



RQ-2020- see page 1

Customer: SWROC

Project ID: SMP

Collected By: SWROC

Field Report Prepared By:

Sampling Agency: DEP SWROC

Field ID/WIN

G1SW0110



Site Name: Starvation Lake @ Center

Comments:

1498A

Matrix: ☒ Fresh ☐ Marine

(Check one)

☒ GRAB☐ COMPOSITE

| Date    | Time | DO (mg/L) | DO (%SAT) | Temp. (C°) | pH   | Sample Depth (m) | Secchi Disk (m)                  | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPT) |
|---------|------|-----------|-----------|------------|------|------------------|----------------------------------|-----------------|--------------------|----------------|
| 2-17-20 | 1150 | 7.55      | 86.0      | 21.6       | 6.46 | 0.3              | 1.9                              | 4.4             | 135.5              | 0.06           |
|         | EST  |           |           |            |      |                  | <input type="checkbox"/> VOB (S) |                 |                    |                |

Cental Lab please use top row for login purposes

|  |     |      |      |      |      |     |     |     |       |      |
|--|-----|------|------|------|------|-----|-----|-----|-------|------|
|  |     |      |      |      |      |     |     |     |       |      |
|  | EST | 4.63 | 48.5 | 18.0 | 6.60 | 3.9 | 1.9 | 4.4 | 134.0 | 0.06 |

| Parameter Suite                           | Parameter Methods                                                                                                                                                                                                                                    | Preservation                                                                            | pH Check                               | # Bottles sent to Lab | Bottle Group |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------|-----------------------|--------------|
| <b>Preserved Nutrients (P-500ML)</b>      | <input checked="" type="checkbox"/> W-NH3 / <input type="checkbox"/> W-NO2NO3 / <input type="checkbox"/> W-TKN / <input type="checkbox"/> W-TOC / <input type="checkbox"/> W-S-A-TP                                                                  | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> H2SO4*                 | <input checked="" type="checkbox"/> <2 |                       |              |
|                                           | Lot # SA9301030 Exp: 10/28/2020                                                                                                                                                                                                                      |                                                                                         |                                        |                       |              |
| <b>Metals (P-500ML)</b>                   | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                                                                                                                                      | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3* <input type="checkbox"/> <2 |                                        |                       |              |
|                                           | Lot # NA9189080 Exp: 7/8/2020                                                                                                                                                                                                                        |                                                                                         |                                        |                       |              |
| <b>Filtered Nutrients (P125ML)</b>        | <input checked="" type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                   | <input checked="" type="checkbox"/> Ice                                                 |                                        |                       |              |
|                                           | Filter Lot # 16968882 Syringe Lot # 9056849                                                                                                                                                                                                          |                                                                                         |                                        |                       |              |
| <b>Chlorophyll (BP-1L)</b>                | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                       | <input checked="" type="checkbox"/> Ice                                                 |                                        |                       |              |
| <b>Physical/Aggregate (Fresh)(P-1L)</b>   | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                   | <input checked="" type="checkbox"/> Ice                                                 |                                        |                       |              |
| <b>Physical/Aggregate (Marine P-1L)</b>   | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                              | <input type="checkbox"/> Ice                                                            |                                        |                       |              |
| <b>Macroinvertebrates (PJ-2L)</b>         | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                  | <input type="checkbox"/> Formalin                                                       |                                        |                       |              |
| <b>Periphyton (PT-50ML)</b>               | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                    | <input type="checkbox"/> Ice                                                            |                                        |                       |              |
| <b>Microbiology (Contract Lab Bottle)</b> | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci <input type="checkbox"/> Contract Lab                                                                                                           | <input type="checkbox"/> Ice                                                            |                                        |                       |              |
| <b>Molecular (QPCR-P-500ML)</b>           | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/> See Notes                                         | <input type="checkbox"/> Ice                                                            |                                        |                       |              |
| <b>Tracers (BG-500ML)</b>                 | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                              | <input type="checkbox"/> Ice                                                            |                                        |                       |              |
| <b>Pesticides (BG-500ML) (BG-1L)</b>      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) | <input type="checkbox"/> Ice                                                            |                                        |                       |              |

