

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**Status & Trend Networks - Chain of Custody Form - January 2022 version**

**Date Collected:** 09/20/2023 **Collected By (Agency Code):** 8010  
**Customer:** AMBIENT **Sampler Names:** Frank Butera, Nathan Mulkey  
**RQ-**  **Lab Project ID:** STATUS  
**RQ-2023-09-04-17**  
**Project Name:** Z1SL2309 **# Coolers Shipped:** 1 **Shipping Method:** FedEx

**Instructions:** Please return the original of this form to the lab along with sample inventory portion of field sheet for each station sampled.

Load digital labels into fields below for all samples & blanks submitted under this RQ for this collection date.

Email completed documentation to: lab.receiving@floridadep.gov.

**OR** Print completed documentation and place in zipper bag taped to inside lid of cooler.

| Site Location                                                                                        | Field ID                                                                                               |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <br>Z1-SL-17009     | <br>Z1-SL-17009      |
| <br>801023090101000 | <br>QA/QC BLANK SW 1 |



**Date:** 09/20/2023 **Time:** 17:00 CTZ

**Relinquished By Signature:**

**Relinquished By:** Frank Butera

**THIS SECTION IS TO BE COMPLETED BY THE LABORATORY**

**Received/ Inspected By:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_ ETZ



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STATUS & TREND NETWORKS FIELD SHEET - SURFACE WATER  
Effective: January 2023

Collection Agency: 8010 Project Name: Z1SL2309 Date: 09/20/2023

Trend Network Station Name:  
OR Status Network Random ID: Z1-SL-17009

Waterbody Name: EVERETT CAMP LAKE RQ-2023-09-04-17

Waterbody Type: SMALL LAKE

| Sampling Team Member Names | Field Measurements | Water Sample Collection | Documentation | Sample Preservation | Field / Equip. Blank Collection | Sediment Sample Collection | Bioassessment Data Collection | Signatures or Initials |
|----------------------------|--------------------|-------------------------|---------------|---------------------|---------------------------------|----------------------------|-------------------------------|------------------------|
| Frank Butera               | X                  |                         | X             |                     | X                               | X                          | X                             | FB                     |
| Nathan Mulkey              |                    | X                       |               | X                   |                                 |                            |                               | NM                     |
|                            |                    |                         |               |                     |                                 |                            |                               |                        |
|                            |                    |                         |               |                     |                                 |                            |                               |                        |
|                            |                    |                         |               |                     |                                 |                            |                               |                        |

Additional Personnel / Visitors On-site:

Weather Conditions: Overcast, 80's Fahrenheit

Photos Taken: YES (Required for all Status stations. Required annually for all Trend stations.)

|                                                    |                                                                                                                                                                                                     |                                    |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Water Level: NORMAL                                | Flow: N/A                                                                                                                                                                                           | Tide: N/A                          |
| QA/QC Blank Collected at this station? FIELD BLANK |                                                                                                                                                                                                     |                                    |
| QA/QC Blank Field ID: QA/QC BLANK SW 1             |                                                                                                                                                                                                     | Collection Time (24 hr): 13:15 CTZ |
| Van Dorn Equip. ID / Name:                         |                                                                                                                                                                                                     | Cleaning:                          |
| Bioassessment Data Collected:                      | <input type="checkbox"/> None <input checked="" type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> LVS <input checked="" type="checkbox"/> LVI |                                    |

|                                                                                                           |                                  |
|-----------------------------------------------------------------------------------------------------------|----------------------------------|
| Sediment Sample Collected: NO                                                                             | Sed. Collection Time (24hr): CTZ |
| Sed. Collection Depth (m) (total water depth):                                                            | Number of Grabs (minimum 3):     |
| Sed. Collection Interval:                                                                                 |                                  |
| Sed. Collection Area Description:                                                                         |                                  |
| Sed. Collection Device:                                                                                   | Device ID:                       |
| Dominant Sed. Type (select one):                                                                          |                                  |
| Sediment Odors (select one):                                                                              |                                  |
| Sediment Color:                                                                                           |                                  |
| Sediment Sample Comments: No sediment sample. Ekman Dredge could not penetrate thick SAV& CPOM on bottom. |                                  |



Field ID: Z1-SL-17009

Project Name: Z1SL2309

Date: 09/20/2023

Water Sampling Equipment:



Direct Grab with Sample Container



Van Dorn: \_\_\_\_\_ # Grabs; \_\_\_\_\_ Equipment ID

Collection Method: Canoe or Kayak

Field Meter ID: 155077 (ProDSS)

Depth Measurement Device: Field Meter Listed Above

**DATA COLLECTION DEPTHS:** Total depth < 0.1 m → no data collection. Total depth ≥ 0.1 m and < 0.6 m → surf. meas. & sample at mid-depth.  
Total depth ≥ 0.6 m & < 1.5 m → surface meas. & sample at 0.3m. Total depth ≥ 1.5 m → surface meas. & sample at 0.3m, bottom meas. 0.5 m above bottom.

**PRIMARY (SURFACE) SAMPLE**

Collection Time (24 hr): 12:36 CTZ



Check here if Secchi depth visible on bottom (S qualifier needed).



Check here if bottom measurements not collected because total depth &lt; 1.5 m.

| PARAMETER                   | VALUE | QUALIFIER(S) | RESULT COMMENT            |
|-----------------------------|-------|--------------|---------------------------|
| Sample Collection Depth (m) | 0.3   |              |                           |
| Secchi Depth (m)            | 3.2   | S            | SECCHI VISIBLE ON BOTTOM. |
| Total Depth (m)             | 3.2   |              |                           |
| Temp (°C)                   | 28.4  |              |                           |
| D.O. (% SAT)                | 78.1  |              |                           |
| D.O. (mg/L)                 | 6.07  |              |                           |
| Sp. Cond. (umhos/cm)        | 15.8  |              |                           |
| pH (SU)                     | 4.15  |              |                           |

**BOTTOM SAMPLE (FIELD MEAS. ONLY)**

Collection Time (24 hr): 12:45 CTZ

| PARAMETER                   | VALUE | QUALIFIER(S) | RESULT COMMENT |
|-----------------------------|-------|--------------|----------------|
| Sample Collection Depth (m) | 2.7   |              |                |
| Temp (°C)                   | 28.3  |              |                |
| D.O. (% SAT)                | 73.5  |              |                |
| D.O. (mg/L)                 | 5.71  |              |                |
| Sp. Cond. (umhos/cm)        | 16    |              |                |
| pH (SU)                     | 4.25  |              |                |

**SAMPLE COMMENTS**

**PRIMARY (SURFACE):** Only north half of lake available to sample. Access VERY difficult via closed and overgrown road.  
SEDIMENT SAMPLE NOT COLLECTED DUE TO DENSE SUBMERGED AQUATIC VEGETATION.

