



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / ☒ No

WIN Station Name: Wares Crk @ 36th Ave

Date: 10/24/2018

(mm/dd/yyyy)

WIN/ Field ID: G2SW0031

WBID: 1848D2

Latitude: 27.46852

(Decimal Degrees)

County: Manatee

ORG ID: 21FLTPA

Longitude: -82.57043

(Decimal Degrees)

Receiving Body of Water: Manatee River

RQ-2018- 10-22-02

| Sampling Team Members                                                                                                              |                                                                                                                                                                              |                 |                  |                 |             | WQ Measurements                                                                   | Sample Collection                       | Documentation                       | Preservation                            | Preservation Check                  | Sampling Equipment                                   |                                                  |                               |  |  |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-----------------|-------------|-----------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------|-----------------------------------------|-------------------------------------|------------------------------------------------------|--------------------------------------------------|-------------------------------|--|--|
| Judy Ashton<br>Ben Paswater<br>Sarah Meyer                                                                                         |                                                                                                                                                                              |                 |                  |                 |             | <input checked="" type="checkbox"/>                                               | <input checked="" type="checkbox"/>     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>     | <input checked="" type="checkbox"/> | <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 <u>Secchi #1</u>                        |                                                  |                               |  |  |
|                                                                                                                                    |                                                                                                                                                                              |                 |                  |                 |             |                                                                                   |                                         |                                     |                                         |                                     | Collection Method                                    |                                                  |                               |  |  |
|                                                                                                                                    |                                                                                                                                                                              |                 |                  |                 |             | <input checked="" type="checkbox"/> Wading                                        | <input type="checkbox"/> Canoe/Kayak    |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
|                                                                                                                                    |                                                                                                                                                                              |                 |                  |                 |             | <input type="checkbox"/> From Shore                                               | <input type="checkbox"/> Electric Motor |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
|                                                                                                                                    |                                                                                                                                                                              |                 |                  |                 |             | <input type="checkbox"/> Other                                                    | <input type="checkbox"/> Gasoline Motor |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded                                                                     |                                                                                                                                                                              |                 |                  |                 |             | Meter ID# <u>Chewy</u>                                                            |                                         |                                     | Matrix: <u>Fresh</u> Marine/ DI         |                                     |                                                      |                                                  |                               |  |  |
| Photos: <u>Yes</u> / No                                                                                                            |                                                                                                                                                                              |                 |                  |                 |             | Flow: No Flow / Interstitial / <u>Flowing</u> / NA                                |                                         |                                     | Tide: Rising/ Falling/ Slack/ <u>NA</u> |                                     |                                                      | Tide Times: High <u>      </u> Low <u>      </u> |                               |  |  |
| 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°)                          |                                                      |                                                  |                               |  |  |
| <u>EST</u>                                                                                                                         | <u>11:17</u>                                                                                                                                                                 | <u>0.3</u>      | <u>0.2</u>       | <u>0.38</u>     | <u>5.72</u> | <u>68.3</u>                                                                       | <u>7.85</u>                             | <u>0.36</u>                         | <u>738</u>                              | <u>24.1</u>                         |                                                      |                                                  |                               |  |  |
| Biological Samples Collected: None <u>HA</u> SCI <u>RPS</u> Algae ID <u>LVS</u> LVI Other:                                         |                                                                                                                                                                              |                 |                  |                 |             |                                                                                   |                                         |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
| SBIO ID Numbers: SBIO-ID: <u>78963</u> HA-ID: <u>789 15478</u> RPS-ID: <u>9133</u> Macrophyte-ID: <u>1120</u> LIMS#: <u>203618</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>SA8197090</u>                        | <u>07/16/19</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 checked="" 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                                           | <u>9841668</u>                          |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
| Chlorophyll                                                                                                                        | <input checked="" type="checkbox"/> W-LSUITE-W                                                                                                                               |                 |                  |                 |             | <input checked="" type="checkbox"/> Ice                                           |                                         |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
| Physical/Aggregate (Fresh)                                                                                                         | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                              |                 |                  |                 |             | <input checked="" type="checkbox"/> Ice                                           |                                         |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
| Physical/Aggregate (Marine)                                                                                                        | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                |                 |                  |                 |             | <input 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 checked="" type="checkbox"/> Coll <input type="checkbox"/> F Coll <input type="checkbox"/> Enterococci                                                                |                 |                  |                 |             | <input checked="" type="checkbox"/> Ice                                           |                                         |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
| Molecular                                                                                                                          | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BaCr <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD |                 |                  |                 |             | <input type="checkbox"/> Ice                                                      |                                         |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
| Tracers                                                                                                                            | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                  |                 |                  |                 |             | <input type="checkbox"/> Ice                                                      |                                         |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
| Pesticides                                                                                                                         | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-CARB-AA                                |                 |                  |                 |             | <input type="checkbox"/> Ice                                                      |                                         |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |
|                                                                                                                                    | <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R                                 |                 |                  |                 |             | <input type="checkbox"/> Other                                                    |                                         |                                     |                                         |                                     |                                                      |                                                  |                               |  |  |

Notes: Flow = 0.125 m/s

Field ID/WIN

G2SW0031

Site Name:

Wares Crk @ 36th Ave

Signature: [Signature]

Date:

10-24-18

Enter Field Parameters, Verify Station ID In LIMS DMT: SM 11/7/2018

QC Station ID, Field Parameters In LIMS DMT: SM 12/19/2018

Scan/Save Field Sheets SM 1/8/2019  
(Initials/Date)

Migrate Data to WIN: SM 12/19/2018  
(Initials/Date)

Verify Data In WIN: SM 1/8/2019  
(Initials/Date)

DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet

|                                  |                            |                                           |                                     |                          |
|----------------------------------|----------------------------|-------------------------------------------|-------------------------------------|--------------------------|
| SAMPLING AGENCY:<br><u>FASAP</u> |                            | STORET STATION NUMBER:<br><u>62SN0031</u> | DATE (MM/DD/YY):<br><u>10-24-18</u> | RECEIVING BODY OF WATER: |
| REMARKS:                         | COUNTY:<br><u>MANASSAS</u> | LOCATION:<br><u>WALLES CREEK @ 36th</u>   | FIELD ID/NAME:                      |                          |

| Habitat Parameter                                                                                                   | Optimal                                                                                                                                                                                                                   | Suboptimal                                                                                                                                                              | Marginal                                                                                                                                          | Poor                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary Habitat Components                                                                                          | Four or more major productive habitats present (snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock)                                                                                              | Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags)                                                      | Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed                                               | One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered                                                |
| Substrate Diversity <u>3</u>                                                                                        | 20 19 18 17 16                                                                                                                                                                                                            | 15 14 13 12 11                                                                                                                                                          | 10 9 8 7 6                                                                                                                                        | 5 4 <u>3</u> 2 1                                                                                                                                  |
| Substrate Availability <u>10</u>                                                                                    | Greater than 30% major productive habitat present at site<br>20 19 18 17 16                                                                                                                                               | 16% to 30% major productive habitat, by aerial extent<br>15 14 13 12 11                                                                                                 | 6% to 15% major productive habitat<br><u>10</u> 9 8 7 6                                                                                           | Less than 5% major productive habitat<br>5 4 3 2 1                                                                                                |
| Water Velocity <u>11</u>                                                                                            | Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec<br>≥0.33 0.31 0.29 0.27 >0.25<br>20 19 18 17 16                                                                                                            | Max. observed at typical transect: >0.1 to 0.25 m/sec<br>0.25 0.21 0.17 0.13 >0.1<br>15 14 13 12 <u>11</u>                                                              | Max. observed at typical transect: 0.05 to 0.1 m/sec<br>0.1 0.09 0.07 0.06 0.05<br>10 9 8 7 6                                                     | Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec<br><0.05 0.04 0.03 0.01 <0.01<br>5 4 3 2 1                          |
| Habitat Smothering <u>2</u><br>-----<br>Primary Score <u>26</u>                                                     | Adequate number of stable pools (1-2 per 12 times width) and <25% of habitats affected by sand, silt, or algae.<br>20 19 18 17 16                                                                                         | Adequate number of stable pools (1-2 per 12 times width) and >25% of habitats affected by sand, silt, or algae.<br>15 14 13 12 11                                       | Does not have required number of stable pools (1-2 per 12 x width) and/or has shallow pools (<2 x prevailing depth).<br>10 9 8 7 6                | Stable pools are absent. Most habitats affected by sand, silt, or algae accumulation.<br>5 4 3 <u>2</u> 1                                         |
| Secondary Habitat Components<br>Artificial Channelization <u>2</u>                                                  | Expected sinuosity given the stream width. No evidence of dredging or artificial straightening. No spoil banks.<br>20 19 18 17 16                                                                                         | Good sinuosity within old channelized area. Evidence of dredging in the past (>25 yrs) but mostly recovered.<br>15 14 13 12 11                                          | Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area.<br>10 9 8 7 6                 | Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks.<br>5 4 3 <u>2</u> 1 |
| Bank Stability<br>Right Bank <u>5</u><br>Left Bank <u>4</u>                                                         | Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankfull to top of bank. Bankfull is within or above the root zone with few raw, eroded areas.<br>10 9                                                            | Only meets 2 of the 3 requirements for optimal bank stability.<br>8 7 6                                                                                                 | Only meets 1 of the 3 requirements for optimal bank stability.<br>5 4                                                                             | Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas.<br>3 2 1                              |
| Riparian Buffer Zone Width<br>Right Bank <u>3</u><br>Left Bank <u>2</u>                                             | Width of vegetation greater than 18 m<br>10 9                                                                                                                                                                             | Width of vegetation >12 to 18m<br>8 7 6                                                                                                                                 | Width of vegetation 6 to 12 m. human activities close to system<br>5 4                                                                            | Less than 6 m of buffer zone due to intensive human activities<br>3 2 1                                                                           |
| Riparian Zone Vegetation Quality<br>Right Bank <u>2</u><br>Left Bank <u>2</u><br>-----<br>Secondary Score <u>20</u> | Over 80% of riparian surfaces consist of normal, expected plant community for given sunlight & habitat conditions (e.g., native plants; tree, shrub, and forbs represented, if appropriate). Minimal disturbance.<br>10 9 | >50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed.<br>8 7 6 | 25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious.<br>5 4 | Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions).<br>3 2 1                |

46

**TOTAL SCORE**

|                       |                                               |                               |
|-----------------------|-----------------------------------------------|-------------------------------|
| Date: <u>10-24-18</u> | Analyst: <u>J. Ashton, B. Paden, S. Meyer</u> | Signature: <u>[Signature]</u> |
|-----------------------|-----------------------------------------------|-------------------------------|

Length of grid represents 100 m of stream (not linear meters).

(Horizontal scale is double vertical scale, draw proportionately).

L

R

100

Sl.  
%  
Armor

90

Sl.  
%  
Armor

80

Sl.  
%  
Armor

70

Sl.  
%  
Armor

60

Sl.  
%  
Armor

50

Sl.  
%  
Armor

40

Sl.  
%  
Armor

30

Sl.  
%  
Armor

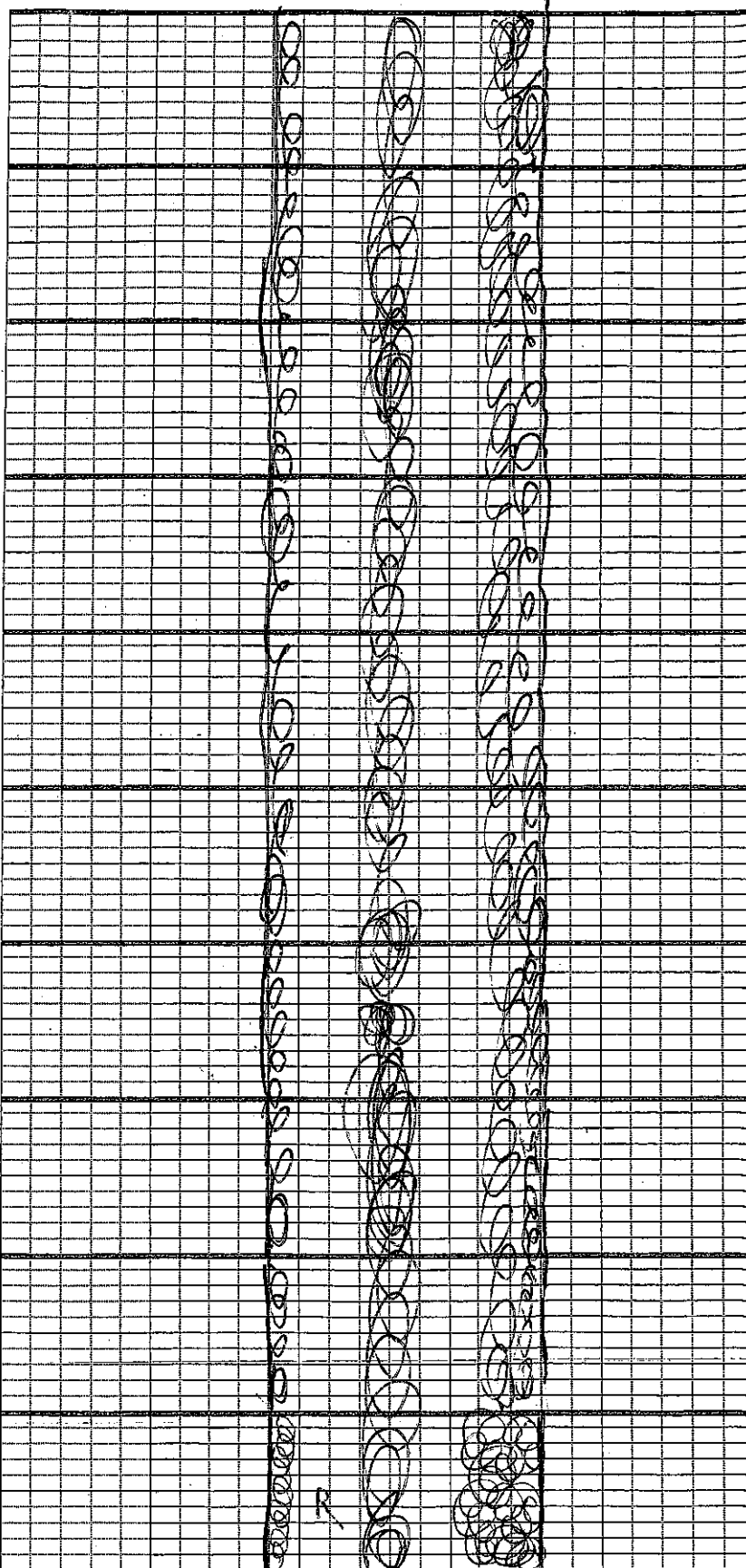
20

Sl.  
%  
Armor

10

Sl.  
%  
Armor

0



0 Downstream 100m

50% veg heavily smothered in Algae

Location: WILES CREEK 364m

Date: 10-24-18

Samplers: 625W0031

Substrates: Code key, draw proportionate habitat abundance. %

☐ Snags \_\_\_\_\_

☐ Roots/undercut banks \_\_\_\_\_

☐ Leaf Packs (or mats) \_\_\_\_\_

☒ Macrophytes \_\_\_\_\_

☒ Rocks \_\_\_\_\_

☐ Total observed 0

☒ Pools Range expected 1-2

Velocity measured at 100 meter mark.

WQ & chemistry taken at 100 meter mark.

Habitat Smothering:  
Note areas (on map) where sand or silt is smothering substrates, limiting habitability.

Bank Stability:  
Note areas (on map) with unstable, eroding banks.

