

# 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:

154179

RQ:

2021-03-08-SS

Project:

CMP

Notes: (1) Always wait for meter to stabilize before recording any readings.

(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

2/1/21

| 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.            | AM   | 3/8/21 | 0630       | 20.5    | 774             | 9.1             | 9.12            | 99.5  |              |            | P/F         | L/F         |
| ICV                |      |        | 0632       | ↓       | ↓               | 9.1             | 9.16            | 99.7  |              |            | P/F         | L/F         |
| CCV                |      |        | 1410       | 19.7    | 774             | 9.4             | 9.18            | 105.0 |              |            | P/F         | L/F         |
| CCV                |      |        |            |         |                 |                 |                 |       |              |            | P/F         | L/F         |

DO Acceptance criteria from Table ± 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 (ProDSS 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 µmhos/cm | Meter Reading µmhos/cm | Pass / Fail | Lab / Field |
|---------------------|------|--------|------------|---------|-------------|-------------------|------------------------|-------------|-------------|
| Calibr.             | AM   | 3/8/21 | 0640       | 200124B | 8/21        | 1000              | 1000                   | P/F         | L/F         |
| ICV                 | ↓    | ↓      | 0642       | 20103A  | 10/21       | 100               | 104                    | P/F         | L/F         |
| CCV                 | ↓    | ↓      | 1415       | ↓       | ↓           | ↓                 | 103                    | P/F         | L/F         |
| CCV                 |      |        |            |         |             |                   |                        | P/F         | L/F         |

Conductivity Acceptance criteria ± 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.            | AM   | 3/8/21 | 0645       | 202114 | 5/22        | 7.           | 20.8    | 7.0              |        | P/F         | L/F         |
| Calibr.            | ↓    | ↓      | 0648       | 203620 | 6/22        | 4.           | ↓       | 4.0              |        | P/F         | L/F         |
| Calibr.            | ↓    | ↓      | 0650       | 201473 | 5/22        | 10.          | ↓       | 10.0             |        | P/F         | L/F         |
| ICV                | ↓    | ↓      | 0652       | 203620 | 6/22        | 4.0          | ↓       | 3.90             | 19.5   | P/F         | L/F         |
| CCV                | ↓    | ↓      | 1420       | 202114 | 5/22        | 7.0          | 20.0    | 7.00             | -27.40 | P/F         | L/F         |
| CCV                |      |        |            |        |             |              |         |                  |        | P/F         | L/F         |

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50;

mV pH 4 Range +180 ± 50;

mV pH 10 Range -180 ± 50;

If mV are recorded: slope from 7 to 10 \_\_\_\_\_, slope from 4 to 7 \_\_\_\_\_ (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:

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: \_\_\_\_\_; Date of last verification: 2/1/21

| 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                   | AM   | 3/8/21 | 0700       | 0.00                                      | 0.00              | P/F         | L/F         |

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

REMARKS:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 3/8/2021 **Collected By:** Christopher Stopher Slade, Nathan Mulkey  
**Customer:** NW-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2021-03-08-55 **Project ID:** SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL  
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

**Number of Coolers Shipped: 1**

**FIELD ID (Labels) submitted under this RQ for this collection date.**

| Site Location                                        | Field ID/WIN ID                                                                                  |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Horsehead Creek upstream of Millside Rd              | <br>G4NW0515   |
| Pond Creek in McCloud Bay upstream of Lake Ella Road | <br>G4NW0350   |
| Pond Creek upstream of Bob Sikes Hwy                 | <br>G4NW0522 |
| Poverty Creek upstream of Poverty Creek Rd           | <br>G4NW0427 |
| Trammel Creek East of Hwy 4                          | <br>G4NW0052 |

RELINQUISHED BY(SIGNATURE):

*Christopher Slade*

DATE/TIME:

3/08/2021 1630

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:**

**Rec'd/Inspected Date:**



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
☒ Yes / ☐ No

**WIN Station Name:** Horsehead Creek upstream of Millside Rd **Date:** 3/8/2021  
**WIN/Field ID:** G4NW0515 **WBID:** 34 **ENR:** **Latitude:** 30.92879999  
**County:** OKALOOSA **Org ID:** 21FLPNS **Longitude:** -86.437  
**Receiving Body of Water:** Pensacola **RQ:** 2021-03-08-55

| Sampling Team Members               |                           | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|---------------------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Christopher Stopher Slade | x               |                   | x             |              |                    |
| <input checked="" type="checkbox"/> | Nathan Mulkey             |                 | x                 |               | 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 checked="" type="checkbox"/> Wading           | <input 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>154179 (PRODSS) |  |  |  |  |  |
| <b>Photos:</b> YES                                                                                                                                                                                                                                                     |  | <b>Flow:</b> FLOW |  | <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>                                                                                                                                                                                                                                                          |  |                   |  |              |  |                                     |  |  |  |  |  |

## 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_DDDMMYY) |
| <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: QC Station ID, Field Parameters In LIMS DMT:  
(Initials/Date) (Initials/Date)  
Scan/Save Field Sheets Migrate Data to WIN: Verify Data In WIN:  
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2021-03-08-55

Customer: WQAP

Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey

Field Report Prepared By: Christopher Stopher Slade

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G4NW0515

Location: Horsehead Creek upstream of Millside Rd

Comments: Microbiology sample(s) submitted to contract laboratory

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 (PPT) |
|----------|-------------|-----------|-----------|------------|-----|------------------|-----------------------------------------------------|-----------------|--------------------|----------------|
| 3/8/2021 | 1010<br>CEN | 10.37     | 95.5      | 12.3       | 5.8 | 0.12             | 0.24<br><input checked="" type="checkbox"/> VOB (S) | 0.24            | 33.6               | 0.01           |
|          | CEN         |           |           |            |     |                  | Central Lab please use top row for login purposes   |                 |                    |                |

| 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 # 0293040 Exp: 10/19/21                                                                                                                                                                           |                                                                                    |                                        |                       |              |
| Metals (P-500ML)                   | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD                                                                      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3*  | <input checked="" type="checkbox"/> <2 | 1                     | A            |
|                                    | Lot # 0344060 Exp: 1/4/22                                                                                                                                                                             |                                                                                    |                                        |                       |              |
| 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 # 17097890                                                                                                                                                                                 |                                                                                    |                                        |                       |              |
|                                    | Syringe Lot # 0079929                                                                                                                                                                                 |                                                                                    |                                        |                       |              |
| Chlorophyll (BP-1L)                | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                        | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| 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                                            |                                        | 1                     | A            |
| 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                                                                                                                                                                   | <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 type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab                                   | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | 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)      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R                                                          | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
|                                    | <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA ( 5 ml of MCAA** Buffer Solution) <input type="checkbox"/> W-DIELDRIN                                                          |                                                                                    |                                        |                       |              |
| Phytoplankton/Periphyton           | DTM-QL-C <input type="checkbox"/> PEN-QL-C <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                        | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
|                                    | DTM-QN-C <input type="checkbox"/> PRN-QN-C <input type="checkbox"/> PKD-QN-BV <input type="checkbox"/>                                                                                                |                                                                                    |                                        |                       |              |

Name:  
Christopher Stopher Slade  
Nathan Mulkey

Signature:

Christopher Slade

Date:

3/8/21

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
☒ Yes / ☐ No

**WIN Station Name:** Pond Creek in McCloud Bay upstream of Lake Ella Road **Date:** 3/8/2021

**WIN/Field ID:** G4NW0350 **WBID:** 35A **ENR:** **Latitude:** 30.834287

**County:** OKALOOSA **Org ID:** 21FLPNS **Longitude:** -86.428394

**Receiving Body of Water:** Pensacola **RQ:** 2021-03-08-55

| Sampling Team Members               |                           | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|---------------------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Nathan Mulkey             |                 | x                 |               | x            | x                  |
| <input checked="" type="checkbox"/> | Christopher Stopher Slade | 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 type="checkbox"/> Syringe                     | <input type="checkbox"/> Pole           |
| Depth measured with: Meter                           |                                         |
| Secchi Equipment ID:                                 |                                         |
| Collection Method                                    |                                         |
| <input checked="" type="checkbox"/> Wading           | <input 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>154179 (PRODSS) |  |  |  |  |  |
| <b>Photos:</b> YES                                                                                                                                                                                                                                                     |  | <b>Flow:</b> FLOW |  | <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>                                                                                                                                                                                                                                                          |  |                   |  |              |  |                                     |  |  |  |  |  |

## 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> |              |                      |              |

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|                                |              |                           |                      |
|--------------------------------|--------------|---------------------------|----------------------|
| <b>Time Zone:</b>              | <b>Time:</b> | <b>Field ID:</b>          | (Blank Type_DDDMMYY) |
| <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: QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets Migrate Data to WIN: Verify Data In WIN:



RQ-2021-03-08-55

Customer: WQAP

Project ID: SMP

Collected By: Nathan Mulkey, Christopher Stopher Slade

Field Report Prepared By: Nathan Mulkey

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G4NW0350

Location: Pond Creek in McCloud Bay upstream of Lake Ella Road

Comments: Microbiology sample(s) submitted to contract laboratory

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 (PPT <sub>h</sub> ) |
|----------|------------|-----------|-----------|------------|------|------------------|----------------------------------------------------|-----------------|--------------------|------------------------------|
| 3/8/2021 | 905<br>CEN | 10.7      | 98.1      | 11.6       | 5.18 | 0.3              | 0.9<br><input checked="" type="checkbox"/> VOB (S) | 0.9             | 32.8               | 0.01                         |
|          | CEN        |           |           |            |      |                  | Central Lab please use top row for login purposes  |                 |                    |                              |

| Parameter Suite                    | Parameter Methods                                                                                                                                                                                                                                                                           | Preservation                                                 | pH Check                    | # Bottles sent to Lab | Bottle Group |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # _____ Exp: _____                                                                                                                                                                                              | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4* | <input type="checkbox"/> <2 |                       |              |
| Metals (P-500ML)                   | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD<br>Lot # _____ Exp: _____                                                                                                                                                                   | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*  | <input type="checkbox"/> <2 |                       |              |
| Filtered Nutrients (P125ML)        | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter<br>Filter Lot # _____<br>Syringe Lot # _____                                                                                                                                                        | <input type="checkbox"/> Ice                                 |                             |                       |              |
| Chlorophyll (BP-1L)                | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                         | <input type="checkbox"/> Ice                                 |                             |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                                        | <input 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                                                                                                                                                                                                                                                         | <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 type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab                                                                                                                         | <input checked="" type="checkbox"/> Ice                      |                             | 1                     | D            |
| 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"/> Ice                                 |                             |                       |              |
| Tracers (BG-500ML)                 | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS                                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice                      |                             | 1                     | D            |
| Pesticides (BG-500ML) (BG-1L)      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) <input type="checkbox"/> W-DIELDRIN | <input type="checkbox"/> Ice                                 |                             |                       |              |
| Phytoplankton/Periphyton           | DTM-QL-C <input type="checkbox"/> PEN-QL-C <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C<br>DTM-QN-C <input type="checkbox"/> PRN-QN-C <input type="checkbox"/> PKD-QN-BV                                                                                             | <input type="checkbox"/> Ice                                 |                             |                       |              |

Name:  
Nathan Mulkey  
Christopher Stopher Slade

Signature:

Christopher Slade

Date:

3/8/21

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
☒ Yes / No

**WIN Station Name:** Pond Creek upstream of Bob Sikes Hwy **Date:** 3/8/2021  
**WIN/Field ID:** G4NW0522 **WBID:** 35 **ENR:** **Latitude:** 30.96869999  
**County:** WALTON **Org ID:** 21FLPNS **Longitude:** -86.3666  
**Receiving Body of Water:** Pensacola **RQ:** 2021-03-08-55

| Sampling Team Members               |                           | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|---------------------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Christopher Stopher Slade | x               |                   | x             |              |                    |
| <input checked="" type="checkbox"/> | Nathan Mulkey             |                 | x                 |               | 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 type="checkbox"/> Syringe                     | <input type="checkbox"/> Pole           |
| Depth measured with: Meter                           |                                         |
| Secchi Equipment ID:                                 |                                         |
| Collection Method                                    |                                         |
| <input checked="" type="checkbox"/> Wading           | <input 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>154179 (PRODSS) |  |  |  |  |  |
| <b>Photos:</b> YES                                                                                                                                                                                                                                                     |  | <b>Flow:</b> FLOW |  | <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>                                                                                                                                                                                                                                                          |  |                   |  |              |  |                                     |  |  |  |  |  |

