



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes No

WIN Station Name: Spring Garden Creek Just DS of Deep Creek

Date: 01/21/2020

(mm/dd/yyyy)

WIN/ Field ID: G2CE0126

WBID: 2921F

Latitude: 29.13335

(Decimal Degrees)

County: Volusia

ORG ID: 21FLCEN

Longitude: -81.39327

(Decimal Degrees)

Receiving Body of Water:

RQ-2020- 2020-01-06-39

| Sampling Team Members | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-----------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Terry Riordan         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Elizabeth Bates       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
|                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |

| Sampling Equipment                                   |                                                    |
|------------------------------------------------------|----------------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn                  |
| <input checked="" type="checkbox"/> Syringe          | <input type="checkbox"/> Pole                      |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other                     |
| Depth Measured with <u>Secchi Disk Line</u> / Meter  |                                                    |
| Equipment ID <u>Knothead</u>                         |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" type="checkbox"/> Gasoline Motor |

|                                                                              |                                     |                                         |                      |
|------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------|----------------------|
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded               |                                     | Meter ID# <u>Craw Daddy</u>             |                      |
| Photos: Yes / <u>No</u>                                                      | Flow: No Flow / <u>Flowing</u> / NA | Tide: Rising/ Falling/ Slack/ <u>NA</u> | Tide Times: High Low |
| Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other: |                                     |                                         |                      |
| SBIO ID Numbers:                                                             | SBIO-ID:                            | HA-ID:                                  | RPS-ID:              |
| Macrophyte-ID:                                                               |                                     | LIMS#:                                  |                      |
| Notes:                                                                       |                                     |                                         |                      |

## Duplicate Sample

|                                             |                                            |
|---------------------------------------------|--------------------------------------------|
| Time Zone: <u>EST</u> CEN Time: <u>1158</u> | Field ID: <u>G2CE0126_DUP</u> (WIN ID_DUP) |
| WIN DMT Activity ID: <u>Boat Group B</u>    |                                            |

## Blank

|                                                                                                                                                 |                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Time Zone: <u>EST</u> CEN Time: <u>1250</u>                                                                                                     | Field ID: <u>FB_01212020</u> (Blank Type_MMDDYYYY) |
| DI Source: <u>Washroom</u>                                                                                                                      | Location: <u>Deleon Sprgs Boat Ramp</u>            |
| <input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank <input type="checkbox"/> Field Cleaned Equipment Blank | Equipment ID: <u>Carboy #6</u>                     |

Boat Group C

|                               |                        |
|-------------------------------|------------------------|
| Signature: <u>[Signature]</u> | Date: <u>1/21/2020</u> |
|-------------------------------|------------------------|

LIMS EVENT ID: GEN-DIST-2020-01-22-01

WIN Import ID: 18968

Enter Field Parameters, Verify Station ID In LIMS DMT: LB 02/10/2020

QC Station ID, Field Parameters In LIMS DMT: TR 2/20/20

Scan/Save Field Sheets LB 2/11/20  
(Initials/Date)

Migrate Data to WIN: KWM 4/15/20  
(Initials/Date)

Verify Data In WIN: \_\_\_\_\_  
(Initials/Date)



RQ-2020- 2020-01-06-39

Customer: FDEP

Project ID: SMP

Terry Riordan

Collected By: Elizabeth Bates

Field Report Prepared By: Terry Riordan

Sampling Agency: 21FLCEN

| WIN ID / Field ID -><br>Spring Garden Creek Just<br>DS of Deep Creek |      |                                                                                                                                                                                                                                                                                         |           |                               |      | <br>G2CE0126                             |                 | Comments:       |                       |                    |  |
|----------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------|------|---------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------|--------------------|--|
| Matrix: <u>Fresh</u> / Marine                                        |      |                                                                                                                                                                                                                                                                                         |           |                               |      | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE                                   |                 |                 |                       |                    |  |
| Date                                                                 | Time | DO (mg/L)                                                                                                                                                                                                                                                                               | DO (%SAT) | Temp. (C°)                    | pH   | Sample Depth (m)                                                                                                          | Secchi Disk (m) | Total Depth (m) | Sp COND (umhos/cm)    | Salinity (PPTH)    |  |
| 1/21/20<br><del>1/25/20</del><br>7R                                  | 1155 | 6.08                                                                                                                                                                                                                                                                                    | 62.2      | 16.5                          | 7.00 | 0.3                                                                                                                       | 0.5             | 1.7             | 893                   | 0.44               |  |
| (EST)/ CST                                                           |      |                                                                                                                                                                                                                                                                                         |           |                               |      |                                                                                                                           |                 |                 |                       |                    |  |
| Cental Lab please use top row for login purposes                     |      |                                                                                                                                                                                                                                                                                         |           |                               |      |                                                                                                                           |                 |                 |                       |                    |  |
|                                                                      |      | 6.19                                                                                                                                                                                                                                                                                    | 63.2      | 16.4                          | 6.94 | 1.2                                                                                                                       |                 |                 | 902                   | 0.45               |  |
| (EST)/ CST                                                           |      |                                                                                                                                                                                                                                                                                         |           |                               |      |                                                                                                                           |                 |                 |                       |                    |  |
| Parameter Suite                                                      |      | Parameter Methods                                                                                                                                                                                                                                                                       |           |                               |      | Preservation                                                                                                              |                 | pH Check        | # Bottles sent to Lab | Bottle Group       |  |
| Preserved Nutrients (P-500ML)                                        |      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # <u>SA9301030</u> Exp: <u>10/28/2020</u>                                                                                                                                                        |           |                               |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4* <input checked="" type="checkbox"/> <2 |                 |                 | <u>NA</u>             | <u>A, B, C, NA</u> |  |
| Metals (P-500ML)                                                     |      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD<br>Lot # Exp:                                                                                                                                                                           |           |                               |      | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3* <input type="checkbox"/> <2                                   |                 |                 |                       |                    |  |
| Filtered Nutrients (P125ML)                                          |      | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 um Filter<br>Filter Lot # <u>16930280</u> Exp:<br>Syringe Lot # <u>9149785</u> Exp: <u>05-31-2024</u>                                                                               |           |                               |      | <input checked="" type="checkbox"/> Ice                                                                                   |                 |                 | <u>3</u>              | <u>A, B, C, NA</u> |  |
| Chlorophyll (BP-1L)                                                  |      | <input checked="" type="checkbox"/> CHLSUITE-W<br><input type="checkbox"/> Ice                                                                                                                                                                                                          |           |                               |      |                                                                                                                           |                 |                 | <u>1</u>              | <u>A</u>           |  |
| Physical/Aggregate (Fresh) (P-1L)                                    |      | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS<br><input type="checkbox"/> Ice                                                                                                                                         |           |                               |      |                                                                                                                           |                 |                 | <u>NA</u>             | <u>A, B, C, NA</u> |  |
| Physical/Aggregate (Marine) (P-1L)                                   |      | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY<br><input type="checkbox"/> Ice                                                                                                                                                                                 |           |                               |      |                                                                                                                           |                 |                 |                       |                    |  |
| Macroinvertebrates (PJ-2L)                                           |      | <input type="checkbox"/> MI-FW-QLDC<br><input type="checkbox"/> Formalin                                                                                                                                                                                                                |           |                               |      |                                                                                                                           |                 |                 |                       |                    |  |
| Periphyton (PT-50ML)                                                 |      | <input type="checkbox"/> ALGAE-ID<br><input type="checkbox"/> Ice                                                                                                                                                                                                                       |           |                               |      |                                                                                                                           |                 |                 |                       |                    |  |
| Microbiology (Contract Lab Bottle)                                   |      | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab <u>(2) NA</u><br><input type="checkbox"/> Ice                                                                       |           |                               |      |                                                                                                                           |                 |                 | <u>0</u>              | <u>A, B, NA</u>    |  |
| Molecular (QPCR-P-500ML)                                             |      | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                                            |           |                               |      | <input type="checkbox"/> Ice                                                                                              |                 |                 |                       |                    |  |
| Tracers (BG-500ML)                                                   |      | <input type="checkbox"/> W-EB321-DI <input type="checkbox"/> W-EB321-MS<br><input type="checkbox"/> Ice                                                                                                                                                                                 |           |                               |      |                                                                                                                           |                 |                 |                       |                    |  |
| Pesticides (BG-500ML) (BG-1L)                                        |      | <input type="checkbox"/> W-EB321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CAR8-AA (5 ml of MCAA** Buffer Solution)<br><input type="checkbox"/> Ice |           |                               |      |                                                                                                                           |                 |                 |                       |                    |  |
|                                                                      |      | <input type="checkbox"/> Ice                                                                                                                                                                                                                                                            |           |                               |      |                                                                                                                           |                 |                 |                       |                    |  |
| Relinquished By: <u>T. Riordan</u>                                   |      | Date/Time: <u>1/21/20 1515</u>                                                                                                                                                                                                                                                          |           | Shipping Method: <u>FedEx</u> |      | Number of Coolers Shipped: <u>1</u>                                                                                       |                 | Received By:    |                       | Date/Time:         |  |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

Email Submittal form to : lab.receiving@floridadep.gov.

H2S04

LOT# SA9301030

EXP: 10/28/2020



RQ-2020- 01-06-39

Customer: WQAP

Project ID: WQAP

Collected By: Terry Riordan/Elizabeth Bates

Field Report Prepared By: Natalie Ayala/Terry Riordan

Sampling Agency: FDEP

## DUPLICATE SAMPLE

|                                    |                                                                                                                                                                                                                                                         | Comments:                                                                               |                                                             |                                        |                       |                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------|-----------------------|-----------------------------|
| Matrix: <u>Fresh</u> / Marine      |                                                                                                                                                                                                                                                         | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                                             |                                        |                       |                             |
| Date                               | Time                                                                                                                                                                                                                                                    |                                                                                         |                                                             |                                        |                       |                             |
| 01/21/2020                         | 11 58                                                                                                                                                                                                                                                   |                                                                                         | EST / CST                                                   |                                        |                       |                             |
| Parameter Suite                    | Parameter Methods                                                                                                                                                                                                                                       |                                                                                         | Preservation                                                | pH Check                               | # Bottles sent to Lab | Bottle Group                |
| Preserved Nutrients (P-500ML)      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                         |                                                                                         | <input checked="" type="checkbox"/> Ice <u>A</u> H2SO4*     | <input checked="" type="checkbox"/> <2 | 1                     | <u>11</u> <u>Q</u> <u>B</u> |
|                                    | Lot #                                                                                                                                                                                                                                                   | SA9301030                                                                               | Exp:                                                        | 10/28/2020                             |                       |                             |
| Metals (P-500ML)                   | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                                                                                                                                         |                                                                                         | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3* | <input type="checkbox"/> <2            |                       |                             |
|                                    | Lot #                                                                                                                                                                                                                                                   |                                                                                         | Exp:                                                        |                                        |                       |                             |
| Filtered Nutrients (P125ML)        | <input checked="" type="checkbox"/> W-P04-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                           |                                                                                         | <input checked="" type="checkbox"/> Ice                     |                                        | 1                     | <u>11</u> <u>Q</u> <u>B</u> |
|                                    | Filter Lot #                                                                                                                                                                                                                                            | 16930280                                                                                |                                                             |                                        |                       |                             |
|                                    | Syringe Lot #                                                                                                                                                                                                                                           | 9149785                                                                                 |                                                             |                                        |                       |                             |
| Chlorophyll (BP-1L)                | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                     |                                                                                         | <input type="checkbox"/> Ice                                |                                        |                       |                             |
| Physical/Aggregate (Fresh) (P-1L)  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SD4-IC / W-TDS                                                                                                                                           |                                                                                         | <input checked="" type="checkbox"/> Ice                     |                                        | 1                     | <u>11</u> <u>Q</u> <u>B</u> |
| Physical/Aggregate (Marine) (P-1L) | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                 |                                                                                         | <input type="checkbox"/> Ice                                |                                        |                       |                             |
| Microbiology (Contract Lab Bottle) | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab                                                                                     |                                                                                         | <input type="checkbox"/> Ice                                |                                        | 0                     | <u>11</u> <u>Q</u> <u>B</u> |
| Molecular (QPCR-P-500ML)           | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/> See Notes                                         |                                                                                         | <input type="checkbox"/> Ice                                |                                        |                       |                             |
| Tracers (BG-500ML)                 | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                                 |                                                                                         | <input type="checkbox"/> Ice                                |                                        |                       |                             |
| Pesticides (BG-500ML) (BG-1L)      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) |                                                                                         | <input type="checkbox"/> Ice                                |                                        |                       |                             |
| Name: <u>T. Riordan</u>            |                                                                                                                                                                                                                                                         | Signature: <u>[Signature]</u>                                                           |                                                             |                                        | Date: <u>1-21-20</u>  |                             |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