Name: Susan Ashton

Signature: [Signature]

Date: 2/17/2020

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

Event 2020-02-18-01

LIMS: SM 03/25/2020

QC: SM 04/14/2020



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Customer: SWROC

Project ID: SMP

Collected By: SWROC

Field Report Prepared By: J. Ashton

Sampling Agency: DEP SWROC

| Field ID/WIN<br><b>G1SW0001</b><br>              |      |                                                                                                                                                                                                                                                                                                                                                                             |           |            |      |                                                                                    | Comments:<br><b>1463 D</b>                                                              |                                        |                       |                 |
|--------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------|-----------------------|-----------------|
| Matrix: <u>Fresh</u> Marine                      |      |                                                                                                                                                                                                                                                                                                                                                                             |           |            |      |                                                                                    | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                        |                       |                 |
| Date                                             | Time | DO (mg/L)                                                                                                                                                                                                                                                                                                                                                                   | DO (%SAT) | Temp. (C°) | pH   | Sample Depth (m)                                                                   | Secchi Disk (m)                                                                         | Total Depth (m)                        | Sp COND (µmhos/cm)    | Salinity (PPTH) |
| 2/17/20                                          | 1015 | 9.11                                                                                                                                                                                                                                                                                                                                                                        | 103.8     | 21.8       | 6.09 | 0.3                                                                                | 1.5                                                                                     | 2.8                                    | 153.9                 | 0.07            |
| EST                                              |      |                                                                                                                                                                                                                                                                                                                                                                             |           |            |      |                                                                                    |                                                                                         |                                        |                       |                 |
| Cental Lab please use top row for login purposes |      |                                                                                                                                                                                                                                                                                                                                                                             |           |            |      |                                                                                    |                                                                                         |                                        |                       |                 |
| EST                                              |      |                                                                                                                                                                                                                                                                                                                                                                             |           |            |      |                                                                                    |                                                                                         |                                        |                       |                 |
| Parameter Suite                                  |      | Parameter Methods                                                                                                                                                                                                                                                                                                                                                           |           |            |      | Preservation                                                                       |                                                                                         | pH Check                               | # Bottles sent to Lab | Bottle Group    |
| Preserved Nutrients (P-500ML)                    |      | <input checked="" type="checkbox"/> W-NH3 / <input checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-TOC / <input checked="" type="checkbox"/> W-S-A-TP                                                                                                                                             |           |            |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4* |                                                                                         | <input checked="" type="checkbox"/> <2 |                       |                 |
|                                                  |      | Lot #                                                                                                                                                                                                                                                                                                                                                                       | SA9301030 |            | Exp: | 10/28/2020                                                                         |                                                                                         |                                        |                       |                 |
| Metals (P-500ML)                                 |      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                                                                                                                                                                                                                                                             |           |            |      | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                        |                                                                                         | <input type="checkbox"/> <2            |                       |                 |
|                                                  |      | Lot #                                                                                                                                                                                                                                                                                                                                                                       | NA9189080 |            | Exp: | 7/8/2020                                                                           |                                                                                         |                                        |                       |                 |
| Filtered Nutrients (P125ML)                      |      | <input checked="" type="checkbox"/> W-PC4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                                                                                               |           |            |      | <input checked="" type="checkbox"/> Ice                                            |                                                                                         |                                        |                       |                 |
|                                                  |      | Filter Lot #                                                                                                                                                                                                                                                                                                                                                                | 16968882  |            |      |                                                                                    |                                                                                         |                                        |                       |                 |
|                                                  |      | Syringe Lot #                                                                                                                                                                                                                                                                                                                                                               | 9056849   |            |      |                                                                                    |                                                                                         |                                        |                       |                 |
| Chlorophyll (BP-1L)                              |      | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                                                                                              |           |            |      | <input checked="" type="checkbox"/> Ice                                            |                                                                                         |                                        |                       |                 |
| Physical/Aggregate (Fresh)(P-1L)                 |      | <input checked="" type="checkbox"/> Alkalinity / <input checked="" type="checkbox"/> W-F / <input checked="" type="checkbox"/> W-TSS / <input checked="" type="checkbox"/> TURBIDITY / <input checked="" type="checkbox"/> W-CL-IC / <input checked="" type="checkbox"/> W-COLOR / <input checked="" type="checkbox"/> W-SO4-IC / <input checked="" type="checkbox"/> W-TDS |           |            |      | <input checked="" type="checkbox"/> Ice                                            |                                                                                         |                                        |                       |                 |
| Physical/Aggregate (Marine P-1L)                 |      | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-BR-IC / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                                                                                 |           |            |      | <input type="checkbox"/> Ice                                                       |                                                                                         |                                        |                       |                 |
| Macroinvertebrates (PJ-2L)                       |      | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                                                                                                         |           |            |      | <input type="checkbox"/> Formalin                                                  |                                                                                         |                                        |                       |                 |
| Periphyton (PT-50ML)                             |      | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                                                                                                           |           |            |      | <input type="checkbox"/> Ice                                                       |                                                                                         |                                        |                       |                 |
| Microbiology (Contract Lab Bottle)               |      | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci <input type="checkbox"/> Contract Lab                                                                                                                                                                                                                                  |           |            |      | <input type="checkbox"/> Ice                                                       |                                                                                         |                                        |                       |                 |
| Molecular (QPCR-P-500ML)                         |      | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/> See Notes                                                                                                                                                                |           |            |      | <input type="checkbox"/> Ice                                                       |                                                                                         |                                        |                       |                 |
| Tracers (BG-500ML)                               |      | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS                                                                                                                                                                                                                                                                               |           |            |      | <input checked="" type="checkbox"/> Ice                                            |                                                                                         |                                        |                       |                 |
| Pesticides (BG-500ML) (BG-1L)                    |      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution)                                                                                                                       |           |            |      | <input type="checkbox"/> Ice                                                       |                                                                                         |                                        |                       |                 |
| Name: <u>Judy Ashton</u>                         |      | Signature: <u>Judy Ashton</u>                                                                                                                                                                                                                                                                                                                                               |           |            |      |                                                                                    |                                                                                         | Date: <u>2/17/2020</u>                 |                       |                 |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

