

# Log-in Checklist

RQ- 2018-09-03-28

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 09/20/18 @ 9:19

| Cooler Temperature* | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking # (fill out only if waybill copy is damaged) |
|---------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------------------------|
|                     |                                        |          |                                       | Present?      |    | *Intact? |    |                                                       |
|                     | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                                                       |
| 3.1°C               |                                        |          | 12                                    |               | X  |          |    | 4385 5033 1932                                        |
| 2.1°C               |                                        |          | 18                                    |               | X  |          |    | 4385 5033 1960                                        |
| 4.7°C               |                                        |          | 6                                     |               | X  |          |    | 4385 5033 1927                                        |
| 2.0°C               |                                        |          | 12                                    |               | X  |          |    | 4385 5033 1916                                        |
| 1.6°C               |                                        |          | 18                                    |               | X  |          |    | 4385 5033 1946                                        |
|                     |                                        |          |                                       |               |    |          |    |                                                       |

\* HNO<sub>3</sub> and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form.

**\*\*Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

\*\*Chain of Custody/ Field Sheet(s) Included? Yes ✓ No       

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes        No ✓ Date 9/20/18

## CONTAINER CHECK

\*\*Evidence Tape on Bottles? Yes        No X If yes, is it intact? Yes        No       

\*\*Caps on tight? Yes ✓ No        \*\*Containers intact? Yes ✓ No       

\*\*Sufficient Sample Volume: Yes ✓ No       

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes ✓ No        Init: kh

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |    |            |     |    |
|------------------------------------------------------------------------------------------------------|-----|----|------------|-----|----|
| Analysis                                                                                             | Yes | No | Analysis   | Yes | No |
| W-1,4 DIOX                                                                                           |     |    | W-PC-AA-SF |     |    |
| W-E8321-DI, -MS, -21                                                                                 |     | X  | W-NP-AA-SF |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT   |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PCL-SQ-R |     |    |
| W-U2060-MS                                                                                           |     |    | W-TR-TQ    |     |    |
| W-PCB-R                                                                                              |     |    | W-CT-CI-R  |     |    |
| W-PAH (-R)                                                                                           |     |    | W-PSNP-TQ  |     |    |

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No        NA        Init: kh

\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes        No        NA X Init: kh

Coolers Unpacked/Checked by: kh/te Date: 9/20/18 NCRs (Y/N)?       

Event ID: GTM NERR-Pellicer Creek SMP - 5  
NE-DIST-2018-09-20-01 (SMP) NCR #       

Date Received: 20-SEP-2018 09:11

# Log-in Checklist

## Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

## Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |

## Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

## Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## Additional Comments:

|                            |                      |
|----------------------------|----------------------|
| Infrared Thermometer ID:   | REC_05_2018          |
| pH Paper 0.0 – 3.0 Lot #   | 230515EXP:10/30/2018 |
| pH Paper 0 – 13 Lot #      | 222516EXP:09/15/2019 |
| Chlorine Test Strips Lot # | 091417V EXP:09/2021  |

## ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes \_\_\_\_\_ No ✓

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ If No \_\_\_\_\_

no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

## FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

GTM NERR-Pellicer Creek SMP - 5 + 5 Sites + 1 Field Blank

last revised Jan 25, 2018

Customer: NE-DIST

Requester: John Watts

Field Report Prepared By: Nikki Dix

Project ID: SMP

Collected By: Nikki Dix

Sampling Agency: GTMNERR/FDEP

|                                                                                                 |                                                                                                   |                                                                           |                                                                             |                                                                                 |                                        |                               |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------|-------------------------------|
| Location<br><b>Field Blank</b>                                                                  |                                                                                                   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>0933</b>  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____ | Bottle Group(s)<br>(See pg 2) |
| Field ID                                                                                        |                                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)                                     | Diss. Oxygen                                                                | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat      | Total Res. Chlorine (mg/L)             | <b>C &amp; D</b>              |
| WIN/STORET #                                                                                    |                                                                                                   | Temp (C) _____                                                            | pH _____                                                                    | Sample Depth _____                                                              | Sp. Conductance (umho/cm) _____        |                               |
| Latitude <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms                 | Longitude <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms                  | Salinity (ppt)                                                            | Comments                                                                    |                                                                                 |                                        |                               |
| Location<br><b>Pellicer Creek 1</b>                                                             |                                                                                                   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>1033</b>  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| Field ID<br><b>PC1</b>                                                                          |                                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)<br><b>Fresh</b>                     | Diss. Oxygen<br><b>70.1</b>                                                 | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat      | Total Res. Chlorine (mg/L)             | <b>B</b>                      |
| WIN/STORET #                                                                                    |                                                                                                   | Temp (C) <b>25.6</b>                                                      | pH <b>7.08</b>                                                              | Sample Depth <b>0.3</b>                                                         | Sp. Conductance (umho/cm) <b>241.5</b> |                               |
| Latitude <b>29.64217</b> <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms | Longitude <b>-81.30776</b> <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms | Salinity (ppt) <b>0.11</b>                                                | Comments                                                                    |                                                                                 |                                        |                               |
| Location<br><b>Pellicer Creek 2</b>                                                             |                                                                                                   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>09:37</b> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| Field ID<br><b>PC2</b>                                                                          |                                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)<br><b>Fresh</b>                     | Diss. Oxygen<br><b>61.4</b>                                                 | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat      | Total Res. Chlorine (mg/L)             | <b>B</b>                      |
| WIN/STORET #                                                                                    |                                                                                                   | Temp (C) <b>25.6</b>                                                      | pH <b>7.15</b>                                                              | Sample Depth <b>0.3</b>                                                         | Sp. Conductance (umho/cm) <b>236.5</b> |                               |
| Latitude <b>29.65154</b> <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms | Longitude <b>-81.30018</b> <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms | Salinity (ppt) <b>0.11</b>                                                | Comments                                                                    |                                                                                 |                                        |                               |
| Location<br><b>Pellicer Creek 3</b>                                                             |                                                                                                   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>1206</b>  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| Field ID<br><b>PC3</b>                                                                          |                                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)<br><b>Estuary</b>                   | Diss. Oxygen<br><b>58.1</b>                                                 | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat      | Total Res. Chlorine (mg/L)             | <b>A</b>                      |
| WIN/STORET #                                                                                    |                                                                                                   | Temp (C) <b>26.8</b>                                                      | pH <b>7.49</b>                                                              | Sample Depth <b>0.3</b>                                                         | Sp. Conductance (umho/cm) <b>248.4</b> |                               |
| Latitude <b>29.65002</b> <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms | Longitude <b>-81.28961</b> <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms | Salinity (ppt) <b>0.12</b>                                                | Comments                                                                    |                                                                                 |                                        |                               |

