

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 6/17/2024  
**Customer:** SE-DIST  
**RQ:** RQ-2024-05-06-31

**Collected By:** Natalie Howard, Andrew Luering  
**Sampling Agency:** FDEP  
**Project ID:** SMP

**EDD file path:** [https://floridadep.sharepoint.com/dear/Sample%20Receiving/2024/2024-05-06-31\\_SE-DIST\\_COC\\_EDD\\_2024\\_06\\_17.txt](https://floridadep.sharepoint.com/dear/Sample%20Receiving/2024/2024-05-06-31_SE-DIST_COC_EDD_2024_06_17.txt)

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

**Number of Coolers Shipped:** 1

**Delivery Method:** FedEx

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

| Site Location                  | Field ID/WIN ID                                                                                  |
|--------------------------------|--------------------------------------------------------------------------------------------------|
| COWBONE CREEK NEAR QUAIL CREEK | <br>G5SE0148   |
| GOMEZ CREEK NORTH AT 441       | <br>G3SE0046   |
| OTTER CREEK AT 441             | <br>G1SE0007 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 6/17/2024

1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:**

**Rec'd/Inspected**

**Date:**



|                                                             |                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------|
| RQ-2024-05-06-31                                            | <b>Collected By:</b> Natalie Howard, Andrew Luering             |
| <b>Customer:</b> FDEP                                       | <b>Field Report Prepared by:</b> Natalie Howard, Andrew Luering |
| <b>Project ID:</b> SMP                                      | <b>Sampling Agency:</b> FDEP                                    |
| <b>WIN ID/Field ID:</b><br><b>WIN ID/Field ID:</b> G5SE0148 | <b>Comments:</b>                                                |

**Location:** COWBONE CREEK NEAR QUAIL CREEK

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)        |              |    |   |  |
|------------------------------------|-----------------------------------|----------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|----|---|--|
| 6/17/2024<br>840                   | 4.5                               | 54.9                                                                       | 24.9                                     | 7.45                          | 0.3              | 0.6          | 0.6             | 493                 | 0.24                  |              |    |   |  |
| 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 #                                                                      |                                          | SA3340020                     | Exp:             | 12/11/2024   |                 |                     |                       |              |    |   |  |
| 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)                | X                                 | CHLSUITE-W                                                                 |                                          |                               |                  | X            | Ice             |                     |                       | 1            | A  |   |  |
| Physical/Aggregate (Fresh) (P-1L)  | X                                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W- TDS |                                          |                               |                  | X            | Ice             |                     |                       | 1            | A  |   |  |
| 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            | A  |   |  |
|                                    |                                   | Contract Lab                                                               |                                          |                               |                  |              |                 |                     |                       |              |    |   |  |
| Molecular (QPCR-P-500ML)           | X                                 | PCR-HF183                                                                  | X                                        | PCR-BacR                      | X                | PCR-DG3      | X               | Ice                 |                       | 1            | A  |   |  |
|                                    |                                   | 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          | 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 (BP-1L)              |                                   | DTY-QN-C                                                                   | PKD-QN-BV                                |                               |                  | Ice          |                 |                     |                       |              |    |   |  |
| DOC (P-500ML)                      |                                   | W-DOC                                                                      | Field Filtered 0.45 µm Filter            |                               |                  | Ice          |                 | H2SO 4*             |                       | <2           |    |   |  |
|                                    | Acid Preservative Expiration Date |                                                                            |                                          |                               |                  |              |                 |                     |                       |              |    |   |  |
|                                    | Acid Preservative Lot Number      |                                                                            |                                          |                               |                  |              |                 |                     |                       |              |    |   |  |



|                                                             |                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------|
| RQ-2024-05-06-31                                            | <b>Collected By:</b> Natalie Howard, Andrew Luering             |
| <b>Customer:</b> FDEP                                       | <b>Field Report Prepared by:</b> Natalie Howard, Andrew Luering |
| <b>Project ID:</b> SMP                                      | <b>Sampling Agency:</b> FDEP                                    |
| <b>WIN ID/Field ID:</b><br><b>WIN ID/Field ID:</b> G3SE0046 | <b>Comments:</b>                                                |

