# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
# STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

Data Qualified? Yes / (No)

**WIN Station Name:** Coon Creek 100 Meters Upstream of CR69 **Date:** 9/26/2018 (mm/dd/yyyy)

**WIN/ Field ID:** G2WA0005 **WBID:** 885 **Latitude:** 30.3929 (Decimal Degrees)

**County:** Calhoun **ORG ID:** 21FLWQA **Longitude:** -85.0625 (Decimal Degrees)

**Receiving Body of Water:** Apalachicola River **RQ-2018-** 09-17-15

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| Jason Storrs | | X | | | |
| Blake Spencer | | | | | |
| | | | | | |

**Sampling Equipment**

- [X] Sample Container ☐ Van Dorn ☐ Pole
- ☐ Carboy ☐ Syringe
- ☐ Dipper ☐ Other _____

Depth Measured with _____

Equipment ID _____

**Collection Method**

- [X] Wading ☐ Canoe/Kayak
- ☐ From Shore ☐ Electric Motor
- ☐ Other _____ ☐ Gasoline Motor

**Water Level:** Dry/ Pooled/ Low / (Normal) / High / Flooded

**Meter ID#** Biology #2

**Matrix:** (Fresh) / Marine / DI

**Photos:** Yes / (No)

**Flow:** No Flow / Intestital / (Flowing) / NA

**Tide:** Rising/ Falling/ Slack/ (NA)

**Tide Times:** High NA Low NA

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L) | DO (%SAT) | pH | Salinity (PPTh) | Sp COND (µmhos/cm) | Temp. ($C^0$) |
|---|---|---|---|---|---|---|---|---|---|---|
| EST | 1220 | | | | | | | | | |
| CEN | | | | | | | | | | |

**Biological Samples Collected:** None HA SCI RPS Algae ID LVS LVI Other:

**SBIO ID Numbers:** SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

| Parameter Suite | Parameter Methods | Preservation | Lot# | Expiration | pH Check |
|---|---|---|---|---|---|
| Preserved Nutrients | ☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | ☐ Ice ☐ $H_2SO_4$ | | | ☐ <2 |
| Metals | ☐ W-ICPMS ☐ W-ICP | ☐ Ice ☐ $HNO_3$ | | | ☐ <2 |
| Filtered Nutrients | ☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter | ☐ Ice | ~~10027054~~ | | |
| Chlorophyll | ☐ CHLSUITE-W | ☐ Ice | | | |
| Physical/Aggregate (Fresh) | ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS | ☐ Ice | | | |
| Physical/Aggregate (Marine) | ☐ Alkalinity / W-F / W-TSS / TURBIDITY | ☐ Ice | | | |
| Macroinvertebrates | ☐ MI-FW-QLDC | ☐ Formalin | | | |
| Periphyton | ☐ ALGAE-ID | ☐ Ice | | | |
| Microbiology | [X] E Coli ☐ F Coli ☐ Enterococci | [X] Ice | | | |
| Molecular | ☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD | ☐ Ice | | | |
| Tracers | ☐ W-E8321-DI ☐ W-E8321-MS | ☐ Ice | | | |
| Pesticides | ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA | ☐ Ice ☐ Other | | | |
| | | | | | |

Place Preservative Sticker(s) Here (If Available)

**Notes:**

FW Bact

Coon Creek 100 meters upstream of CR 69

WIN ID / Field ID

G2WA0005

**Signature:** Blake Spencer **Date:** 9/26/18

Enter Field Parameters, Verify Station ID In LIMS DMT: ~~BSK~~ 10/5/18 (Initials/Date) QC Station ID, Field Parameters In LMS DMT: CM 10/15/18 (Initials/Date)

Scan/Save Field Sheets CM 10/15/18 (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data In WIN: _____ (Initials/Date)

## CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

*Boldly "X" this box if there are qualified data on this page.*

Meter ID: Biology #2 RQ- 2018-09-17-15 Project: SMP

**Notes:** (1) Always wait for meter to stabilize before recording any readings.
(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

**Temperature (Quarterly) FT 1400** Date of Last Temperature Verification 6/25/18

| DO DEP SOP FT 1500 | Name | Date | Time CT-ET | Temp °C | Baro-meter mmHg | D.O. Chart mg/L | Meter D.O. mg/L | % DO | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Calibr. | Blake Spencer | 09/26/18 | 0806 | 21.38 | 760 | 8.845 | 8.85 | 100 | 97.0 | — | (P) F | (L) F |
| ICV | Blake Spencer | 09/26/18 | 0807 | 21.35 | 760 | 8.846 | 8.85 | 100 | 97.0 | — | (P) F | (L) F |
| CCV | Blake Spencer | 9/26/18 | 1532 | 23.99 | 760 | 8.434 | ~~8.43~~ 8.15 | 96.5% | 88.0 | — | (P) F | (L) F |
| CCV | | | | | | | 8.15 | | | | P / F | L / F |

DO Acceptance criteria from Table ± 0.3 mg/L. **Rapid-Pulse Sensors:** DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.
**Optical:** DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

| Spec. Cond. FT 1200 | Name | Date | Time CT-ET | Lot # | Expir. Date | Standard µmhos/cm | Meter Reading µmhos/cm | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|---|---|
| Calibr. | Blake Spencer | 9/26/18 | 0743 | 180403A | 04/2019 | 1000 | 1000 | (P) / F | (L) F |
| ICV | Blake Spencer | 9/26/18 | 0744 | 180403A | 04/2019 | 1000 | 1000 | (P) / F | (L) F |
| CCV | Blake Spencer | 9/26/18 | 1534 | 2902833 | 01/2020 | 100 | 102 | (P) / F | (L) F |
| CCV | | | | | | | | P / F | L / F |

Conductivity Acceptance criteria ± 5%

| pH DEP SOP FT 1100 | Name | Date | Time CT-ET | Lot # | Expir. Date | pH Buffer SU | Temp °C | Meter reading SU | mV | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Calibr. | Blake Spencer | 9/26/18 | 0750 | 180621E | 01/2020 | 7. | 21.83 | 7.00 | 6.2 | (P) F | (L) F |
| Calibr. | Blake Spencer | 9/26/18 | 0755 | 180510B | 05/2019 | 4. | 21.95 | 4.00 | 177.8 | (P) F | (L) F |
| Calibr. | Blake Spencer | 09/26/18 | 0801 | 1804030 | 10/2019 | 10. | 21.99 | 9.96 | -157.3 | (P) F | (L) F |
| ICV | Blake Spencer | 09/26/18 | 0802 | 1804030 | 10/2019 | 10.0 | 21.94 | 9.98 | -157.0 | (P) F | (L) F |
| CCV | Blake Spencer | 09/26/18 | 1539 | 180510B | 05/2019 | 4.00 | 22.28 | 3.97 | 178.1 | (P) F | (L) F |
| CCV | | | | | | | | | | P / F | L / F |

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

**Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA** (not surf. water project)
If **YES**, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____
If **NO**, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: _____; Date of last verification: _____

| Depth Sensor (Daily Calibration & ICV) | Name | Date | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value, meters | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|
| Pressure mode in air | Blake Spencer | 9/26/18 | 0809 | 0.00 | 0.00 | (P) F | (L) F |

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

**COMMENTS:**

**Request Number: RQ-2018-09-17-15**

Big Branch, Stafford, Coon, Stone Mill, Monkey B.

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



last revised Jan 25, 2018

**Customer: WAS-SECT**

**Project ID: SMP**

Requester: Curtis Musson

Collected By: Blake Spencer & Jason Storrs

Field Report Prepared By: Blake Spencer

Sampling Agency: FDEP

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**Location:** Big Branch Downstream of Road 5

WIN ID / Field ID: Q2WA0010

Latitude: 30.158 ☒ dd ☐ dms

Longitude: -85.252 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/26/18 Time 1020 (Eastern / Central) | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 67.3 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 22.80 | pH: 4.79 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 38

Salinity (ppt): 0.02 | Comments:

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**Location:** Stone Mill Creek Upstream of Dianna St

WIN ID / Field ID: Q2WA0012

Latitude: 30.1577919 ☒ dd ☐ dms

Longitude: -85.2302 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/26/18 Time ~~1020~~ 1100 (Eastern / Central) | Composite end Date Time | Bottle Group(s): D

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: ~~67.3~~ 68.5 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 22.96 ~~22.80~~ | pH: ~~4.79~~ 5.29 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): ~~38~~ 40

Salinity (ppt): 0.02 | Comments:

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**Location:** Coon Creek 100 meters upstream of CR 69

WIN ID / Field ID: Q2WA0005

Latitude: 30.3929 ☒ dd ☐ dms

Longitude: -85.0625 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/26/18 Time 1220 (Eastern / Central) | Composite end Date Time | Bottle Group(s): C

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: — ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L): —

Temp (C): — | pH: — | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): —

Salinity (ppt): — | Comments: Only Collected EW Bacteria

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**Location:** Stafford Creek 100 meters upstream of SR 69

WIN ID / Field ID: Q2WA0004

Latitude: 30.4991 ☒ dd ☐ dms

Longitude: -85.0427 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/26/18 Time 1235 (Eastern / Central) | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 80.9 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 24.18 | pH: 5.97 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 60

Salinity (ppt): 0.03 | Comments:

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| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
|---|---|---|---|---|---|
| [signature] | 9/26/18 1457 | Hand Delivered | 3 | [signature] | 9/26/18 1500 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Group: A | Bottle Type: | P-1L | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |
| | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | | | | | | |
| Group: A | Bottle Type: | BP-1L | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |
| | CHLSUITE-W | | | | | | |
| Group: A | Bottle Type: | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |
| | ECOLI-18QT | | | | | | |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
| | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | | | | H2SO4<br>LOT# SA8085170<br>EXP: 03/26/19 | | |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 1 | Preservative: | FILTER-ICE | Enter Number of Bottles Sent to Lab | 1 |
| | W-PO4-F | | | | Lot# 10827054 | | |
| Group: B | Bottle Type: | P-1L | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |
| | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | | | | | | |
| Group: B | Bottle Type: | BP-1L | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |
| | CHLSUITE-W | | | | | | |
| Group: B | Bottle Type: | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Group: B | Bottle Type: P-250ML-WO-THI<br>ECOLI-18QT | | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |
| Group: B | Bottle Type: QPCR-P-500ML<br>PCR-BACR<br>PCR-HF183 | | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |
| Group: B | Bottle Type: BG-500ML<br>W-CARB-AA | | # of Bottles: 1 | Preservative: | CH2ClCOOH Pre-Preserved | Enter Number of Bottles Sent to Lab | 1 |
| Group: B | Bottle Type: BG-500ML<br>W-CT-CI-R<br>W-PCL-SQ-R | | # of Bottles: 4 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 4 |
| Group: B | Bottle Type: BG-500ML<br>W-E8321-DI<br>W-E8321-MS | | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |
| Group: B | Bottle Type: P-500ML<br>W-ICP<br>W-ICPMS | | # of Bottles: 1 | Preservative: | HNO3<br>Lot# NA7341010<br>Exp: 12/7/18 | Enter Number of Bottles Sent to Lab | 1 |
| Group: B | Bottle Type: P-500ML<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | | # of Bottles: 1 | Preservative: | ICE And H2SO4<br>H2SO4<br>LOT# SA8085170<br>EXP: 03/26/19 | Enter Number of Bottles Sent to Lab | 1 |
| Group: B | Bottle Type: P-125ML<br>W-PO4-F | | # of Bottles: 1 | Preservative: | FILTER-ICE<br>Lot#: 10827054 | Enter Number of Bottles Sent to Lab | 1 |
| Group: B | Bottle Type: BG-1L<br>W-PSNP-TQ | | # of Bottles: 4 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |
| Group: C | Bottle Type: P-250ML-WO-THI<br>ECOLI-18QT | | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 1 |
| Group: D | Bottle Type: P-1L<br>ALKALINITY<br>TURBIDITY<br>W-CL-IC | | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | Ø 1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Group: D | Bottle Type: P-1L | # of Bottles: 1 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 1 |
| W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | | | | | |
| Group: D | Bottle Type: BP-1L | # of Bottles: 1 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 1 |
| CHLSUITE-W | | | | | |
| Group: D | Bottle Type: P-250ML-WO-THI | # of Bottles: 1 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 1 |
| ECOLI-18QT | | | | | |
| Group: D | Bottle Type: BG-500ML | # of Bottles: 1 | Preservative: CH2ClCOOH Pre-Preserved | Enter Number of Bottles Sent to Lab | 1 |
| W-CARB-AA | | | | | |
| Group: D | Bottle Type: BG-500ML | # of Bottles: 2 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 2 |
| W-CT-CI-R<br>W-PCL-SQ-R | | | | | |
| Group: D | Bottle Type: BG-500ML | # of Bottles: 1 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 1 |
| W-E8321-DI<br>W-E8321-MS | | | | | |
| Group: D | Bottle Type: P-500ML | # of Bottles: 1 | Preservative: HNO3<br>Lot# VA734010<br>Exp: 12/7/18 | Enter Number of Bottles Sent to Lab | 1 |
| W-ICP<br>W-ICPMS | | | | | |
| Group: D | Bottle Type: P-500ML | # of Bottles: 1 | Preservative: ICE And H2SO4<br>H2SO4<br>LOT# SA8085170<br>EXP: 03/26/19 | Enter Number of Bottles Sent to Lab | 1 |
| W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | | | | | |
| Group: D | Bottle Type: P-125ML | # of Bottles: 1 | Preservative: FILTER-ICE<br>Lot# 10827054 | Enter Number of Bottles Sent to Lab | 1 |
| W-PO4-F | | | | | |
| Group: D | Bottle Type: BG-1L | # of Bottles: 2 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 2 |
| W-PSNP-TQ | | | | | |
| Group: E | Bottle Type: P-1L | # of Bottles: 1 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Group: E | Bottle Type: | P-1L | # of Bottles: 1 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 0 |
| | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | | | | | | |
| Group: E | Bottle Type: | BP-1L | # of Bottles: 1 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 0 |
| | CHLSUITE-W | | | | | | |
| Group: E | Bottle Type: | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 0 |
| | ECOLI-18QT | | | | | | |
| Group: E | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: | ICE And H2SO4 | **Enter Number of Bottles Sent to Lab** | 0 |
| | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | | | | | | |
| Group: E | Bottle Type: | P-125ML | # of Bottles: 1 | Preservative: | FILTER-ICE | **Enter Number of Bottles Sent to Lab** | 0 |
| | W-PO4-F | | | | | | |

**Cooler Packing Worksheet for Request: RQ-2018-09-17-15**
**Big Branch, Stafford, Coon, Stone Mill, Monkey B.**
**Ship Cooler On: 9/13/2018**
**Customer/Project: WAS-SECT/SMP**

Assigned To: REAVES_S
Requester: Curtis Musson
Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

**Please return packing list with sample submittal forms.**

Comments:
No preservatives needed.

Group A: Big Branch, 1154: Nutrients, Ecoli

Group B: Stafford Creek, 723: Nutrients, Metals, E.coli, Pesticides, PCR

Group C: Coon Creek, 885: E. coli

Group D: Stone MIll Creek, 1075: Nutrients, Metals, E. coli, Pesticides

Group E: ~~Lake Monkey Business, 546C:~~ Afford Arm Nutrients, E. coli

Packing Notes:
No FedEx labels
No Trash Bags

Extra bottle added for QC for E8321 tests for Bottle Group B ONLY

## Requested Analyses:

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

**Container ID: P-1L** **Qty: 1** **Preservation: ICE** **Lot #** 00071991

**Description: Plastic Bottle 1L**

| Analysis | Description |
|---|---|
| ALKALINITY | Alkalinity in aqueous matrices as mg CaCO3/L |
| TURBIDITY | Turbidity in aqueous matrices |
| W-CL-IC | Chloride in aqueous matrices |
| W-COLOR | True Color measured at 450 nm |
| W-F | Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC | Sulfate in aqueous matrices |
| W-TDS | Total Dissolved Solids in aqueous matrices |
| W-TSS | 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 | Description |
|---|---|
| CHLSUITE-W | Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

**Container ID: P-250ML-WO-THI** **Qty: 1** **Preservation: ICE** **Lot #** L18038

**Description: 250 ml Sterilized no tablet**

| Analysis | Description |
|---|---|
| ECOLI-18QT | Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |

**Container ID: P-500ML** **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 00071864

**Description: Plastic Bottle 500 mL** Affix YELLOW sulfuric acid dot to container.

| Analysis | Description |
|---|---|
| W-NH3 | Ammonia in aqueous matrices as mg N/L |
| W-NO2NO3 | Nitrite/Nitrate in aqueous matrices as mg N/L |
| W-S-A-TP | Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN | Total Kjeldahl Nitrogen in aqueous matrices |
| W-TOC | Nonpurgeable Organic Carbon in aqueous matrices |

**Container ID: P-125ML** **Qty: 1** **Preservation: FILTER-ICE** **Lot #** 00071266

**Description: Plastic Bottle 125 mL**

| Analysis | Description |
|---|---|
| W-PO4-F | Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

## Bottle Group: B # of Sites: 1

**Container ID: P-1L** **Qty: 1** **Preservation: ICE** **Lot #** 00071991

**Description: Plastic Bottle 1L**

| Analysis | Description |
|---|---|
| ALKALINITY | Alkalinity in aqueous matrices as mg CaCO3/L |
| TURBIDITY | Turbidity in aqueous matrices |
| W-CL-IC | Chloride in aqueous matrices |
| W-COLOR | True Color measured at 450 nm |

| | |
|---|---|
| W-F | Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC | Sulfate in aqueous matrices |
| W-TDS | Total Dissolved Solids in aqueous matrices |
| W-TSS | 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 | Description |
|---|---|
| CHLSUITE-W | Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

**Container ID: P-250ML-WO-THI** **Qty: 1** **Preservation: ICE** **Lot #** L18038

**Description: 250 ml Sterilized no tablet**

| Analysis | Description |
|---|---|
| ECOLI-18QT | Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |

**Container ID: QPCR-P-500ML** **Qty: 1** **Preservation: ICE** **Lot #** 00071457

**Description: 500ml Sterile Nalgene** Affix PCR Instruction Label to container

| Analysis | Description |
|---|---|
| PCR-BACR | Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-HF183 | Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |

**Container ID: BG-500ML** **Qty: 1** **Preservation: CH2ClCOOH Pre-Preserved** **Lot #** 00071432

**Description: Brown Glass Bottle 500ML** Affix BLUE dot to container.

| Analysis | Description |
|---|---|
| W-CARB-AA | Carbamates in water matrices by HPLC/MS/MS |

**Container ID: BG-500ML** **Qty: 4** **Preservation: ICE** **Lot #** 00070815

**Description: Brown Glass Bottle 500ML** Affix BLUE dot to container.

| Analysis | Description |
|---|---|
| W-CT-CI-R | Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization |
| W-PCL-SQ-R | Organochlorine pesticides in water matrices by GC/MS-SIM |

**Container ID: BG-500ML** **Qty: 1** **Preservation: ICE** **Lot #** 00070815

**Description: Brown Glass Bottle 500ML** Affix BLUE dot to container.

| Analysis | Description |
|---|---|
| W-E8321-DI | Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |
| W-E8321-MS | Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |

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**Container ID: P-500ML** **Qty: 1** **Preservation: HNO3** **Lot #** 00071864

**Description: Plastic Bottle 500 mL** Affix RED nitric acid dot to container.

| Analysis | Description |
|---|---|
| W-ICP | Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| W-ICPMS | Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |

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**Container ID: P-500ML** **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 00071864

**Description: Plastic Bottle 500 mL** Affix YELLOW sulfuric acid dot to container.

| Analysis | Description |
|---|---|
| W-NH3 | Ammonia in aqueous matrices as mg N/L |
| W-NO2NO3 | Nitrite/Nitrate in aqueous matrices as mg N/L |
| W-S-A-TP | Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN | Total Kjeldahl Nitrogen in aqueous matrices |
| W-TOC | Nonpurgeable Organic Carbon in aqueous matrices |

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**Container ID: P-125ML** **Qty: 1** **Preservation: FILTER-ICE** **Lot #** 00071266

**Description: Plastic Bottle 125 mL**

| Analysis | Description |
|---|---|
| W-PO4-F | Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

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**Container ID: BG-1L** **Qty: 4** **Preservation: ICE** **Lot #** 00071178

**Description: Brown Glass Bottle 1L** Affix BLUE dot to container.

| Analysis | Description |
|---|---|
| W-PSNP-TQ | Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS |

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## Bottle Group: C # of Sites: 1

**Container ID: P-250ML-WO-THI** **Qty: 1** **Preservation: ICE** **Lot #** L18038

**Description: 250 ml Sterilized no tablet**

| Analysis | Description |
|---|---|
| ECOLI-18QT | Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |

## Bottle Group: D # of Sites: 1

**Container ID: P-1L** **Qty: 1** **Preservation: ICE** **Lot #** 00071991

**Description: Plastic Bottle 1L**

| Analysis | Description |
|---|---|
| ALKALINITY | Alkalinity in aqueous matrices as mg CaCO3/L |
| TURBIDITY | Turbidity in aqueous matrices |
| W-CL-IC | Chloride in aqueous matrices |
| W-COLOR | True Color measured at 450 nm |
| W-F | Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC | Sulfate in aqueous matrices |
| W-TDS | Total Dissolved Solids in aqueous matrices |
| W-TSS | 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 | Description |
|---|---|
| CHLSUITE-W | Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

**Container ID: P-250ML-WO-THI** **Qty: 1** **Preservation: ICE** **Lot #** L18038

**Description: 250 ml Sterilized no tablet**

| Analysis | Description |
|---|---|
| ECOLI-18QT | Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |

**Container ID: BG-500ML** **Qty: 1** **Preservation: CH2ClCOOH Pre-Preserved** **Lot #** 00071432

**Description: Brown Glass Bottle 500ML** Affix BLUE dot to container.

| Analysis | Description |
|---|---|
| W-CARB-AA | Carbamates in water matrices by HPLC/MS/MS |

**Container ID: BG-500ML** **Qty: 2** **Preservation: ICE** **Lot #** 00070815

**Description: Brown Glass Bottle 500ML** Affix BLUE dot to container.

| Analysis | Description |
|---|---|
| W-CT-CI-R | Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization |
| W-PCL-SQ-R | Organochlorine pesticides in water matrices by GC/MS-SIM |

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**Container ID: BG-500ML** **Qty: 1** **Preservation: ICE** **Lot #** 00070815

**Description: Brown Glass Bottle 500ML** Affix BLUE dot to container.

| Analysis | Description |
|---|---|
| W-E8321-DI | Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |
| W-E8321-MS | Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |

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**Container ID: P-500ML** **Qty: 1** **Preservation: HNO3** **Lot #** 00071864

**Description: Plastic Bottle 500 mL** Affix RED nitric acid dot to container.

| Analysis | Description |
|---|---|
| W-ICP | Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| W-ICPMS | Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |

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**Container ID: P-500ML** **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 00071864

**Description: Plastic Bottle 500 mL** Affix YELLOW sulfuric acid dot to container.

| Analysis | Description |
|---|---|
| W-NH3 | Ammonia in aqueous matrices as mg N/L |
| W-NO2NO3 | Nitrite/Nitrate in aqueous matrices as mg N/L |
| W-S-A-TP | Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN | Total Kjeldahl Nitrogen in aqueous matrices |
| W-TOC | Nonpurgeable Organic Carbon in aqueous matrices |

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**Container ID: P-125ML** **Qty: 1** **Preservation: FILTER-ICE** **Lot #** 00071266

**Description: Plastic Bottle 125 mL**

| Analysis | Description |
|---|---|
| W-PO4-F | Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

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**Container ID: BG-1L** **Qty: 2** **Preservation: ICE** **Lot #** 00071178

**Description: Brown Glass Bottle 1L** Affix BLUE dot to container.

| Analysis | Description |
|---|---|
| W-PSNP-TQ | Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS |

## Bottle Group: E # of Sites: 1

**Container ID: P-1L** **Qty: 1** **Preservation: ICE** **Lot #** 00071991

**Description: Plastic Bottle 1L**

| Analysis | Description |
|---|---|
| ALKALINITY | Alkalinity in aqueous matrices as mg CaCO3/L |
| TURBIDITY | Turbidity in aqueous matrices |
| W-CL-IC | Chloride in aqueous matrices |
| W-COLOR | True Color measured at 450 nm |
| W-F | Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC | Sulfate in aqueous matrices |
| W-TDS | Total Dissolved Solids in aqueous matrices |
| W-TSS | Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample |

**Container ID: BP-1L** **Qty: 1** **Preservation: ICE** **Lot #** 1232632

**Description: Brown Plastic Bottle 1L**

| Analysis | Description |
|---|---|
| CHLSUITE-W | Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

**Container ID: P-250ML-WO-THI** **Qty: 1** **Preservation: ICE** **Lot #** L18038

**Description: 250 ml Sterilized no tablet**

| Analysis | Description |
|---|---|
| ECOLI-18QT | Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |

**Container ID: P-500ML** **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 00071864

**Description: Plastic Bottle 500 mL** Affix YELLOW sulfuric acid dot to container.

| Analysis | Description |
|---|---|
| W-NH3 | Ammonia in aqueous matrices as mg N/L |

| | |
|---|---|
| W-NO2NO3 | Nitrite/Nitrate in aqueous matrices as mg N/L |
| W-S-A-TP | Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN | Total Kjeldahl Nitrogen in aqueous matrices |
| W-TOC | Nonpurgeable Organic Carbon in aqueous matrices |

**Container ID: P-125ML** **Qty: 1** **Preservation: FILTER-ICE** **Lot #** 00071266

**Description: Plastic Bottle 125 mL**

| Analysis | Description |
|---|---|
| W-PO4-F | Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

Cooler Packed By: SR Number of Coolers: 4 Date: 9-10-18

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 _____ Exp _____ Lot # _____
ID _____ Exp _____ Lot # _____
ID _____ Exp _____ Lot # _____
ID _____ Exp _____ Lot # _____
ID _____ Exp _____ Lot # _____

**PLEASE RETURN ALL COOLERS FOR RQ-2018-09-17-15**