## 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_DDDMMYY) |
| <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-2021-03-08-55

Customer: WQAP

Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey

Field Report Prepared By: Christopher Stopher Slade

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G4NW0522

Location: Pond Creek upstream of Bob Sikes Hwy

Comments: Microbiology sample(s) submitted to contract laboratory

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 (PPT) |
|----------|------------|-----------|-----------|------------|------|------------------|----------------------------------------------------|-----------------|--------------------|----------------|
| 3/8/2021 | 940<br>CEN | 9.95      | 92.2      | 12.5       | 6.03 | 0.3              | 0.6<br><input checked="" type="checkbox"/> VOB (S) | 0.6             | 50.2               | 0.02           |
|          | CEN        |           |           |            |      |                  | Central Lab please use top row for login purposes  |                 |                    |                |

| Parameter Suite                    | Parameter Methods                                                                                                                                                                                                                                                                            | Preservation                                                                      | pH Check                               | # Bottles sent to Lab | Bottle Group |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # Exp:                                                                                                                                                                                                           | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4*                      | <input type="checkbox"/> <2            |                       |              |
| Metals (P-500ML)                   | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD<br>Lot # 0344060 Exp:                                                                                                                                       | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3* | <input checked="" type="checkbox"/> <2 | 1                     | C            |
| Filtered Nutrients (P125ML)        | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter<br>Filter Lot # Syringe Lot #                                                                                                                                                                        | <input type="checkbox"/> Ice                                                      |                                        |                       |              |
| Chlorophyll (BP-1L)                | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                          | <input type="checkbox"/> Ice                                                      |                                        |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                                         | <input 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                                                                                                                                                                                                                                                          | <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 type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab                                                                                                                          | <input checked="" type="checkbox"/> Ice                                           |                                        | 1                     | C            |
| 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"/> 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)      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA ( 5 ml of MCAA** Buffer Solution) <input type="checkbox"/> W-DIELDRIN | <input type="checkbox"/> Ice                                                      |                                        |                       |              |
| Phytoplankton/Periphyton           | DTM-QL-C PEN-QL-C DTY-QN-C PKD-QN-C<br>DTM-QN-C PRN-QN-C PKD-QN-BV                                                                                                                                                                                                                           | <input type="checkbox"/> Ice                                                      |                                        |                       |              |

Name:  
Christopher Stopher Slade  
Nathan Mulkey

Signature:

Christopher Slade

Date:

3/8/21

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
☒ Yes / ☐ No

**WIN Station Name:** Poverty Creek upstream of Poverty Creek Rd **Date:** 3/8/2021  
**WIN/Field ID:** G4NW0427 **WBID:** 161 **ENR:** **Latitude:** 30.80877154  
**County:** OKALOOSA **Org ID:** 21FLPNS **Longitude:** -86.465189  
**Receiving Body of Water:** Pensacola **RQ:** 2021-03-08-55

| Sampling Team Members               |                           | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|---------------------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Christopher Stopher Slade | x               |                   | x             |              |                    |
| <input checked="" type="checkbox"/> | Nathan Mulkey             |                 | x                 |               | 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 checked="" type="checkbox"/> Wading           | <input 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>154179 (PRODSS) |                                  |
| <b>Photos:</b> YES                                                                                                                                                                                                                                                     | <b>Flow:</b> FLOW | <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>                                                                                                                                                                                                                                                          |                   |                                     |                                  |

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



RQ-2021-03-08-55

Customer: WQAP

Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey

Field Report Prepared By: Christopher Stopher Slade

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G4NW0427

Location: Poverty Creek upstream of Poverty Creek Rd

Comments:

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 (PPT) |
|----------|-------------|-----------|-----------|------------|------|------------------|-----------------------------------------------------|-----------------|--------------------|----------------|
| 3/8/2021 | 1100<br>CEN | 10.84     | 102.2     | 13.5       | 4.81 | 0.17             | 0.34<br><input checked="" type="checkbox"/> VOB (S) | 0.34            | 21                 | 0.01           |
|          | CEN         |           |           |            |      |                  | Central Lab please use top row for login purposes   |                 |                    |                |

| 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<br>Lot # 0293040 Exp: 10/19/21                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4* | <input checked="" type="checkbox"/> <2 | 1                     | B            |
| Metals (P-500ML)                   | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD<br>Lot # 0344060 Exp: 1/4/21                                                                                                                                | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3*  | <input checked="" type="checkbox"/> <2 | 1                     | B            |
| Filtered Nutrients (P125ML)        | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter<br>Filter Lot # 17097890<br>Syringe Lot # 0079929                                                                                                                              | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | B            |
| Chlorophyll (BP-1L)                | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | B            |
| 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                                            |                                        | 1                     | B            |
| 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                                                                                                                                                                                                                                                          | <input type="checkbox"/> Formalin                                                  |                                        |                       |              |
| Periphyton (PT-50ML)               | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                            | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Microbiology (Contract Lab Bottle) | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                                                                                                                                | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Molecular (QPCR-P-500ML)           | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                                                 | <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)      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA ( 5 ml of MCAA** Buffer Solution) <input type="checkbox"/> W-DIELDRIN | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Phytoplankton/Periphyton           | DTM-QL-C <input type="checkbox"/> PEN-QL-C <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C<br>DTM-QN-C <input type="checkbox"/> PRN-QN-C <input type="checkbox"/> PKD-QN-BV                                                                                              | <input type="checkbox"/> Ice                                                       |                                        |                       |              |

Name:  
Christopher Stopher Slade  
Nathan Mulkey

Signature:

Christopher Slade

Date:

3/8/21

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
☒ Yes / No

**WIN Station Name:** Trammel Creek East of Hwy 4 **Date:** 3/8/2021  
**WIN/Field ID:** G4NW0052 **WBID:** 30G **ENR:** **Latitude:** 30.74785  
**County:** OKALOOSA **Org ID:** 21FLPNS **Longitude:** -86.6205  
**Receiving Body of Water:** Pensacola **RQ:** 2021-03-08-55

| Sampling Team Members               |                           | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|---------------------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Christopher Stopher Slade | x               |                   | x             |              |                    |
| <input checked="" type="checkbox"/> | Nathan Mulkey             |                 | x                 |               | 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 type="checkbox"/> Syringe                     | <input type="checkbox"/> Pole           |
| Depth measured with: Meter                           |                                         |
| Secchi Equipment ID:                                 |                                         |
| Collection Method                                    |                                         |
| <input checked="" type="checkbox"/> Wading           | <input 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>154179 (PRODSS) |  |  |  |  |  |
| <b>Photos:</b> YES                                                                                                                                                                                                                                                     |  | <b>Flow:</b> FLOW |  | <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>                                                                                                                                                                                                                                                          |  |                   |  |              |  |                                     |  |  |  |  |  |

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



RQ-2021-03-08-55  
Customer: WQAP  
Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey  
Field Report Prepared By: Christopher Stopher Slade  
Sampling Agency: FDEP