RQ-2020- 01-06-39

Customer: WQAP

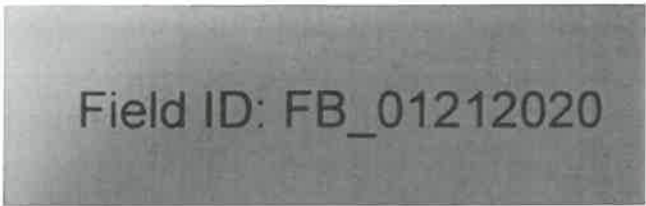
Project ID: SMP

Collected By: Terry Riordan, Elizabeth Bates

Field Report Prepared By: Natalie Ayala/Terry Riordan

Sampling Agency: FDEP

## BLANK

|  |                                                                                                                                               |                                                                                                |  |                                                                                    | Comments:                                                                               |                       |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|--------------|
|                                                                                   |                                                                                                                                               |                                                                                                |  |                                                                                    |                                                                                         |                       |              |
| Matrix: <u>Field Blank</u> / Equipment Blank / Field Cleaned Equip Blank          |                                                                                                                                               |                                                                                                |  |                                                                                    | (Check one) <input type="checkbox"/> COMPOSITE <input checked="" type="checkbox"/> GRAB |                       |              |
| Date                                                                              |                                                                                                                                               | Time                                                                                           |  | DI Source: <u>Washroom/Lab</u>                                                     |                                                                                         |                       |              |
| 01/21/2020                                                                        |                                                                                                                                               | 1250                                                                                           |  |                                                                                    |                                                                                         |                       |              |
|                                                                                   |                                                                                                                                               | EST / CST                                                                                      |  |                                                                                    |                                                                                         |                       |              |
| Parameter Suite                                                                   | Parameter Methods                                                                                                                             |                                                                                                |  | Preservation                                                                       | pH Check                                                                                | # Bottles sent to Lab | Bottle Group |
| Preserved Nutrients<br>(P-500ML)                                                  | <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* | <input checked="" type="checkbox"/> <2                                                  | 1                     | C            |
|                                                                                   | Lot #                                                                                                                                         | SA9301030                                                                                      |  | Exp:                                                                               |                                                                                         | 10/28/2020            |              |
| Metals<br>(P-500ML)                                                               | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                               |                                                                                                |  | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                        | <input type="checkbox"/> <2                                                             |                       |              |
|                                                                                   | Lot #                                                                                                                                         |                                                                                                |  | Exp:                                                                               |                                                                                         |                       |              |
| Filtered Nutrients<br>(P125ML)                                                    | <input checked="" type="checkbox"/> W-PC4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                 |                                                                                                |  | <input checked="" type="checkbox"/> Ice                                            |                                                                                         | 1                     | C            |
|                                                                                   | Filter Lot #                                                                                                                                  | 16930280                                                                                       |  |                                                                                    |                                                                                         |                       |              |
|                                                                                   | Syringe Lot #                                                                                                                                 | 9149785                                                                                        |  |                                                                                    |                                                                                         |                       |              |
| Physical/Aggregate (Fresh)<br>(P-1L)                                              | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS                                 |                                                                                                |  | <input checked="" type="checkbox"/> Ice                                            |                                                                                         | 1                     | C            |
| Physical/Aggregate (Marine)<br>(P-1L)                                             | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                       |                                                                                                |  | <input type="checkbox"/> Ice                                                       |                                                                                         |                       |              |
| Tracers<br>(BG-500ML)                                                             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                       |                                                                                                |  | <input type="checkbox"/> Ice                                                       |                                                                                         |                       |              |
| Pesticides<br>(BG-500ML) (BG-1L)                                                  | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R |                                                                                                |  | <input type="checkbox"/> Ice                                                       |                                                                                         |                       |              |
|                                                                                   | <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution)                                       |                                                                                                |  |                                                                                    |                                                                                         |                       |              |
| Name: <u>Terry Riordan</u>                                                        |                                                                                                                                               | Signature:  |  |                                                                                    | Date: <u>1-21-20</u>                                                                    |                       |              |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution