



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PLAN FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
☒ Yes / ☐ No

**WIN Station Name:** Twin Lake **Date:** 12/8/2021  
**WIN/Field ID:** G3NW0215 **WBID:** 906A **ENR:** **Latitude:** 30.39516199  
**County:** OKALOOSA **Org ID:** 21FLPNS **Longitude:** -86.47528  
**Receiving Body of Water:** - **RQ:** 2021-12-13-43

| Sampling Team Members               |                | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|----------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Nathan Mulkey  |                 | x                 |               | x            | x                  |
| <input checked="" type="checkbox"/> | Myranda Butler | x               |                   | x             |              |                    |
| <input type="checkbox"/>            |                |                 |                   |               |              |                    |
| <input type="checkbox"/>            |                |                 |                   |               |              |                    |

| Sampling Equipment                                   |                                                 |
|------------------------------------------------------|-------------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Carboy                 |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn               |
| <input checked="" type="checkbox"/> Syringe          | <input type="checkbox"/> Pole                   |
| Depth measured with: Meter                           |                                                 |
| Secchi Equipment ID:                                 |                                                 |
| Collection Method                                    |                                                 |
| <input type="checkbox"/> Wading                      | <input checked="" type="checkbox"/> Canoe/Kayak |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor         |
| <input type="checkbox"/> Other                       | <input type="checkbox"/> Gasoline Motor         |

|                                                                                                                                                                                                                                                                        |                 |  |  |              |  |                                     |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|--|--------------|--|-------------------------------------|--|--|--|--|--|
| <b>Water Level:</b> <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |                 |  |  |              |  | <b>Meter ID#</b><br>155077 (PRODSS) |  |  |  |  |  |
| <b>Photos:</b> NO                                                                                                                                                                                                                                                      | <b>Flow:</b> NA |  |  | <b>Tide:</b> |  | <b>Tide Times:</b><br>High: Low:    |  |  |  |  |  |
| <b>Biological Samples Collected:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |                 |  |  |              |  |                                     |  |  |  |  |  |
| <b>SBIO ID Numbers:</b>                                                                                                                                                                                                                                                |                 |  |  |              |  |                                     |  |  |  |  |  |
| <b>Notes:</b><br>RAINING.                                                                                                                                                                                                                                              |                 |  |  |              |  |                                     |  |  |  |  |  |

## Duplicate Sample

|                             |              |                                   |
|-----------------------------|--------------|-----------------------------------|
| <b>Time Zone:</b> CEN       | <b>Time:</b> | <b>Field ID:</b> N/A (WIN ID_DUP) |
| <b>WIN DMT Activity ID:</b> |              |                                   |

## Blank

|                                |                      |                                        |
|--------------------------------|----------------------|----------------------------------------|
| <b>Time Zone:</b>              | <b>Time:</b>         | <b>Field ID:</b> (Blank Type_DDDMMYYY) |
| <b>DI Source:</b>              | <b>Location:</b>     |                                        |
| <b>DI Type:</b>                | <b>Equipment ID:</b> |                                        |
| <b>DI Container (Name/ID):</b> |                      | <b>DI Container Type:</b>              |

LIMS EVENT ID: WIN Import ID:  
Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)  
Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)



RQ-2021-12-13-43

Customer: WQAP

Project ID: SMP

Collected By: Nathan Mulkey, Myranda Butler

Field Report Prepared By: Nathan Mulkey

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G3NW0215

Location: Twin Lake

Comments: Entero and E.coli microbiology sample(s) submitted to contract laboratory. Fecal sent to Tally.

Matrix: Fresh

(Check one)

