qualifiers	Date Sampled	Date Received
CB08263-01	HWY S Bridge	SW			7/19/23 13:38	7/20/23 12:15
CB08263-02	Hustisford Dam	SW			7/19/23 13:38	7/20/23 12:15
CB08263-03	Dead Creek	SW			7/19/23 13:38	7/20/23 12:15
CB08263-04	HWY S Springs	SW			7/19/23 13:38	7/20/23 12:15
CB08263-05	Horicon Golf	SW			7/19/23 13:38	7/20/23 12:15



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Sample Results

Sample: HWY S Bridge

CB08263-01 (SW) Sampled: 07/19/23 13:38

Analyte	Result	Qualifier	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Wet Chemistry										
Solids, tot. susp. (TSS)	83		6.7	6.7	mg/L	7/24/23 11:12	7/25/23 16:00	SBB	2540 D-1997	2
Nitrogen, Kjeldahl as N (unfiltered)	6.2		0.40	1.4	mg/L	7/25/23 11:11	7/26/23 11:08	WPV	EPA 351.2, Rev 2	2
Nitrogen, ammonia as N (unfiltered)	0.060	J	0.039	0.13	mg/L	7/24/23 9:42	7/25/23 14:58	AMR	4500-NH3 G-1997	2
Nitrogen, NO2 + NO3 as N (unfiltered)	ND		0.052	0.17	mg/L	7/26/23 8:57	7/26/23 11:35	JDO	4500-NO3 F-2000	2
Phosphorus, tot. as P	0.57		0.0090	0.030	mg/L	7/20/23 16:32	7/24/23 16:29	AMR	4500-P F-1999	2
BOD-5 day	21		12	12	mg/L	7/20/23 10:55	7/25/23 7:40	AAK	5210 B-2001	2

Sample: Hustisford Dam

CB08263-02 (SW) Sampled: 07/19/23 13:38

Analyte	Result	Qualifier	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Wet Chemistry										
Solids, tot. susp. (TSS)	74		6.7	6.7	mg/L	7/24/23 11:12	7/25/23 16:00	SBB	2540 D-1997	2
Nitrogen, Kjeldahl as N (unfiltered)	5.3		0.40	1.4	mg/L	7/25/23 11:11	7/26/23 11:09	WPV	EPA 351.2, Rev 2	2
Nitrogen, ammonia as N (unfiltered)	ND		0.039	0.13	mg/L	7/24/23 9:42	7/25/23 12:33	AMR	4500-NH3 G-1997	2
Nitrogen, NO2 + NO3 as N (unfiltered)	ND		0.052	0.17	mg/L	7/26/23 8:57	7/26/23 11:37	JDO	4500-NO3 F-2000	2
Phosphorus, tot. as P	0.34		0.0090	0.030	mg/L	7/20/23 16:32	7/24/23 16:30	AMR	4500-P F-1999	2
BOD-5 day	19		12	12	mg/L	7/20/23 10:55	7/25/23 7:40	AAK	5210 B-2001	2

Sample: Dead Creek

CB08263-03 (SW) Sampled: 07/19/23 13:38

Analyte	Result	Qualifier	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Wet Chemistry										
Solids, tot. susp. (TSS)	37		2.9	2.9	mg/L	7/24/23 11:12	7/25/23 16:00	SBB	2540 D-1997	2
Nitrogen, Kjeldahl as N (unfiltered)	3.3		0.20	0.68	mg/L	7/25/23 11:11	7/26/23 10:26	WPV	EPA 351.2, Rev 2	2
Nitrogen, ammonia as N (unfiltered)	ND		0.039	0.13	mg/L	7/24/23 9:42	7/25/23 12:34	AMR	4500-NH3 G-1997	2
Nitrogen, NO2 + NO3 as N (unfiltered)	ND		0.052	0.17	mg/L	7/26/23 8:57	7/26/23 11:38	JDO	4500-NO3 F-2000	2
Phosphorus, tot. as P	0.77		0.0090	0.030	mg/L	7/20/23 16:32	7/24/23 16:31	AMR	4500-P F-1999	2
BOD-5 day	10		8.0	8.0	mg/L	7/20/23 10:55	7/25/23 7:40	AAK	5210 B-2001	2



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Sample: HWY S Springs

CB08263-04 (SW) Sampled: 07/19/23 13:38

Analyte	Result	Qualifier	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Wet Chemistry										
Solids, tot. susp. (TSS)	35		2.2	2.2	mg/L	7/24/23 11:12	7/25/23 16:00	SBB	2540 D-1997	2
Nitrogen, Kjeldahl as N (unfiltered)	2.8		0.20	0.68	mg/L	7/25/23 11:11	7/26/23 10:27	WPV	EPA 351.2, Rev 2	2
Nitrogen, ammonia as N (unfiltered)	0.083	J	0.039	0.13	mg/L	7/24/23 9:42	7/25/23 12:36	AMR	4500-NH3 G-1997	2
Nitrogen, NO2 + NO3 as N (unfiltered)	0.37		0.052	0.17	mg/L	7/26/23 8:57	7/26/23 11:40	JDO	4500-NO3 F-2000	2
Phosphorus, tot. as P	0.42		0.0090	0.030	mg/L	7/20/23 16:32	7/24/23 16:32	AMR	4500-P F-1999	2
BOD-5 day	8.6		3.0	3.0	mg/L	7/20/23 10:55	7/25/23 7:40	AAK	5210 B-2001	2

