

#### CERTIFICATE OF ANALYSIS

NY Lab ID 11534

| Project Name: | SLIPD | Workorder: C056190 |
|---------------|-------|--------------------|
|---------------|-------|--------------------|

Karl Hardcastle Saratoga Lake Improvement & Protection PO Box 2551 Ballston Spa, NY 12020

Project Name and Number: SLIPD

August 13, 2020

Dear Karl Hardcastle,

This report relates only to the sample(s) as received by the laboratory. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Caution is advised for the utilization of preliminary data included in reports labeled as "Preliminary Report" and should not be used for regulatory purposes. A laboratory signature is provided on final reports only.

If you have any questions in reference to this laboratory report, please contact your CNA Environmental project coordinator or laboratory manager listed at the bottom of this report at (518) 884-0800.

Note: This coverpage is included as part of the Analytical Report and must be retained as a permanment record thereof.

Laboratory Manager

CNA Environmental, LLC

Matthe a. D.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Matthew Dougan For Johannes Helgren, Field Coordinator



CNA Environmental, LLC

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| crobiologica             | l Parameters                               |                        |          |    |                  |      | ĺ                             | Date Received: 08              | 3/10/20 10:28                  |        |
|--------------------------|--|------------------------|----------|----|------------------|------|-------------------------------|--------------------------------|--------------------------------|--------|
| Sample                   |  |                        |          |    |                  |      | Sample                        |                                |                                |        |
| ID#                      | Analysis                                   | Method                 | Results  | RL | Units            | MCL  | Point                         | Sampled                        | Analyzed                       | Notes  |
| C056190-01               | Fecal Coliform                             | SM 9222 D-06           | 41       | 2  | Colonies/100ml   | 1000 | Nielson Ave                   | 8/10/20 09:00                  | 8/10/20 11:12                  | E, M11 |
| C056190-02               | Fecal Coliform                             | SM 9222 D-06           | 840      | 9  | Colonies/100ml   | 1000 | Lake Lonely                   | 8/10/20 09:00                  | 8/10/20 11:12                  | E, M11 |
| C056190-03               | Fecal Coliform                             | SM 9222 D-06           | 4        | 2  | Colonies/100ml   | 1000 | Manning Cove                  | 8/10/20 09:00                  | 8/10/20 11:12                  | E, M11 |
| C056190-04               | Fecal Coliform                             | SM 9222 D-06           | 78       | 2  | Colonies/100ml   | 1000 | Rosy Lane                     | 8/10/20 09:00                  | 8/10/20 11:45                  | E, M11 |
| C056190-05               | Fecal Coliform                             | SM 9222 D-06           | 260      | 10 | Colonies/100ml   | 1000 | Cold Spring                   | 8/10/20 09:00                  | 8/10/20 11:45                  | E, M11 |
| C056190-06               | Fecal Coliform                             | SM 9222 D-06           | 25       | 2  | Colonies/100ml   | 1000 | Brown Beach                   | 8/10/20 09:00                  | 8/10/20 11:45                  | E, M11 |
| C056190-07               | Fecal Coliform                             | SM 9222 D-06           | 750      | 9  | Colonies/100ml   | 1000 | Sucker Brook                  | 8/10/20 09:00                  | 8/10/20 12:10                  | E, M11 |
| C056190-08               | Fecal Coliform                             | SM 9222 D-06           | 11       | 2  | Colonies/100ml   | 1000 | Pump Station                  | 8/10/20 09:00                  | 8/10/20 12:10                  | E, M11 |
| C056190-09               | Fecal Coliform                             | SM 9222 D-06           | 10       | 2  | Colonies/100ml   | 1000 | Lee Campground                | 8/10/20 09:00                  | 8/10/20 12:10                  | E, M11 |
| C056190-10               | Fecal Coliform                             | SM 9222 D-06           | 270      | 10 | Colonies/100ml   | 1000 | Waterfront Park               | 8/10/20 09:00                  | 8/10/20 12:45                  |        |
| C056190-11               | Fecal Coliform                             | SM 9222 D-06           | 8        | 2  | Colonies/100ml   | 1000 | Waters Edge                   | 8/10/20 09:00                  | 8/10/20 12:45                  | E, M11 |