☒ GRAB☐ COMPOSITE

| Date                                     | Time        | DO (mg/L)                                                                                                                                                                                             | DO (%SAT)                                   | Temp. (C°) | pH         | Sample Depth (m)                                                                   | Secchi Disk (m)                         | Total Depth (m)                        | Sp COND (µmhos/cm)    | Salinity (PPTH) |  |  |  |  |  |
|------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------|------------|------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|-----------------------|-----------------|--|--|--|--|--|
|                                          | 1010<br>CEN | 4.28                                                                                                                                                                                                  | 46                                          | 18.9       | 6.46       | 0.3                                                                                | 0.5<br><input type="checkbox"/> VOB (S) | 0.6                                    | 243.1                 | 0.12            |  |  |  |  |  |
| 12/8/2021                                |             |                                                                                                                                                                                                       |                                             |            |            |                                                                                    |                                         |                                        |                       |                 |  |  |  |  |  |
|                                          | CEN         |                                                                                                                                                                                                       |                                             |            |            |                                                                                    |                                         |                                        |                       |                 |  |  |  |  |  |
| Parameter Suite                          |             | Parameter Methods                                                                                                                                                                                     |                                             |            |            | Preservation                                                                       |                                         | pH Check                               | # Bottles sent to Lab | Bottle Group    |  |  |  |  |  |
| Preserved Nutrients (P-500ML)            |             | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                       |                                             |            |            | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4* |                                         | <input checked="" type="checkbox"/> <2 | 1                     | A               |  |  |  |  |  |
|                                          |             | Lot #                                                                                                                                                                                                 | SA0353110                                   |            | Exp:       | 1/11/22                                                                            |                                         |                                        |                       |                 |  |  |  |  |  |
| Metals (P-500ML)                         |             | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                                                                                       |                                             |            |            | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                        |                                         | <input type="checkbox"/> <2            |                       |                 |  |  |  |  |  |
|                                          |             | Lot #                                                                                                                                                                                                 |                                             |            | Exp:       |                                                                                    |                                         |                                        |                       |                 |  |  |  |  |  |
| Filtered Nutrients (P125ML)              |             | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                         |                                             |            |            | <input checked="" type="checkbox"/> Ice                                            |                                         |                                        | 1                     | A               |  |  |  |  |  |
|                                          |             | Filter Lot #                                                                                                                                                                                          |                                             |            |            |                                                                                    |                                         |                                        |                       |                 |  |  |  |  |  |
|                                          |             | Syringe Lot #                                                                                                                                                                                         |                                             |            |            |                                                                                    |                                         |                                        |                       |                 |  |  |  |  |  |
| Chlorophyll (BP-1L)                      |             | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                        |                                             |            |            | <input checked="" type="checkbox"/> Ice                                            |                                         |                                        |                       |                 |  |  |  |  |  |
| Physical/Aggregate (Fresh) (P-1L)        |             | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                       |                                             |            |            | <input checked="" type="checkbox"/> Ice                                            |                                         |                                        |                       |                 |  |  |  |  |  |
| Physical/Aggregate (Marine) (P-1L)       |             | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                               |                                             |            |            | <input type="checkbox"/> Ice                                                       |                                         |                                        |                       |                 |  |  |  |  |  |
| Macroinvertebrates (PJ-2L)               |             | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                   | Formalin Lot #                              |            |            | <input type="checkbox"/> Formalin                                                  |                                         |                                        |                       |                 |  |  |  |  |  |
| Periphyton (PT-50ML)                     |             | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                     |                                             |            |            | <input type="checkbox"/> Ice                                                       |                                         |                                        |                       |                 |  |  |  |  |  |
| Microbiology (Contract Lab Bottle)       |             | <input checked="" type="checkbox"/> E Coli <input checked="" type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab             |                                             |            |            | <input checked="" type="checkbox"/> Ice                                            |                                         |                                        | 2                     | A               |  |  |  |  |  |
| Molecular (QPCR-P-500ML)                 |             | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/> |                                             |            |            | <input type="checkbox"/> Ice                                                       |                                         |                                        |                       |                 |  |  |  |  |  |
| Tracers (BG-500ML)                       |             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                               |                                             |            |            | <input type="checkbox"/> Ice                                                       |                                         |                                        |                       |                 |  |  |  |  |  |
| Pesticides (BG-500ML) (BG-1L)            |             | W-E8321-DI                                                                                                                                                                                            | WE8321-MS                                   | W-PSNP-TQ  | W-CT-CL-R  | <input type="checkbox"/> Ice                                                       |                                         |                                        |                       |                 |  |  |  |  |  |
| Phytoplankton/Periphyton                 |             | W-PCL-TQ-R                                                                                                                                                                                            | W-CARB-AA ( 5 ml of MCAA** Buffer Solution) |            |            | <input type="checkbox"/> Ice                                                       |                                         |                                        |                       |                 |  |  |  |  |  |
|                                          |             |                                                                                                                                                                                                       |                                             | DTY-QN-C   |            |                                                                                    |                                         |                                        |                       |                 |  |  |  |  |  |
|                                          |             |                                                                                                                                                                                                       |                                             | PKD-QN-BV  |            | <input type="checkbox"/> Ice                                                       |                                         |                                        |                       |                 |  |  |  |  |  |
| Name:<br>Nathan Mulkey<br>Myranda Butler |             |                                                                                                                                                                                                       |                                             |            | Signature: |                                                                                    |                                         |                                        |                       | Date:           |  |  |  |  |  |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution