

# Login Checklist

RQ- 2023 - 02 - 27 - 31

Login Station ID: # 2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 03/03/2023 / 10:40

| *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 |                    |
| 1.8C                |                 |                                        |          | 9                                     |               | X  |          |    | 5859 4733 4024     |
| 2.8C                |                 |                                        |          | 9                                     |               | X  |          |    | 5859 4733 4013     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO3 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 x

## 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: 03/03/2023 Event contains NCRs(Y/N)? N

EventID: SO - DIST - 2023 - 03 - 03 - 0

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Infrared Thermometer ID: | IRTG # 2 EXP:10/17/2023                       |
| pH Test Strips 0 – 6     | LOT#223819AV EXP:8/30/23                      |
| pH Paper 0 – 3           | N/A                                           |
| pH Paper 0 – 13          | LOT#207621 EXP:3/15/2024                      |
| Chlorine Test Strips     | 0129 03 / abs/03/01/2023<br>0070 / 2023 / 01/ |

### 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# \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 3/2/2023 **Collected By:** Monica Jaeger, William Mullen  
**Customer:** SO-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2023-02-27-31 **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                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------|
| CharlieCreekUpstrmHWY17        | <br>G3SD0237      |
| HOG BAY @ CR 763               | <br>G3SD0096      |
| Joshua Creek above Peace River | <br>G3SD0159    |
| JoshuaCreek@AirportAve         | <br>G3SD0184    |
| Hawthorne Creek @ Reynolds St. | <br>G3SD0011    |
| FB                             | <br>FB_03022023 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 3/2/2023 1500  
EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

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

**Rec'd/Inspected**  
**Date:** 03/03/2023



|                  |                                                         |
|------------------|---------------------------------------------------------|
| RQ-2023-02-27-31 | Collected By: Monica Jaeger, William Mullen             |
| Customer: FDEP   | Field Report Prepared by: Monica Jaeger, William Mullen |
| Project ID: SMP  | Sampling Agency: FDEP                                   |

WIN ID/Field ID:   
WIN ID/Field ID: G3SD0237

Comments:

Location: CharlieCreekUpstrmHWY17

Matrix: Fresh

(Check One)

☒ Grab

☐ Composite

| Date and Time {EST}                | DO (mg/L)                                                                   | DO (%SAT)                         | Temp. °C                                 | pH          | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH) |                       |              |
|------------------------------------|-----------------------------------------------------------------------------|-----------------------------------|------------------------------------------|-------------|------------------|--------------|-----------------|---------------------|-----------------|-----------------------|--------------|
| 3/2/2023 910                       | 6.77                                                                        | 77.7                              | 22                                       | 6.56        | 0.15             | 0.3          | 0.3             | 303.2               | 0.14            |                       |              |
| Parameter Suite                    |                                                                             | Parameter Methods                 |                                          |             |                  | Preservation |                 | pH Check            |                 | # Bottles sent to Lab | Bottle Group |
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                   |                                          |             |                  | Ice          | H2SO4*          | <2                  |                 |                       |              |
|                                    | Lot #                                                                       |                                   | Exp:                                     |             |                  |              |                 |                     |                 |                       |              |
| Metals (P-500ML)                   | W-ICPMS                                                                     |                                   | W-ICP                                    | W-HARD      | Ice              | HNO3*        | <2              |                     |                 |                       |              |
|                                    | Lot #                                                                       |                                   | Exp:                                     |             |                  |              |                 |                     |                 |                       |              |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                     |                                   | Field Filtered 0.45 um Filter            |             |                  | Ice          |                 |                     |                 |                       |              |
|                                    | Filter Lot #                                                                |                                   | Syringe Lot #                            |             |                  |              |                 |                     |                 |                       |              |
| BOD (BP-1L)                        | OV-BODUNIN                                                                  |                                   |                                          |             |                  | Ice          |                 |                     |                 |                       |              |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                  |                                   |                                          |             |                  | Ice          |                 |                     |                 |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-D-IC / W-COLOR / W-SO4-IC / W- TDS |                                   |                                          |             |                  | Ice          |                 |                     |                 |                       |              |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                   |                                          |             |                  | Ice          |                 |                     |                 |                       |              |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                  | Formalin Lot #                    |                                          |             | Formalin         |              |                 |                     |                 |                       |              |
| 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                   | A               |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                  |                                   | W-E8321-MS                               |             | Ice              | MCAA Exp.    | MCAA Lot#       |                     |                 |                       |              |
|                                    | W-PCL-TQ-R                                                                  |                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) |             |                  |              |                 |                     |                 |                       |              |
|                                    | W-TR-SQ-R                                                                   |                                   | W-PCB-TQ-R                               |             |                  |              |                 |                     |                 |                       |              |
| Phytoplankton                      | DTY-QN-C                                                                    |                                   | PKD-QN-BV                                |             |                  | Ice          |                 |                     |                 |                       |              |
| DOC                                | W-DOC                                                                       | Field Filtered 0.45 um Filter     |                                          |             | Ice              | H2SO4*       | <2              |                     |                 |                       |              |
|                                    |                                                                             | Acid Preservative Expiration Date |                                          |             |                  |              |                 |                     |                 |                       |              |
|                                    |                                                                             | Acid Preservative Lot Number      |                                          |             |                  |              |                 |                     |                 |                       |              |



|                  |                                                         |
|------------------|---------------------------------------------------------|
| RQ-2023-02-27-31 | Collected By: Monica Jaeger, William Mullen             |
| Customer: FDEP   | Field Report Prepared by: Monica Jaeger, William Mullen |
| Project ID: SMP  | Sampling Agency: FDEP                                   |

WIN ID/Field ID:



WIN ID/Field ID: G3SD0096

Comments:

Location: HOG BAY @ CR 763

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L)                                                                    | DO (%SAT)  | Temp. °C                                 | pH         | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm)    | Salinity (PPT) |  |  |  |
|------------------------------------|------------------------------------------------------------------------------|------------|------------------------------------------|------------|------------------|--------------|-----------------|-----------------------|----------------|--|--|--|
| 3/2/2023<br>1000                   | 6.69                                                                         | 74.2       | 20.2                                     | 7.52       | 0.15             | 0.3          | 0.3             | 958                   | 0.47           |  |  |  |
| Parameter Suite                    | Parameter Methods                                                            |            |                                          |            | Preservation     |              | pH Check        | # Bottles sent to Lab | Bottle Group   |  |  |  |
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |            |                                          |            | Ice              | H2SO4*       | <2              |                       |                |  |  |  |
|                                    | Lot #                                                                        |            | Exp:                                     |            |                  |              |                 |                       |                |  |  |  |
| Metals (P-500ML)                   | W-ICPMS / W-ICP / W-HARD                                                     |            |                                          |            | Ice              | HNO3*        |                 |                       |                |  |  |  |
|                                    | Lot #                                                                        |            | Exp:                                     |            |                  |              |                 |                       |                |  |  |  |
| Filtered Nutrients (P125ML)        | W-PO4-F / Field Filtered 0.45 µm Filter                                      |            |                                          |            | Ice              |              |                 |                       |                |  |  |  |
|                                    | Filter Lot #                                                                 |            | Syringe Lot #                            |            |                  |              |                 |                       |                |  |  |  |
| BOD (BP-1L)                        | OV-BODUNIN                                                                   |            |                                          |            | Ice              |              |                 |                       |                |  |  |  |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                   |            |                                          |            | Ice              |              |                 |                       |                |  |  |  |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS |            |                                          |            | Ice              |              |                 |                       |                |  |  |  |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                         |            |                                          |            | Ice              |              |                 |                       |                |  |  |  |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC / Formalin Lot #                                                  |            |                                          |            | Formalin         |              |                 |                       |                |  |  |  |
| 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                     | A              |  |  |  |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                   |            | W-E8321-MS                               |            | W-PSNP-TQ        |              | MCAA Exp.       | MCAA Lot#             |                |  |  |  |
|                                    | W-PCL-TQ-R                                                                   |            | W-CARB-AA (5 ml of MCAA Buffer Solution) |            | W-CT-CL-R        |              | Ice             |                       |                |  |  |  |
|                                    | W-TR-SQ-R                                                                    |            | W-PCB-TQ-R                               |            |                  |              |                 |                       |                |  |  |  |
| Phytoplankton                      | DTY-QN-C                                                                     |            | PKD-QN-BV                                |            | Ice              |              |                 |                       |                |  |  |  |
| DOC                                | W-DOC                                                                        |            | Field Filtered 0.45 µm Filter            |            | Ice              | H2SO4*       | <2              |                       |                |  |  |  |
|                                    |                                                                              |            | Acid Preservative Expiration Date        |            |                  |              |                 |                       |                |  |  |  |
|                                    |                                                                              |            | Acid Preservative Lot Number             |            |                  |              |                 |                       |                |  |  |  |



|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| RQ-2023-02-27-31                                                                                                                | Collected By: Monica Jaeger, William Mullen                        |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Monica Jaeger, William Mullen            |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G3SD0159 | Comments: Microbiology sample(s) submitted to contract laboratory. |

Location: Joshua Creek above Peace River

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L)                                                                    | DO (%SAT)     | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm)    | Salinity (PPTH) |   |   |
|------------------------------------|------------------------------------------------------------------------------|---------------|----------|------|------------------|--------------|-----------------|-----------------------|-----------------|---|---|
| 3/2/2023<br>1025                   | 8.52                                                                         | 95.8          | 21       | 7.73 | 0.15             | 0.3          | 0.3             | 883                   | 0.43            |   |   |
| Parameter Suite                    | Parameter Methods                                                            |               |          |      | Preservation     |              | pH Check        | # Bottles sent to Lab | Bottle Group    |   |   |
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |               |          |      | Ice              | H2SO4*       | <2              |                       |                 |   |   |
|                                    | Lot #                                                                        |               | Exp:     |      |                  |              |                 |                       |                 |   |   |
| Metals (P-500ML)                   | W-ICPMS / W-ICP / W-HARD                                                     |               |          |      | Ice              | HNO3*        | <2              |                       |                 |   |   |
|                                    | Lot #                                                                        |               | Exp:     |      |                  |              |                 |                       |                 |   |   |
| Filtered Nutrients (P125ML)        | W-PO4-F / Field Filtered 0.45 µm Filter                                      |               |          |      | Ice              |              |                 |                       |                 |   |   |
|                                    | Filter Lot #                                                                 | Syringe Lot # |          |      |                  |              |                 |                       |                 |   |   |
| BOD (BP-1L)                        | OV-BODUNIN                                                                   |               |          |      | Ice              |              |                 |                       |                 |   |   |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                   |               |          |      | Ice              |              |                 |                       |                 |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W- TDS |               |          |      | Ice              |              |                 |                       |                 |   |   |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                         |               |          |      | Ice              |              |                 |                       |                 |   |   |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC / Formalin Lot #                                                  |               |          |      | Formalin         |              |                 |                       |                 |   |   |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                     |               |          |      | Ice              |              |                 |                       |                 |   |   |
| Microbiology (Contract Lab Bottle) | X E Coli / F Coli / Enterococci                                              |               |          |      | X Ice            |              |                 |                       |                 | 1 | C |
|                                    | X Contract Lab                                                               |               |          |      |                  |              |                 |                       |                 |   |   |
| Molecular (QPCR-P-500ML)           | X PCR-HF183 / X PCR-BacR / X PCR-DG3                                         |               |          |      | X Ice            |              | 1               | C                     |                 |   |   |
|                                    | PCR-GULL2 / PCR-GFD                                                          |               |          |      |                  |              |                 |                       |                 |   |   |
| Tracers (BG-500ML)                 | X W-E8321-DI / X W-E8321-MS                                                  |               |          |      | X Ice            |              | 1               | C                     |                 |   |   |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI / W-E8321-MS / W-PSNP-TQ                                          |               |          |      | X Ice            | MCAA Exp.    | MCAA Lot#       | 4                     | C               |   |   |
|                                    | X W-PCL-TQ-R / W-CARB-AA (5 ml of MCAA Buffer Solution) / X W-CT-CL-R        |               |          |      |                  |              |                 |                       |                 |   |   |
|                                    | W-TR-SQ-R / X W-PCB-TQ-R                                                     |               |          |      |                  |              |                 |                       |                 |   |   |
| Phytoplankton                      | DTY-QN-C / PKD-QN-BV                                                         |               |          |      | Ice              |              |                 |                       |                 |   |   |
| DOC                                | W-DOC / Field Filtered 0.45 µm Filter                                        |               |          |      | Ice              | H2SO4*       | <2              |                       |                 |   |   |
|                                    | Acid Preservative Expiration Date                                            |               |          |      |                  |              |                 |                       |                 |   |   |
|                                    | Acid Preservative Lot Number                                                 |               |          |      |                  |              |                 |                       |                 |   |   |



|                  |                                                         |
|------------------|---------------------------------------------------------|
| RQ-2023-02-27-31 | Collected By: Monica Jaeger, William Mullen             |
| Customer: FDEP   | Field Report Prepared by: Monica Jaeger, William Mullen |
| Project ID: SMP  | Sampling Agency: FDEP                                   |

WIN ID/Field ID:



WIN ID/Field ID: G3SD0184

Comments: Microbiology sample(s) submitted to contract laboratory.

Location: JoshuaCreek@AirportAve

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 3/2/2023<br>940     | 7.91      | 88.2      | 20.3     | 6.95 | 0.3              | 0.9          | 0.9             | 770                 | 0.38            |

| Parameter Suite                    | Parameter Methods                                                            |                                   | Preservation  | pH Check  | # Bottles sent to Lab | Bottle Group |
|------------------------------------|------------------------------------------------------------------------------|-----------------------------------|---------------|-----------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                                   | Ice    H2SO4* | <2        |                       |              |
|                                    | Lot #                                                                        | Exp:                              |               |           |                       |              |
| Metals (P-500ML)                   | W-ICPMS    W-ICP    W-HARD                                                   |                                   | Ice    HNO3*  | <2        |                       |              |
|                                    | Lot #                                                                        | Exp:                              |               |           |                       |              |
| Filtered Nutrients (P125ML)        | W-PO4-F    Field Filtered 0.45 um Filter                                     |                                   | Ice           |           |                       |              |
|                                    | Filter Lot #                                                                 | Syringe Lot #                     |               |           |                       |              |
| BOD (BP-1L)                        | OV-BODUNIN                                                                   |                                   | Ice           |           |                       |              |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                   |                                   | Ice           |           |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |                                   | Ice           |           |                       |              |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                   | Ice           |           |                       |              |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                   | Formalin Lot #                    | Formalin      |           |                       |              |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                     |                                   | Ice           |           |                       |              |
| Microbiology (Contract Lab Bottle) | X E Coli    F Coli    Enterococci                                            |                                   | x Ice         |           | 1                     | B            |
|                                    | X Contract Lab                                                               |                                   |               |           |                       |              |
| Molecular (QPCR-P-500ML)           | PCR-HF183    PCR-BacR    PCR-DG3                                             |                                   | Ice           |           |                       |              |
|                                    | 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                                        |                                   | Ice           | MCAA Exp. | MCAA Lot#             |              |
|                                    | W-PCL-TQ-R    W-CARB-AA (5 ml of MCAA Buffer Solution)    W-CT-CL-R          |                                   |               |           |                       |              |
|                                    | W-TR-SQ-R    W-PCB-TQ-R                                                      |                                   |               |           |                       |              |
| Phytoplankton                      | DTY-QN-C    PKD-QN-BV                                                        |                                   | Ice           |           |                       |              |
| DOC                                | W-DOC                                                                        | Field Filtered 0.45 um Filter     | Ice    H2SO4* | <2        |                       |              |
|                                    |                                                                              | Acid Preservative Expiration Date |               |           |                       |              |
|                                    |                                                                              | Acid Preservative Lot Number      |               |           |                       |              |



RQ-2023-02-27-31

Collected By: Monica Jaeger, William Mullen

Customer: FDEP

Field Report Prepared by: Monica Jaeger, William Mullen

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G3SD0011

Comments: Microbiology sample(s) submitted to contract laboratory.