**BOTTOM:** Could not get sediment sample due to thick SAV and CPOM on bottom.

**OFFICE USE ONLY**

Reviewed By:

Date:

WIN ID: 63277

SBIO-Visit: 88798

HA-ID: 18985

RPS-ID: N/A

Macro-ID: 12764



RQ-2023-09-04-17

Project Name: Z1SL2309

Collected By (Agency Code): 8010

Sampler Names: Frank Butera, Nathan Mulkey

Customer: AMBIENT

Lab Project ID: STATUS

|                                                                                                                                                                                                                               |                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <br>Site Location: Z1-SL-17009<br><br>Field ID: Z1-SL-17009 | <b>Comments:</b><br><br>No Sediment Sample collected.<br><br>Sulfuric Acid Lot #: SA3013020<br><br>Nitric Acid Lot #: NA3123030 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|

| <b>Matrix: W-SURF-FRSH</b>                      |                                                                                                                |                                                                                                                           |                                                                                     | ✓ Grab                                                                                                                                                    |                             |                         |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------|
| Date Collected                                  | Time Collected                                                                                                 | D.O.<br>(% SAT)                                                                                                           | Temp<br>(°C)                                                                        | pH<br>(SU)                                                                                                                                                | Sample<br>Depth (m)         | Sp. Cond.<br>(umhos/cm) |
| 09/20/2023                                      | 12:36 CTZ                                                                                                      | 78.1                                                                                                                      | 28.4                                                                                | 4.15                                                                                                                                                      | 0.3                         | 15.8                    |
| Check Boxes for Each Container Submitted to Lab |                                                                                                                |                                                                                                                           |                                                                                     | Preservation<br>(Must be completed within 15 min<br>of sample collection)                                                                                 | # Bottles<br>sent to<br>Lab | Bottle<br>Group         |
| Parameter Suite                                 | Lab Test Codes<br>Trend Core                                                                                   | Lab Test Codes<br>Status Core                                                                                             | Lab Test Codes<br>Special Projects                                                  |                                                                                                                                                           |                             |                         |
| Chlorophyll<br>(BP-1L)                          | <input type="checkbox"/> CHLSUITE-W                                                                            | <input checked="" type="checkbox"/> CHLSUITE-W                                                                            |                                                                                     | <input checked="" type="checkbox"/> Ice                                                                                                                   | 1                           | A                       |
| Nutrients<br>(P-500ML)                          | <input type="checkbox"/> W-NH3 /<br>W-NO2NO3 / W-S-A-TP /<br>W-TKN / W-TOC                                     | <input checked="" type="checkbox"/> W-NH3 /<br>W-NO2NO3 / W-S-A-TP /<br>W-TKN / W-TOC                                     |                                                                                     | <input checked="" type="checkbox"/> 2ML H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> pH < 2 <input checked="" type="checkbox"/> Ice | 1                           |                         |
| Metals<br>(P-500ML)                             | <input type="checkbox"/> W-HARD / W-ICP /<br>W-ICPMS                                                           | <input checked="" type="checkbox"/> W-HARD / W-ICP /<br>W-ICPMS                                                           |                                                                                     | <input checked="" type="checkbox"/> 2ML HNO <sub>3</sub> <input checked="" type="checkbox"/> pH < 2 <input checked="" type="checkbox"/> Ice               | 1                           |                         |
| Anion / Phys.<br>Aggregate<br>(P-1L)            | <input type="checkbox"/> ALKALINITY /<br>TURBIDITY / W-CL-IC /<br>W-COLOR / W-COND /<br>W-F / W-SO4-IC / W-TSS | <input checked="" type="checkbox"/> ALKALINITY /<br>TURBIDITY / W-CL-IC /<br>W-COLOR / W-COND /<br>W-F / W-SO4-IC / W-TSS |                                                                                     | <input checked="" type="checkbox"/> Ice                                                                                                                   | 1                           |                         |
| Microbiology<br>(P-250ML or<br>P-120ML)         | <input type="checkbox"/> ECOLI-18-QT                                                                           | <input checked="" type="checkbox"/> ECOLI-18-QT                                                                           |                                                                                     | <input checked="" type="checkbox"/> Ice                                                                                                                   | 1                           |                         |
| Toxins<br>(P-125ML/BG-250ML)                    |                                                                                                                | <input checked="" type="checkbox"/> W-MCYST-AA /<br>W-SAXTN-MS                                                            | <input type="checkbox"/> W-MCYST-AA /<br>W-SAXTN-MS                                 | <input checked="" type="checkbox"/> Ice                                                                                                                   | 1                           |                         |
| Molecular<br>(QPCR-P-500ML)                     |                                                                                                                |                                                                                                                           | <input type="checkbox"/> PCR-BACR /<br>PCR-DG3 / PCR-GFD /<br>PCR-GULL2 / PCR-HF183 | <input type="checkbox"/> Ice                                                                                                                              |                             |                         |
| Tracers<br>(BG-500ML)                           |                                                                                                                |                                                                                                                           | <input checked="" type="checkbox"/> W-E8321-DI /<br>W-E8321-MS                      | <input checked="" type="checkbox"/> Ice                                                                                                                   | 1                           |                         |
| Pesticides<br>(BG-1L)                           |                                                                                                                |                                                                                                                           | <input type="checkbox"/> W-PSNP-TQ                                                  | <input type="checkbox"/> Ice                                                                                                                              |                             |                         |
| BOD<br>(P-1L)                                   |                                                                                                                |                                                                                                                           | <input type="checkbox"/> OV-BOD-UN                                                  | <input type="checkbox"/> Ice                                                                                                                              |                             |                         |
| Filtered Nutrient<br>(P-125ML)                  |                                                                                                                |                                                                                                                           | <input type="checkbox"/> W-PO4-F                                                    | <input type="checkbox"/> Field Filtered w/ syringe<br>& 0.45 um PES filter <input type="checkbox"/> Ice                                                   |                             |                         |

| <b>Matrix: SEDIMENT</b> |                              | Date Collected: 09/20/2023                                   |                                | Time Collected: CTZ                                                       |                             |                 |
|-------------------------|------------------------------|--------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------|-----------------------------|-----------------|
| Parameter Suite         | Lab Test Codes<br>Trend Core | Lab Test Codes<br>Status Core                                | Lab Test Codes<br>Sp. Projects | Preservation<br>(Must be completed within 15 min<br>of sample collection) | # Bottles<br>sent to<br>Lab | Bottle<br>Group |
| Metals<br>(GJ-500ML)    |                              | <input type="checkbox"/> S-HG-TDA / S-ICP-TO /<br>S-ICPMS-TO |                                | <input type="checkbox"/> Ice                                              |                             |                 |

| <b>Matrix: BIOLOGICAL</b>  |                                     | Date Collected: 09/20/2023    |                                     | Time Collected: CTZ                              |                             |                 |
|----------------------------|-------------------------------------|-------------------------------|-------------------------------------|--------------------------------------------------|-----------------------------|-----------------|
| Parameter Suite            | Lab Test Codes<br>Trend Core        | Lab Test Codes<br>Status Core | Lab Test Codes<br>Special Projects  | Preservation                                     | # Bottles<br>sent to<br>Lab | Bottle<br>Group |
| Macroinvert-SCI<br>(PJ-2L) | <input type="checkbox"/> MI-FW-QLDC |                               | <input type="checkbox"/> MI-FW-QLDC | <input type="checkbox"/> Buffered Formalin (10%) |                             |                 |
| Algal ID<br>(PT-50ML)      | <input type="checkbox"/> ALGAL_ID   |                               | <input type="checkbox"/> ALGAL_ID   | <input type="checkbox"/> Ice                     |                             |                 |



