

ANALYTICAL REPORT

Client: Lake Sinissippi Improvement District
 Attn: Dave Behl
 N5112 Arrowhead Trail
 Juneau, WI 53039

NLS Project: 352425

NLS Customer: 107350

Phone: 815 219 9270

PO # 16-777

Project: 16-777

Hwy S Bridge NLS ID: 1212094

COC: 215337:1 Matrix: SW

Collected: 09/02/20 16:30 Received: 09/03/20

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---------------------------------------|---------|-------|----------|--------|-------|----------|------------------|-----------|
| BOD-5 day | 6.3 | mg/L | 1 | | | 09/03/20 | 5210 B-2001 | 721026460 |
| Nitrogen, ammonia as N (unfiltered) | [0.035] | mg/L | 1 | 0.027 | 0.090 | 09/09/20 | 4500-NH3 G-1997 | 721026460 |
| Nitrogen, NO2 + NO3 as N (unfiltered) | 0.59 | mg/L | 1 | 0.040 | 0.14 | 09/10/20 | 4500-NO3 F-2000 | 721026460 |
| Nitrogen, Kjeldahl as N (unfiltered) | 2.1 | mg/L | 2 | 0.20 | 0.70 | 09/15/20 | EPA 351.2, Rev 2 | 721026460 |
| Phosphorus, tot. as P | 0.26 | mg/L | 1 | 0.0060 | 0.020 | 09/10/20 | 4500-P E-1999 | 721026460 |
| Solids, tot. susp. (TSS) | 37 | mg/L | 1.515 | 3.0* | | 09/04/20 | 2540 D-1997 | 721026460 |

Hustisford Dam NLS ID: 1212095

COC: 215337:2 Matrix: SW

Collected: 09/02/20 16:30 Received: 09/03/20

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---------------------------------------|--------|-------|----------|--------|-------|----------|------------------|-----------|
| BOD-5 day | 12 | mg/L | 1 | | | 09/03/20 | 5210 B-2001 | 721026460 |
| Nitrogen, ammonia as N (unfiltered) | ND | mg/L | 1 | 0.027 | 0.090 | 09/09/20 | 4500-NH3 G-1997 | 721026460 |
| Nitrogen, NO2 + NO3 as N (unfiltered) | 0.25 | mg/L | 1 | 0.040 | 0.14 | 09/10/20 | 4500-NO3 F-2000 | 721026460 |
| Nitrogen, Kjeldahl as N (unfiltered) | 4.0 | mg/L | 2 | 0.20 | 0.70 | 09/15/20 | EPA 351.2, Rev 2 | 721026460 |
| Phosphorus, tot. as P | 0.38 | mg/L | 1 | 0.0060 | 0.020 | 09/10/20 | 4500-P E-1999 | 721026460 |
| Solids, tot. susp. (TSS) | 65 | mg/L | 3.333 | 6.7* | | 09/04/20 | 2540 D-1997 | 721026460 |

Dead Creek NLS ID: 1212096

COC: 215337:3 Matrix: SW

Collected: 09/02/20 16:30 Received: 09/03/20

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---------------------------------------|--------|-------|----------|--------|-------|----------|------------------|-----------|
| BOD-5 day | 2.2 | mg/L | 1 | | | 09/03/20 | 5210 B-2001 | 721026460 |
| Nitrogen, ammonia as N (unfiltered) | 0.20 | mg/L | 1 | 0.027 | 0.090 | 09/09/20 | 4500-NH3 G-1997 | 721026460 |
| Nitrogen, NO2 + NO3 as N (unfiltered) | 0.87 | mg/L | 1 | 0.040 | 0.14 | 09/10/20 | 4500-NO3 F-2000 | 721026460 |
| Nitrogen, Kjeldahl as N (unfiltered) | 1.5 | mg/L | 1 | 0.10 | 0.35 | 09/15/20 | EPA 351.2, Rev 2 | 721026460 |
| Phosphorus, tot. as P | 0.31 | mg/L | 1 | 0.0060 | 0.020 | 09/10/20 | 4500-P E-1999 | 721026460 |
| Solids, tot. susp. (TSS) | 20 | mg/L | 1.25 | 2.5* | | 09/04/20 | 2540 D-1997 | 721026460 |

Hwy S Springs NLS ID: 1212097

COC: 215337:4 Matrix: SW

Collected: 09/02/20 16:30 Received: 09/03/20

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---------------------------------------|--------|-------|----------|-------|-------|----------|------------------|-----------|
| BOD-5 day | 4.4 | mg/L | 1 | | | 09/03/20 | 5210 B-2001 | 721026460 |
| Nitrogen, ammonia as N (unfiltered) | 0.19 | mg/L | 1 | 0.027 | 0.090 | 09/09/20 | 4500-NH3 G-1997 | 721026460 |
| Nitrogen, NO2 + NO3 as N (unfiltered) | 4.4 | mg/L | 1 | 0.040 | 0.14 | 09/10/20 | 4500-NO3 F-2000 | 721026460 |
| Nitrogen, Kjeldahl as N (unfiltered) | 2.8 | mg/L | 1 | 0.10 | 0.35 | 09/15/20 | EPA 351.2, Rev 2 | 721026460 |
| Phosphorus, tot. as P | 0.72 | mg/L | 10 | 0.060 | 0.20 | 09/15/20 | 4500-P E-1999 | 721026460 |
| Solids, tot. susp. (TSS) | 29 | mg/L | 1.667 | 3.3* | | 09/04/20 | 2540 D-1997 | 721026460 |

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

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 Attn: Dave Behl
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 Juneau, WI 53039

NLS Project: 352425

NLS Customer: 107350

Phone: 815 219 9270

PO # 16-777

Project: 16-777

Horicon Golf NLS ID: 1212098

COC: 215337:5 Matrix: SW

Collected: 09/02/20 16:30 Received: 09/03/20

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---------------------------------------|---------|-------|----------|--------|-------|----------|------------------|-----------|
| BOD-5 day | 2.8 | mg/L | 1 | | | 09/03/20 | 5210 B-2001 | 721026460 |
| Nitrogen, ammonia as N (unfiltered) | [0.048] | mg/L | 1 | 0.027 | 0.090 | 09/09/20 | 4500-NH3 G-1997 | 721026460 |
| Nitrogen, NO2 + NO3 as N (unfiltered) | 1.3 | mg/L | 1 | 0.040 | 0.14 | 09/10/20 | 4500-NO3 F-2000 | 721026460 |
| Nitrogen, Kjeldahl as N (unfiltered) | 1.4 | mg/L | 1 | 0.10 | 0.35 | 09/15/20 | EPA 351.2, Rev 2 | 721026460 |
| Phosphorus, tot. as P | 0.34 | mg/L | 1 | 0.0060 | 0.020 | 09/10/20 | 4500-P E-1999 | 721026460 |
| Solids, tot. susp. (TSS) | 73 | mg/L | 1.667 | 3.3* | | 09/04/20 | 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