

# Login Checklist

RQ- **2021 - 04 - 05 -62**

Login Station ID: **# 3**

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: **04-12-2021 / 12:00**

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 15.4C               |                 |                                        |          | 10                                    |               | X  |          |    | 9293 8011 6387     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO<sub>3</sub> and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes **X** No \_\_\_\_\_

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes **✓** No \_\_\_\_\_

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA **X**

Evidence Tape intact? Yes \_\_\_\_\_ No \_\_\_\_\_

If Criminal, photographs taken?

Yes \_\_\_\_\_ No \_\_\_\_\_

Containers intact? Yes **X** No \_\_\_\_\_

Caps on tight?

Yes **X** No \_\_\_\_\_

Sufficient Sample Volume:

Yes **X** No \_\_\_\_\_

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

**CHLORINE CHECK REQUIRED?** (Blue dot on container)

Yes **X** No \_\_\_\_\_ Init: **ABS/**

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No **X** Init: **ABS/**

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

\*\*Acid Preserved Samples: pH < 2.0?

Yes **X** No \_\_\_\_\_ NA \_\_\_\_\_ Init: **ABS/**

\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA **X** Init: **ABS/**

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

Coolers Unpacked/Checked by: **ABS/**

Date: **04-12-2021**

Event contains NCRs (Y/N)? **Yes**

Event ID:

**SO-DIST-2021 - 04 - 12 - 02**

8766

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                         |
|--------------------------|-------------------------|
| Infrared Thermometer ID: | IRTG # 3 EXP:10/28/2021 |
| pH Test Strips 0 – 6     | 213316 BV EXP:05/15/21  |
| pH Paper 0 – 3           | N/A                     |
| pH Paper 0 – 13          | 231019 EXP:11/01/2021   |
| Chlorine Test Strips     | 0261 2023 / 05          |

### ENCORE SAMPLES

**S-VOC-MS samples in Encores must be frozen within 48 hours of collection.**

Were Encore samples received? Yes \_\_\_\_\_ Init: ABS

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ No \_\_\_\_\_

If no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

### **FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):**

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

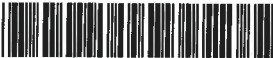
**Date:** 4/8/2021  
**Customer:** SO-DIST  
**RQ:** RQ-2021-04-05-62  
**Collected By:** Chris Hormuth, William Mullen  
**Sampling Agency:** FDEP  
**Project ID:** SMP

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

**Number of Coolers Shipped:** 2

**Delivery Method:** FedEx

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

| Site Location                | Field ID/WIN ID                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------|
| Harney Pond Canal @ SR 70    | <br>G4SD0173   |
| Indian Prairie Canal @ SR 70 | <br>G4SD0174   |
| C-41 A @ SR 70               | <br>G4SD0175 |
| L-49                         | <br>G4SD0190 |

RELINQUISHED BY(SIGNATURE):

*William S. Mullen*

DATE/TIME:

04/08/2021 1500pm

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** A.SHAIK

**Rec'd/Inspected**  
**Date:** 04-12-2021



Customer: FDEP

Field Report Prepared by: Chris Hormuth, William Mullen

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G4SD0190

Comments: Microbiology sample(s) submitted to contract laboratory

Location: L-49

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

| Date and Time                                     | DO (mg/L)         | DO (%SAT)                                                                   | Temp. °C                                   | pH    | Sample Depth (m)              | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPTH)       |              |   |   |
|---------------------------------------------------|-------------------|-----------------------------------------------------------------------------|--------------------------------------------|-------|-------------------------------|--------------|-----------------|--------------------|-----------------------|--------------|---|---|
| 4/8/2021<br>1220                                  | 7.98              | 96.3                                                                        | 24.7                                       | 8.25  | 0.3                           | 1            | 1.4             | 874                | 0.43                  |              |   |   |
| 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)                     | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                            |       | X                             | Ice          | X               | H2SO4*             | X                     | <2           | 1 | A |
|                                                   |                   | Lot #                                                                       | SA0353110                                  |       |                               | Exp: 1/11/22 |                 |                    |                       |              |   |   |
| Metals (P-500ML)                                  |                   | W-ICPMS                                                                     |                                            | W-ICP | W-HARD                        |              | Ice             | HNO3*              |                       | <2           |   |   |
|                                                   |                   | Lot #                                                                       |                                            |       | Exp:                          |              |                 |                    |                       |              |   |   |
| Filtered Nutrients (P125ML)                       | X                 | W-PO4-F                                                                     |                                            | X     | Field Filtered 0.45 µm Filter |              | X               | Ice                |                       |              | 1 | A |
|                                                   |                   | Filter Lot #                                                                | 17101170                                   |       |                               |              |                 |                    |                       |              |   |   |
|                                                   |                   | Syringe Lot #                                                               | 118593                                     |       |                               |              |                 |                    |                       |              |   |   |
| Chlorophyll (BP-1L)                               | X                 | CHLSUITE-W                                                                  |                                            |       | X                             | Ice          |                 |                    |                       |              |   |   |
| Physical/Aggregate (Fresh) (P-1L)                 | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS |                                            |       | X                             | Ice          |                 |                    |                       |              |   |   |
| Physical/Aggregate (Marine) (P-1L)                |                   | Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                              |                                            |       |                               | Ice          |                 |                    |                       |              |   |   |
| Macroinvertebrates (PJ-2L)                        |                   | MI-FW-QLDC                                                                  |                                            |       |                               | Ice          |                 |                    |                       |              |   |   |
| Periphyton (PT-50ML)                              |                   | ALGAE-ID                                                                    |                                            |       |                               | Ice          |                 |                    |                       |              |   |   |
| Microbiology (Contract Lab Bottle)                | X                 | E Coli                                                                      |                                            |       | F Coli                        |              | Enterococci     | X                  | Ice                   | 1            | A |   |
|                                                   | X                 | Contract Lab                                                                |                                            |       |                               |              |                 |                    |                       |              |   |   |
| Molecular (QPCR-P-500ML)                          |                   | PCR-HF183                                                                   |                                            |       | PCR-BacR                      |              | PCR-DG3         |                    | Ice                   |              |   |   |
|                                                   |                   | PCR-GULL2                                                                   |                                            |       | PCR-GFD                       |              |                 |                    |                       |              |   |   |
| Tracers (BG-500ML)                                | X                 | W-E8321-DI                                                                  |                                            | X     | W-E8321-MS                    |              | X               | Ice                |                       |              | 1 | A |
| Pesticides (BG-500ML) (BG-1L)                     |                   | W-E8321-DI                                                                  | W-E8321-MS                                 |       |                               | W-PSNP-TQ    |                 | Ice                |                       |              |   |   |
|                                                   |                   | W-PCL-SQ-R                                                                  | W-CARB-AA (5 ml of MCAA** Buffer Solution) |       |                               | W-DIELDIN    |                 |                    |                       |              |   |   |
|                                                   |                   |                                                                             |                                            |       |                               | W-CT-CL-R    |                 |                    |                       |              |   |   |
| Phytoplankton                                     |                   | DTY-QN-C                                                                    |                                            |       | PKD-QN-BV                     |              |                 | Ice                |                       |              |   |   |



Customer: FDEP

Field Report Prepared by: Chris Hormuth, William Mullen

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G4SD0175

Comments:

Location: C-41 A @ SR 70

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

| Date and Time    | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPT) |
|------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|----------------|
| 4/8/2021<br>1130 | 8.64      | 102.6     | 23.8     | 7.68 | 0.3              | 0.6          | 0.6             | 254.4              | 0.12           |