RQ-2023-09-04-17

Project Name: Z1SL2309

Collected By (Agency Code): 8010

Sampler Names: Frank Butera, Nathan Mulkey

Customer: AMBIENT

Lab Project ID: STATUS

|                                                                                                                                                                                                                                        |                                                                                                                |                                                                                                                           |                                                                |                                                                                                                                                           |                              |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------|
| <br>Site Location: 801023090101000<br><br>Field ID: QA/QC BLANK SW 1 |                                                                                                                |                                                                                                                           |                                                                | <b>Comments:</b><br><br>Sulfuric Acid Lot #: SA3013020<br><br>Nitric Acid Lot #: NA3123030                                                                |                              |                     |
| <b>Matrix: FIELD BLANK</b>                                                                                                                                                                                                             |                                                                                                                |                                                                                                                           |                                                                | ✓ Grab                                                                                                                                                    |                              |                     |
| <b>Date Collected</b>                                                                                                                                                                                                                  |                                                                                                                | <b>Blank Collection Time</b>                                                                                              |                                                                |                                                                                                                                                           |                              |                     |
| 09/20/2023                                                                                                                                                                                                                             |                                                                                                                | 13:15 CTZ                                                                                                                 |                                                                |                                                                                                                                                           |                              |                     |
| <b>Check Boxes for Each Container Submitted to Lab</b>                                                                                                                                                                                 |                                                                                                                |                                                                                                                           |                                                                | <b>Preservation</b><br>(Must be completed within 15 min of sample collection)                                                                             | <b># Bottles sent to Lab</b> | <b>Bottle Group</b> |
| <b>Parameter Suite</b>                                                                                                                                                                                                                 | <b>Lab Test Codes Trend Core</b>                                                                               | <b>Lab Test Codes Status Core</b>                                                                                         | <b>Lab Test Codes Special Projects</b>                         |                                                                                                                                                           |                              |                     |
| <b>Nutrients</b><br>(P-500ML)                                                                                                                                                                                                          | <input type="checkbox"/> W-NH3 /<br>W-NO2NO3 / W-S-A-TP /<br>W-TKN / W-TOC                                     | <input checked="" type="checkbox"/> W-NH3 /<br>W-NO2NO3 / W-S-A-TP /<br>W-TKN / W-TOC                                     |                                                                | <input checked="" type="checkbox"/> 2ML H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> pH < 2 <input checked="" type="checkbox"/> Ice | 1                            | <b>B</b>            |
| <b>Metals</b><br>(P-500ML)                                                                                                                                                                                                             | <input type="checkbox"/> W-HARD / W-ICP /<br>W-ICPMS                                                           | <input checked="" type="checkbox"/> W-HARD / W-ICP /<br>W-ICPMS                                                           |                                                                | <input checked="" type="checkbox"/> 2ML HNO <sub>3</sub> <input checked="" type="checkbox"/> pH < 2 <input checked="" type="checkbox"/> Ice               | 1                            |                     |
| <b>Anion / Phys. Aggregate</b><br>(P-1L)                                                                                                                                                                                               | <input type="checkbox"/> ALKALINITY /<br>TURBIDITY / W-CL-IC /<br>W-COLOR / W-COND /<br>W-F / W-SO4-IC / W-TSS | <input checked="" type="checkbox"/> ALKALINITY /<br>TURBIDITY / W-CL-IC /<br>W-COLOR / W-COND /<br>W-F / W-SO4-IC / W-TSS |                                                                | <input checked="" type="checkbox"/> Ice                                                                                                                   | 1                            |                     |
| <b>Microbiology</b><br>(P-250ML or<br>P-120ML)                                                                                                                                                                                         | <input type="checkbox"/> ECOLI-18-QT                                                                           | <input checked="" type="checkbox"/> ECOLI-18-QT                                                                           |                                                                | <input checked="" type="checkbox"/> Ice                                                                                                                   | 1                            |                     |
| <b>Toxins</b><br>(P-125ML/BG-250ML)                                                                                                                                                                                                    |                                                                                                                | <input checked="" type="checkbox"/> W-MCYST-AA /<br>W-SAXTN-MS                                                            | <input type="checkbox"/> W-MCYST-AA /<br>W-SAXTN-MS            | <input checked="" type="checkbox"/> Ice                                                                                                                   | 1                            |                     |
| <b>Tracers</b><br>(BG-500ML)                                                                                                                                                                                                           |                                                                                                                |                                                                                                                           | <input checked="" type="checkbox"/> W-E8321-DI /<br>W-E8321-MS | <input checked="" type="checkbox"/> Ice                                                                                                                   | 1                            |                     |
| <b>Pesticides</b><br>(BG-1L)                                                                                                                                                                                                           |                                                                                                                |                                                                                                                           | <input type="checkbox"/> W-PSNP-TQ                             | <input type="checkbox"/> Ice                                                                                                                              |                              |                     |
| <b>Filtered Nutrient</b><br>(P-125ML)                                                                                                                                                                                                  |                                                                                                                |                                                                                                                           | <input type="checkbox"/> W-PO4-F                               | <input type="checkbox"/> Field Filtered w/ syringe<br>& 0.45 um PES filter <input type="checkbox"/> Ice                                                   |                              |                     |

Site Name Z1-SL-17009. Camp Everett Lake

Date: 09/20/2023

WIN-ID 63277

Field ID Z1SL17009

Project: Ambient Status Monitoring / Small Lakes

Visit ID 88798

RQ: 2023-05-15-38

Macro ID 12764

LIMS ID: 24389789

HA ID 18985

WBID: 686A

☒ LVI

☒ Sample Site Created in SBIO

☒ Phys/Chem in SBIO Initial FB

☐ Date and Initial QA: 5/29/24 SS

☒ HA entered in SBIO Initial FB

☐ Date and Initial QA: 5/29/24 SS HA Score 115

☒ LVI entered in SBIO Initial FB

☐ Date and Initial QA: 5/29/24 SS

☒ Plants getting verified

☒ Date submitted: In House

☒ Plants verified

☒ Date returned: In House

☒ Macro ID authorized in SBIO

☒ Date and Initial: 6/03/2024 FB

☒ Macro ID score: 94

☐ If SMP, scanned into database

Notes:

Very difficult to access. Lake is located behind a gated hiking trail managed by the FWC to the south.

No access from the north side of the lake.

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 88798 MACROPHYTE ID: 12764 LATITUDE: N 30.51636  
 COUNTY: Washington (Vernon) STORET #: 63277 LONGITUDE: W 85.57159  
 DATE: 9/20/2023 TIME: 11:00 AM - 1:00 PM SAMPLING AGENCY: FL DEP - NWROC  
 SITE NAME: Z1-SL-17009 Camp Everett Lake WBID: 686A  
 FIELD ID/NAME: Z1SL17009 LAKE SIZE: 4 HA RQ: 2023-09-04-17

WATERSHED / LAKESIDE FEATURES

|                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                               |  |                                                                                                                      |  |                                                                                                                          |  |                                                                                                                                |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|--|
| PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category - from GIS):<br>Forest/Natural <input checked="" type="checkbox"/> Silviculture <input checked="" type="checkbox"/> Field/Pasture <input type="checkbox"/> Agricultural <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> |  |                                                                                                                               |  |                                                                                                                      |  | LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer)<br>LDI: <u>N/A</u>                                                        |  |                                                                                                                                |  |
| Local Watershed Erosion (select one): <input checked="" type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy<br>Artificially Impounded: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                 |  |                                                                                                                               |  |                                                                                                                      |  | Land Use Source & Year:                                                                                                  |  |                                                                                                                                |  |
| Local Watershed NPS Pollution: <input checked="" type="checkbox"/> No evidence <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy                                                                                                                                                                                                                                                                |  |                                                                                                                               |  |                                                                                                                      |  |                                                                                                                          |  |                                                                                                                                |  |
| STORMWATER INPUTS<br><u>20</u>                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation<br>(20) 19 18 17 16                     |  | Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place<br>15 14 13 12 11 |  | Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place<br>10 9 8 7 6 |  | Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place<br>5 4 3 2 1 |  |
| LAKESIDE ALTERATIONS<br><u>20</u>                                                                                                                                                                                                                                                                                                                                                                                                              |  | Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected)<br>(20) 19 18 17 16       |  | Moderate disturbance visible - structures, roads or other (10%-49% lakeside affected)<br>15 14 13 12 11              |  | Many structures, roads or other human disturbance visible (50%-70% lakeside affected)<br>10 9 8 7 6                      |  | Highly developed or disturbed (>70% of lakeside affected)<br>5 4 3 2 1                                                         |  |
| BUFFER ZONE<br><u>20</u>                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer<br>(20) 19 18 17 16 |  | 89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer<br>15 14 13 12 11                               |  | 50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer<br>10 9 8 7 6                                    |  | < 29% of shoreline with >18m buffer<br>5 4 3 2 1                                                                               |  |

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                        |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------|--|--|
| Water:<br>Nutrient Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Preserved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No pH < 2 <input type="checkbox"/> No<br>Color Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Lot # _____ Exp. Date: _____<br>Alkalinity Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Water Level <input type="checkbox"/> Low <input checked="" type="checkbox"/> Normal <input type="checkbox"/> High         |  |  |  |  |  | Water Odors: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Sewage <input type="checkbox"/> Petroleum <input type="checkbox"/> Other _____<br>Water Surface Oils: <input checked="" type="checkbox"/> None <input type="checkbox"/> Sheen/Slick <input type="checkbox"/> Glob <input type="checkbox"/> Other _____                                                                                                                                                                                                                                           |  |  |                        |  |  |
| Meter Readings:<br>Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT)<br>Top: <u>0.3</u> <u>28.4</u> <u>7.3</u> <u>6.07</u> <u>78.1</u> <u>15.8</u> <u>0.01</u><br>Mid-Depth: _____ _____ _____ _____ _____ _____ _____<br>Bottom: <u>2.7</u> <u>28.3</u> <u>4.25</u> <u>5.71</u> <u>73.5</u> <u>16</u> <u>0.01</u>                                                                                                                                                                                                                      |  |  |  |  |  | Clarity: <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Opaque <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid<br>Color: <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Tannic <input type="checkbox"/> Green<br>SECCHI (M) <u>3.2</u> Total Station Depth (M) <u>3.2</u><br>VOB <input checked="" type="checkbox"/>                                                                                                                                                                                             |  |  |                        |  |  |
| Meter ID: <u>15077</u> / <u>12:36</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                        |  |  |
| Sediment Type: (may check more than one)<br><input checked="" type="checkbox"/> Sandy <input type="checkbox"/> Organic fibrous (peaty, CPOM) <input checked="" type="checkbox"/> Vegetated<br><input type="checkbox"/> Sand/Silt <input type="checkbox"/> Organic smooth (muck) <input type="checkbox"/> Other (Specify): _____                                                                                                                                                                                                                                             |  |  |  |  |  | Sample Taken? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Sediment Odors: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Other (Specify): _____<br><input type="checkbox"/> Anaerobic                                                                                                                                                                                                                                                                                                                                  |  |  |                        |  |  |
| Biological Communities:<br>LVI Conducted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Phytoplankton Sample Taken? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Sample Preserved? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Lot #: _____ Exp Date: _____<br>Algal Bloom/Algal ID Sample Taken? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/><br>Active Vegetation Mgmt? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know |  |  |  |  |  | Abundance:<br>Absent Rare Common Abundant<br>Periphyton <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/><br>Nuisance Plants <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/><br>Submersed Plants <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/><br>Exotic Apple Snails <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |  |                        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  | Additional Notes:<br>No sediment sample due to thick SAV & CPOM on bottom<br>Only P. 1/2 lake available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |                        |  |  |
| Weather Conditions: <u>Overcast, 80's. Very difficult Access. Low-Water</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                        |  |  |
| SAMPLING TEAM: Frank Butera, <u>Nathan Muller</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  | SIGNATURE: <u>[Signature]</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  | DATE: <u>9/20/2023</u> |  |  |

DEP Form FD 9000-6: Lake Habitat Assessment Field Sheet

|                                                         |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                              |                                                                                                                                                 |                                                                                                                                                                  |  |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| STORET STATION NUMBER:<br><b>63277</b>                  | DATE (M/D/Y)<br><b>9/20/2023</b>                                                                                                                                                                                                                                                                            | LAKE NAME<br><b>Z1-SL-17009 Everett Camp Lake</b>                                                                                                            |                                                                                                                                                 | FIELD ID / NAME<br><b>Z1SL17009</b>                                                                                                                              |  |
| WBID:<br><b>686A</b>                                    | COUNTY:<br><b>Washington</b>                                                                                                                                                                                                                                                                                | SAMPLING LOCATION/DESCRIPTION:<br><b>Near Vernon, FL</b>                                                                                                     |                                                                                                                                                 | LAKE SIZE:<br><b>4.2 Hectare</b>                                                                                                                                 |  |
| PARAMETER<br><b>HYDROLOGY</b>                           | No surface inflow or outflow present, very long water residence time, groundwater seepage dominates<br><input checked="" type="checkbox"/>                                                                                                                                                                  | Surface water inflow present, but flow is rare, moderate to long water residence time<br><input type="checkbox"/>                                            | Surface water inflow and outflow present (or outflow only), sometimes with visible flow, short water residence time<br><input type="checkbox"/> | Impounded, hydrology of system artificially controlled<br><input type="checkbox"/>                                                                               |  |
| Color                                                   | Very clear, uncolored water (benthic sampling appropriate) <input type="checkbox"/>                                                                                                                                                                                                                         | Water somewhat tannin stained (benthic sampling appropriate) <input checked="" type="checkbox"/>                                                             | Dark, discolored water (water color 20 PCU or higher) <input type="checkbox"/>                                                                  | Visibility extremely reduced due to high color <input type="checkbox"/>                                                                                          |  |
|                                                         | <b>Optimal</b>                                                                                                                                                                                                                                                                                              | <b>Suboptimal</b>                                                                                                                                            |                                                                                                                                                 | <b>Marginal</b>                                                                                                                                                  |  |
| Secchi<br><b>24</b> <input checked="" type="checkbox"/> | Secchi > 3 m<br>20 19 18 17 16                                                                                                                                                                                                                                                                              | 3 2.6 2.2 1.8 1.4<br>15 14 13 12 11                                                                                                                          | 1.0 0.9 0.8 0.7 0.6<br>10 9 8 7 6                                                                                                               | 0.5 0.4 0.3 0.2 0.1<br>5 4 3 2 1                                                                                                                                 |  |
| Vegetation Quality<br><b>(5) 4</b>                      | Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa<br>20 19 18 17 16                                                                                                                                                                                                   | Mostly expected native plants, but moderate growths (6%-20% of lake) of nuisance macrophytes, or more than 50% of lake covered with plants<br>15 14 13 12 11 | Large masses (21%-40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats<br>10 9 8 7 6                            | Lake choked (>40%) with nuisance macrophytes (duckweed, hyacinth, etc.) or algal mats, or few plants present at all (e.g., plants removed)<br><b>(5) 4</b> 3 2 1 |  |
| Stormwater Inputs<br><b>20</b>                          | Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation<br>20 19 18 17 16                                                                                                                                                                                                     | Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place<br>15 14 13 12 11                                         | Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place<br>10 9 8 7 6                        | Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place<br><b>(5) 4</b> 3 2 1                          |  |
| Bottom Substrate Quality<br><b>10</b>                   | Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present<br>20 19 18 17 16                                                                                                                                                                                                | Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present<br>15 14 13 12 11                                               | Moderate layer of CPOM/mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom<br><b>(10) 9</b> 8 7 6             | Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom<br>5 4 3 2 1                    |  |
| Lakeside Adverse Human Alterations<br><b>20</b>         | Very few man-made structures, roads, or other disturbance adjacent to lake (<10%)<br>20 19 18 17 16                                                                                                                                                                                                         | Moderate disturbance visible (structures, roads or other), 10%-49% lakeside affected<br>15 14 13 12 11                                                       | Many structures, roads or other human disturbance visible (50%-70%) lakeside affected<br><b>(10) 9</b> 8 7 6                                    | Highly developed or disturbed (>70% of lakeside affected)<br>5 4 3 2 1                                                                                           |  |
| Upland Buffer Zone<br><b>20</b>                         | Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer<br>20 19 18 17 16                                                                                                                                                                                 | 89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer<br>15 14 13 12 11                                                                       | 50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer<br>10 9 8 7 6                                                           | < 29% of shoreline with >18m buffer<br>5 4 3 2 1                                                                                                                 |  |
| Adverse Watershed Land Use<br><b>20</b>                 | Score the potential effects from adverse human land uses, based on a continuum of amount and type, with least to most adverse as follows: Native vegetation, Silviculture, Pasture or Citrus, Low Density Residential, Row Crops, Commercial, High Density Residential, Urban, Industrial<br>20 19 18 17 16 |                                                                                                                                                              |                                                                                                                                                 |                                                                                                                                                                  |  |