Riparian Buffer Width: \_\_\_\_\_  
Note areas (on map) where natural vegetation is altered or eliminated.

| 1 sec per 1 m | 1m/s  | sec | m/s   |
|---------------|-------|-----|-------|
| 2             | 0.5   | 12  | 0.08  |
| 3             | 0.33  | 13  | 0.076 |
| 4             | 0.25  | 14  | 0.071 |
| 5             | 0.2   | 15  | 0.066 |
| 6             | 0.16  | 16  | 0.062 |
| 7             | 0.14  | 17  | 0.058 |
| 8             | 0.12  | 18  | 0.055 |
| 9             | 0.11  | 19  | 0.052 |
| 10            | 0.1   | 20  | 0.052 |
| 11            | 0.09  | 21  | 0.047 |
| 22            | 0.045 | NO  | FLOW  |

| Prod. hab    | 1  | 2 | 3 | 4 | 5 |
|--------------|----|---|---|---|---|
| Sweeps (Maj) | 10 | 7 | 5 | 4 | 3 |
| Sweeps (Min) | 10 | 6 | 5 | 4 | 5 |

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: WALLS CREEK 236th Date: 10-24-18 County: MANASSAS Storet Number: 625W0031  
 Analyst: J. B. HARRIS, S. MEYER, B. PISCHKE Signature: [Signature]  
 Comments: STANDWATER CONVEYANCE - 0 CREEK TOTALLY ARTIFICIAL

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m<sup>2</sup> of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.

| HERBACEOUS SPECIES                                             | Meter Mark |       |       |       |       |       |       |       |       |        | Specimen collected (check) | HERBACEOUS SPECIES        | Meter Mark |       |       |       |       |       |       |       |       |        | Specimen collected (check) |
|----------------------------------------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------------------------|---------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------------------------|
|                                                                | 0-10       | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 |                            |                           | 0-10       | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 |                            |
| Alternanthera philoxeroides                                    | X          | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓      |                            | Micranthemum glomeratum   |            |       |       |       |       |       |       |       |       |        |                            |
| Bacopa caroliniana                                             |            |       |       |       |       |       |       |       |       |        |                            | Micranthemum umbrosum     |            |       |       |       |       |       |       |       |       |        |                            |
| Bacopa monnieri                                                |            |       |       |       |       |       |       |       |       |        |                            | Myriophyllum aquaticum    |            |       |       |       |       |       |       |       |       |        |                            |
| Bidens mitis                                                   |            |       |       |       |       |       |       |       |       |        |                            | Najas guadelupensis       | X          | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |        |                            |
| Boehmeria cylindrica                                           |            |       |       |       |       |       |       |       |       |        |                            | Nuphar luteum             |            |       |       |       |       |       |       |       |       |        |                            |
| Centella asiatica                                              |            |       |       |       |       |       |       |       |       |        |                            | Orontium aquaticum        |            |       |       |       |       |       |       |       |       |        |                            |
| Ceratophyllum demersum                                         |            |       |       |       |       |       |       |       |       |        |                            | Panicum hemitomon         |            |       |       |       |       |       |       |       |       |        |                            |
| Chara                                                          | X          | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓      |                            | Panicum repens            |            |       |       |       |       |       |       |       |       |        |                            |
| Cicuta maculata                                                |            |       |       |       |       |       |       |       |       |        |                            | Panicum rigidulum         |            |       |       |       |       |       |       |       |       |        |                            |
| Cladium jamaicense                                             |            |       |       |       |       |       |       |       |       |        |                            | Pistia stratioides        |            |       |       |       |       |       |       |       |       |        |                            |
| Colocasia esculenta                                            |            |       |       |       |       |       |       |       |       |        |                            | Polygonum glabra          |            |       |       |       |       |       |       |       |       |        |                            |
| Commelina diffusa                                              | X          | ✓     |       |       |       |       |       |       |       |        |                            | Polygonum hydropiperoides |            |       |       |       |       |       |       |       |       |        |                            |
| Commelina virginica                                            |            |       |       |       |       |       |       |       |       |        |                            | Polygonum punctatum       |            |       |       |       |       |       |       |       |       |        |                            |
| Crinum americanum                                              |            |       |       |       |       |       |       |       |       |        |                            | Pontedaria cordata        |            |       |       |       |       |       |       |       |       |        |                            |
| Diodia virginiana                                              |            |       |       |       |       |       |       |       |       |        |                            | Potamogeton illinoensis   |            |       |       |       |       |       |       |       |       |        |                            |
| Eichhornia crassipes                                           |            |       |       |       |       |       |       |       |       |        |                            | Ruellia simplex           |            |       |       |       |       |       |       |       |       |        |                            |
| Eleocharis (wispy viviparous)                                  |            |       |       |       |       |       |       |       |       |        |                            | Sacciolepis striata       |            |       |       |       |       |       |       |       |       |        |                            |
| Hydrilla verticillata                                          | X          | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓      |                            | Sagittaria kurziana       |            |       |       |       |       |       |       |       |       |        |                            |
| Hydrocotyle                                                    |            |       |       |       |       |       |       |       |       |        |                            | Sagittaria lancifolia     |            |       |       |       |       |       |       |       |       |        |                            |
| Hygrophila polysperma                                          |            |       |       | ✓     | ✓     |       |       |       |       |        |                            | Sagittaria latifolia      |            |       |       |       |       |       |       |       |       |        |                            |
| Hymenocallis                                                   |            |       |       |       |       |       |       |       |       |        |                            | Salvinia minima           |            |       |       |       |       |       |       |       |       |        |                            |
| Lachnanthes caroliniana                                        |            |       |       |       |       |       |       |       |       |        |                            | Samolus parviflora        |            |       |       |       |       |       |       |       |       |        |                            |
| Landoltia punctata                                             |            |       |       |       |       |       |       |       |       |        |                            | Saururus cernuus          |            |       |       |       |       |       |       |       |       |        |                            |
| Lemna                                                          | X          | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓      |                            | Sparganium americanum     |            |       |       |       |       |       |       |       |       |        |                            |
| Limnophila sessiflora                                          |            |       |       |       |       |       |       |       |       |        |                            | Typha                     |            |       |       |       |       |       |       |       |       |        |                            |
| Ludwigia leptocarpa                                            |            |       |       |       |       |       |       |       |       |        |                            | Vallisneria americana     |            |       |       |       |       |       |       |       |       |        |                            |
| Ludwigia palustris                                             |            |       |       |       |       |       |       |       |       |        |                            | Zizania aquatica          |            |       |       |       |       |       |       |       |       |        |                            |
| Ludwigia peruviana                                             | X          |       | ✓     | ✓     |       |       |       | ✓     | ✓     |        |                            |                           |            |       |       |       |       |       |       |       |       |        |                            |
| Ludwigia repens                                                |            |       |       |       |       |       |       |       |       |        |                            | Azola                     | X          | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |        |                            |
| Luziola fluitans                                               |            |       |       |       |       |       |       |       |       |        |                            | Sphagnetacola             | X          | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     | ✓     |        |                            |
| if no Dominant or Co-Dominant were selected, indicate with "X" |            |       |       |       |       |       |       |       |       |        |                            | Mats of Algae             |            |       |       |       |       |       |       |       |       |        |                            |
| Indicate % cover macrophytes per section                       |            |       |       |       |       |       |       |       |       |        |                            | Polygonum                 |            |       |       |       |       |       |       |       |       |        |                            |
| 0-5% Macrophyte Coverage                                       |            |       |       |       |       |       |       |       |       |        |                            |                           |            |       |       |       |       |       |       |       |       |        |                            |
| >5 and ≤10% Macrophyte Coverage                                |            |       |       |       |       |       |       |       |       |        |                            |                           |            |       |       |       |       |       |       |       |       |        |                            |
| >10 and ≤25% Macrophyte Coverage                               |            |       |       |       |       |       |       |       |       |        |                            |                           |            |       |       |       |       |       |       |       |       |        |                            |
| >25 and ≤50% Macrophyte Coverage                               |            |       |       |       |       |       |       |       |       |        |                            |                           |            |       |       |       |       |       |       |       |       |        |                            |
| > 50% Macrophyte Coverage                                      |            |       |       |       |       |       |       |       |       |        |                            |                           |            |       |       |       |       |       |       |       |       |        |                            |

# DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

County: MANASSAS Investigators: J. A. H. W. 10-24-18 RQ 2018-10-22-02

| Transect (m) | Point<br>1=right<br>9=left | Algal Thickness Rank<br>(N-6, X) | Estimated | Canopy Cover | Transect (m) | Point<br>1=right<br>9=left | Algal Thickness Rank<br>(N-6, X) | Estimated | Canopy Cover |
|--------------|----------------------------|----------------------------------|-----------|--------------|--------------|----------------------------|----------------------------------|-----------|--------------|
| 0            | 1                          | 4                                |           |              | 60           | 1                          | 6                                |           |              |
|              | 2                          | 6                                |           |              |              | 2                          |                                  |           |              |
|              | 3                          | 6                                |           |              |              | 3                          |                                  |           |              |
|              | 4                          | 6                                |           |              |              | 4                          |                                  |           |              |
|              | 5                          | 6                                |           | 83           |              | 5                          |                                  |           |              |
|              | 6                          | 6                                |           |              |              | 6                          |                                  |           | 12           |
|              | 7                          | 6                                |           |              |              | 7                          |                                  |           |              |
|              | 8                          | 6                                |           |              |              | 8                          |                                  |           |              |
|              | 9                          | 6                                |           |              |              | 9                          |                                  |           |              |
| 10           | 1                          | 4                                |           |              | 70           | 1                          | 6                                |           |              |
|              | 2                          | 6                                |           |              |              | 2                          |                                  |           |              |
|              | 3                          | 6                                |           |              |              | 3                          |                                  |           |              |
|              | 4                          | 6                                |           |              |              | 4                          |                                  |           |              |
|              | 5                          | 6                                |           | 82           |              | 5                          |                                  |           | 6            |
|              | 6                          | 6                                |           |              |              | 6                          |                                  |           |              |
|              | 7                          | 6                                |           |              |              | 7                          |                                  |           |              |
|              | 8                          | 6                                |           |              |              | 8                          |                                  |           |              |
|              | 9                          | 6                                |           |              |              | 9                          |                                  |           |              |
| 20           | 1                          | 6                                |           |              | 80           | 1                          | 6                                |           |              |
|              | 2                          | 6                                |           |              |              | 2                          |                                  |           |              |
|              | 3                          | 6                                |           |              |              | 3                          |                                  |           |              |
|              | 4                          | 6                                |           |              |              | 4                          |                                  |           |              |
|              | 5                          | 6                                |           | 50           |              | 5                          |                                  |           | 8            |
|              | 6                          | 6                                |           |              |              | 6                          |                                  |           |              |
|              | 7                          | 6                                |           |              |              | 7                          |                                  |           |              |
|              | 8                          | 6                                |           |              |              | 8                          |                                  |           |              |
|              | 9                          | 6                                |           |              |              | 9                          |                                  |           |              |
| 30           | 1                          | 6                                |           |              | 90           | 1                          | 6                                |           |              |
|              | 2                          |                                  |           |              |              | 2                          |                                  |           |              |
|              | 3                          |                                  |           |              |              | 3                          |                                  |           |              |
|              | 4                          |                                  |           |              |              | 4                          |                                  |           |              |
|              | 5                          |                                  |           | 60           |              | 5                          |                                  |           | 0            |
|              | 6                          |                                  |           |              |              | 6                          |                                  |           |              |
|              | 7                          |                                  |           |              |              | 7                          |                                  |           |              |
|              | 8                          |                                  |           |              |              | 8                          |                                  |           |              |
|              | 9                          |                                  |           |              |              | 9                          |                                  |           |              |
| 40           | 1                          | 6                                |           |              | 100          | 1                          | 6                                |           |              |
|              | 2                          |                                  |           |              |              | 2                          |                                  |           |              |
|              | 3                          |                                  |           |              |              | 3                          |                                  |           |              |
|              | 4                          |                                  |           |              |              | 4                          |                                  |           |              |
|              | 5                          |                                  |           | 35           |              | 5                          |                                  |           | 0            |
|              | 6                          |                                  |           |              |              | 6                          |                                  |           |              |
|              | 7                          |                                  |           |              |              | 7                          |                                  |           |              |
|              | 8                          |                                  |           |              |              | 8                          |                                  |           |              |
|              | 9                          |                                  |           |              |              | 9                          |                                  |           |              |
| 50           | 1                          | 6                                |           |              |              | 1                          | 6                                |           |              |
|              | 2                          |                                  |           |              |              | 2                          |                                  |           |              |
|              | 3                          |                                  |           |              |              | 3                          |                                  |           |              |
|              | 4                          |                                  |           |              |              | 4                          |                                  |           |              |
|              | 5                          |                                  |           | 27           |              | 5                          |                                  |           |              |
|              | 6                          |                                  |           |              |              | 6                          |                                  |           |              |
|              | 7                          |                                  |           |              |              | 7                          |                                  |           |              |
|              | 8                          |                                  |           |              |              | 8                          |                                  |           |              |
|              | 9                          |                                  |           |              |              | 9                          |                                  |           |              |

Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached.

Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.

Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6.

Collect algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.

STORET Station Number: 625W0031

Secchi depth 0.3  
 Estimated? NO  
 # points ranked 4-6 98  
 total points assessed 99  
 % points ranked 4-6 98

Check accompanying data collected at same site/date.  
 Algal mat sample ☒  
 Linear Veg Survey ☒  
 Habitat Assessment ☒  
 SCI/Biorecon ☒  
 Water sample ☒  
 RQ- 10-22-02  
2018

| Algal Thickness Rank |                                         |
|----------------------|-----------------------------------------|
| N                    | rough, no algae, slimy, algae up to 1mm |
| 3                    | >1mm - 6mm                              |
| 4                    | >6mm - 20mm                             |
| 5                    | >20mm - 10 cm                           |
| 6                    | >10 cm                                  |

Request Number: RQ-2018-10-22-02

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Wares, Wares, Mill, Gap, &amp; Nonsense

Page 1 of 3

last revised Jan 25, 2018

Customer: SW-DIST

Requester: Benjamin Paswater

Field Report Prepared By: S Meyer

Project ID: SMP

Collected By: B Paswater, J Ashton, S Meyer

Sampling Agency: FDEP SW ROC

|                                                                                     |  |                                          |                                 |              |                                                        |                                 |  |                               |
|-------------------------------------------------------------------------------------|--|------------------------------------------|---------------------------------|--------------|--------------------------------------------------------|---------------------------------|--|-------------------------------|
| Location                                                                            |  | <input type="checkbox"/> Comp            | Collection (comp begin or grab) |              | <input checked="" type="checkbox"/> Eastern            | Composite end                   |  | Bottle Group(s)<br>(See pg 2) |
| Field ID/WIN<br><b>G2SW0030</b>                                                     |  | <input checked="" type="checkbox"/> Grab | Date 10/24/2018 Time 12:00      |              | <input checked="" type="checkbox"/> Central            | Date _____ Time _____           |  |                               |
|    |  | Matrix (type, e.g., Salt, Fresh, etc)    |                                 | Diss. Oxygen | <input checked="" type="checkbox"/> mg/L               | Total Res. Chlorine (mg/L)      |  |                               |
| Site Name: Gap Creek @ 45th St                                                      |  | Temp (C) 24.5                            |                                 | pH 7.61      | <input type="checkbox"/> ft                            | Sp. Conductance (umho/cm) 690   |  |                               |
| <input type="checkbox"/> dms                                                        |  | <input type="checkbox"/> dd              | Salinity (ppt) 0.34             |              | Comments: E Coli dropped @ AEL                         |                                 |  |                               |
| Location                                                                            |  | <input type="checkbox"/> Comp            | Collection (comp begin or grab) |              | <input checked="" type="checkbox"/> Eastern            | Composite end                   |  | Bottle Group(s)               |
| Field ID/WIN<br><b>G2SW0031</b>                                                     |  | <input checked="" type="checkbox"/> Grab | Date 10/24/2018 Time 11:17      |              | <input checked="" type="checkbox"/> Central            | Date _____ Time _____           |  |                               |
|    |  | Matrix (type, e.g., Salt, Fresh, etc)    |                                 | Diss. Oxygen | <input checked="" type="checkbox"/> mg/L               | Total Res. Chlorine (mg/L)      |  |                               |
| Site Name: Wares Crk @ 36th Ave                                                     |  | Temp (C) 24.1                            |                                 | pH 7.85      | <input type="checkbox"/> ft                            | Sp. Conductance (umho/cm) 738   |  |                               |
| <input type="checkbox"/> dms                                                        |  | <input type="checkbox"/> dd              | Salinity (ppt) 0.36             |              | Comments: E Coli dropped @ AEL / ALGAL ID COLLECTED    |                                 |  |                               |
| Location                                                                            |  | <input type="checkbox"/> Comp            | Collection (comp begin or grab) |              | <input checked="" type="checkbox"/> Eastern            | Composite end                   |  | Bottle Group(s)               |
| Field ID/WIN<br><b>G2SW0029</b>                                                     |  | <input checked="" type="checkbox"/> Grab | Date 10/24/2018 Time 10:20      |              | <input checked="" type="checkbox"/> Central            | Date _____ Time _____           |  |                               |
|    |  | Matrix (type, e.g., Salt, Fresh, etc)    |                                 | Diss. Oxygen | <input checked="" type="checkbox"/> mg/L               | Total Res. Chlorine (mg/L)      |  |                               |
| Site Name: Wares Crk @ 9th Ave                                                      |  | Temp (C) 27.4                            |                                 | pH 7.24      | <input type="checkbox"/> ft                            | Sp. Conductance (umho/cm) 35240 |  |                               |
| <input type="checkbox"/> dms                                                        |  | <input type="checkbox"/> dd              | Salinity (ppt) 22.13            |              | Comments: ENTERO DROPPED INTO AEL                      |                                 |  |                               |
| Location                                                                            |  | <input type="checkbox"/> Comp            | Collection (comp begin or grab) |              | <input checked="" type="checkbox"/> Eastern            | Composite end                   |  | Bottle Group(s)               |
| Field ID/WIN<br><b>G2SW0040</b>                                                     |  | <input checked="" type="checkbox"/> Grab | Date 10/24/2018 Time 13:40      |              | <input checked="" type="checkbox"/> Central            | Date _____ Time _____           |  |                               |
|  |  | Matrix (type, e.g., Salt, Fresh, etc)    |                                 | Diss. Oxygen | <input checked="" type="checkbox"/> mg/L               | Total Res. Chlorine (mg/L)      |  |                               |
| Site Name: Mill Creek @ Upper manatee Rvr Rd                                        |  | Temp (C) 26.7                            |                                 | pH 7.27      | <input type="checkbox"/> ft                            | Sp. Conductance (umho/cm) 5850  |  |                               |
| <input type="checkbox"/> dms                                                        |  | <input type="checkbox"/> dd              | Salinity (ppt) 3.9              |              | Comments: GRAB (MINUS E. COLI) ENTERO DROPPED INTO AEL |                                 |  |                               |

|                              |                            |                        |                              |              |            |
|------------------------------|----------------------------|------------------------|------------------------------|--------------|------------|
| Relinquished By: Sarah Meyer | Date/Time: 10/24/2018 1700 | Shipping Method: FedEx | Number of Coolers Shipped: 3 | Received By: | Date/Time: |
|------------------------------|----------------------------|------------------------|------------------------------|--------------|------------|

|          |              |                |                 |               |               |                                     |   |
|----------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type: | P-1L           | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | ALKALINITY   |                |                 |               |               |                                     |   |
|          | TURBIDITY    |                |                 |               |               |                                     |   |
|          | W-CL-IC      |                |                 |               |               |                                     |   |
|          | W-COLOR      |                |                 |               |               |                                     |   |
|          | W-F          |                |                 |               |               |                                     |   |
|          | W-SO4-IC     |                |                 |               |               |                                     |   |
|          | W-TDS        |                |                 |               |               |                                     |   |
|          | W-TSS        |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | BP-1L          | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | CHLSUITE-W   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-120ML-WC-THI | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | SWD-AEL-EC   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-500ML        | # of Bottles: 3 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2 |
|          | W-NH3        |                |                 |               |               |                                     |   |
|          | W-NO2NO3     |                |                 |               |               |                                     |   |
|          | W-S-A-TP     |                |                 |               |               |                                     |   |
|          | W-TKN        |                |                 |               |               |                                     |   |
|          | W-TOC        |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-125ML        | # of Bottles: 3 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 2 |
|          | W-PO4-F      |                |                 |               |               |                                     |   |
| Group: B | Bottle Type: | P-1L           | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | ALKALINITY   |                |                 |               |               |                                     |   |
|          | TURBIDITY    |                |                 |               |               |                                     |   |
|          | W-F          |                |                 |               |               |                                     |   |
|          | W-TSS        |                |                 |               |               |                                     |   |
| Group: B | Bottle Type: | BP-1L          | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | CHLSUITE-W   |                |                 |               |               |                                     |   |
| Group: B | Bottle Type: | P-120ML-WC-THI | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | SWD-AEL-EN   |                |                 |               |               |                                     |   |
| Group: B | Bottle Type: | P-500ML        | # of Bottles: 2 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2 |
|          | W-NH3        |                |                 |               |               |                                     |   |
|          | W-NO2NO3     |                |                 |               |               |                                     |   |

