

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 2/5/2024  
**Customer:** SE-DIST  
**RQ:** RQ-2024-02-05-22

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

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

**Number of Coolers Shipped:** 1

**Delivery Method:** FedEx

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

| Site Location                   | Field ID/WIN ID                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------|
| MOWREY CANAL NEAR 152ND AVE     | <br>G4SE0066 |
| MOWREY CANAL N NEAR BISCAYNE DR | <br>G4SE0194 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 2/5/2024 1600  
EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:

Rec'd/Inspected  
Date:



|                                                                                                                                               |                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| RQ-2024-02-05-22                                                                                                                              | <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> G4SE0066 | <b>Comments:</b>                                                |

**Location:** MOWREY CANAL NEAR 152ND AVE

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)        |              |   |   |
|------------------------------------|----------------------------------------------------------------------------|-----------|------------------------------------------|-------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|---|---|
| 2/5/2024 955                       | 8.04                                                                       | 93.2      | 22.6                                     | 7.48  | 0.3              | 3.2          | 4.05            | 606                 | 0.29                  |              |   |   |
| 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)                   | x                                                                          | W-ICPMS   | x                                        | W-ICP | x                | W-HARD       | x               | Ice                 | x                     | HNO3*        |   |   |
|                                    | Lot #                                                                      |           | NA3193130                                |       | Exp:             |              | 07/27/2024      |                     | X                     | <2           | 1 | A |
| 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-CHC / 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)                 | 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-2024-02-05-22                                                                                                                              | <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> G4SE0194 | <b>Comments:</b>                                                |

**Location:** MOWREY CANAL N NEAR BISCAYNE DR

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)      |              |   |    |   |   |
|------------------------------------|----------------------------------------------------------------------------|-----------|------------------------------------------|-------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|---|----|---|---|
| 2/5/2024<br>1140                   | 10.83                                                                      | 122       | 21.3                                     | 7.7   | 0.3              | 1.3          | 1.3             | 561                 | 0.27                  |              |   |    |   |   |
| 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)                   | x                                                                          | W-ICPMS   | x                                        | W-ICP | x                | W-HARD       | x               | Ice                 | x                     | HNO3*        | X | <2 | 1 | A |
|                                    | Lot #                                                                      |           | NA3193130                                |       | Exp:             |              | 07/27/2024      |                     |                       |              |   |    |   |   |
| 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-CHC / 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)                 | 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             |       |                  |              |                 |                     |                       |              |   |    |   |   |