



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name: McKay Tidal S. of Harbor Cir

Date: 9-11-19

WIN/ Field ID: G5SW0152

WBID: 1633

Latitude: \_\_\_\_\_

(mm/dd/yyyy)

County: PINELLAS

ORG ID: 21FLTPA

Longitude: \_\_\_\_\_

(Decimal Degrees)

Receiving Body of Water: \_\_\_\_\_

RQ-2019- 09-07-19

| Sampling Team Members                      |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|--------------------------------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| <u>Judy Ashton</u><br><u>BEN ROBERTSON</u> |  |  |  |  |                 |                   |               |              |                    |
|                                            |  |  |  |  |                 |                   |               |              |                    |
|                                            |  |  |  |  |                 |                   |               |              |                    |

| Sampling Equipment                                   |                                   |                               |
|------------------------------------------------------|-----------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn | <input type="checkbox"/> Pole |
| <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe  |                               |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other    |                               |

Depth Measured with: Secchi  
Equipment ID: Secchi #1

| Collection Method                   |                                                    |  |
|-------------------------------------|----------------------------------------------------|--|
| <input type="checkbox"/> Wading     | <input checked="" type="checkbox"/> Canoe/Kayak    |  |
| <input type="checkbox"/> From Shore | <input checked="" type="checkbox"/> Electric Motor |  |
| <input type="checkbox"/> Other      | <input type="checkbox"/> Gasoline Motor            |  |

Water Level: Dry / Pooled / Low / Normal / High / Flooded  
Meter ID# CHW4 Matrix: Fresh / Marine / DI  
Photos: Yes ☒ No ☐ Flow: No Flow / Interstitial / Flowing NA Tide: Rising / Falling / Slack / NA Tide Times: High / Low

| Time Zone | Time        | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L)   | DO (%SAT)   | pH          | Salinity (PPT) | Sp COND (µmhos/cm) | Temp. (C°)  |
|-----------|-------------|-----------------|------------------|-----------------|-------------|-------------|-------------|----------------|--------------------|-------------|
| EST       | <u>1030</u> | <u>0.8</u>      | <u>0.3</u>       | <u>0.8</u>      | <u>5.81</u> | <u>92.0</u> | <u>8.08</u> | <u>29.49</u>   | <u>46168</u>       | <u>31.2</u> |

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                                                 | Preservation                                                                      | Lot#             | Expiration      | pH Check                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------|-----------------|----------------------------------------|
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                   | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | <u>SA9129100</u> | <u>05/09/20</u> | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                   | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3                        |                  |                 | <input type="checkbox"/> <2            |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                     | <input checked="" type="checkbox"/> Ice                                           |                  |                 |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHL-SUITE-W                                                                                                                                                                                                   | <input checked="" type="checkbox"/> Ice                                           |                  |                 |                                        |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                              | <input type="checkbox"/> Ice                                                      |                  |                 |                                        |
| Physical/Aggregate (Marine) | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                | <input checked="" type="checkbox"/> Ice                                           |                  |                 |                                        |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                               | <input type="checkbox"/> Formalin                                                 |                  |                 |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                 | <input type="checkbox"/> Ice                                                      |                  |                 |                                        |
| Microbiology                | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                                                   | <input checked="" type="checkbox"/> Ice                                           |                  |                 |                                        |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input checked="" type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input checked="" type="checkbox"/> PCR-HF183 <input checked="" type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD | <input checked="" type="checkbox"/> Ice                                           |                  |                 |                                        |
| Tracers                     | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS                                                                                                                                                     | <input checked="" type="checkbox"/> Ice                                           |                  |                 |                                        |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-E8321-MS <input type="checkbox"/> W-CARB-AA                           | <input type="checkbox"/> Ice                                                      |                  |                 |                                        |
| Phytoplankton               | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                                               |                                                                                   |                  |                 |                                        |

Notes: \_\_\_\_\_

Field ID/WIN: G5SW0152

Site Name: McKay Tidal South of Harbor Cir

Signature: [Signature] Date: 9-11-19

LIMS EVENT ID: 2019-09-13-01 WIN Import ID: 15760  
Enter Field Parameters, Verify Station ID In LIMS DMT: SM 11/14/2019 QC Station ID, Field Parameters In LIMS DMT: SM 12/05/2019  
Scan/Save Field Sheets SM 01/16/2020 Migrate Data to WIN: SM 12/05/2019 Verify Data In WIN: SM 01/16/2020  
(Initials/Date) (Initials/Date) (Initials/Date)

**Florida Department of Environmental Protection**  
**Central Laboratory Submittal Form**

McKay Tidal, 34th Basin, PP Ditch#1

last revised Jan 25, 2018

Customer: SW-DIST

Requester: Judy Ashton

Field Report Prepared By: Judy Ashton

Project ID: SMP

Collected By: J. Ashton, B. Ptaszyk

Sampling Agency: FDEP

|          |              |          |          |        |                                            |          |                                                                           |                                       |                                                                                 |                                                                            |                                                                      |                                 |
|----------|--------------|----------|----------|--------|--------------------------------------------|----------|---------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------|
| Location | Field ID/WIN | G5SW0152 | Field    | WIN/   | Site Name: McKay Tidal South of Harbor Cir | Latitu   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)       | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end                                                              | <input type="checkbox"/> Date<br><input type="checkbox"/> Time       | Bottle Group(s)                 |
|          |              |          |          |        |                                            |          |                                                                           | Date 9-11-19                          | Time 1030                                                                       |                                                                            |                                                                      | (See pg 2)                      |
|          |              |          |          |        |                                            |          |                                                                           | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen                                                                    | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat | Total Res. Chlorine                                                  |                                 |
|          |              |          |          |        |                                            |          |                                                                           | Temp (C) 31.2                         | pH 8.08                                                                         | Sample Depth 0.3                                                           | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m | Sp. Conductance (umho/cm) 46168 |
|          |              |          |          |        |                                            |          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) 29.49                  | Comments: ENTERO <del>ENTERO</del> DROPPED OFF 2 BENCHMARK                      |                                                                            |                                                                      |                                 |
| Location | Field ID/WIN | G5SW0151 | Field    | WIN/   | Site Name: McKay Tidal @ Mouth             | Latitu   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)       | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end                                                              | <input type="checkbox"/> Date<br><input type="checkbox"/> Time       | Bottle Group(s)                 |
|          |              |          |          |        |                                            |          |                                                                           | Date 9-11-19                          | Time 1015                                                                       |                                                                            |                                                                      |                                 |
|          |              |          |          |        |                                            |          |                                                                           | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen                                                                    | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine                                                  |                                 |
|          |              |          |          |        |                                            |          |                                                                           | Temp (C) 30.8                         | pH 8.07                                                                         | Sample Depth 0.3                                                           | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m | Sp. Conductance (umho/cm) 46491 |
|          |              |          |          |        |                                            |          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) 30.01                  | Comments: ENTERO <del>ENTERO</del> DROPPED OFF 2 BENCHMARK                      |                                                                            |                                                                      |                                 |
| Location | Field ID/WIN | G5SW0134 | Field II | WIN/S  | Site Name: PP Ditch#1 @ 71st St.           | Latitud  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)       | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end                                                              | <input type="checkbox"/> Date<br><input type="checkbox"/> Time       | Bottle Group(s)                 |
|          |              |          |          |        |                                            |          |                                                                           | Date 9-11-19                          | Time 1120                                                                       |                                                                            |                                                                      |                                 |
|          |              |          |          |        |                                            |          |                                                                           | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen                                                                    | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine                                                  |                                 |
|          |              |          |          |        |                                            |          |                                                                           | Temp (C) 30.1                         | pH 7.83                                                                         | Sample Depth 0.3                                                           | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m | Sp. Conductance (umho/cm) 4872  |
|          |              |          |          |        |                                            |          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) 2.24                   | Comments: ENTERO <del>ENTERO</del> DROPPED OFF 2 BENCHMARK                      |                                                                            |                                                                      |                                 |
| Location | Field ID/WIN | G5SW0146 | Field ID | WIN/ST | Site Name: 34th Street Basin @ 11 Ave S.   | Latitude | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)       | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end                                                              | <input type="checkbox"/> Date<br><input type="checkbox"/> Time       | Bottle Group(s)                 |
|          |              |          |          |        |                                            |          |                                                                           | Date 9-11-19                          | Time 1200                                                                       |                                                                            |                                                                      |                                 |
|          |              |          |          |        |                                            |          |                                                                           | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen                                                                    | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine                                                  |                                 |
|          |              |          |          |        |                                            |          |                                                                           | Temp (C) 29.4                         | pH 7.39                                                                         | Sample Depth 0.1                                                           | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m | Sp. Conductance (umho/cm) 441.5 |
|          |              |          |          |        |                                            |          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) 0.21                   | Comments: E. COLI <del>ENTERO</del> DROPPED OFF 2 BENCHMARK                     |                                                                            |                                                                      |                                 |

Relinquished By: J. Ashton

Date/Time

9-11-19 1600

Shipping Method

Fed Ex

Number of Coolers Shipped:

2

Received By:

Date/Time

|          |                                                  |                |                 |               |               |                                     |   |
|----------|--------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type:                                     | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY                                       |                |                 |               |               |                                     |   |
|          | TURBIDITY                                        |                |                 |               |               |                                     |   |
|          | W-CL-IC                                          |                |                 |               |               |                                     |   |
|          | W-COLOR                                          |                |                 |               |               |                                     |   |
|          | W-F                                              |                |                 |               |               |                                     |   |
|          | W-SO4-IC                                         |                |                 |               |               |                                     |   |
|          | W-TDS                                            |                |                 |               |               |                                     |   |
|          | W-TSS                                            |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                     | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | CHLSUITE-W                                       |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                     | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | <del>SW-AEL-ECQ</del> SW-BEA- <del>ECQ</del> ECQ |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                     | BG-500ML       | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | W-E8321-DI                                       |                |                 |               |               |                                     |   |
|          | W-E8321-MS                                       |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                     | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3                                            |                |                 |               |               |                                     |   |
|          | W-NO2NO3                                         |                |                 |               |               |                                     |   |
|          | W-S-A-TP                                         |                |                 |               |               |                                     |   |
|          | W-TKN                                            |                |                 |               |               |                                     |   |
|          | W-TOC                                            |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                     | P-125ML        | # of Bottles: 1 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F                                          |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                     | P-1L           | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 3 |
|          | ALKALINITY                                       |                |                 |               |               |                                     |   |
|          | TURBIDITY                                        |                |                 |               |               |                                     |   |
|          | W-BR-IC                                          |                |                 |               |               |                                     |   |
|          | W-F                                              |                |                 |               |               |                                     |   |
|          | W-TSS                                            |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                     | BP-1L          | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 3 |
|          | CHLSUITE-W                                       |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                     | QPCR-P-500ML   | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 3 |

|          |                                                                         |                 |                             |                                     |   |
|----------|-------------------------------------------------------------------------|-----------------|-----------------------------|-------------------------------------|---|
| Group: B | Bottle Type: QPCR-P-500ML<br>PCR-BACR<br>PCR-DG3<br>PCR-HF183           | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 3 |
| Group: B | Bottle Type: P-250ML-WI-THI<br><del>SW-AEL-ENG</del> SW-DEA-ENG         | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 3 |
| Group: B | Bottle Type: BG-500ML<br>W-E8321-DI<br>W-E8321-MS                       | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 3 |
| Group: B | Bottle Type: P-500ML<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | # of Bottles: 3 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 3 |
| Group: B | Bottle Type: P-125ML<br>W-PO4-F                                         | # of Bottles: 3 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | 3 |

Benchmark EnviroAnalytical, Inc  
1711 12<sup>th</sup> Street East  
Palmetto, FL 34221  
941-723-9986  
941-723-6061 Fax

PO# B578C6

**Client Information: FDEP**

Address: 13051 N. Telecom Parkway

Tampa FL 33604

Phone # 815-470-5772

Report to: Judy.ashton@dep.state.fl.us, DEP-Overflomicro@dep.state

Invoice to: FDEP Micro Overflow

Project Name: RQ- 09-09-19

Laboratory Submission # 19090445

| Sample Name                                             | Sample Type <sup>1</sup> / Sample Matrix <sup>2</sup> | Collection     |             | Container |                              |                   | Preservative <sup>4</sup> | Parameters for Analysis | Laboratory Sample # |
|---------------------------------------------------------|-------------------------------------------------------|----------------|-------------|-----------|------------------------------|-------------------|---------------------------|-------------------------|---------------------|
|                                                         |                                                       | Date           | Time        | Qty       | Capacity                     | Type <sup>3</sup> |                           |                         |                     |
| <u>G55WD152</u><br><u>MCKAY TIDAL S. OF HARBOR CIL</u>  | SW                                                    | <u>9-11-19</u> | <u>1030</u> | <u>1</u>  | <u>250ML</u><br><u>120mL</u> | P                 | Plain (on Ice)            | <u>ENTERO</u>           | <u>1</u>            |
| <u>G55WD151</u><br><u>MCKAY TIDAL @ MOUTH</u>           | SW                                                    | <u>9-11-19</u> | <u>1015</u> |           | <u>250ML</u><br><u>120mL</u> | P                 | Plain (on Ice)            | <u>ENTERO</u>           | <u>2</u>            |
| <u>G55WD134</u><br><u>PP DITCH #1 @ 71ST ST.</u>        | SW                                                    | <u>9-11-19</u> | <u>1120</u> |           | <u>250ML</u><br><u>120mL</u> | P                 | Plain (on Ice)            | <u>ENTERO</u>           | <u>3</u>            |
| <u>G55WD146</u><br><u>34th STREET BASIN @ 11 AVE S.</u> | SW                                                    | <u>9-11-19</u> | <u>1200</u> |           | <u>250ML</u><br><u>120mL</u> | P                 | Plain (on Ice)            | <u>E. COLI</u>          | <u>4</u>            |
|                                                         | SW                                                    |                |             |           | 120mL                        | P                 | Plain (on Ice)            |                         |                     |
|                                                         | SW                                                    |                |             |           | 120mL                        | P                 | Plain (on Ice)            |                         |                     |
|                                                         | SW                                                    |                |             |           | 120mL                        | P                 | Plain (on Ice)            |                         |                     |

<sup>1</sup> "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).  
<sup>2</sup> "Sample Matrix" is used to indicate whether the sample is being discharged to dechlorinated water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).  
<sup>3</sup> "Container Type" is used to indicate whether the container is plastic (P) or glass (G).  
<sup>4</sup> Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 4°C (42.8°F).  
Under "Preservative," list any preservatives that were added to the sample container.

**Instructions:**  
1. Each bottle has a label identifying sample ID, preservative contained in the bottle, sample type, client ID, and parameters for analysis.  
2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.  
3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.  
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Laboratory Sample Acceptability:

Temperature: 5.4°C

|   |                                                  |                        |                     |                                                                                                       |                         |                     |
|---|--------------------------------------------------|------------------------|---------------------|-------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
| 1 | Collected / Relinquished By:<br><u>J. Ashton</u> | Date<br><u>9-11-19</u> | Time<br><u>1200</u> | Received By:                                                                                          | Date                    | Time                |
| 2 | Relinquished By:<br><u>J. Ashton</u>             | Date<br><u>9-11-19</u> | Time<br><u>1325</u> | Received By:<br> | Date<br><u>09/11/19</u> | Time<br><u>1325</u> |