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| TOTAL SCORE<br><b>115</b> | COMMENTS:<br><b>Low-Water Marsh. Nwk Lake Only</b> |
|---------------------------|----------------------------------------------------|

|                                    |                              |                                                                                                     |
|------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------|
| ANALYSIS DATE:<br><b>9/20/2023</b> | ANALYST:<br><b>F. Butera</b> | SIGNATURE:<br> |
|------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------|

SBIO Sample ID: **88798** HA ID: **18935** QC✓: \_\_\_\_\_

## DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

|                                                                                                                                                            |   |   |   |    |                             |                                             |   |   |   |                                                                                     |                 |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|----|-----------------------------|---------------------------------------------|---|---|---|-------------------------------------------------------------------------------------|-----------------|--|--|--|
| Waterbody: Z1-SI-17009 (Everett Camp Lake)                                                                                                                 |   |   |   |    | County: Washington (Vernon) |                                             |   |   |   | Date: 9/20/93                                                                       |                 |  |  |  |
| Analyst: F. Butera                                                                                                                                         |   |   |   |    | Signature: <i>F Butera</i>  |                                             |   |   |   | WIN-ID: 163217                                                                      |                 |  |  |  |
| Except where noted as "sp." species level identification required. *Genera that may require lab verification*<br>Plants in bold = FLEPPC invasive exotic.  |   |   |   |    |                             |                                             |   |   |   | Lake units sampled (circle one group):<br>1, 4, 7, 10    2, 5, 8, 11<br>3, 6, 9, 12 |                 |  |  |  |
| It is important to note dominant or co-dominant taxa (by areal extent) for each unit. Use "D" to denote dominant taxon, or "C" for the 2 co-dominant taxa. |   |   |   |    |                             |                                             |   |   |   |                                                                                     |                 |  |  |  |
| SBIO ID <b>88798</b>                                                                                                                                       | 1 | 4 | 7 | 10 | Collect ed? (✓)             | Macro ID <b>12764</b>                       | 1 | 4 | 7 | 10                                                                                  | Collect ed? (✓) |  |  |  |
| SPECIES                                                                                                                                                    |   |   |   |    |                             | SPECIES                                     |   |   |   |                                                                                     |                 |  |  |  |
| Acer rubrum                                                                                                                                                |   |   |   |    |                             | Habenaria repens                            |   |   |   |                                                                                     |                 |  |  |  |
| Alternanthera philoxeroides                                                                                                                                |   |   |   |    |                             | Hydrilla verticillata                       |   |   |   |                                                                                     |                 |  |  |  |
| Andropogon sp.                                                                                                                                             |   |   |   |    |                             | Hydrocotyle sp.                             |   |   |   |                                                                                     |                 |  |  |  |
| Azolla filiculoides (A. caroliniana)                                                                                                                       |   |   |   |    |                             | Hygrophila polysperma                       |   |   |   |                                                                                     |                 |  |  |  |
| Baccharis sp.                                                                                                                                              |   |   |   |    |                             | *Hypericum fasciculatum                     |   |   |   |                                                                                     |                 |  |  |  |
| Bacopa caroliniana                                                                                                                                         |   |   |   |    |                             | *Hypericum hypericoides                     |   |   |   |                                                                                     |                 |  |  |  |
| Bacopa monnieri                                                                                                                                            |   |   |   |    |                             | *Hypericum myrtifolium                      |   |   |   |                                                                                     |                 |  |  |  |
| Bidens laevis                                                                                                                                              |   |   |   |    |                             | Ilex cassine                                |   |   |   |                                                                                     |                 |  |  |  |
| Bidens mitis                                                                                                                                               |   |   |   |    |                             | Ipomoea aquatica                            |   |   |   |                                                                                     |                 |  |  |  |
| Blechnum serrulatum                                                                                                                                        |   |   |   |    |                             | Ipomoea sagittata                           |   |   |   |                                                                                     |                 |  |  |  |
| Boehmeria cylindrica                                                                                                                                       |   |   |   |    |                             | Itea virginica                              |   |   |   |                                                                                     |                 |  |  |  |
| Brasenia schreberi                                                                                                                                         |   |   |   |    |                             | Juncus effusus                              |   |   |   |                                                                                     |                 |  |  |  |
| Cabomba caroliniana                                                                                                                                        |   |   |   |    |                             | *Juncus marginatus                          |   |   |   |                                                                                     |                 |  |  |  |
| Casuarina equisetifolia                                                                                                                                    |   |   |   |    |                             | *Juncus megacephalus                        |   |   |   |                                                                                     |                 |  |  |  |
| Centella asiatica                                                                                                                                          |   |   |   |    |                             | Juncus repens                               |   |   |   |                                                                                     |                 |  |  |  |
| Cephalanthus occidentalis                                                                                                                                  |   |   |   |    |                             | *Juncus scirpoides                          |   |   |   |                                                                                     |                 |  |  |  |
| Ceratophyllum demersum                                                                                                                                     |   |   |   |    |                             | Lachnanthes caroliniana                     |   |   |   |                                                                                     |                 |  |  |  |
| Chara sp.                                                                                                                                                  |   |   |   |    |                             | Leersia hexandra                            |   |   |   |                                                                                     |                 |  |  |  |
| Cladium jamaicense                                                                                                                                         |   |   |   |    |                             | <b>Landoltia punctata (Spiro. punctata)</b> |   |   |   |                                                                                     |                 |  |  |  |
| Cliftonia monophylla                                                                                                                                       |   |   |   |    |                             | Lemna sp.                                   |   |   |   |                                                                                     |                 |  |  |  |
| Colocasia esculenta                                                                                                                                        |   |   |   |    |                             | Leucothoe racemosa (E. racemosa)            |   |   |   |                                                                                     |                 |  |  |  |
| *Commelina                                                                                                                                                 |   |   |   |    |                             | Limnium spongia                             |   |   |   |                                                                                     |                 |  |  |  |
| Crinum americanum                                                                                                                                          |   |   |   |    |                             | <b>Limnophila sessiliflora</b>              |   |   |   |                                                                                     |                 |  |  |  |
| *Cyperus alternifolius (C. involucratus)                                                                                                                   |   |   |   |    |                             | Liquidambar styraciflua                     |   |   |   |                                                                                     |                 |  |  |  |
| Cyperus articulatus                                                                                                                                        |   |   |   |    |                             | *Ludwigia arcuata                           |   |   |   |                                                                                     |                 |  |  |  |
| Cyperus haspan                                                                                                                                             |   |   |   |    |                             | *Ludwigia leptocarpa                        |   |   |   |                                                                                     |                 |  |  |  |
| *Cyperus lecontei                                                                                                                                          |   |   |   |    |                             | *Ludwigia linearis                          |   |   |   |                                                                                     |                 |  |  |  |
| *Cyperus polystachyos                                                                                                                                      |   |   |   |    |                             | *Ludwigia octovalvis                        |   |   |   |                                                                                     |                 |  |  |  |
| *Cyperus odoratus                                                                                                                                          |   |   |   |    |                             | *Ludwigia peruviana                         |   |   |   |                                                                                     |                 |  |  |  |
| *Cyperus surinamensis                                                                                                                                      |   |   |   |    |                             | *Ludwigia repens                            |   |   |   |                                                                                     |                 |  |  |  |
| Cyrilla racemiflora                                                                                                                                        |   |   |   |    |                             | *Ludwigia                                   |   |   |   |                                                                                     |                 |  |  |  |
| Decodon verticillatus                                                                                                                                      |   |   |   |    |                             | Luziola fluitans (H. carolinensis)          |   |   |   |                                                                                     |                 |  |  |  |
| Diodia virginiana                                                                                                                                          |   |   |   |    |                             | Lyonia lucida                               |   |   |   |                                                                                     |                 |  |  |  |
| *Echinochloa crus-galli                                                                                                                                    |   |   |   |    |                             | Magnolia virginiana                         |   |   |   |                                                                                     |                 |  |  |  |
| *Echinochloa muricatum                                                                                                                                     |   |   |   |    |                             | Mayaca fluviatilis                          |   |   |   |                                                                                     |                 |  |  |  |
| Echinochloa walteri                                                                                                                                        |   |   |   |    |                             | <b>Melaleuca quinquenervia</b>              |   |   |   |                                                                                     |                 |  |  |  |
| Eclipta prostrata (E. alba)                                                                                                                                |   |   |   |    |                             | Micranthemum glomeratum                     |   |   |   |                                                                                     |                 |  |  |  |
| <b>Egeria densa</b>                                                                                                                                        |   |   |   |    |                             | Micranthemum umbrosum                       |   |   |   |                                                                                     |                 |  |  |  |
| <b>Eichhornia crassipes</b>                                                                                                                                |   |   |   |    |                             | Mikania scandens                            |   |   |   |                                                                                     |                 |  |  |  |
| *Eleocharis baldwii <b>wispy</b>                                                                                                                           |   |   |   |    |                             | <b>Mimosa pigra</b>                         |   |   |   |                                                                                     |                 |  |  |  |
| *Eleocharis                                                                                                                                                |   |   |   |    |                             | Myrica cerifera                             |   |   |   |                                                                                     |                 |  |  |  |
| Eleocharis cellulosa                                                                                                                                       |   |   |   |    |                             | <b>Hypericum 1.50</b>                       |   |   |   |                                                                                     |                 |  |  |  |
| Eleocharis equisetoides                                                                                                                                    |   |   |   |    |                             | <b>Bracconia tex</b>                        |   |   |   |                                                                                     |                 |  |  |  |
| Eleocharis interstincta                                                                                                                                    |   |   |   |    |                             |                                             |   |   |   |                                                                                     |                 |  |  |  |
| *Eriocaulon compressum                                                                                                                                     |   |   |   |    |                             |                                             |   |   |   |                                                                                     |                 |  |  |  |
| *Eriocaulon decangulare                                                                                                                                    |   |   |   |    |                             | <b>Green Algae</b>                          |   |   |   |                                                                                     |                 |  |  |  |
| Eupatorium capillifolium                                                                                                                                   |   |   |   |    |                             |                                             |   |   |   |                                                                                     |                 |  |  |  |
| *Fuirena                                                                                                                                                   |   |   |   |    |                             |                                             |   |   |   |                                                                                     |                 |  |  |  |
| Fuirena scirpoidea                                                                                                                                         |   |   |   |    |                             |                                             |   |   |   |                                                                                     |                 |  |  |  |
| Jordonia lasianthus                                                                                                                                        |   |   |   |    |                             |                                             |   |   |   |                                                                                     |                 |  |  |  |
| LIMS ID: 24389789                                                                                                                                          |   |   |   |    |                             |                                             |   |   |   |                                                                                     |                 |  |  |  |

## FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

[illegible]

DEP-SOP-001/01  
FS 7000 General Biological Community Sampling

Form FD 9000-2: COMPOSITE LAKE SAMPLING SHEET (< 1000 ACRES)

| Date: 9/20/23 | Name of Lake: Z1-SL-17009 | Gear used: PONAR <u>EKMAN</u> OTHER   |           |           |                                       |
|---------------|---------------------------|---------------------------------------|-----------|-----------|---------------------------------------|
| Comments:     |                           |                                       |           |           |                                       |
| Drop #        | Depth (m)                 | Sediment Type (circle all that apply) | Drop #    | Depth (m) | Sediment Type (circle all that apply) |
| 1             | 1.5                       | sand, silt/clay, CPOM, muck, SAV      | 7         | 1.5       | sand, silt/clay, CPOM, muck, SAV      |
| 2             |                           | sand, silt/clay, CPOM, muck, SAV      | 8         |           | sand, silt/clay, CPOM, muck, SAV      |
| 3             |                           | sand, silt/clay, CPOM, muck, SAV      | 9 station | 3.2       | sand, silt/clay, CPOM, muck, SAV      |
| 4             | 1.5                       | sand, silt/clay, CPOM, muck, SAV      | 10        | 1.0       | sand, silt/clay, CPOM, muck, SAV      |
| 5             |                           | sand, silt/clay, CPOM, muck, SAV      | 11        |           | sand, silt/clay, CPOM, muck, SAV      |
| 6             |                           | sand, silt/clay, CPOM, muck, SAV      | 12        |           | sand, silt/clay, CPOM, muck, SAV      |

CPOM = coarse particulate organic matter; SAV = submerged aquatic vegetation

Storet 63277 Field ID Z1SL17009  
WBID 686A

Project Status Small Lakes

SBIO ID: 88798

EKman Could NOT Penetrate substrate  
Too much Thick SAV + CPOM

Paste map here and show location of each dredge drop and where water chemistry parameters were collected.