Event: 2020-02-18-01

LIMS: SM 03/25/2020



|          |              |          |                 |               |               |                                     |   |
|----------|--------------|----------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type: | P-1L     | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | ALKALINITY   |          |                 |               |               |                                     |   |
|          | TURBIDITY    |          |                 |               |               |                                     |   |
|          | W-CL-IC      |          |                 |               |               |                                     |   |
|          | W-COLOR      |          |                 |               |               |                                     |   |
|          | W-F          |          |                 |               |               |                                     |   |
|          | W-SO4-IC     |          |                 |               |               |                                     |   |
|          | W-TDS        |          |                 |               |               |                                     |   |
|          | W-TSS        |          |                 |               |               |                                     |   |
| Group: A | Bottle Type: | BP-1L    | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | CHLSUITE-W   |          |                 |               |               |                                     |   |
| Group: A | Bottle Type: | BG-500ML | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | W-E8321-DI   |          |                 |               |               |                                     |   |
|          | W-E8321-MS   |          |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-500ML  | # of Bottles: 2 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2 |
|          | W-NH3        |          |                 |               |               |                                     |   |
|          | W-NO2NO3     |          |                 |               |               |                                     |   |
|          | W-S-A-TP     |          |                 |               |               |                                     |   |
|          | W-TKN        |          |                 |               |               |                                     |   |
|          | W-TOC        |          |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-125ML  | # of Bottles: 2 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 2 |
|          | W-PO4-F      |          |                 |               |               |                                     |   |