|                                      |                                      |                                 |                                          |                                       |                                       |
|--------------------------------------|--------------------------------------|---------------------------------|------------------------------------------|---------------------------------------|---------------------------------------|
| Relinquished By:<br><b>Nikki Dix</b> | Date/Time<br><b>15:00 19sept2018</b> | Shipping Method<br><b>FedEx</b> | Number of Coolers Shipped:<br><b>(5)</b> | Received By:<br><b>Tyler Reynolds</b> | Date/Time<br><b>09/20/18 @ 9:19am</b> |
|--------------------------------------|--------------------------------------|---------------------------------|------------------------------------------|---------------------------------------|---------------------------------------|

|          |                                                                                                                                                                                                                             |                |                  |               |                  |                                     |             |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|---------------|------------------|-------------------------------------|-------------|
| Group: A | Bottle Type:                                                                                                                                                                                                                | P-1L           | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab | 5           |
|          | ALKALINITY<br>TURBIDITY<br>W-F<br>W-TSS                                                                                                                                                                                     |                |                  |               |                  |                                     |             |
| Group: A | Bottle Type:                                                                                                                                                                                                                | BP-1L          | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab | 5           |
|          | CHLSUITE-W                                                                                                                                                                                                                  |                |                  |               |                  |                                     |             |
| Group: A | Bottle Type:                                                                                                                                                                                                                | P-250ML-WI-THI | # of Bottles: 10 | Preservative: | ICE              | Enter Number of Bottles Sent to Lab | (10 to AUS) |
|          | NE-ALS-ENQ<br>NE-ALS-FC                                                                                                                                                                                                     |                |                  |               |                  |                                     |             |
| Group: A | Bottle Type:                                                                                                                                                                                                                | QPCR-P-500ML   | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab | 5           |
|          | PCR-BACR<br>PCR-DG3<br>PCR-GFD<br>PCR-GULL2<br>PCR-HF183                                                                                                                                                                    |                |                  |               |                  |                                     |             |
| Group: A | Bottle Type:                                                                                                                                                                                                                | BG-500ML       | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab | 5           |
|          | W-E8321-DI<br>W-E8321-MS                                                                                                                                                                                                    |                |                  |               |                  |                                     |             |
| Group: A | Bottle Type:                                                                                                                                                                                                                | P-500ML        | # of Bottles: 5  | Preservative: | ICE And H2SO4    | Enter Number of Bottles Sent to Lab | 5           |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                                                                                                                                                             |                |                  |               |                  |                                     |             |
| Group: A | Bottle Type:                                                                                                                                                                                                                | P-500ML        | # of Bottles: 5  | Preservative: | FILTER-H2SO4-ICE | Enter Number of Bottles Sent to Lab | 5           |
|          | W-TKN-F<br><div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div> <p>H2SO4<br/>LOT# SA8101020<br/>EXP: 04/11/2019</p> </div> <div style="font-size: 2em; color: blue;">X5</div> </div> |                |                  |               |                  |                                     |             |
| Group: B | Bottle Type:                                                                                                                                                                                                                | P-1L           | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab | 5           |
|          | ALKALINITY<br>TURBIDITY<br>W-F<br>W-TSS                                                                                                                                                                                     |                |                  |               |                  |                                     |             |
| Group: B | Bottle Type:                                                                                                                                                                                                                | BP-1L          | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab | 5           |



|          |                                                                          |                |                 |                                            |                                     |            |
|----------|--------------------------------------------------------------------------|----------------|-----------------|--------------------------------------------|-------------------------------------|------------|
| Group: B | Bottle Type:<br>CHLSUITE-W                                               | BP-1L          | # of Bottles: 5 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | 5          |
| Group: B | Bottle Type:<br>NE-ALS-ECQ                                               | P-250ML-WI-THI | # of Bottles: 5 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | (5 to ALS) |
| Group: B | Bottle Type:<br>NE-ALS-FC                                                | P-120ML-WC-THI | # of Bottles: 5 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | (5 to ALS) |
| Group: B | Bottle Type:<br>PCR-BACR<br>PCR-DG3<br>PCR-GFD<br>PCR-GULL2<br>PCR-HF183 | QPCR-P-500ML   | # of Bottles: 5 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | 5          |
| Group: B | Bottle Type:<br>W-E8321-DI<br>W-E8321-MS                                 | BG-500ML       | # of Bottles: 5 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | 5          |
| Group: B | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC          | P-500ML        | # of Bottles: 5 | Preservative: ICE And H2SO4                | Enter Number of Bottles Sent to Lab | 5          |
|          |                                                                          |                |                 | H2SO4<br>LOT# SA8101020<br>EXP: 04/11/2019 | X5                                  |            |
| Group: B | Bottle Type:<br>W-TKN-F                                                  | P-500ML        | # of Bottles: 5 | Preservative: FILTER-H2SO4-ICE             | Enter Number of Bottles Sent to Lab | 5          |
|          |                                                                          |                |                 | H2SO4<br>LOT# SA8101020<br>EXP: 04/11/2019 | X5                                  |            |
| Group: C | Bottle Type:<br>ALKALINITY<br>TURBIDITY<br>W-F<br>W-TSS                  | P-1L           | # of Bottles: 1 | Preservative: ICE                          | Sent to Lab                         | 1          |
| Group: C | Bottle Type:<br>CHLSUITE-W                                               | BP-1L          | # of Bottles: 1 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | 1          |
| Group: C | Bottle Type:<br>NE-ALS-ENQ                                               | P-250ML-WI-THI | # of Bottles: 2 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | 2 + 2      |

|          |                                                                                       |                 |                                  |                                                      |
|----------|---------------------------------------------------------------------------------------|-----------------|----------------------------------|------------------------------------------------------|
| Group: C | Bottle Type: P-250ML-WI-THI<br>NE-ALS-FC                                              | # of Bottles: 2 | Preservative: ICE                | Enter Number of Bottles Sent to Lab <u>2</u>         |
| Group: C | Bottle Type: QPCR-P-500ML<br>PCR-BACR<br>PCR-DG3<br>PCR-GFD<br>PCR-GULL2<br>PCR-HF183 | # of Bottles: 1 | Preservative: ICE                | Enter Number of Bottles Sent to Lab <u>1</u>         |
| Group: C | Bottle Type: BG-500ML<br>W-E8321-DI<br>W-E8321-MS                                     | # of Bottles: 1 | Preservative: ICE                | Enter Number of Bottles Sent to Lab <u>1</u>         |
| Group: C | Bottle Type: P-500ML<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC               | # of Bottles: 1 | Preservative: ICE And H2SO4      | Enter Number of Bottles Sent to Lab <u>1</u>         |
| Group: C | Bottle Type: P-500ML<br>W-TKN-F                                                       | # of Bottles: 1 | Preservative: FILTER-H2SO4<br>CE | Enter Number of Bottles Sent to Lab <u>1</u>         |
| Group: D | Bottle Type: P-1L<br>ALKALINITY<br>TURBIDITY<br>W-F<br>W-TSS                          | # of Bottles: 1 | Preservative: ICE                | Enter Number of Bottles Sent to Lab <u>1 (empty)</u> |
| Group: D | Bottle Type: BP-1L<br>CHLSUITE-W                                                      | # of Bottles: 1 | Preservative: ICE                | Enter Number of Bottles Sent to Lab <u>1 (empty)</u> |
| Group: D | Bottle Type: P-250ML-WI-THI<br>NE-ALS-ECQ                                             | # of Bottles: 1 | Preservative: ICE                | Enter Number of Bottles Sent to Lab <u>1 (empty)</u> |
| Group: D | Bottle Type: P-120ML-WC-THI<br>NE-ALS-FC                                              | # of Bottles: 1 | Preservative: ICE                | Enter Number of Bottles Sent to Lab <u>1 (empty)</u> |
| Group: D | Bottle Type: QPCR-P-500ML<br>PCR-BACR                                                 | # of Bottles: 1 | Preservative: ICE                | Enter Number of Bottles Sent to Lab <u>1 (empty)</u> |

H2SO4  
LOT# SA8101020  
EXP: 04/11/2019

H2SO4  
LOT# SA8101020  
EXP: 04/11/2019

|          |                           |                 |                                |                                     |           |
|----------|---------------------------|-----------------|--------------------------------|-------------------------------------|-----------|
| Group: D | Bottle Type: QPCR-P-500ML | # of Bottles: 1 | Preservative: ICE              | Enter Number of Bottles Sent to Lab | 1 (empty) |
|          | PCR-DG3                   |                 |                                |                                     |           |
|          | PCR-GFD                   |                 |                                |                                     |           |
|          | PCR-GULL2                 |                 |                                |                                     |           |
|          | PCR-HF183                 |                 |                                |                                     |           |
| Group: D | Bottle Type: BG-500ML     | # of Bottles: 1 | Preservative: ICE              | Enter Number of Bottles Sent to Lab | 1 (empty) |
|          | W-E8321-DI                |                 |                                |                                     |           |
|          | W-E8321-MS                |                 |                                |                                     |           |
| Group: D | Bottle Type: P-500ML      | # of Bottles: 1 | Preservative: ICE And H2SO4    | Enter Number of Bottles Sent to Lab | 1 (empty) |
|          | W-NH3                     |                 |                                |                                     |           |
|          | W-NO2NO3                  |                 |                                |                                     |           |
|          | W-S-A-TP                  |                 |                                |                                     |           |
|          | W-TKN                     |                 |                                |                                     |           |
|          | W-TOC                     |                 |                                |                                     |           |
| Group: D | Bottle Type: P-500ML      | # of Bottles: 1 | Preservative: FILTER-H2SO4-ICE | Enter Number of Bottles Sent to Lab | 1 (empty) |
|          | W-TKN-F                   |                 |                                |                                     |           |