Location: Hawthorne Creek @ Reynolds St.

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPTH) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|-----------------|
| 3/2/2023<br>1050    | 7.78      | 87.4      | 20.9     | 7.71 | 0.3              | 0.6          | 0.6             | 1098               | 0.55            |

| 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     | D |    |   |   |
|                                    |                   | Lot #                                                                       | SA2299040                                | Exp: | 11/4/23                       |           |             |           |                       |              |       |   |    |   |   |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                     |                                          | X    | W-ICP                         | X         | W-HARD      | X         | Ice                   | X            | HNO3* | X | <2 | 1 | D |
|                                    |                   | Lot #                                                                       | NA1105100                                |      | Exp:                          | 6/7/22    |             |           |                       |              |       |   |    |   |   |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                     |                                          |      | Field Filtered 0.45 µm Filter |           |             |           | Ice                   |              |       |   |    |   |   |
|                                    |                   | Filter Lot #                                                                |                                          |      | Syringe Lot #                 |           |             |           |                       |              |       |   |    |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                  |                                          |      |                               |           | Ice         |           |                       |              |       |   |    |   |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                  |                                          |      |                               | X         | Ice         |           |                       | 1            |       | D |    |   |   |
| 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            |       | D |    |   |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |      |                               |           | Ice         |           |                       |              |       |   |    |   |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                  | Formalin Lot #                           |      |                               |           | Formalin    |           |                       |              |       |   |    |   |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                    |                                          |      |                               |           | Ice         |           |                       |              |       |   |    |   |   |
| Microbiology (Contract Lab Bottle) | X                 | E Coli                                                                      |                                          |      | F Coli                        |           | Enterococci | X         | Ice                   | 1            | D     |   |    |   |   |
|                                    | X                 | Contract Lab                                                                |                                          |      |                               |           |             |           |                       |              |       |   |    |   |   |
| Molecular (QPCR-P-500ML)           | X                 | PCR-HF183                                                                   |                                          | X    | PCR-BacR                      | X         | PCR-DG3     | X         | Ice                   | 1            | D     |   |    |   |   |
|                                    |                   | PCR-GULL2                                                                   |                                          |      | PCR-GFD                       |           |             |           |                       |              |       |   |    |   |   |
| Tracers (BG-500ML)                 | X                 | W-E8321-DI                                                                  |                                          | X    | W-E8321-MS                    |           | X           | Ice       |                       | 1            | D     |   |    |   |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                  | W-E8321-MS                               |      |                               | W-PSNP-TQ | Ice         | MCAA Exp. | MCAA Lot#             |              |       |   |    |   |   |
|                                    |                   | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) |      |                               | W-CT-CL-R |             |           |                       |              |       |   |    |   |   |
|                                    |                   | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |      |                               |           |             |           |                       |              |       |   |    |   |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                    |                                          |      | PKD-QN-BV                     |           | Ice         |           |                       |              |       |   |    |   |   |
| DOC                                |                   | W-DOC                                                                       |                                          |      | Field Filtered 0.45 µm Filter |           | Ice         |           | H2SO4*                | <2           |       |   |    |   |   |
|                                    |                   | Acid Preservative Expiration Date                                           |                                          |      |                               |           |             |           |                       |              |       |   |    |   |   |
|                                    |                   | Acid Preservative Lot Number                                                |                                          |      |                               |           |             |           |                       |              |       |   |    |   |   |

**WIN ID/Field ID:**

WIN ID/Field ID: FB 03022023

**Comments:** Microbiology sample(s) submitted to contract laboratory.

**Location:** FB

Matrix: W-FIELD-BLANK

(Check One)