Sample: Horicon Golf

CB08263-05 (SW) Sampled: 07/19/23 13:38

Analyte	Result	Qualifier	LOD	LOQ	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Wet Chemistry										
Solids, tot. susp. (TSS)	43		3.2	3.2	mg/L	7/24/23 11:12	7/25/23 16:00	SBB	2540 D-1997	2
Nitrogen, Kjeldahl as N (unfiltered)	3.7		0.20	0.68	mg/L	7/25/23 11:11	7/26/23 10:36	WPV	EPA 351.2, Rev 2	2
Nitrogen, ammonia as N (unfiltered)	0.062	J	0.039	0.13	mg/L	7/24/23 9:42	7/25/23 12:37	AMR	4500-NH3 G-1997	2
Nitrogen, NO2 + NO3 as N (unfiltered)	0.13	J	0.052	0.17	mg/L	7/26/23 8:57	7/26/23 11:42	JDO	4500-NO3 F-2000	2
Phosphorus, tot. as P	0.43		0.0090	0.030	mg/L	7/20/23 16:32	7/24/23 16:33	AMR	4500-P F-1999	2
BOD-5 day	12		4.0	4.0	mg/L	7/20/23 10:55	7/25/23 7:40	AAK	5210 B-2001	2



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List of Certifications

Code	Description	Number	Expires
2	NLS (Crandon) WDNR Laboratory ID No.	721026460	8/31/23



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Qualifiers and Definitions

Item	Definition
J	Result is between LOD and LOQ and considered to be within a region of less-certain quantitation.
ND	Analyte NOT DETECTED at or above the LOD or MRL.
LOD	Limit of Detection.
LOQ	Limit of Quantitation.
NA	Not Applicable.
Dry	Dry Weight Basis.
Wet	Wet Weight Basis.
% Dry	Equal to: (mg/kg dry) / 10000.
1000 ug/L	Equal to: 1 mg/L.
MCL	Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.
RPD	Relative Percent Difference.
%REC	Percent Recovery.
Source	Sample that was matrix spiked or duplicated.

All LOD/LOQs adjusted to reflect preparation volumes, dilutions, and/or solids content.

CB08263

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NOR

Analytical
400 Nor
Tel: (715

Wisconsin DNR cert ID
721026460 (Cran) / 268533760 (Wauk)
Wisconsin DATCP ID
105-000330 (Cran) / 105-000479 (Wauk)

CLIENT Lake Sinissippi Improvement District

ADDRESS PO Box 89 STATE WI ZIP 53034

CITY Hustisford

PROJECT DESCRIPTION / NO. 16-777 QUOTATION NO.

DNR FID # _____ DNR LICENSE # _____

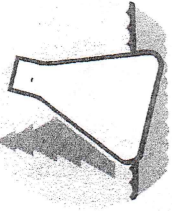
CONTACT Dave Behl PHONE 920-285-4091

PURCHASE ORDER NO. 16-777 Acct # FAX _____

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS	
phosphorus	X
Total SS	X
BOD	X
Ammonia	X
Nitrogen	X
Nitrate	X

MATRIX:
 SW = surface water
 WW = waste water
 GW = groundwater
 DW = drinking water
 TIS = tissue
 AIR = air
 SOIL = soil
 SED = sediment
 PROD = product
 SL = sludge
 OTHER _____



NO. 215337

ITEM NO.	NLS LABEL NO.	SAMPLE ID	COLLECTION DATE	TIME	MATRIX (See above)	COLLECTION REMARKS (i.e. DNR Well ID #)
1.		Hwy 5 Bridge			SW	
2.		Hustisford Dam			SW	
3.		Dead Creek			SW	
4.		Hwy 5 Springs			SW	
5.		Horgan Golf				
6.						
7.						
8.						
9.						
10.						

small Bottle Tipped over Fluid lost.

COLLECTED BY (signature) Dave Behl CUSTODY SEAL NO. (IF ANY) 1:38 PM 7/19/23 DATE/TIME

RELINQUISHED BY (signature) _____ RECEIVED BY (signature) _____ DATE/TIME

DISPATCHED BY (signature) _____ METHOD OF TRANSPORT WAD DATE/TIME

RECEIVED AT NLS BY (signature) MS DATE/TIME 12:15 CONDITION OK TEMP. 1°C #12

COOLER # _____ PRESERVATIVE: N = nitric acid OH = sodium hydroxide HA = hydrochloric & ascorbic acid NP = no preservative Z = zinc acetate M = methanol H = hydrochloric acid S = sulfuric acid

REPORT TO Dave Behl
N 586 Hwy A
Waterford, WI 53098
ddbeh12@gmail.com

INVOICE TO L5ID
PO Box 89
Hustisford, WI 53034

REMARKS & OTHER INFORMATION
#7 Sdy added to line 3. VN 7/20/23

WDNR FACILITY NUMBER _____ E-MAIL ADDRESS _____

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
 2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
 3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP YELLOW COPY.
 4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

IMPORTANT

Rev. 7/20/15