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| Parameter Suite                    |   | Parameter Methods                                                            |  |                                             |                               |             | Preservation |     |     | pH Check |       | # Bottles sent to Lab | Bottle Group |   |   |  |
|------------------------------------|---|------------------------------------------------------------------------------|--|---------------------------------------------|-------------------------------|-------------|--------------|-----|-----|----------|-------|-----------------------|--------------|---|---|--|
| Preserved Nutrients (P-500ML)      | X | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |  |                                             |                               |             | X            | Ice | X   | H2SO4*   | X     | <2                    | 1            | B |   |  |
|                                    |   | Lot #                                                                        |  | SA0353110                                   |                               | Exp:        | 1/11/22      |     |     |          |       |                       |              |   |   |  |
| Metals (P-500ML)                   |   | W-ICPMS                                                                      |  | W-ICP                                       |                               | W-HARD      |              |     | Ice |          | HNO3* |                       | <2           |   |   |  |
|                                    |   | Lot #                                                                        |  |                                             |                               | Exp:        |              |     |     |          |       |                       |              |   |   |  |
| Filtered Nutrients (P125ML)        | X | W-PO4-F                                                                      |  | X                                           | Field Filtered 0.45 um Filter |             |              | X   | Ice |          |       |                       | 1            | B |   |  |
|                                    |   | Filter Lot #                                                                 |  | 17101170                                    |                               |             |              |     |     |          |       |                       |              |   |   |  |
|                                    |   | Syringe Lot #                                                                |  | 118593                                      |                               |             |              |     |     |          |       |                       |              |   |   |  |
| Chlorophyll (BP-1L)                | X | CHLSUITE-W                                                                   |  |                                             |                               |             | X            | Ice |     |          |       |                       | 1            | B |   |  |
| Physical/Aggregate (Fresh) (P-1L)  | X | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS |  |                                             |                               |             | X            | Ice |     |          |       |                       | 1            | B |   |  |
| Physical/Aggregate (Marine) (P-1L) |   | Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                               |  |                                             |                               |             |              | Ice |     |          |       |                       |              |   |   |  |
| Macroinvertebrates (PJ-2L)         |   | MI-FW-QLDC                                                                   |  |                                             |                               |             |              | Ice |     |          |       |                       |              |   |   |  |
| Periphyton (PT-50ML)               |   | ALGAE-ID                                                                     |  |                                             |                               |             |              | Ice |     |          |       |                       |              |   |   |  |
| Microbiology (Contract Lab Bottle) |   | E Coli                                                                       |  | F Coli                                      |                               | Enterococci |              |     | Ice |          |       |                       |              |   |   |  |
|                                    |   | Contract Lab                                                                 |  |                                             |                               |             |              |     |     |          |       |                       |              |   |   |  |
| Molecular (QPCR-P-500ML)           |   | PCR-HF183                                                                    |  | PCR-BacR                                    |                               | PCR-DG3     |              |     | Ice |          |       |                       |              |   |   |  |
|                                    |   | PCR-GULL2                                                                    |  | PCR-GFD                                     |                               |             |              |     |     |          |       |                       |              |   |   |  |
| Tracers (BG-500ML)                 | X | W-E8321-DI                                                                   |  | X                                           | W-E8321-MS                    |             |              | X   | Ice |          |       |                       |              | 1 | B |  |
| Pesticides (BG-500ML) (BG-1L)      |   | W-E8321-DI                                                                   |  | W-E8321-MS                                  |                               | W-PSNP-TQ   |              |     | Ice |          |       |                       |              |   |   |  |
|                                    |   |                                                                              |  |                                             |                               | W-DIELDRIN  |              |     |     |          |       |                       |              |   |   |  |
|                                    |   | W-PCL-SQ-R                                                                   |  | W-CARB-AA ( 5 ml of MCAA** Buffer Solution) |                               | W-CT-CL-R   |              |     |     |          |       |                       |              |   |   |  |
| Phytoplankton                      |   | DTY-QN-C                                                                     |  | PKD-QN-BV                                   |                               |             |              |     | Ice |          |       |                       |              |   |   |  |