GTM NERR-Pellicer Creek SMP - 5 + 5 Sites + 1 Field Blank

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: John Watts

Field Report Prepared By: Nikki Dix

Project ID: SMP

Collected By: Nikki Dix

Sampling Agency: GTMNERR/FDEP

|                                     |                                                                        |                                                                           |                                                                             |                                                                                 |                                                                            |                                           |
|-------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------|
| Location<br><b>Pellicer Creek 4</b> |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>11:13</b> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time                                              | Bottle Group(s)<br>(See pg 2)             |
| Field ID<br><b>PC4</b>              |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br><b>Brackish Estuary</b>          |                                                                             | Diss. Oxygen<br><b>39.9</b>                                                     | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)             |
| WIN/STORET #                        |                                                                        | Temp<br>(C) <b>26.9</b>                                                   | pH <b>7.38</b>                                                              | Sample Depth<br><b>0.3</b>                                                      | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) <b>258.4</b> |
| Latitude<br><b>29.65138</b>         | <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms | Longitude<br><b>-81.28703</b>                                             | <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms      | Salinity<br>(ppt) <b>0.12</b>                                                   | Comments                                                                   |                                           |
| Location<br><b>Pellicer Creek 5</b> |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>10:43</b> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time                                              | Bottle Group(s)                           |
| Field ID<br><b>PC5</b>              |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br><b>Estuary</b>                   |                                                                             | Diss. Oxygen<br><b>47.8</b>                                                     | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)             |
| WIN/STORET #                        |                                                                        | Temp<br>(C) <b>29.2</b>                                                   | pH <b>7.37</b>                                                              | Sample Depth<br><b>0.3</b>                                                      | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) <b>4108</b>  |
| Latitude<br><b>29.65947</b>         | <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms | Longitude<br><b>-81.27238</b>                                             | <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms      | Salinity<br>(ppt) <b>2.17</b>                                                   | Comments                                                                   |                                           |
| Location<br><b>Pellicer Creek 6</b> |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>10:10</b> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time                                              | Bottle Group(s)                           |
| Field ID<br><b>PC6</b>              |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br><b>Estuary</b>                   |                                                                             | Diss. Oxygen<br><b>51.0</b>                                                     | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)             |
| WIN/STORET #                        |                                                                        | Temp<br>(C) <b>29.9</b>                                                   | pH <b>7.17</b>                                                              | Sample Depth<br><b>0.3</b>                                                      | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) <b>8500</b>  |
| Latitude<br><b>29.66401</b>         | <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms | Longitude<br><b>-81.26621</b>                                             | <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms      | Salinity<br>(ppt) <b>4.74</b>                                                   | Comments                                                                   |                                           |
| Location<br><b>Pellicer Creek 7</b> |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>0931</b>  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time                                              | Bottle Group(s)                           |
| Field ID<br><b>PC7</b>              |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br><b>Estuary</b>                   |                                                                             | Diss. Oxygen<br><b>56.7</b>                                                     | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)             |
| WIN/STORET #                        |                                                                        | Temp<br>(C) <b>29.1</b>                                                   | pH <b>7.68</b>                                                              | Sample Depth<br><b>0.3</b>                                                      | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) <b>34026</b> |
| Latitude<br><b>29.65812</b>         | <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms | Longitude<br><b>-81.24422</b>                                             | <input type="checkbox"/> dd<br><input checked="" type="checkbox"/> dms      | Salinity<br>(ppt) <b>21.25</b>                                                  | Comments<br><b>TKNF collected at 12:50</b>                                 |                                           |

|                  |           |                 |                            |                                       |                                       |
|------------------|-----------|-----------------|----------------------------|---------------------------------------|---------------------------------------|
| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By:<br><b>Tyler Reynolds</b> | Date/Time<br><b>09/20/18 @ 9:19am</b> |
|------------------|-----------|-----------------|----------------------------|---------------------------------------|---------------------------------------|



|          |                                                          |                |                  |               |                  |                                           |
|----------|----------------------------------------------------------|----------------|------------------|---------------|------------------|-------------------------------------------|
| Group: A | Bottle Type:                                             | P-1L           | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab _____ |
|          | ALKALINITY<br>TURBIDITY<br>W-F<br>W-TSS                  |                |                  |               |                  |                                           |
| Group: A | Bottle Type:                                             | BP-1L          | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W                                               |                |                  |               |                  |                                           |
| Group: A | Bottle Type:                                             | P-250ML-WI-THI | # of Bottles: 10 | Preservative: | ICE              | Enter Number of Bottles Sent to Lab _____ |
|          | NE-ALS-ENQ<br>NE-ALS-FC                                  |                |                  |               |                  |                                           |
| Group: A | Bottle Type:                                             | QPCR-P-500ML   | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab _____ |
|          | PCR-BACR<br>PCR-DG3<br>PCR-GFD<br>PCR-GULL2<br>PCR-HF183 |                |                  |               |                  |                                           |
| Group: A | Bottle Type:                                             | BG-500ML       | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab _____ |
|          | W-E8321-DI<br>W-E8321-MS                                 |                |                  |               |                  |                                           |
| Group: A | Bottle Type:                                             | P-500ML        | # of Bottles: 5  | Preservative: | ICE And H2SO4    | Enter Number of Bottles Sent to Lab _____ |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC          |                |                  |               |                  |                                           |
| Group: A | Bottle Type:                                             | P-500ML        | # of Bottles: 5  | Preservative: | FILTER-H2SO4-ICE | Enter Number of Bottles Sent to Lab _____ |
|          | W-TKN-F                                                  |                |                  |               |                  |                                           |
| Group: B | Bottle Type:                                             | P-1L           | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab _____ |
|          | ALKALINITY<br>TURBIDITY<br>W-F<br>W-TSS                  |                |                  |               |                  |                                           |
| Group: B | Bottle Type:                                             | BP-1L          | # of Bottles: 5  | Preservative: | ICE              | Enter Number of Bottles Sent to Lab _____ |

GTM NERR-Pellicer Creek SMP - 5 + 5 Sites + 1 Field Blank

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: John Watts

Field Report Prepared By: Nikki Dix

Project ID: SMP

Collected By: Nikki Dix

Sampling Agency: GTMNERR/FDEP

|                                   |                                                                           |                                                                             |                                                                                 |                                           |                                  |
|-----------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|
| Location<br><b>Dave Branch</b>    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>11:24</b> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time             | Bottle<br>Group(s)<br>(See pg 2) |
| Field ID<br><b>DB</b>             | Matrix (type, e.g., Salt, Fresh, etc)<br><b>Fresh</b>                     | Diss. Oxygen<br><b>34.0</b>                                                 | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)             | <b>B</b>                         |
| WIN/STORET #                      | Temp<br>(C) <b>24.8</b>                                                   | pH<br><b>6.90</b>                                                           | Sample<br>Depth <b>0.3</b>                                                      | Sp. Conductance<br>(umho/cm) <b>221.2</b> |                                  |
| Latitude<br><b>29.64064</b>       | Longitude<br><b>-81.31582</b>                                             | Salinity<br>(ppt) <b>0.1</b>                                                | Comments                                                                        |                                           |                                  |
| Location<br><b>Stevens Branch</b> | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>0940</b>  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time             | Bottle<br>Group(s)               |
| Field ID<br><b>SB</b>             | Matrix (type, e.g., Salt, Fresh, etc)<br><b>Fresh</b>                     | Diss. Oxygen                                                                | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)             | <b>B</b>                         |
| WIN/STORET #                      | Temp<br>(C) <b>25.4</b>                                                   | pH<br><b>7.25</b>                                                           | Sample<br>Depth <b>0.3</b>                                                      | Sp. Conductance<br>(umho/cm) <b>310.6</b> |                                  |
| Latitude<br><b>29.64417</b>       | Longitude<br><b>-81.31345</b>                                             | Salinity<br>(ppt) <b>0.15</b>                                               | Comments<br><b>tests switched for containers 003433 + 003445</b>                |                                           |                                  |
| Location<br><b>Cracker Branch</b> | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <b>19Sept2018</b> Time <b>1135</b>  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time             | Bottle<br>Group(s)               |
| Field ID<br><b>CB</b>             | Matrix (type, e.g., Salt, Fresh, etc)<br><b>Fresh</b>                     | Diss. Oxygen<br><b>74.1</b>                                                 | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)             | <b>B</b>                         |
| WIN/STORET #                      | Temp<br>(C) <b>26.6</b>                                                   | pH<br><b>7.10</b>                                                           | Sample<br>Depth <b>0.3</b>                                                      | Sp. Conductance<br>(umho/cm) <b>295.9</b> |                                  |
| Latitude<br><b>29.65237</b>       | Longitude<br><b>-81.28831</b>                                             | Salinity<br>(ppt) <b>0.14</b>                                               | Comments                                                                        |                                           |                                  |
| Location                          | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date<br>Time                             | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            | Composite end<br>Date<br>Time             | Bottle<br>Group(s)               |
| Field ID                          | Matrix (type, e.g., Salt, Fresh, etc)                                     | Diss. Oxygen                                                                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine<br>(mg/L)             |                                  |
| WIN/STORET #                      | Temp<br>(C)                                                               | pH                                                                          | Sample<br>Depth                                                                 | Sp. Conductance<br>(umho/cm)              |                                  |
| Latitude                          | Longitude                                                                 | Salinity<br>(ppt)                                                           | Comments                                                                        |                                           |                                  |

|                  |           |                 |                            |                                       |                                      |
|------------------|-----------|-----------------|----------------------------|---------------------------------------|--------------------------------------|
| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By:<br><b>Tyler Reynolds</b> | Date/Time<br><b>09/20/18 @ 9:19a</b> |
|------------------|-----------|-----------------|----------------------------|---------------------------------------|--------------------------------------|

|          |                                                          |                |                  |               |                      |                                           |
|----------|----------------------------------------------------------|----------------|------------------|---------------|----------------------|-------------------------------------------|
| Group: A | Bottle Type:                                             | P-1L           | # of Bottles: 5  | Preservative: | ICE                  | Enter Number of Bottles Sent to Lab _____ |
|          | ALKALINITY<br>TURBIDITY<br>W-F<br>W-TSS                  |                |                  |               |                      |                                           |
| Group: A | Bottle Type:                                             | BP-1L          | # of Bottles: 5  | Preservative: | ICE                  | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W                                               |                |                  |               |                      |                                           |
| Group: A | Bottle Type:                                             | P-250ML-WI-THI | # of Bottles: 10 | Preservative: | ICE                  | Enter Number of Bottles Sent to Lab _____ |
|          | NE-ALS-ENQ<br>NE-ALS-FC                                  |                |                  |               |                      |                                           |
| Group: A | Bottle Type:                                             | QPCR-P-500ML   | # of Bottles: 5  | Preservative: | ICE                  | Enter Number of Bottles Sent to Lab _____ |
|          | PCR-BACR<br>PCR-DG3<br>PCR-GFD<br>PCR-GULL2<br>PCR-HF183 |                |                  |               |                      |                                           |
| Group: A | Bottle Type:                                             | BG-500ML       | # of Bottles: 5  | Preservative: | ICE                  | Enter Number of Bottles Sent to Lab _____ |
|          | W-E8321-DI<br>W-E8321-MS                                 |                |                  |               |                      |                                           |
| Group: A | Bottle Type:                                             | P-500ML        | # of Bottles: 5  | Preservative: | ICE And H2SO4        | Enter Number of Bottles Sent to Lab _____ |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC          |                |                  |               |                      |                                           |
| Group: A | Bottle Type:                                             | P-500ML        | # of Bottles: 5  | Preservative: | FILTER-H2SO4-I<br>CE | Enter Number of Bottles Sent to Lab _____ |
|          | W-TKN-F                                                  |                |                  |               |                      |                                           |
| Group: B | Bottle Type:                                             | P-1L           | # of Bottles: 5  | Preservative: | ICE                  | Enter Number of Bottles Sent to Lab _____ |
|          | ALKALINITY<br>TURBIDITY<br>W-F<br>W-TSS                  |                |                  |               |                      |                                           |
| Group: B | Bottle Type:                                             | BP-1L          | # of Bottles: 5  | Preservative: | ICE                  | Enter Number of Bottles Sent to Lab _____ |

Cooler Packing Worksheet for Request: RQ-2018-09-03-28  
GTM NERR-Pellicer Creek SMP - 5 + 5 Sites + 1 Field Blank

Ship Cooler On: 9/6/2018  
Customer/Project: NE-DIST/SMP

Assigned To: REYNOLDS\_T  
Requester: John Watts  
Priority: 3

904-823-4500  
GTN NERR  
505 Guana River Rd.  
Ponte Vedra Beach, FL 32082  
  
Attn: Jimmy Tomazinis

Comments:

A - 5 samples (OV ENQ, FC) — Brackish  
B - 5 samples (OV ECQ, FC) — Fresh  
C - 1 field blank OV ENQ, FC)  
D - 1 field blank OV ECQ, FC)

3 - liters of DI water  
1 - case sulfuric acid  
2 - sets of sulfuric acid labels

Requested Analyses:

Bottle Group: A

# of Sites: 5

Container ID: P-1L

Qty: 5      Preservation: ICE

Lot # 60871878

Description: Plastic Bottle 1L

Analysis

ALKALINITY  
TURBIDITY  
W-F  
W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO<sub>3</sub>/L  
Turbidity in aqueous matrices  
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)  
Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 5      Preservation: ICE

Lot # 1232362

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry



Container ID: P-250ML-WI-THI

Qty: 10 Preservation: ICE

Lot # L18005

Description: 250 ml Sterilized with tablet

**Analysis**

NE-ALS-ENQ

NE-ALS-FC

**Description**

Enterococci by Enterolert Quanti-Tray Method by ALS Environmental Laboratory in Jacksonville

Fecal coliforms by membrane filter method by ALS Environmental Laboratories in Jacksonville

Container ID: QPCR-P-500ML

Qty: 5 Preservation: ICE

Lot # 60071457

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

**Analysis**

PCR-BACR

PCR-DG3

PCR-GFD

PCR-GULL2

PCR-HF183

**Description**

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction

Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction

Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML

Qty: 5 Preservation: ICE

Lot # 60071432

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

**Analysis**

W-E8321-DI

W-E8321-MS

**Description**

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 5 Preservation: ICE And H2SO4

Lot # 60072044

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-500ML

Qty: 5 Preservation: FILTER-H2SO4-ICE

Lot # 6007244

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-TKN-F

Description

Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices

Bottle Group: B

# of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 6071878

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-F

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 5 Preservation: ICE

Lot # 1252362

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WI-THI

Qty: 5 Preservation: ICE

Lot # 618605

Description: 250 ml Sterilized with tablet

Analysis

NE-ALS-ECQ

Description

Escherichia coli by Collert Quanti-Tray method by ALS Environmental Laboratory in Jacksonville

Container ID: P-120ML-WC-THI

Qty: 5 Preservation: ICE

Lot # 6402

Description: 120 ml Sterilized White Cap with tablet

Analysis

NE-ALS-FC

Description

Fecal coliforms by membrane filter method by ALS Environmental Laboratories in Jacksonville

Container ID: QPCR-P-500ML

Qty: 5 Preservation: ICE

Lot # 00071457

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

**Analysis**

PCR-BACR

PCR-DG3

PCR-GFD

PCR-GULL2

PCR-HF183

**Description**

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction

Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction

Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML

Qty: 5 Preservation: ICE

Lot # 00071432

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

**Analysis**

W-E8321-DI

W-E8321-MS

**Description**

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 5 Preservation: ICE And H2SO4

Lot # 00072044

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-500ML

Qty: 5 Preservation: FILTER-H2SO4-ICE

Lot # 00072044

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-TKN-F

**Description**

Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices

**Bottle Group: C**

**# of Sites: 1**

Container ID: P-1L  
Description: Plastic Bottle 1L

Qty: 1    Preservation: ICE

Lot # 60671478

**Analysis**

ALKALINITY  
TURBIDITY  
W-F  
W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO<sub>3</sub>/L  
Turbidity in aqueous matrices  
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)  
Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L  
Description: Brown Plastic Bottle 1L

Qty: 1    Preservation: ICE

Lot # 1232362

**Analysis**

CHLSUITE-W

**Description**

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WI-THI  
Description: 250 ml Sterilized with tablet

Qty: 2    Preservation: ICE

Lot # 618005

**Analysis**

NE-ALS-ENQ  
NE-ALS-FC

**Description**

Enterococci by Enterolert Quanti-Tray Method by ALS Environmental Laboratory in Jacksonville  
Fecal coliforms by membrane filter method by ALS Environmental Laboratories in Jacksonville

Container ID: QPCR-P-500ML  
Description: 500ml Sterile Nalgene

Qty: 1    Preservation: ICE

Lot # 60071457

Affix PCR Instruction Label to container

**Analysis**

PCR-BACR  
PCR-DG3  
PCR-GFD  
PCR-GULL2  
PCR-HF183

**Description**

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction  
Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction  
Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction  
Detection and quantification of coastal bird specific Catellicoccus marimammaliu Gull2 genetic marker with quantitative polymerase chain reaction  
Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML  
Description: Brown Glass Bottle 500ML

Qty: 1    Preservation: ICE

Lot # 60071432

Affix BLUE dot to container.

**Analysis**

W-E8321-DI

**Description**

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS



Container ID: P-500ML Qty: 1 Preservation: ICE And H2SO4 Lot # 00072044  
Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3  
W-NO2NO3  
W-S-A-TP  
W-TKN  
W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L  
Nitrite/Nitrate in aqueous matrices as mg N/L  
Total Phosphorus in aqueous matrices as mg P/L  
Total Kjeldahl Nitrogen in aqueous matrices  
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-500ML Qty: 1 Preservation: FILTER-H2SO4-ICE Lot # 00072044  
Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-TKN-F

**Description**

Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices

**Bottle Group: D****# of Sites: 1**

Container ID: P-1L Qty: 1 Preservation: ICE Lot # 00071878  
Description: Plastic Bottle 1L

**Analysis**

ALKALINITY  
TURBIDITY  
W-F  
W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L  
Turbidity in aqueous matrices  
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)  
Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L Qty: 1 Preservation: ICE Lot # 1232362  
Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WI-THI Qty: 1 Preservation: ICE Lot # L1800Y  
Description: 250 ml Sterilized with tablet

**Analysis****Description**

Container ID: P-120ML-WC-THI Qty: 1 Preservation: ICE

Lot # 6402

Description: 120 ml Sterilized White Cap with tablet

Analysis

NE-ALS-FC

Description

Fecal coliforms by membrane filter method by ALS Environmental Laboratories in Jacksonville

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 00071457

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-BACR

PCR-DG3

PCR-GFD

PCR-GULL2

PCR-HF183

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction

Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction

Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00071432

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00072044

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-500ML

Qty: 1

Preservation: FILTER-H2SO4-ICE

Lot # <sup>2044</sup> ~~00070528~~

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-TKN-F

**Description**

Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices

Cooler Packed By: Tyler R.

Number of Coolers: 5

Date: 09/05/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

|                         |                     |                      |
|-------------------------|---------------------|----------------------|
| ID <u>sulfuric acid</u> | Exp <u>04/11/19</u> | Lot # <u>8101020</u> |
| ID _____                | Exp _____           | Lot # _____          |
| ID _____                | Exp _____           | Lot # _____          |
| ID _____                | Exp _____           | Lot # _____          |
| ID _____                | Exp _____           | Lot # _____          |

**PLEASE RETURN ALL COOLERS FOR RQ-2018-09-03-28**

Date of Request: 01-AUG-2018  
 Created By: WATTS\_J On: 01-AUG-2018  
 Modified By: SWANSON\_C On: 04-SEP-2018  
 Customer: NE-DIST  
 Project: SMP  
 Division: Office of Coastal and Aquatic Managed Areas  
 District:  
 Sampling Event: GTM NERR-Pellicer Creek SMP - 5 + 5 Sites + 1 Field Blank

**Send Coolers To:**

Phone: 904-823-4500  
 GTN NERR  
 505 Guana River Rd.  
 Ponte Vedra Beach, FL 32082  
 Attn: Jimmy Tomazinis

**Send Final Report To:**

2600 Blair Stone Rd.  
 MS 3560  
 Tallahassee, FL 32399-2400  
 Attn: Alicia Hogue

**Program Module Number:**

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 29-AUG-2018  
 Biology Request Reviewed By: SWANSON\_C On: 04-SEP-2018  
 Sampling Kit Required: YES Ship on: 06-SEP-2018  
 Sampling Kit Shipped: YES On: 05-SEP-2018  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: YES  
 Date to Receive Samples: 03-SEP-2018  
 Received By:

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments: A - 5 samples (OV ENQ, FC)  
 B - 5 samples (OV ECQ, FC)  
 C - 1 field blank OV ENQ, FC)  
 D - 1 field blank OV ECQ, FC)  
  
 3 - liters of DI water  
 1 - case sulfuric acid  
 2 - sets of sulfuric acid labels

**Bottle Group A (Water) With 5 Samples:**

|                             |                       |                                                                                                                                                                  |
|-----------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 5  | Preserved With: ICE                                                                                                                                              |
| ALKALINITY                  | Template: DEFAULT     | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                                         |
| TURBIDITY                   | Template: DEFAULT     | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                                               |
| W-F                         | Template: DEFAULT     | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                                             |
| W-TSS                       | Template: DEFAULT     | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                                    |
| Bottle Type: BP-1L          | Number of Bottles: 5  | Preserved With: ICE                                                                                                                                              |
| CHLSUITE-W                  | Template: DEFAULT     | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                                     |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 10 | Preserved With: ICE                                                                                                                                              |
| NE-ALS-ENQ                  | Template: DEFAULT     | (ASTM D650399) Enterococci by Enterolert Quanti-Tray Method by ALS Environmental Laboratory in Jacksonville                                                      |
| NE-ALS-FC                   | Template: DEFAULT     | (SM 9222 D) Fecal coliforms by membrane filter method by ALS Environmental Laboratories in Jacksonville                                                          |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 5  | Preserved With: ICE                                                                                                                                              |
| PCR-BACR                    | Template: DEFAULT     | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction                    |
| PCR-DG3                     | Template: DEFAULT     | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction                         |
| PCR-GFD                     | Template: DEFAULT     | (SOP-PCR-1.3) Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction                          |
| PCR-GULL2                   | Template: DEFAULT     | (SOP-PCR-1.2) Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction |

**Bottle Group A (Water) With 5 Samples:**

|                           |                      |                                                                                                                                           |
|---------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML | Number of Bottles: 5 | Preserved With: ICE                                                                                                                       |
| PCR-HF183                 | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |
| Bottle Type: BG-500ML     | Number of Bottles: 5 | Preserved With: ICE                                                                                                                       |
| W-E8321-DI                | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                   |
| W-E8321-MS                | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                   |
| Bottle Type: P-500ML      | Number of Bottles: 5 | Preserved With: ICE And H2SO4                                                                                                             |
| W-NH3                     | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                |
| W-NO2NO3                  | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                        |
| W-S-A-TP                  | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                       |
| W-TKN                     | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                          |
| W-TOC                     | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                            |
| Bottle Type: P-500ML      | Number of Bottles: 5 | Preserved With: FILTER-H2SO4-ICE                                                                                                          |
| W-TKN-F                   | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices                                                    |

**Bottle Group B (Water) With 5 Samples:**

|                             |                      |                                                                                                                                                                  |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 5 | Preserved With: ICE                                                                                                                                              |
| NE-ALS-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert Quanti-Tray method by ALS Environmental Laboratory in Jacksonville                                          |
| Bottle Type: P-120ML-WC-THI | Number of Bottles: 5 | Preserved With: ICE                                                                                                                                              |
| NE-ALS-FC                   | Template: DEFAULT    | (SM 9222 D) Fecal coliforms by membrane filter method by ALS Environmental Laboratories in Jacksonville                                                          |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 5 | Preserved With: ICE                                                                                                                                              |
| PCR-BACR                    | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction                    |
| PCR-DG3                     | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction                         |
| PCR-GFD                     | Template: DEFAULT    | (SOP-PCR-1.3) Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction                          |
| PCR-GULL2                   | Template: DEFAULT    | (SOP-PCR-1.2) Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction |
| PCR-HF183                   | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction                        |
| Bottle Type: BG-500ML       | Number of Bottles: 5 | Preserved With: ICE                                                                                                                                              |
| W-E8321-DI                  | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                                          |
| W-E8321-MS                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                                          |
| Bottle Type: P-500ML        | Number of Bottles: 5 | Preserved With: ICE And H2SO4                                                                                                                                    |
| W-NH3                       | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                                       |
| W-NO2NO3                    | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                                               |
| W-S-A-TP                    | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                                              |
| W-TKN                       | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                                                 |
| W-TOC                       | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                                                   |
| Bottle Type: P-500ML        | Number of Bottles: 5 | Preserved With: FILTER-H2SO4-ICE                                                                                                                                 |
| W-TKN-F                     | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices                                                                           |
| Bottle Type: P-1L           | Number of Bottles: 5 | Preserved With: ICE                                                                                                                                              |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                                      |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                                               |
| W-F                         | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                                             |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                                    |
| Bottle Type: BP-1L          | Number of Bottles: 5 | Preserved With: ICE                                                                                                                                              |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                                     |

**Bottle Group C (Water) With 1 Samples:**

|                   |                      |                                                                                                      |
|-------------------|----------------------|------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L | Number of Bottles: 1 | Preserved With: ICE                                                                                  |
| ALKALINITY        | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                          |
| TURBIDITY         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                   |
| W-F               | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-TSS             | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample        |

**Bottle Group C (Water) With 1 Samples:**

|                             |                      |                                                                                                                                                                  |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                                              |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                                     |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                                                                              |
| NE-ALS-ENQ                  | Template: DEFAULT    | (ASTM D650399) Enterococci by Enterolert Quanti-Tray Method by ALS Environmental Laboratory in Jacksonville                                                      |
| NE-ALS-FC                   | Template: DEFAULT    | (SM 9222 D) Fecal coliforms by membrane filter method by ALS Environmental Laboratories in Jacksonville                                                          |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                                              |
| PCR-BACR                    | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction                    |
| PCR-DG3                     | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction                         |
| PCR-GFD                     | Template: DEFAULT    | (SOP-PCR-1.3) Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction                          |
| PCR-GULL2                   | Template: DEFAULT    | (SOP-PCR-1.2) Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction |
| PCR-HF183                   | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction                        |
| Bottle Type: BG-500ML       | Number of Bottles: 1 | Preserved With: ICE                                                                                                                                              |
| W-E8321-DI                  | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                                          |
| W-E8321-MS                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                                          |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                                                                                    |
| W-NH3                       | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                                       |
| W-NO2NO3                    | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                                               |
| W-S-A-TP                    | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                                              |
| W-TKN                       | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                                                 |
| W-TOC                       | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                                                   |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: FILTER-H2SO4-ICE                                                                                                                                 |
| W-TKN-F                     | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices                                                                           |

**Bottle Group D (Water) With 1 Samples:**

|                             |                      |                                                                                                                                                                  |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                                                              |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                                      |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                                               |
| W-F                         | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                                             |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                                    |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                                              |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                                     |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                                              |
| NE-ALS-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert Quanti-Tray method by ALS Environmental Laboratory in Jacksonville                                          |
| Bottle Type: P-120ML-WC-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                                              |
| NE-ALS-FC                   | Template: DEFAULT    | (SM 9222 D) Fecal coliforms by membrane filter method by ALS Environmental Laboratories in Jacksonville                                                          |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                                              |
| PCR-BACR                    | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction                    |
| PCR-DG3                     | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction                         |
| PCR-GFD                     | Template: DEFAULT    | (SOP-PCR-1.3) Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction                          |
| PCR-GULL2                   | Template: DEFAULT    | (SOP-PCR-1.2) Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction |
| PCR-HF183                   | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction                        |
| Bottle Type: BG-500ML       | Number of Bottles: 1 | Preserved With: ICE                                                                                                                                              |
| W-E8321-DI                  | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                                          |
| W-E8321-MS                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                                          |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                                                                                    |
| W-NH3                       | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                                       |



**Bottle Group D (Water) With 1 Samples:**

|                      |                      |                                                                                        |
|----------------------|----------------------|----------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                          |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                     |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                    |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                       |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                         |
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: FILTER-H2SO4-ICE                                                       |
| W-TKN-F              | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices |

\* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.