**Location:** GOMEZ CREEK NORTH AT 441

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)        |              |    |   |  |
|------------------------------------|-----------------------------------|----------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|----|---|--|
| 6/17/2024<br>900                   | 1.06                              | 14.5                                                                       | 26.4                                     | 6.47                          | 0.1              | 0.2          | 0.2             | 162.7               | 0.08                  |              |    |   |  |
| 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 #                                                                      |                                          | SA3340020                     | Exp:             | 12/11/2024   |                 |                     |                       |              |    |   |  |
| 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)                | X                                 | CHLSUITE-W                                                                 |                                          |                               |                  | X            | Ice             |                     |                       | 1            | C  |   |  |
| Physical/Aggregate (Fresh) (P-1L)  | X                                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W- TDS |                                          |                               |                  | X            | Ice             |                     |                       | 1            | C  |   |  |
| 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)                 |                                   | 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 (BP-1L)              |                                   | DTY-QN-C                                                                   | PKD-QN-BV                                |                               |                  |              | Ice             |                     |                       |              |    |   |  |
| DOC (P-500ML)                      |                                   | W-DOC                                                                      | Field Filtered 0.45 µm Filter            |                               |                  | Ice          |                 | H2SO4*              |                       | <2           |    |   |  |
|                                    | Acid Preservative Expiration Date |                                                                            |                                          |                               |                  |              |                 |                     |                       |              |    |   |  |
|                                    | Acid Preservative Lot Number      |                                                                            |                                          |                               |                  |              |                 |                     |                       |              |    |   |  |



|                                                                                                                                               |                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| RQ-2024-05-06-31                                                                                                                              | <b>Collected By:</b> Natalie Howard, Andrew Luering             |
| <b>Customer:</b> FDEP                                                                                                                         | <b>Field Report Prepared by:</b> Natalie Howard, Andrew Luering |
| <b>Project ID:</b> SMP                                                                                                                        | <b>Sampling Agency:</b> FDEP                                    |
| <b>WIN ID/Field ID:</b> <br><b>WIN ID/Field ID:</b> G1SE0007 | <b>Comments:</b>                                                |

**Location:** OTTER CREEK AT 441

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 (PPTth)      |              |    |   |  |
|------------------------------------|-----------------------------------|----------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|----|---|--|
| 6/17/2024 910                      | 1.29                              | 15.7                                                                       | 26.5                                     | 6.88                          | 0.05             | 0.1          | 0.1             | 844                 | 0.41                  |              |    |   |  |
| 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 #                                                                      | SA3340020                                |                               | Exp:             | 12/11/2024   |                 |                     |                       |              |    |   |  |
| 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)                | X                                 | CHLSUITE-W                                                                 |                                          |                               |                  | X            | Ice             |                     |                       | 1            | B  |   |  |
| Physical/Aggregate (Fresh) (P-1L)  | X                                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W- TDS |                                          |                               |                  | X            | Ice             |                     |                       | 1            | B  |   |  |
| 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  |   |  |
|                                    |                                   | 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 (BP-1L)              |                                   | DTY-QN-C                                                                   |                                          | PKD-QN-BV                     |                  |              | Ice             |                     |                       |              |    |   |  |
| DOC (P-500ML)                      |                                   | W-DOC                                                                      | Field Filtered 0.45 µm Filter            |                               |                  | Ice          |                 | H2SO 4*             |                       | <2           |    |   |  |
|                                    | Acid Preservative Expiration Date |                                                                            |                                          |                               |                  |              |                 |                     |                       |              |    |   |  |
|                                    | Acid Preservative Lot Number      |                                                                            |                                          |                               |                  |              |                 |                     |                       |              |    |   |  |