Station: Z1-SL-17009. Everett Camp Lake  
 GPS Dec. 30.51636 x -86.57159  
 Storet: 63277 WBID 686A  
 Sample ID: 88798 Macro ID: 12764  
 RQ-2023-09-04-17

Sampled : 09/20/2023  
 Sampled By: F. Butera, N. Mulkey  
 Location: Vernon, Washington County  
 Receiving Waters: St. Andrew's Bay  
 LIMS ID: 2438789

|    | Taxa                                   | 1  | 4                        | 7  | 10 | Coll.       | Verified |
|----|----------------------------------------|----|--------------------------|----|----|-------------|----------|
| 1  | <i>Cyrilla racemiflora</i>             | 1  | 1                        | 1  | 1  |             |          |
| 2  | <i>Eleocharis vivipara</i> (submersed) | 1  |                          |    | 1  |             |          |
| 3  | <i>Eriocaulon texense</i> Körn.        |    |                          | 1  | 1  | Y           | FB       |
| 4  | <i>Fuirena scirpoidea</i>              | 1  | 1                        | 1  | 1  |             |          |
| 5  | <i>Hypericum lissophloeus</i>          | 1  | 1                        | 1  | 1  |             |          |
| 6  | <i>Myriophyllum heterophyllum</i>      | 1  | 1                        | 1  | 1  | Y           | FB       |
| 7  | <i>Nitella</i> sp.                     | C  | D                        | D  | C  | Y           | FB       |
| 8  | <i>Panicum hemitomon</i>               | 1  | 1                        | 1  | 1  |             |          |
| 9  | <i>Sagittaria isoetiformis</i>         | 1  | 1                        | 1  | 1  |             |          |
| 10 | <i>Utricularia cornuta</i>             | 1  | 1                        | 1  | 1  |             |          |
| 11 | <i>Utricularia floridana</i>           | 1  | 1                        | 1  | 1  |             |          |
| 12 | <i>Utricularia purpurea</i>            | C  | 1                        | 1  | C  |             |          |
| 13 | <i>Websteria confervoides</i>          | 1  | 1                        | 1  | 1  |             |          |
|    | Taxa per section                       | 11 | 10                       | 11 | 12 | Herb. Taxa  | 11       |
|    | Exotic Present                         | 0  | 0                        | 0  | 0  | Woody Taxa  | 1        |
|    | Avg. taxa per section                  | 11 |                          |    |    | Ferns       | 0        |
|    | sections with exotics                  | 0  |                          |    |    | Macro Algae | 1        |
|    | Exotic Taxa                            | 0  | Exotics per Section: 0.0 |    |    | Total Taxa  | 13       |

Seen but not counted (Not approp. For LVI or Not in surveyed segment)

| Taxon                      | Section | Section | Section | Section | Exclusion               |
|----------------------------|---------|---------|---------|---------|-------------------------|
| <i>Nymphaea odorata</i>    |         |         | 9       |         | Not in surveyed section |
| <i>Osmunda cinnamomoea</i> |         |         | 9       |         | Not in surveyed section |
| Algae                      | 1       | 1       | 1       | 1       | Algae. Not vascular     |

| Metric              | Rep. 1                       | Rep. 2      | Rep. 3      | Rep. 4                       | LVI Average               |
|---------------------|------------------------------|-------------|-------------|------------------------------|---------------------------|
| LVI 2012            | 92                           | 94          | 94          | 95                           | 94                        |
| Native Percentage   | 100                          | 100         | 100         | 100                          | 100.00                    |
| FLEPPC Pct (Exotic) | 0                            | 0           | 0           | 0                            | 0.00                      |
| Total Taxa          | 12                           | 11          | 12          | 13                           | 12.00                     |
| C of C over 7.0     | 25                           | 27.27       | 33.33       | 30.77                        | 29.09                     |
| Dominant Taxa       | Nitella sp. /<br>U. purpurea | Nitella sp. | Nitella sp. | Nitella sp. /<br>U. purpurea | Nitella sp. / U. purpurea |
| C of C Dominant     | 6.25                         | 6           | 6           | 6.25                         | 6.13                      |

# CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: 155077 RQ- 2023-09-04-17 Project: Statue

- Notes: (1) Always wait for meter to stabilize before recording any readings. Small Lakes  
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).  
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 6/29/23

| DO DEP SOP FT 1500 | Name | Date    | Time CT-ET | Temp °C | Baro-meter mmHg | D.O. Chart mg/L | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|------|---------|------------|---------|-----------------|-----------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | NM   | 9/20/23 | 0645       | 22.1    | 761             | 8.7             | 8.73            | 100.1 |              |            | P / F       | L / F       |
| ICV                | NM   | ↓       | 0647       | 22.2    | ↓               | ↓               | ↓               | ↓     |              |            | P / F       | L / F       |
| CCV                | FB   | 9/20/23 | 1630       | 21.2    | 760.5           | 8.9             | 8.92            | 100.4 |              |            | P / F       | L / F       |
| CCV                |      |         |            |         |                 |                 |                 |       |              |            | P / F       | L / F       |

DO Acceptance criteria from Table  $\pm 0.3$  mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec. Cond. FT 1200 | Name | Date    | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ mhos/cm | Meter Reading $\mu$ mhos/cm | Pass / Fail | Lab / Field |
|---------------------|------|---------|------------|---------|-------------|------------------------|-----------------------------|-------------|-------------|
| Calibr.             | NM   | 9/20/23 | 0648       | 220218  | 1/24        | 1000                   | 1000                        | P / F       | L / F       |
| ICV                 | NM   | ↓       | 0650       | 220218  | 7/24        | 100                    | 104                         | P / F       | L / F       |
| CCV                 | FB   | 9/20/23 | 1632       | 230627A | 7/24        | 1000                   | 98.5                        | P / F       | L / F       |
| CCV                 | FB   | 9/20/23 | 1634       | 242218  | 1/24        | 1000                   | 99.1                        | P / F       | L / F       |

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name     | Date    | Time CT-ET | Lot #   | Expir. Date | pH Buffer SU | Temp °C | Meter reading SU | mV    | Pass / Fail | Lab / Field |
|--------------------|----------|---------|------------|---------|-------------|--------------|---------|------------------|-------|-------------|-------------|
| Calibr.            | NM       | 9/20/23 | 0652       | 1110190 | 8/24        | 7.           | 21.8    | 7.0              |       | P / F       | L / F       |
| Calibr.            | ↓        | ↓       | 0654       | 1110190 | 6/24        | 4.           | ↓       | 4.0              |       | P / F       | L / F       |
| Calibr.            | ↓        | ↓       | 0656       | 1110190 | 12/23       | 10.          | ↓       | 10.0             |       | P / F       | L / F       |
| ICV                | NM       | ↓       | 0658       | 1110190 | 8/24        | 4.0          | ↓       | 4.19             |       | P / F       | L / F       |
| CCV                | F Buffer | 9/20/23 | 1636       | 1110190 | 8/24        | 7.0          | 21.5    | 7.04             | -32.5 | P / F       | L / F       |
| CCV                |          |         |            |         |             |              |         |                  |       | P / F       | L / F       |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ;

mV pH 4 Range  $+180 \pm 50$ ;

mV pH 10 Range  $-180 \pm 50$ ;

If mV are recorded: slope from 7 to 10 16.5, slope from 4 to 7 174.1 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 6/29/23

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: \_\_\_\_\_; Date of last verification: \_\_\_\_\_

| Depth Sensor (Daily Calibration & ICV) | Name | Date    | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value, meters | Pass / Fail | Lab / Field |
|----------------------------------------|------|---------|------------|-------------------------------------------|-------------------|-------------|-------------|
| Pressure mode in air                   | NM   | 9/20/23 | 0700       | 0.00                                      | 0.00              | P / F       | L / F       |