| C056190-12               | Fecal Coliform                             | SM 9222 D-06           | 42       | 2  | Colonies/100ml   | 1000 | Kayaderosseras                | 8/10/20 09:00                  | 8/10/20 12:45                  |        |
| C056190-13               | Fecal Coliform                             | SM 9222 D-06           | 370      | 10 | Colonies/100ml   | 1000 | Sandy Bay                     | 8/10/20 09:30                  | 8/10/20 12:45                  |        |
| C056190-14               | Fecal Coliform                             | SM 9222 D-06           | 490      | 10 | Colonies/100ml   | 1000 | Sucker 70 N                   | 8/10/20 09:00                  | 8/10/20 13:22                  |        |
| C056190-15               | Fecal Coliform                             | SM 9222 D-06           | 390      | 10 | Colonies/100ml   | 1000 | Sucker 425 E                  | 8/10/20 09:00                  | 8/10/20 13:22                  |        |
| C056190-16               | Fecal Coliform                             | SM 9222 D-06           | 1300     | 2  | Colonies/100ml   | 1000 | Sucker 70 M                   | 8/10/20 09:00                  | 8/10/20 13:22                  | E, M11 |
| Sample                   |  |                        |          |    |                  |      | Sample                        |                                |                                |        |
| ID#                      | Analysis                                   | Method                 | Results  | RL | Units            | MCL  | Point                         | Sampled                        | Analyzed                       | Notes  |
| C056190-01               | E. Coli Confirmation                       | SM 9222 G              | 28       | 2  | Colonies/100ml   | 240  | Nielson Ave                   | 8/10/20 09:00                  | 8/10/20 11:12                  | E, M11 |
| C056190-02               | E. Coli Confirmation                       | SM 9222 G              | 840      | 9  | Colonies/100ml   | 240  | Lake Lonely                   | 8/10/20 09:00                  | 8/10/20 11:12                  | E, M11 |
| C056190-03               | E. Coli Confirmation                       | SM 9222 G              | ND       | 2  | Colonies/100ml   | 240  | Manning Cove                  | 8/10/20 09:00                  | 8/10/20 11:12                  | E, M11 |
| C056190-04               | E. Coli Confirmation                       | SM 9222 G              | 78       | 2  | Colonies/100ml   | 240  | Rosy Lane                     | 8/10/20 09:00                  | 8/10/20 11:45                  | E, M11 |
| C056190-05               | E. Coli Confirmation                       | SM 9222 G              | 260      | 10 | Colonies/100ml   | 240  | Cold Spring                   | 8/10/20 09:00                  | 8/10/20 11:45                  | E, M11 |
| C056190-06               | E. Coli Confirmation                       | SM 9222 G              | 17       | 2  | Colonies/100ml   | 240  | Brown Beach                   | 8/10/20 09:00                  | 8/10/20 11:45                  | E, M11 |
| C056190-07               | E. Coli Confirmation                       | SM 9222 G              | 660      | 9  | Colonies/100ml   | 240  | Sucker Brook                  | 8/10/20 09:00                  | 8/10/20 12:10                  | E, M11 |
| C056190-08               | E. Coli Confirmation                       | SM 9222 G              | 10       | 2  | Colonies/100ml   | 240  | Pump Station                  | 8/10/20 09:00                  | 8/10/20 12:10                  | E, M11 |
|                          | E. Coli Confirmation                       | SM 9222 G              | 7        | 2  | Colonies/100ml   | 240  | Lee Campground                | 8/10/20 09:00                  | 8/10/20 12:10                  | E, M11 |
| C056190-09               |  |                        |          |    | Colonies/100ml   | 240  | Waterfront Park               | 8/10/20 09:00                  | 8/10/20 12:45                  |        |
| C056190-09<br>C056190-10 | E. Coli Confirmation                       | SM 9222 G              | 270      | 10 | Colonies/ Ioonii | 210  |                               |                                |                                |        |
|                          | E. Coli Confirmation  E. Coli Confirmation | SM 9222 G<br>SM 9222 G | 270<br>8 | 10 | Colonies/100ml   | 240  | Waters Edge                   | 8/10/20 09:00                  | 8/10/20 12:45                  | E, M11 |
| C056190-10               |  |                        |          |    |                  |      | Waters Edge<br>Kayaderosseras | 8/10/20 09:00<br>8/10/20 09:00 | 8/10/20 12:45<br>8/10/20 12:45 | E, M11 |

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| N | 4icrobiologica | l Parameters         |           |         |    |                |     |                 | Date Received: 08 | 3/10/20 10:28 |        |
|---|----------------|----------------------|-----------|---------|----|----------------|-----|-----------------|-------------------|---------------|--------|
|   | Sample<br>ID#  | Analysis             | Method    | Results | RL | Units          | MCL | Sample<br>Point | Sampled           | Analyzed      | Notes  |
|   | C056190-14     | E. Coli Confirmation | SM 9222 G | 490     | 10 | Colonies/100ml | 240 | Sucker 70 N     | 8/10/20 09:00     | 8/10/20 13:22 |        |
|   | C056190-15     | E. Coli Confirmation | SM 9222 G | 390     | 10 | Colonies/100ml | 240 | Sucker 425 E    | 8/10/20 09:00     | 8/10/20 13:22 |        |
|   | C056190-16     | E. Coli Confirmation | SM 9222 G | 1300    | 2  | Colonies/100ml | 240 | Sucker 70 M     | 8/10/20 09:00     | 8/10/20 13:22 | E, M11 |

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Matthew Dougan For Johannes Helgren, Field Coordinator



#### **Notes and Definitions**

M11 Plate count was outside method reporting range. Result is an Estimate.

E Estimate

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the Reporting Limit (RL)

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference
< Less than reporting limit

Less than or equal to reporting limit
 Greater than reporting limit

 $\geq$  Greater than or equal to reporting limit

MDL Method Detection Limit

RL Reporting Limit-Lowest concentration level that is reportable

MCL/AL Maxium Contaminant Level\*/Action Level

mg/kg wet Results reported as wet weight
TTLC Total Threshold Limit Concentration
STLC Soluble Threshold Limit Concentration
TCLP Toxicity Characteristic Leachate Procedure

\*MCL values listed in this report are taken from the New York State Department of Health Part 5, Subpart 5-1 Public Water System Tables. A full list of parameters and their associated MCL values can be found on the New York Department of Health's website, www.health.ny.gov. Please note that some parameters tested may not have an associated MCL value. In other cases, a listed MCL value may refer to a recommended result limit or result equivalent to another parameter; as is the case for heterotrophic plate count (HPC). HPC results equal to or less than 500 colonies/mL is considered to be equivalent to a measurable free chlorine residual.

All work performed by CNA Environmental, LLC is subject to its terms and conditions of services viewable at our office and our website: www.cnawater.com/about-us/terms

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# Certified National Analytic Labs

### Ballston Spa, NY 12020 27 Kent Street

Main Office and Lab M-F 8:00 AM - 4:30 PM Sat 10:00 AM - Noon *Total Coliforms ONLY* 

(518) 884-0800

DRINKING WATER NON-POTABLE WATER - MILK - FOOD - AIM

Satellite Office (Sample Receipt)
Monday 1pm-3pm, Friday 1pm-3pm
Tues, Wed, Thursday: 10am-2pm

CNA Environmental LLC. Glens Falls, NY 12801 (518) 884-0800 ext 408 172 Ridge Street

