

NORTHERN LAKE SERVICE, INC.  
 Analytical Laboratory and Environmental Services  
 400 North Lake Avenue - Crandon, WI 54520  
 Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460  
 WDATCP Laboratory Certification No. 105-330  
 EPA Laboratory ID No. WI00034

Printed: 03/09/20 Page 1 of 2

NLS Project: 340026

NLS Customer: 107350

Phone: 815 219 9270

Project: 16-777

**Hwy S Bridge NLS ID: 1175011**

COC: 215337:1 Matrix: SW  
 Collected: 02/24/20 00:00 Received: 02/25/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	<4	mg/L	1			02/25/20	5210 B-2001	721026460
A "less than" result is given due to under-depletion in all sample dilutions.								
Nitrogen, ammonia as N (unfiltered)	0.10	mg/L	1	0.027	0.090	03/04/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	3.2	mg/L	1	0.030	0.10	02/26/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	0.78	mg/L	1	0.10	0.35	03/06/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.087	mg/L	1	0.0060	0.020	03/06/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	2.8	mg/L	1	2.0*		02/27/20	2540 D-1997	721026460

**Hustisford Dam NLS ID: 1175012**

COC: 215337:2 Matrix: SW  
 Collected: 02/24/20 00:00 Received: 02/25/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	<4	mg/L	1			02/25/20	5210 B-2001	721026460
A "less than" result is given due to under-depletion in all sample dilutions.								
Nitrogen, ammonia as N (unfiltered)	[0.090]	mg/L	1	0.027	0.090	03/04/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	3.0	mg/L	1	0.030	0.10	02/26/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	0.87	mg/L	1	0.10	0.35	03/06/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.066	mg/L	1	0.0060	0.020	03/06/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	2.3	mg/L	1	2.0*		02/27/20	2540 D-1997	721026460

**Dead Creek NLS ID: 1175013**

COC: 215337:3 Matrix: SW  
 Collected: 02/24/20 00:00 Received: 02/25/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	<3	mg/L	1			02/25/20	5210 B-2001	721026460
A "less than" result is given due to under-depletion in all sample dilutions.								
Nitrogen, ammonia as N (unfiltered)	0.23	mg/L	1	0.027	0.090	03/04/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	3.8	mg/L	1	0.030	0.10	02/26/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	1.0	mg/L	1	0.10	0.35	03/06/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.11	mg/L	2	0.012	0.040	02/28/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	6.8	mg/L	1	2.0*		02/27/20	2540 D-1997	721026460

**Hwy S Springs NLS ID: 1175014**

COC: 215337:4 Matrix: SW  
 Collected: 02/24/20 00:00 Received: 02/25/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	<6	mg/L	1			02/25/20	5210 B-2001	721026460
A "less than" result is given due to under-depletion in all sample dilutions.								
Nitrogen, ammonia as N (unfiltered)	[0.076]	mg/L	1	0.027	0.090	03/04/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	6.1	mg/L	5	0.15	0.50	02/26/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	0.54	mg/L	1	0.10	0.35	03/06/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.069	mg/L	1	0.0060	0.020	02/28/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	5.1	mg/L	1	2.0*		02/27/20	2540 D-1997	721026460

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WDNR Laboratory ID No. 721026460  
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Client: Lake Sinissippi Improvement District  
 Attn: Dave Behl  
 PO Box 89  
 Hustisford, WI 53034

NLS Project: 340026

NLS Customer: 107350

Phone: 815 219 9270

Project: 16-777

**Horican Golf NLS ID: 1175015**

COC: 215337:5 Matrix: SW

Collected: 02/24/20 00:00 Received: 02/25/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	<6	mg/L	1			02/25/20	5210 B-2001	721026460
A "less than" result is given due to under-depletion in all sample dilutions.								
Nitrogen, ammonia as N (unfiltered)	[0.054]	mg/L	1	0.027	0.090	03/04/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	2.1	mg/L	1	0.030	0.10	02/26/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	0.37	mg/L	1	0.10	0.35	03/06/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.045	mg/L	1	0.0060	0.020	02/28/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	3.0	mg/L	1	2.0*		02/27/20	2540 D-1997	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(\*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD)    LOD = Limit of Detection    LOQ = Limit of Quantitation    NA = Not Applicable  
 DWB = Dry Weight Basis    %DWB = (mg/kg DWB) / 10000    1000 ug/L = 1 mg/L  
 MCL = Maximum Contaminant Levels for Drinking Water Samples.    Shaded results indicate >MCL.

Reviewed by:



Authorized by:  
 R. T. Krueger  
 President