RQ-2021-04-05-62

Collected By: Chris Hormuth, William Mullen



|                                                                                                                                               |                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| RQ-2021-04-05-62                                                                                                                              | <b>Collected By:</b> Chris Hormuth, William Mullen             |
| <b>Customer:</b> FDEP                                                                                                                         | <b>Field Report Prepared by:</b> Chris Hormuth, William Mullen |
| <b>Project ID:</b> SMP                                                                                                                        | <b>Sampling Agency:</b> FDEP                                   |
| <b>WIN ID/Field ID:</b> <br><b>WIN ID/Field ID:</b> G4SD0173 | <b>Comments:</b>                                               |

**Location:** Harney Pond Canal @ SR 70

**Matrix:** Fresh

(Check One) ☒ Grab ☐ Composite

| Date and Time    | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPT) |
|------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|----------------|
| 4/8/2021<br>1040 | 7.83      | 90.9      | 22.6     | 7.58 | 0.3              | 0.4          | 0.5             | 178.3              | 0.08           |

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)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |           |                                             |                               |             | X            | Ice | X   | H2SO4*   |       | X                     | <2           | 1  | B |  |
|                                    | Lot #             |                                                                             | SA0353110 |                                             | Exp:                          |             | 1/11/22      |     |     |          |       |                       |              |    |   |  |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                     |           | W-ICP                                       |                               | W-HARD      |              |     | Ice |          | HNO3* |                       |              | <2 |   |  |
|                                    | Lot #             |                                                                             |           |                                             | Exp:                          |             |              |     |     |          |       |                       |              |    |   |  |
| Filtered Nutrients (P125ML)        | X                 | W-PO4-F                                                                     |           | X                                           | Field Filtered 0.45 um Filter |             |              | X   | Ice |          |       |                       | 1            | B  |   |  |
|                                    | Filter Lot #      |                                                                             | 17101170  |                                             |                               |             |              |     |     |          |       |                       |              |    |   |  |
|                                    | Syringe Lot #     |                                                                             | 118593    |                                             |                               |             |              |     |     |          |       |                       |              |    |   |  |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                  |           |                                             |                               |             | X            | Ice |     | 1        |       |                       | B            |    |   |  |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |           |                                             |                               |             | X            | Ice |     | 1        |       |                       | B            |    |   |  |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                              |           |                                             |                               |             |              | Ice |     |          |       |                       |              |    |   |  |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                  |           |                                             |                               |             |              | Ice |     |          |       |                       |              |    |   |  |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                    |           |                                             |                               |             |              | Ice |     |          |       |                       |              |    |   |  |
| Microbiology (Contract Lab Bottle) |                   | E Coli                                                                      |           | F Coli                                      |                               | Enterococci |              |     | Ice |          |       |                       |              |    |   |  |
|                                    |                   | Contract Lab                                                                |           |                                             |                               |             |              |     |     |          |       |                       |              |    |   |  |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                   |           | PCR-BacR                                    |                               | PCR-DG3     |              |     | Ice |          |       |                       |              |    |   |  |
|                                    |                   | PCR-GULL2                                                                   |           | PCR-GFD                                     |                               |             |              |     |     |          |       |                       |              |    |   |  |
| Tracers (BG-500ML)                 | X                 | W-E8321-DI                                                                  |           | X                                           | W-E8321-MS                    |             |              | X   | Ice |          | 1     | B                     |              |    |   |  |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                  |           | W-E8321-MS                                  |                               | W-PSNP-TQ   |              |     | Ice |          |       |                       |              |    |   |  |
|                                    |                   |                                                                             |           |                                             |                               | W-DIELDRIN  |              |     |     |          |       |                       |              |    |   |  |
|                                    |                   | W-PCL-SQ-R                                                                  |           | W-CARB-AA ( 5 ml of MCAA** Buffer Solution) |                               | W-CT-CL-R   |              |     |     |          |       |                       |              |    |   |  |
| Phytoplankton                      |                   | DTY-QN-C                                                                    |           | PKD-QN-BV                                   |                               |             |              |     | Ice |          |       |                       |              |    |   |  |



|                  |                                                         |
|------------------|---------------------------------------------------------|
| RQ-2021-04-05-62 | Collected By: Chris Hormuth, William Mullen             |
| Customer: FDEP   | Field Report Prepared by: Chris Hormuth, William Mullen |
| Project ID: SMP  | Sampling Agency: FDEP                                   |

|                                                                                                                                 |           |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|
| WIN ID/Field ID: <br>WIN ID/Field ID: G4SD0174 | Comments: |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|