|  | Chlorine Residual (mg/l):  |  |   |                                | `  |  |   |
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|  | tory for any and all analyses in the event that CNA is unable  | on non-potable water.<br>jht to use an approved labora   | ssolved oxygen<br>reserves the ric      | as well as di                  | drinking water<br>approved labo  | INA also conducts pH. Residual Chlorine, and Total Hardness on drinking water as well as dissolved oxygen on non-potable water.  If other analyses will be forwarded to an NYS DOH ELAP/NELAC approved laboratory. CNA reserves the right to use an approved laboratory for any and all analyses in erform an analysis.  | 2NA also conducts pH, Re<br>vil other analyses will be fo<br>serform an analysis. |
|  | inded), Standard Plate Count, Sulfate, and Turbidity.  | s, Solids (settleable and susp   | , Nitrate, Nitrito                      | e, Legionella                  | E. coli, Fluorid   | von-Potable water: BOD, Coliform (fecal and total), Conductivity, E. coli., Fluoride, Legionella , Nitrate, Nitrite, Solids (settleable and suspended), Standard Plate Count,  | on-Potable water: BOD,  |
| of 7   | Plate Count, Sulfate, and Turbidity.   | lowing analyses:<br>trate, Nitrite, Odor, Standard   | Legionella, Ni                          | oi Healin to<br>xxii, Fluoride | corrosivity, E.  | onable water: Akalinity, Chloride, Coliform, Color, Conductivity, Corrosivity, E. coli, Fluoride, Legionella, Nitrate, Nitrite, Odor, Standard Plate Count, Sulfate, and Turbidity.  | otable water: Alkalinity, (   |
| C056   | Date/Time:   | n Spa: AM  | Received by Laboratory in Ballston Spa: | y Laborato                     | Received b   | recipion in to the condition to the New Y  | Relinquished by:  |
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| D 11   | Raw = Untreated source water, NPW = Non-potable other (le lake), WW = waste water.   | rce water, NPW = Non-p   | itreated sou                            | Raw = U                        | designation of the second of t | district of fewer uses of several control of the co | ATTORN-VERN CORPERTED THE STREET HER ARRIVAL HOD MATERIAL MANAGEMENT AND THE      |
| :31:0  | ANT  | KAKU   | SAQA+05,A                               | SAD.                           |  | ,  |   |
| Decederation   | Sample Source (public water, well, pond. etc.)   | 1781   | Public Water Supply#:                   | Public W                       | ָ<br>נ   | (  | IMPORDOMO:  |
| The state of the s | 2000   | C / Perso  | hone wil                                | Contact Phone                  | orania caracina de la composica de la composic | Client Name & Property Address of Site Sampled   | Client Name & Prope   |
|  | -0   | Chain of Custody Form  | 7 0 Cu                                  | Chai                           |  |  |   |

Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Used: y(N

## **Certified National Analytic Labs**

## The state of the s

#### Glens Falls, NY 12801 172 Ridge Street

2022

27 Kent Street

Ballston Spa, NY 12020 (518) 884-0800

Monday 1pm-3pm, Friday 1pm-3pm Satellite Office (Sample Receipt)

(518) 884-0800 ext 408

DRINKING WATER- HOW-POTABLE WATER- MILK-FOOD- AIR Sat 10:00 AM - Noon Total Coliforms ONLY Main Office and Lab M-F 8:00 AM - 4:30 PM

Mailing/Billing Address: Samples were: Ship //Hand ) Drop Containers Intact: CNA USE ONLY Sample Retention Times: Finished products are kept until code date unless otherwise advised. Environmental spor All other analyses will be forwarded to an NYS DOH ELAP/NELAC approved laboratory. CNA reserves the right to use an approved laboratory for any and all analyses in the event that CNA is unable to perform an analysis. CNA also conducts pH, Residual Chlorine, and Total Hardness on drinking water as well as dissolved oxygen on non-potable water CNA Environmental, LLC's mission is to be certified by the New York State Dept. of Health to perform the following analyses Relinguished by: Non-Potable water: BOD, Coliform (fecal and total), Conductivity, E. coli, Fluoride, Legionella, Nitrate, Nitrite, Solids (settleable and suspended), Standard Plate Count, Sulfate, and Turbidity Potable water: Alkalinity, Chloride, Coliform, Color, Conductivity, Corrosivity, E. coli, Fluoride, Legionella, Nitrate, Nitrite, Odor, Standard Plate Count, Sulfate, and Turbidity, Relinquished by: Relinquished by Client Name & Property Address of Site Sampled (CNA Use) Lab ID るがり inished products are kept until code date unless otherwise advised. Environmental sponges, water, and any other samples that have a 'hold time' will not be saved after otherwise instructed by the regulatory body. Any atypical results: the client is contacted ASAP and CNA retains the sample based on the direction given by the client on how to Sample Point S O Z. Labels Match COC: Properly Preserved: Y N COC Completé: Received by Laboratory in Baliston Spa: Received by: Received by: Ø Date 100 Public Water Supply#: **Contact Phone** Raw = Untreated source water, NPW = Non-potable other (ie lake), WW = waste water Water Types: DW = Drinking water (chlorination, UV system, residential well) Chain of Custody Form 0 Time స్థ Comments: ₽ ₽ Ą₽ ĄΡ ₽ Ş ₽ ĄΡ ₹ ₽ S z SPAR Composite Grab or Water Туре Sample Source (public water, well, pond, etc) Person taking sample(s) bottles # of Chlorine Residual (mg/l): Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Used: Y/N) Method of Payment: On Ice/Cooling: Date/Time: Temp. Upon Receipt: Date/Time: Date/Time: Tues, Wed, Thursday: 10am-2pm 061190 0 ~ Analysis 0 12