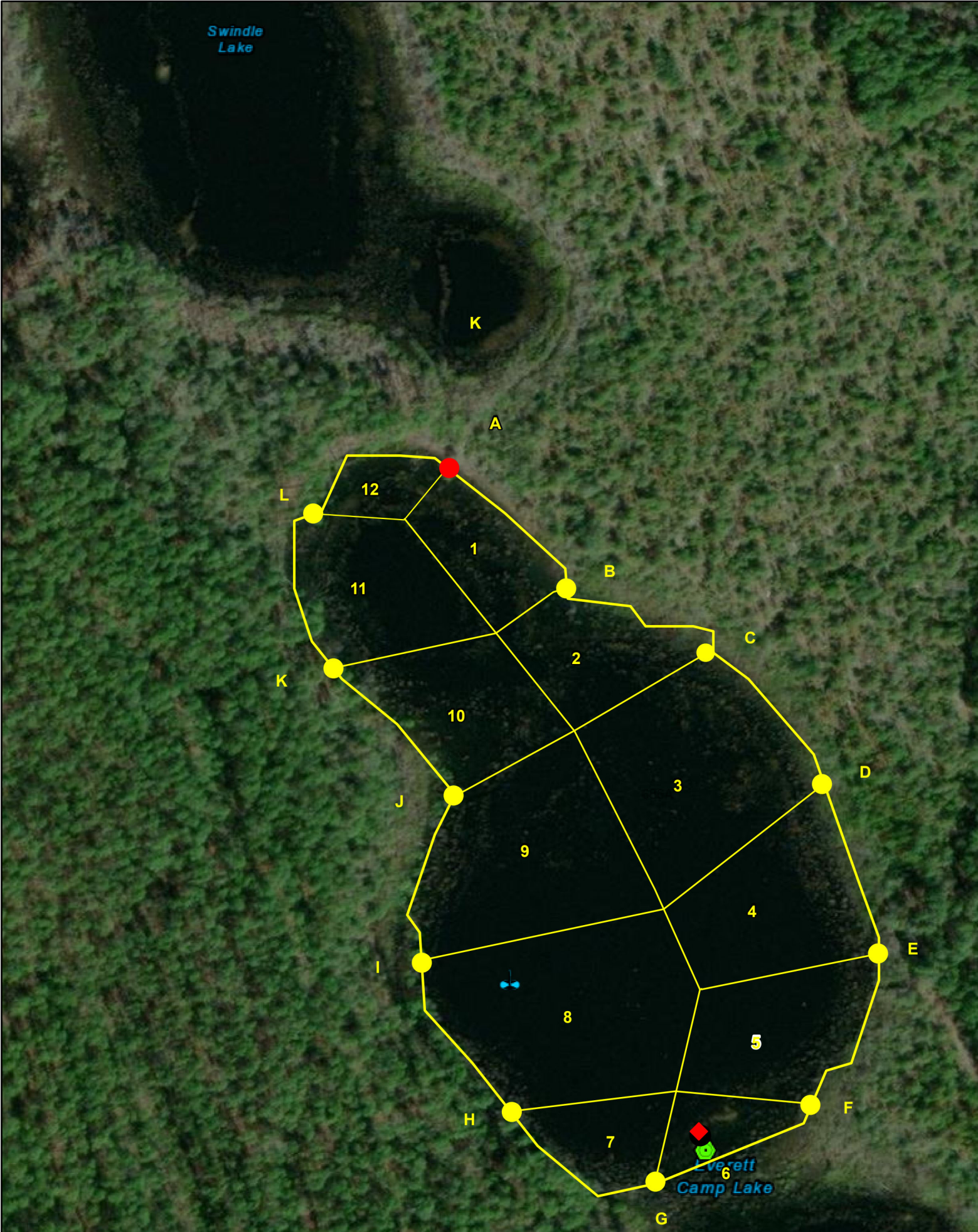
Report two decimal places. Round numbers  $\leq 4$  down,  $\geq 5$  up. ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater.

COMMENTS:

21-SL-17009 & Blank

pH 4 pm  $\rightarrow 141.6$  mV  
 pH 10 pm  $\rightarrow 19.93$  mV

Z1-SL-17009 Low Water LVI



# Z1-SL-17009. Everett Camp Lake

|                   |                           |
|-------------------|---------------------------|
| WIN-ID            |                           |
| Receiving Water   | Groundwater               |
| Basin / WBID      | St. Andrew's Bay / 686A   |
| City, County      | Venon, Washington Co.     |
| Lake Acreage      | 4.2 Hectares / 10.4 acres |
| Circumference (M) | 879                       |
| Seg. Length (M)   | 73.25                     |

| Section   | Location   | Dec Deg.             |
|-----------|------------|----------------------|
| <b>6</b>  | Storet TBD | 30.51636 x -85.57159 |
| <b>1</b>  | A          | 30.51887 x -85.57269 |
|           | B          | 30.51843 x -85.57219 |
|           | C          | 30.51823 x -85.57163 |
| <b>4</b>  | D          | 30.51771 x -85.57109 |
|           | E          | 30.51708 x -85.57085 |
|           | F          | 30.51652 x -85.57114 |
| <b>7</b>  | G          | 30.51624 x -85.57181 |
|           | H          | 30.51650 x -85.57242 |
|           | I          | 30.51705 x -85.57280 |
| <b>10</b> | J          | 30.51766 x -85.57267 |
|           | K          | 30.51813 x -85.57318 |
|           | L          | 30.51870 x -85.57327 |
|           | A          | 30.51887 x -85.57269 |

Launch off Normandy Rd. (?) at/near N 30.5146 x -85.57232

| Z1-SL-17009 Camp Everett<br>Lake LVI | WBID | Kit                                       | Qty | Bottle Group | Number of Bottles |
|--------------------------------------|------|-------------------------------------------|-----|--------------|-------------------|
| Z1-SL-17009<br>(Camp Everett Lake)   | 686A | Fresh nutrients                           | 1   | A            | 3                 |
|                                      |      | Metals                                    | 1   |              | 1                 |
|                                      |      | ECOLI-18QT                                | 1   |              | 1                 |
|                                      |      | Microcystins. W-MCYST-AA, W-SAXTN-MS      | 1   |              | 1                 |
|                                      |      | Sediments. S-HG-TDA, S-ICP-TO, S-ICPMS-TO | 1   | C            | 1                 |

RQ-2023-09-04-17. Need pictures

| Field ID  | WBID | WIN Description | County     | Lat Long               |  |
|-----------|------|-----------------|------------|------------------------|--|
| Z1SL17009 | 686A |                 | Washington | 30.51636,<br>-85.57159 |  |

RQ-2023-09-04-17

Notes (access, boat ramp, etc.)

| Z1-SL-17009 (Camp Everett Lake) | Project Z1SL2309. |                                |      |              |  |
|---------------------------------|-------------------|--------------------------------|------|--------------|--|
|                                 | Lot #             | Expiration date:               |      |              |  |
| Sulfuric Acid                   | SA3013020         | 1/25/2024                      |      |              |  |
| Nitric Acid                     | NA3123030         | 5/24/2024                      |      |              |  |
| Field ID                        | TIME              | Temperature / Dissolved Oxygen | pH   | Conductivity |  |
| Z1SL17009                       | 12:36             | 28.4                           | 4.15 | 0.01         |  |

12:45 5.71 71.5% 4.25 0.01



QA/QC BLANK SW 1

Z1SL2309 QA/QC BLANK SW 1



Z1-SL-17009

Z1SL2309 Z1-SL-17009 EVERETT CAMP LAKE