✓ Grab

☐ Composite

| Date and Time {EST}                | DO (mg/L) | DO (%SAT)                                                                    | Temp. °C                          | pH                                       | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH) |                       |              |   |    |   |   |
|------------------------------------|-----------|------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|------------------|--------------|-----------------|---------------------|-----------------|-----------------------|--------------|---|----|---|---|
| 3/2/2023<br>1105                   |           |                                                                              |                                   |                                          |                  |              |                 |                     |                 |                       |              |   |    |   |   |
| 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 | E  |   |   |
|                                    |           | Lot #                                                                        |                                   | SA2299040                                |                  | Exp:         | 11/4/23         |                     |                 |                       |              |   |    |   |   |
| Metals (P-500ML)                   | x         | W-ICPMS                                                                      |                                   | X                                        | W-ICP            | X            | W-HARD          | X                   | Ice             | X                     | HNO3*        | X | <2 | 1 | E |
|                                    |           | Lot #                                                                        |                                   | NA1105100                                |                  | Exp:         | 6/7/22          |                     |                 |                       |              |   |    |   |   |
| Filtered Nutrients (P125ML)        |           | W-PO4-F                                                                      |                                   | Field Filtered 0.45 µm Filter            |                  |              |                 | Ice                 |                 |                       |              |   |    |   |   |
|                                    |           | Filter Lot #                                                                 |                                   | Syringe Lot #                            |                  |              |                 |                     |                 |                       |              |   |    |   |   |
| BOD (BP-1L)                        |           | OV-BODUNIN                                                                   |                                   |                                          |                  |              | Ice             |                     |                 |                       |              |   |    |   |   |
| Chlorophyll (BP-1L)                |           | CHLSUITE-W                                                                   |                                   |                                          |                  |              | 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             |                     | 1               |                       |              |   |    | E |   |
| Physical/Aggregate (Marine) (P-1L) |           | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                   |                                          |                  |              | Ice             |                     |                 |                       |              |   |    |   |   |
| Macroinvertebrates (PJ-2L)         |           | MI-FW-QLDC                                                                   | Formalin Lot #                    |                                          |                  |              | Formalin        |                     |                 |                       |              |   |    |   |   |
| 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 | E |
| Pesticides (BG-500ML) (BG-1L)      |           | W-E8321-DI                                                                   |                                   | W-E8321-MS                               |                  |              | W-PSNP-TQ       | Ice                 | MCAA Exp.       | MCAA Lot#             |              |   |    |   |   |
|                                    |           | W-PCL-TQ-R                                                                   |                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) |                  |              | W-CT-CL-R       |                     |                 |                       |              |   |    |   |   |
|                                    |           | W-TR-SQ-R                                                                    |                                   |                                          | W-PCB-TQ-R       |              |                 |                     |                 |                       |              |   |    |   |   |
| Phytoplankton                      |           | DTY-QN-C                                                                     |                                   |                                          | PKD-QN-BV        |              |                 |                     | Ice             |                       |              |   |    |   |   |
| DOC                                |           | W-DOC                                                                        |                                   | Field Filtered 0.45 µm Filter            |                  |              |                 | Ice                 |                 | H2SO4*                | <2           |   |    |   |   |
|                                    |           |                                                                              | Acid Preservative Expiration Date |                                          |                  |              |                 |                     |                 |                       |              |   |    |   |   |
|                                    |           |                                                                              | Acid Preservative Lot Number      |                                          |                  |              |                 |                     |                 |                       |              |   |    |   |   |

2023-02-27-31

COO EFFS

Project Run/Location: SNF / Stadium Arcadia

Station  
ID

Surface Water  
Sample Matrix:  
(Fresh / Marine)  
Sample Type

Enterococci  
E.coli (SM9223B Quantitray)

Laboratory Submission #:

523030059

Laboratory  
Sample #:

E.Coli = 250 mL ; Entero = 120 mL ; Fecal Coliform = 120 mL

G3SD 0159

3SD 0611

F. D. M. Grant

M  
Gira

F M Gra

*E. coli* / *Enter* / *F. coli*

E.coli / Entero / F.coli

E.coli / Entero / F.coli

DATE TIME: 3/2/25

Date &amp; Time: 5/2/15

Mail Date & Time: 3/2/23

990

1025

1050

+

2/2

C

[illegible]

\*Sample Type\* is used to indicate whether the sample was a group (G) or whether it was a composite (C).

"Sample Matrix" is used to indicate the sample is being discarded to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SMT), or sewage (SLW). "Container Type" is used to indicate whether the container is plastic (P) or glass (G).

Sample must be refrigerated or stored in ice after collection. The maximum temperature during storage should be 0–4 °C.

It is highly recommended that all specimens be placed in a plastic bag with a label that contains the following information: name of the collector, date and time of collection, number of individuals, and any other relevant information. The label should be attached to the bag with a rubber band or string. The bag should be sealed and labeled with the name of the collector. The bag should be placed in a cooler with ice packs and transported to the laboratory as soon as possible. The bag should be opened and the specimens removed and placed in a container with a label that contains the same information as the bag label. The container should be sealed and labeled with the name of the collector. The container should be placed in a cooler with ice packs and transported to the laboratory as soon as possible. The container should be opened and the specimens removed and placed in a container with a label that contains the same information as the bag label. The container should be sealed and labeled with the name of the collector. The container should be placed in a cooler with ice packs and transported to the laboratory as soon as possible.

responsible for documentation of the sampling etc. Please note special sampling events on identifiable custody form.

1206  
Date: 2/23  
Time: 1206  
Received By: [Signature]  
Dated: 3/2/23  
Init: 1206

[illegible][illegible]

|              |       |              |       |
|--------------|-------|--------------|-------|
| Disputed by: | Date: | Received By: | Date: |
|              |       |              |       |

[illegible][illegible]

|            |       |       |              |       |       |
|------------|-------|-------|--------------|-------|-------|
| Issued by: | Date: | Time: | Received By: | Date: | Time: |
|            |       |       |              |       |       |

BEAS Sample Receipt Temp. 5.4 °C

Checked at Benchmark EA South E85086  
With Temperature Gun ID #7

Date of Request: 06-FEB-2023  
 Created By: MULLEN\_W On: 06-FEB-2023  
 Modified By: KLUG\_K On: 20-FEB-2023  
 Customer: SO-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: South District  
 Event Description: 2023 SMP: Stadium Arcadia

**Send Coolers To:**

Phone: 239-344-5716  
 FLDEP South District Office  
 2295 Victoria Ave. Suite 314  
 Fort Myers, FL 33901-3381  
 Attn: William Mullen  
 Cooler Ship EMail: William.Mullen@FloridaDEP.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: KLUG\_K On: 20-FEB-2023  
 Biology Request Reviewed By: KLUG\_K On: 20-FEB-2023  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped: YES On: 13-FEB-2023  
 Sampling Kit Packed By: KREUCH\_B  
 Preservatives Needed: NO  
 Date to Receive Samples: 02-MAR-2023  
 Logged In By: SHAIK\_A On: 03-MAR-2023

**Send Final Report To:**

FLDEP South District Office  
 2295 Victoria Ave. Suite 314  
 Fort Myers, FL 33901-3381  
 Attn: William Mullen  
 Report Notification EMail:  
 Nicole.Reistad@FloridaDEP.gov; John.Barrington@FloridaDEP.gov;  
 William.Mullen@FloridaDEP.gov; Monica.Jaeger@FloridaDEP.gov

Comments: Group A: (Charlie Creek, Hog Bay) Tracers  
 Group B: (Joshua) E.coli  
 Group C: (Josh Above Peace) E. coli, PCR, Tracers, W-CT-CI-R/W-PCL-TQ-R/W-PCB-TQ-R  
 Group D: (Hawthorne) Fresh Nutrients, fresh Metals, E. coli, PCR, Tracers  
 Group E: Nutrients BLANK, Metals BLANK, Tracers BLANK

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

|                       |                      |                                                                                         |
|-----------------------|----------------------|-----------------------------------------------------------------------------------------|
| 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: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |

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

|                             |                      |                                                                         |
|-----------------------------|----------------------|-------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                     |
| SD-BES-ECQ                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) E. coli by Colilert/QT by BEA South in North Port |

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

|                           |                      |                                                                                                                                               |
|---------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| PCR-BACR                  | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-DG3                   | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction      |
| PCR-HF183                 | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction     |

|                             |                      |                                                                         |
|-----------------------------|----------------------|-------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                     |
| SD-BES-ECQ                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) E. coli by Colilert/QT by BEA South in North Port |

|                               |                      |                                                                                                 |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML FILL TO | Number of Bottles: 4 | Preserved With: ICE                                                                             |
| W-CT-CI-R                     | Template: DEFAULT    | (EPA 8276) Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization |
| W-PCB-TQ-R                    | Template: DEFAULT    | (EPA 8270E) PCBs in water matrices by GC/MS/MS                                                  |
| W-PCL-TQ-R                    | Template:            | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS    |

|                       |                      |                                                                                         |
|-----------------------|----------------------|-----------------------------------------------------------------------------------------|
| 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: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |

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

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

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| SD-BES-ECQ                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) E. coli by Colilert/QT by BEA South in North Port                                                                        |
| 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: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-HARD                      | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| Hardness                    |                      |                                                                                                                                                |
| W-ICP                       | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium                     |                      |                                                                                                                                                |
| Iron                        |                      |                                                                                                                                                |
| Magnesium                   |                      |                                                                                                                                                |
| Potassium                   |                      |                                                                                                                                                |
| Sodium                      |                      |                                                                                                                                                |
| Strontium                   |                      |                                                                                                                                                |
| Tin                         |                      |                                                                                                                                                |
| Titanium                    |                      |                                                                                                                                                |
| Vanadium                    |                      |                                                                                                                                                |
| Zinc                        |                      |                                                                                                                                                |
| W-ICPMS                     | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum                    |                      |                                                                                                                                                |
| Antimony                    |                      |                                                                                                                                                |
| Arsenic                     |                      |                                                                                                                                                |
| Barium                      |                      |                                                                                                                                                |
| Beryllium                   |                      |                                                                                                                                                |
| Boron                       |                      |                                                                                                                                                |
| Cadmium                     |                      |                                                                                                                                                |
| Chromium                    |                      |                                                                                                                                                |
| Cobalt                      |                      |                                                                                                                                                |
| Copper                      |                      |                                                                                                                                                |
| Lead                        |                      |                                                                                                                                                |
| Manganese                   |                      |                                                                                                                                                |
| Molybdenum                  |                      |                                                                                                                                                |
| Nickel                      |                      |                                                                                                                                                |
| Selenium                    |                      |                                                                                                                                                |
| Silver                      |                      |                                                                                                                                                |
| Thallium                    |                      |                                                                                                                                                |
| 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-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    | (DEP SOP: NU-094-1) 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-2015) Total Dissolved Solids in aqueous matrices                                                                                    |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2015) 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: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |

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

|                           |                      |                                                                                                                                               |
|---------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| PCR-BACR                  | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-DG3                   | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction      |
| PCR-HF183                 | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction     |

**Bottle Group E (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    | (DEP SOP: NU-094-1) 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-SO <sub>4</sub> -IC | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                        |
| W-TDS                 | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample         |

|                       |                      |                                                                                         |
|-----------------------|----------------------|-----------------------------------------------------------------------------------------|
| 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: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-ICP                | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |

Calcium  
Iron  
Magnesium  
Potassium  
Sodium  
Strontium  
Tin  
Titanium  
Vanadium  
Zinc

|         |                   |                                                                                                                             |
|---------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| W-ICPMS | Template: DEFAULT | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
|---------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|

Aluminum  
Antimony  
Arsenic  
Barium  
Beryllium  
Boron  
Cadmium  
Chromium  
Cobalt  
Copper  
Lead  
Manganese  
Molybdenum  
Nickel  
Selenium  
Silver  
Thallium

|                                   |                      |                                                                     |
|-----------------------------------|----------------------|---------------------------------------------------------------------|
| 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    |

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\* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.