Location: Indian Prairie Canal @ SR 70

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

| Date and Time    | DO (mg/L) | DO (%SAT) | Temp. °C | pH  | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPT) |
|------------------|-----------|-----------|----------|-----|------------------|--------------|-----------------|--------------------|----------------|
| 4/8/2021<br>1110 | 8.31      | 97.1      | 23.2     | 7.5 | 0.2              | 0.4          | 0.4             | 175.1              | 0.08           |

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)      | X | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |  |                                             |                               | X            | Ice         | X       | H2SO4*   | X   | <2                    | 1            | C |
|                                    |   | Lot #                                                                       |  | SA0353110                                   |                               | Exp:         |             | 1/11/22 |          |     |                       |              |   |
| Metals (P-500ML)                   |   | W-ICPMS                                                                     |  | W-ICP                                       |                               |              | Ice         |         | HNO3*    |     | <2                    |              |   |
|                                    |   | Lot #                                                                       |  |                                             |                               | Exp:         |             |         |          |     |                       |              |   |
| Filtered Nutrients (P125ML)        | X | W-PO4-F                                                                     |  | X                                           | Field Filtered 0.45 um Filter |              | X           | Ice     |          |     |                       | 1            | C |
|                                    |   | Filter Lot #                                                                |  | 17101170                                    |                               |              |             |         |          |     |                       | 1            | C |
|                                    |   | Syringe Lot #                                                               |  | 118593                                      |                               |              |             |         |          |     |                       | 1            | C |
| Chlorophyll (BP-1L)                | X | CHLSUITE-W                                                                  |  |                                             |                               | X            | Ice         |         |          |     |                       |              |   |
| Physical/Aggregate (Fresh) (P-1L)  | X | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |  |                                             |                               | X            | Ice         |         |          |     |                       |              |   |
| Physical/Aggregate (Marine) (P-1L) |   | Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                              |  |                                             |                               |              | Ice         |         |          |     |                       |              |   |
| Macroinvertebrates (PJ-2L)         |   | MI-FW-QLDC                                                                  |  |                                             |                               |              | Ice         |         |          |     |                       |              |   |
| Periphyton (PT-50ML)               |   | ALGAE-ID                                                                    |  |                                             |                               |              | Ice         |         |          |     |                       |              |   |
| Microbiology (Contract Lab Bottle) |   | E Coli                                                                      |  | F Coli                                      |                               |              | Enterococci |         |          |     |                       |              |   |
|                                    |   | Contract Lab                                                                |  |                                             |                               |              |             |         |          |     |                       |              |   |
| Molecular (QPCR-P-500ML)           |   | PCR-HF183                                                                   |  | PCR-BacR                                    |                               |              | PCR-DG3     |         |          |     |                       |              |   |
|                                    |   | PCR-GULL2                                                                   |  | PCR-GFD                                     |                               |              |             |         |          |     |                       |              |   |
| Tracers (BG-500ML)                 |   | W-E8321-DI                                                                  |  | W-E8321-MS                                  |                               |              | Ice         |         |          |     |                       |              |   |
| Pesticides (BG-500ML) (BG-1L)      |   | W-E8321-DI                                                                  |  | W-E8321-MS                                  |                               |              | W-PSNP-TQ   |         | X        | Ice | 4                     | C            |   |
|                                    |   |                                                                             |  |                                             |                               | W-DIELDRIN   |             |         |          |     |                       |              |   |
|                                    |   | W-PCL-SQ-R                                                                  |  | W-CARB-AA ( 5 ml of MCAA** Buffer Solution) |                               | X            | W-CT-CL-R   |         |          |     |                       |              |   |
| Phytoplankton                      |   | DTY-QN-C                                                                    |  | PKD-QN-BV                                   |                               |              | Ice         |         |          |     |                       |              |   |

RQ-2021-04-05-62

Collected By: Chris Hormuth, William Mullen

**Sanders Laboratories**

**Report To: DEP-Overseer:**

BM to: Carina Tull

P.O. # LAB #039

Preservative: HCL  $\equiv$  H, HNO  $\equiv$  N No. 0

$$\text{H}_2\text{SO}_4 \rightleftharpoons \text{S}, \text{NaOH} \rightleftharpoons \text{SH}, \text{NH}_4\text{Cl} \rightleftharpoons \text{NH}_3$$

Phone 850-245-8085 239-470-0815

Fox

Sampled By (PRINT) William Wallen

**Sampler Signature**

|     |              |
|-----|--------------|
| Feb | Bill Spencer |
|-----|--------------|

|          |      |      |   |     |
|----------|------|------|---|-----|
| 17/02/10 | 1415 | 9526 | ✓ | Ice |
|----------|------|------|---|-----|

E. coli  
Enteroc  
Fecal

**Analysis Requested**

Requested Due Date:

Florida DEP South ROC

**Customer Type:**

Primer 1:  $100 \times 10^6$

Project #  
(Lab Use Only)

Shirley

Cell counts

Florida DEP South ROC

Samples are ambient water

Client Initials:

2021  
RQ-2019-04-05-62  
17

### Samples On

Yes No

William Miller / FDSB

700 (u.c.)

1050 Endeavor Ct, Nokomis, FL 34275-3623 (941) 488-8103 fax(941) 484-5174

10080 Bavaria Rd., Fort Myers, FL 33913 (239) 680-0337 fax (239) 680-0330  
Form #: RCF-02 Approved by: KS 7/11/2016

Form #: RCF-02 Approved by: KS 7/11/2016

Date of Request: 22-MAR-2021  
 Created By: HORMUTH\_C On: 22-MAR-2021  
 Modified By: JASROTIA\_P On: 23-MAR-2021  
 Customer: SO-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: South District  
 Event Description: 2021 SMP : Okee Canals

**Send Coolers To:**

Phone: 239-344-5718  
 FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33901-3381  
 Attn: Chris Hormuth  
 Cooler Ship EMail: Chris.Hormuth@FloridaDEP.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 23-MAR-2021  
 Biology Request Reviewed By: JASROTIA\_P On: 23-MAR-2021  
 Sampling Kit Required: YES Ship on: 26-MAR-2021  
 Sampling Kit Shipped: YES On: 25-MAR-2021  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 05-APR-2021  
 Logged In By: SHAIK\_A On: 12-APR-2021

**Send Final Report To:**

FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33901-3381  
 Attn: Chris Hormuth  
 Report Notification EMail:  
 Nicole.Reistad@FloridaDEP.gov;Kirby.Wolfe@dep.state.fl.us;Ga  
 ry.Snorek@dep.state.fl.us;William.Mullen@FloridaDEP.gov;Chris  
 .Hormuth@FloridaDEP.gov

Comments: Group A: (L-49) Freshwater Nutrients, E. coli, Tracers  
 Group B: (C-41A, Harney) Freshwater Nutrients, Tracers  
 Group C: (Indian Prairie) Freshwater Nutrients, W-CT-CI-R

**Bottle Group A (Water) With 1 Samples:**

|                                   |                      |                                                                                                              |
|-----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| ALKALINITY                        | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                   |
| TURBIDITY                         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC                           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR                           | Template: DEFAULT    | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |
| Color (true)                      |                      |                                                                                                              |
| W-F                               | Template: DEFAULT    | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)       |
| W-SO4-IC                          | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                  |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| Bottle Type: BP-1L                | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                        | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-250ML-WI-THI       | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| SD-SND-ECQ                        | Template: DEFAULT    | (Colilert-18) E. coli by Colilert-18/QT by Sanders in Fort Myers                                             |
| Bottle Type: BG-500ML             | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| W-E8321-DI                        | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |
| W-E8321-MS                        | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |
| Bottle Type: P-125ML              | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                   |
| W-PO4-F                           | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |

**Bottle Group B (Water) With 2 Samples:**

|                       |                   |                                                                                                              |                               |
|-----------------------|-------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------|
| Bottle Type: P-500ML  |                   | Number of Bottles: 2                                                                                         | Preserved With: ICE And H2SO4 |
| W-NH3                 | Template: DEFAULT | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |                               |
| W-NO2NO3              | Template: DEFAULT | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |                               |
| W-S-A-TP              | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |                               |
| W-TKN                 | Template: DEFAULT | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |                               |
| W-TOC                 | Template: DEFAULT | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |                               |
| Bottle Type: P-125ML  |                   | Number of Bottles: 2                                                                                         | Preserved With: FILTER-ICE    |
| W-PO4-F               | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |                               |
| Bottle Type: P-1L     |                   | Number of Bottles: 2                                                                                         | Preserved With: ICE           |
| ALKALINITY            | Template: DEFAULT | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                                |                               |
| TURBIDITY             | Template: DEFAULT | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |                               |
| W-CL-IC               | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |                               |
| W-COLOR               | Template: DEFAULT | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |                               |
| Color (true)          |                   |                                                                                                              |                               |
| W-F                   | Template: DEFAULT | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)       |                               |
| W-SO4-IC              | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |                               |
| W-TDS                 | Template: DEFAULT | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                  |                               |
| W-TSS                 | Template: DEFAULT | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |                               |
| Bottle Type: BP-1L    |                   | Number of Bottles: 2                                                                                         | Preserved With: ICE           |
| CHLSUITE-W            | Template: DEFAULT | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |                               |
| Bottle Type: BG-500ML |                   | Number of Bottles: 2                                                                                         | Preserved With: ICE           |
| W-E8321-DI            | Template: DEFAULT | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |                               |
| W-E8321-MS            | Template: DEFAULT | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |                               |

**Bottle Group C (Water) With 1 Samples:**

|                       |                   |                                                                                                              |                               |
|-----------------------|-------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------|
| Bottle Type: P-1L     |                   | Number of Bottles: 1                                                                                         | Preserved With: ICE           |
| ALKALINITY            | Template: DEFAULT | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                                |                               |
| TURBIDITY             | Template: DEFAULT | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |                               |
| W-CL-IC               | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |                               |
| W-COLOR               | Template: DEFAULT | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |                               |
| Color (true)          |                   |                                                                                                              |                               |
| W-F                   | Template: DEFAULT | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)       |                               |
| W-SO4-IC              | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |                               |
| W-TDS                 | Template: DEFAULT | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                  |                               |
| W-TSS                 | Template: DEFAULT | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |                               |
| Bottle Type: BP-1L    |                   | Number of Bottles: 1                                                                                         | Preserved With: ICE           |
| CHLSUITE-W            | Template: DEFAULT | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |                               |
| Bottle Type: BG-500ML |                   | Number of Bottles: 4                                                                                         | Preserved With: ICE           |
| W-CT-CI-R             | Template: DEFAULT | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization            |                               |
| Bottle Type: P-500ML  |                   | Number of Bottles: 1                                                                                         | Preserved With: ICE And H2SO4 |
| W-NH3                 | Template: DEFAULT | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |                               |
| W-NO2NO3              | Template: DEFAULT | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |                               |
| W-S-A-TP              | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |                               |
| W-TKN                 | Template: DEFAULT | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |                               |
| W-TOC                 | Template: DEFAULT | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |                               |
| Bottle Type: P-125ML  |                   | Number of Bottles: 1                                                                                         | Preserved With: FILTER-ICE    |
| W-PO4-F               | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |                               |