| Place Label Here<br><br>WIN ID/Field ID:<br>G4NW0052<br>Location: Trammel Creek East of Hwy 4 |             |                                                                                                                                                                                                       |           |                                                                      |                                        | Comments: Microbiology sample(s) submitted to contract laboratory                       |                                                    |                                        |                       |                              |
|-----------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------|-----------------------|------------------------------|
| Matrix: Fresh                                                                                 |             |                                                                                                                                                                                                       |           |                                                                      |                                        | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                                    |                                        |                       |                              |
| Date                                                                                          | Time        | DO (mg/L)                                                                                                                                                                                             | DO (%SAT) | Temp. (C°)                                                           | pH                                     | Sample Depth (m)                                                                        | Secchi Disk (m)                                    | Total Depth (m)                        | Sp COND (µmhos/cm)    | Salinity (PPT <sub>h</sub> ) |
| 3/8/2021                                                                                      | 1130<br>CEN | 11                                                                                                                                                                                                    | 101.5     | 12.6                                                                 | 6.33                                   | 0.3                                                                                     | 0.9<br><input checked="" type="checkbox"/> VOB (S) | 0.9                                    | 59.1                  | 0.03                         |
|                                                                                               | CEN         |                                                                                                                                                                                                       |           |                                                                      |                                        |                                                                                         | Central Lab please use top row for login purposes  |                                        |                       |                              |
| Parameter Suite                                                                               |             | Parameter Methods                                                                                                                                                                                     |           |                                                                      |                                        | Preservation                                                                            |                                                    | pH Check                               | # Bottles sent to Lab | Bottle Group                 |
| Preserved Nutrients (P-500ML)                                                                 |             | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                  |           |                                                                      |                                        | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4*                            |                                                    | <input type="checkbox"/> <2            |                       |                              |
|                                                                                               |             | Lot #                                                                                                                                                                                                 |           |                                                                      | Exp:                                   |                                                                                         |                                                    |                                        |                       |                              |
| Metals (P-500ML)                                                                              |             | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD                                                                      |           |                                                                      |                                        | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3*       |                                                    | <input checked="" type="checkbox"/> <2 | 1                     | C                            |
|                                                                                               |             | Lot #                                                                                                                                                                                                 | 0344060   |                                                                      | Exp:                                   | 1/4/22                                                                                  |                                                    |                                        |                       |                              |
| Filtered Nutrients (P125ML)                                                                   |             | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                               |           |                                                                      |                                        | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
|                                                                                               |             | Filter Lot #                                                                                                                                                                                          |           |                                                                      |                                        |                                                                                         |                                                    |                                        |                       |                              |
|                                                                                               |             | Syringe Lot #                                                                                                                                                                                         |           |                                                                      |                                        |                                                                                         |                                                    |                                        |                       |                              |
| Chlorophyll (BP-1L)                                                                           |             | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                   |           |                                                                      |                                        | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
| Physical/Aggregate (Fresh) (P-1L)                                                             |             | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                  |           |                                                                      |                                        | <input 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                                                                                                                                                                   |           |                                                                      |                                        | <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 type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab                                   |           |                                                                      |                                        | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | C                            |
| 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)                                                                 |             | <input type="checkbox"/> W-E8321-DI                                                                                                                                                                   |           | <input type="checkbox"/> WE8321-MS                                   | <input type="checkbox"/> W-PSNP-TQ     | <input type="checkbox"/> W-CT-CL-R                                                      |                                                    | <input type="checkbox"/> Ice           |                       |                              |
|                                                                                               |             | <input type="checkbox"/> W-PCL-SQ-R                                                                                                                                                                   |           | <input type="checkbox"/> W-CARB-AA ( 5 ml of MCAA** Buffer Solution) |                                        | <input type="checkbox"/> W-DIELDRIN                                                     |                                                    |                                        |                       |                              |
| Phytoplankton/Periphyton                                                                      |             | <input type="checkbox"/> DTM-QL-C                                                                                                                                                                     |           | <input type="checkbox"/> PEN-QL-C                                    | <input type="checkbox"/> DTY-QN-C      | <input type="checkbox"/> PKD-QN-C                                                       |                                                    | <input type="checkbox"/> Ice           |                       |                              |
|                                                                                               |             | <input type="checkbox"/> DTM-QN-C                                                                                                                                                                     |           | <input type="checkbox"/> PRN-QN-C                                    | <input type="checkbox"/> PKD-QN-BV     |                                                                                         |                                                    |                                        |                       |                              |
| Name:<br>Christopher Stopher Slade<br>Nathan Mulkey                                           |             |                                                                                                                                                                                                       |           |                                                                      | Signature:<br><i>Christopher Slade</i> |                                                                                         |                                                    |                                        | Date:<br>3/8/21       |                              |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

## Document Reference # 05.1.0

Laboratory: Wetlands Research Laboratory

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Date/Time: 3/8/21 11236

Date/Time: 3/8/21 11236

AST

3/8/21/10/10  
↓ 1130  
0940  
↓ 0905

Surface water, no chlorine expected

Contact organization FDEP

Contact name

Phone:

Sampler's name: Nathan Burke

<sup>2</sup>Type codes: G = grab, C = composite, X =<sup>3</sup> Recorded using IRT-2