3 of 4

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|          |              |                |                 |                             |                                     |   |
|----------|--------------|----------------|-----------------|-----------------------------|-------------------------------------|---|
| Group: B | Bottle Type: | P-500ML        | # of Bottles: 2 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2 |
|          | W-S-A-TP     |                |                 |                             |                                     |   |
|          | W-TKN        |                |                 |                             |                                     |   |
|          | W-TOC        |                |                 |                             |                                     |   |
| Group: B | Bottle Type: | P-125ML        | # of Bottles: 2 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | 2 |
|          | W-PO4-F      |                |                 |                             |                                     |   |
| Group: C | Bottle Type: | QPCR-P-500ML   | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 3 |
|          | PCR-FILTER   |                |                 |                             |                                     |   |
| Group: C | Bottle Type: | P-120ML-WC-THI | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | SWD-AEL-EC   |                |                 |                             |                                     |   |
| Group: C | Bottle Type: | BG-500ML       | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 3 |
|          | W-E8321-DI   |                |                 |                             |                                     |   |
|          | W-E8321-MS   |                |                 |                             |                                     |   |

ALGAL ID

1 TUBE ON ICE

# SAMPLES

1





|                                     |                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/>            | <b>Gainesville:</b> 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639                |
| <input type="checkbox"/>            | <b>Jacksonville:</b> 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354           |
| <input type="checkbox"/>            | <b>Tallahassee:</b> 2639 North Monroe Street, Suite D • Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275 |
| <input checked="" type="checkbox"/> | <b>Tampa:</b> 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327                       |

|                                                                                                                                                                   |                                   |                                                                                                                           |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------|---------|--------------------------|--|----------------|--|-------------------|------|-------------------------|-----------|
| Client Name: FDEP SW Dist.                                                                                                                                        |                                   | Project Name: SMP                                                                                                         |               | BOTTLE SIZE & TYPE                                   |         |                          |  |                |  | LABORATORY I.D. # |      |                         |           |
| Address: 13051 N. Telecom Pkwy. Temple Terrace FL 33637                                                                                                           |                                   | P.O. Number: B370AE                                                                                                       |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
| Phone: 813-470-5770                                                                                                                                               |                                   | Project Address:                                                                                                          |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
| Contact: Judy Ashton 813-470-5772                                                                                                                                 |                                   | Special Instructions: RQ-2018-10-22-02                                                                                    |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
| Sampled By:                                                                                                                                                       |                                   | Turn Around Time: <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> RUSH                              |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
| Page: 1 of 2                                                                                                                                                      |                                   | <input type="checkbox"/> ADaPT <input type="checkbox"/> EQulS <input type="checkbox"/> Other                              |               | Analysis Required                                    | E. Coli | E. Coli                  |  |                |  |                   |      |                         |           |
| SAMPLE ID                                                                                                                                                         | SAMPLE DESCRIPTION                | Grab Comp                                                                                                                 | SAMPLING DATE |                                                      |         |                          |  |                |  |                   | TIME | MATRIX                  | NO. COUNT |
| Field ID/WIN                                                                                                                                                      | G2SW0030                          |                                                                                                                           | 10/24/18      |                                                      |         |                          |  |                |  |                   | 1200 | SW                      | 1         |
| Site Name:                                                                                                                                                        | Gap Creek @ 45th St               |                                                                                                                           |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
| Field ID/WIN                                                                                                                                                      | G2SW0031                          |                                                                                                                           | 10/24/18      |                                                      |         |                          |  |                |  |                   | 1117 | SW                      | 1         |
| Site Name:                                                                                                                                                        | Wares Crk @ 36th Ave              |                                                                                                                           |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
| Field ID/WIN                                                                                                                                                      | G2SW0029                          |                                                                                                                           | 10/24/18      | 1020                                                 | SW      | 1                        |  |                |  |                   |      |                         |           |
| Site Name:                                                                                                                                                        | Wares Crk @ 9th Ave               |                                                                                                                           |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
| Field ID/WIN                                                                                                                                                      | G2SW0040                          |                                                                                                                           | 10/24/18      | 1340                                                 | SW      | 1                        |  |                |  |                   |      |                         |           |
| Site Name:                                                                                                                                                        | Mill Creek @ Upper manatee Rvr Rd |                                                                                                                           |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
| Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge                                       |                                   | Preservation Code: -I = ice -H = (HCl) S = (H2SO4) -N = (HNO3) T = (Sodium Thiosulfate)                                   |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
| Received on Ice <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Temp taken from sample <input type="checkbox"/> Temp from blank |                                   | <input type="checkbox"/> Where required, pH checked                                                                       |               | Temperature when received _____ (in degrees celcius) |         |                          |  |                |  |                   |      |                         |           |
| DCN: AD-051 Form last revised 04/30/2015                                                                                                                          |                                   | Device used for measuring Temp by unique Identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V |               |                                                      |         |                          |  |                |  |                   |      |                         |           |
| Relinquished by: Sarah Meyer                                                                                                                                      |                                   | Date: 10/24/18                                                                                                            |               | Time: 1443                                           |         | Received by: [Signature] |  | Date: 10/24/18 |  | Time: 4143        |      | FOR DRINKING WATER USE: |           |
| 1                                                                                                                                                                 |                                   | PWS ID:                                                                                                                   |               |                                                      |         |                          |  |                |  |                   |      |                         |           |