WIN / Field ID G1NE0860

# F ENVIRONMENTAL PROTECTION RING PROGRAM FIELD SHEET

January 2018

Data Qualified? Yes / No

Date: 2 1 / 2018 (mm/dd/yyyy)

## Lochloosa Slough at SE 225

WBID: 2757 Latitude: 29.475 (Decimal Degrees)

County: Alachua ORG ID: 21FLA Longitude: 82.0777 (Decimal Degrees)

Receiving Body of Water: Lochloosa lake RQ-2018- 01-22-09

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|---|---|---|---|---|---|
| N. Frederick | ✓ | | ✓ | | |
| B. Davis | | ✓ | | ✓ | ✓ |
| | | | | | |

**Sampling Equipment**

- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [ ] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with YSI #3
- Equipment ID ORTHO #3

**Collection Method**

- [x] Wading [ ] Canoe/Kayak
- [x] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry / Pooled / Low / Normal / High / Flooded

Meter ID#

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Intestital / Flowing / NA

Tide: Rising / Falling / Slack / NA

Tide Times: High Low

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L) | DO (%SAT) | pH | Salinity (PPTh) | Sp COND (µmhos/cm) | Temp. (C°) |
|---|---|---|---|---|---|---|---|---|---|---|
| EST | 1230 | 0.25 | 0.10 | 0.25 | 5.02 | 23.7 | 5.61 | 0.03 | 68 | 12.60 |
| CEN | | | | NOB | | | | | | |

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 | [x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | [x] Ice [ ] $H_2SO_4$ | SA7275010 | 10/2/18 | [ ] <2 |
| Metals | [ ] W-ICPMS [x] W-ICP | [ ] Ice [ ] $HNO_3$ | M22-6050 | 8/14/18 | [ ] <2 |
| Filtered Nutrients | [x] W-PO4-F [ ] Field Filtered 0.45 µm Filter | [x] Ice | R6SM46070 | | |
| Chlorophyll | [x] CHLSUITE-W | [x] Ice | | | |
| Physical/Aggregate (Fresh) | [x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS | [x] 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-SUC-AA-R [ ] W-UHERB-AA [ ] W-AHERB-AA | [ ] Ice | | | |
| Pesticides | [ ] W-PSNP-TQ [ ] W-UHERB-AA [ ] W-AHERB-AA [ ] W-CARB-AA [ ] W-PCL-SQ-R [ ] W-PYR-AA-R [ ] W-GLYPH [ ] W-SUC-AA-R | [ ] Ice [ ] Other | | | |


Notes: 20m below bridge wetland

Place Label Here

Signature: [signature] Date: 2/1/18

Enter Field Parameters, Verify Station ID In LIMS DMT: [signature] 2/5/18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: BD 2/7/18 (Initials/Date)

Scan/Save Field Sheets BD 2/7/18 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

**Request Number: RQ-2018-01-22-09**

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

last revised Jan 3, 2018

Gainesville South

**Customer: NE-DIST**

**Project ID: SMP**

Requester: Nicole Frederick

Collected By: N. Frederick / B. Davis

Field Report Prepared By: N. Frederick

Sampling Agency: NERDC

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WIN / Field ID: G1NE0860

**Lochloosa Slough at SE 225**

Comp ☐ Grab ☒ | Collection (comp begin or grab) Date 2/1/18 Time 1230 | Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): A/B/D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 5.62 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 12.60 | pH 5.61 | Sample Depth 0.10 ☐ ft ☒ m | Sp. Conductance (umho/cm) 69

Latitude 29.4781 ☒ dd ☐ dms | Longitude 82.0777 ☒ dd ☐ dms | Salinity (ppt) 0.03 | Comments

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WIN / Field ID: G3NE0004

**Moss Lee Lake Center**

Comp ☐ Grab ☒ | Collection (comp begin or grab) Date 2/1/18 Time 1100 | Eastern / Central | Composite end Date Time | Bottle Group(s): C/D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 8.57 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 14.12 | pH 5.52 | Sample Depth 0.30 ☐ ft ☒ m | Sp. Conductance (umho/cm) 57

Latitude 29.5597 ☒ dd ☐ dms | Longitude 82.0553 ☒ dd ☐ dms | Salinity (ppt) 0.03 | Comments

