

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: 05/19/20 Page 1 of 2

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

NLS Project: 344123
 NLS Customer: 107350
 Phone: 815 219 9270

Project: 16-777

Hwy S Bridge NLS ID: 1187380

COC: 215337:1 Matrix: SW
 Collected: 05/11/20 00:00 Received: 05/12/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	12	mg/L	1			05/12/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.056]	mg/L	1	0.027	0.090	05/13/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	0.33	mg/L	1	0.040	0.14	05/14/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	2.4	mg/L	2	0.20	0.70	05/14/20	EPA 351.2, Rev 2	721026460
Matrix spike recovery was outside of 90-110% method control but within in-house 136-86% QC limits at 115%.								
Phosphorus, tot. as P	0.22	mg/L	1	0.0060	0.020	05/15/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	43	mg/L	1.351	2.7*		05/13/20	2540 D-1997	721026460

Hustisford Dam NLS ID: 1187381

COC: 215337:2 Matrix: SW
 Collected: 05/11/20 00:00 Received: 05/12/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	9.3	mg/L	1			05/12/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.061]	mg/L	1	0.027	0.090	05/13/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	[0.052]	mg/L	1	0.040	0.14	05/14/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	2.1	mg/L	1	0.10	0.35	05/13/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.17	mg/L	1	0.0060	0.020	05/15/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	35	mg/L	1.429	2.9*		05/13/20	2540 D-1997	721026460

Dead Creek NLS ID: 1187382

COC: 215337:3 Matrix: SW
 Collected: 05/11/20 00:00 Received: 05/12/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	3.3	mg/L	1			05/12/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.078]	mg/L	1	0.027	0.090	05/13/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	2.5	mg/L	1	0.040	0.14	05/14/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	1.8	mg/L	1	0.10	0.35	05/13/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.13	mg/L	1	0.0060	0.020	05/15/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	20	mg/L	1.25	2.5*		05/13/20	2540 D-1997	721026460

HWY S Springs NLS ID: 1187383

COC: 215337:4 Matrix: SW
 Collected: 05/11/20 00:00 Received: 05/12/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	<2	mg/L	1			05/12/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	0.13	mg/L	1	0.027	0.090	05/13/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	4.2	mg/L	5	0.20	0.70	05/14/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	0.76	mg/L	1	0.10	0.35	05/14/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.077	mg/L	1	0.0060	0.020	05/15/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	3.7	mg/L	.893	1.8*		05/13/20	2540 D-1997	721026460

Vilmar Springs

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Project: 16-777

Horicon Golf NLS ID: 1187384

COC: 215337:5 Matrix: SW
 Collected: 05/11/20 00:00 Received: 05/12/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
BOD-5 day	4.2	mg/L	1			05/12/20	5210 B-2001	721026460
Nitrogen, ammonia as N (unfiltered)	[0.062]	mg/L	1	0.027	0.090	05/13/20	4500-NH3 G-1997	721026460
Nitrogen, NO2 + NO3 as N (unfiltered)	1.7	mg/L	1	0.040	0.14	05/14/20	4500-NO3 F-2000	721026460
Nitrogen, Kjeldahl as N (unfiltered)	0.73	mg/L	1	0.10	0.35	05/14/20	EPA 351.2, Rev 2	721026460
Phosphorus, tot. as P	0.044	mg/L	1	0.0060	0.020	05/15/20	4500-P E-1999	721026460
Solids, tot. susp. (TSS)	7.2	mg/L	.862	1.7*		05/13/20	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