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WIN / Field ID: 20020055

**Lake Jeffords Center**

Comp ☐ Grab ☒ | Collection (comp begin or grab) Date 2/1/18 Time 1145 | Eastern / Central | Composite end Date Time | Bottle Group(s): C/D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 10.45 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 10.61 | pH 5.54 | Sample Depth 0.30 ☐ ft ☒ m | Sp. Conductance (umho/cm) 45

Latitude 29.5467 ☒ dd ☐ dms | Longitude 82.0900 ☒ dd ☐ dms | Salinity (ppt) 0.03 | Comments

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WIN / Field ID: 21030076

**ALLIGATOR CREEK ABOVE THE STARKE WWTP**

Comp ☐ Grab ☒ | Collection (comp begin or grab) Date 2/1/18 Time 1000 | Eastern / Central | Composite end Date Time | Bottle Group(s): C/D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 11.57 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 11.56 | pH 7.33 | Sample Depth 0.20 ☐ ft ☒ m | Sp. Conductance (umho/cm) 144

Latitude 29.9364 ☒ dd ☐ dms | Longitude 82.1137 ☒ dd ☐ dms | Salinity (ppt) 0.07 | Comments

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| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
|---|---|---|---|---|---|
| [signature] | 2/1/18 @ 1700 | FEDEX | 2 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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-500ML | # of Bottles: 1 | Preservative: | HNO3 | **Enter Number of Bottles Sent to Lab** 1 |
| | W-ICP<br>W-ICPMS | | | | | |
| 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 | | | | | |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 1 | Preservative: | FILTER-ICE | **Enter Number of Bottles Sent to Lab** 1 |
| | W-PO4-F | | | | | |
| Group: B | Bottle Type: | BG-1L | # of Bottles: 2 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** 2 |
| | W-AHERB-AA<br>W-GLYPH<br>W-PYR-AA-R<br>W-SUC-AA-R<br>W-UHERB-AA | | | | | |
| Group: B | Bottle Type: | BG-1L | # of Bottles: 1 | Preservative: | CH2ClCOOH Pre-Preserved | **Enter Number of Bottles Sent to Lab** 1 |
| | W-CARB-AA | | | | | |
| Group: B | Bottle Type: | BG-500ML | # of Bottles: 4 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** 4 |
| | W-CT-CI-R<br>W-PCL-SQ-R | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Group: B | Bottle Type: | BG-1L | # of Bottles: 4 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 4 |
| | W-PSNP-TQ | | | | | | |
| Group: C | Bottle Type: | P-1L | # of Bottles: 3 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 3 |
| | ALKALINITY | | | | | | |
| | TURBIDITY | | | | | | |
| | W-CL-IC | | | | | | |
| | W-COLOR | | | | | | |
| | W-F | | | | | | |
| | W-SO4-IC | | | | | | |
| | W-TDS | | | | | | |
| | W-TSS | | | | | | |
| Group: C | Bottle Type: | BP-1L | # of Bottles: 3 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 3 |
| | CHLSUITE-W | | | | | | |
| Group: C | Bottle Type: | P-500ML | # of Bottles: 3 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 3 |
| | W-NH3 | | | | | | |
| | W-NO2NO3 | | | | | | |
| | W-S-A-TP | | | | | | |
| | W-TKN | | | | | | |
| | W-TOC | | | | | | |
| Group: C | Bottle Type: | P-125ML | # of Bottles: 3 | Preservative: | FILTER-ICE | Enter Number of Bottles Sent to Lab | 3 |
| | W-PO4-F | | | | | | |
| Group: D | Bottle Type: | P-120ML-WC-THI | # of Bottles: 4 | Preservative: | ICE | Enter Number of Bottles Sent to Lab | 4 |
| | NED-AEG-EC | | | | | | |

ALS [redacted] JaXS

[redacted] • Altamonte Springs, FL 32701 • [redacted] • Fax 407.937.1597

**Jacksonville:** 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354

[redacted] 850.210.6275

[redacted] 480.4327

| | | | |
|---|---|---|---|
| Client Name: | FDEP-NE ROC | Project Name: | Gainesville lakes |
| Address: | 8800 Baymeadows Way W | P.O. Number or Project Number: | RQ-2018- 01-22-09 |
| | | FDEP Facility No: | |
| Phone: | 904-256-1541 | Project Address: | |
| FAX: | Please email results | Special Instructions: | |
| Contact: | Nicole Frederick | Dep-Overflowmicro@dep.state.fl.us | PO# B1696A |
| Sampled By: | | | |
| Turn Around Time: | ☑ STANDARD ☐ RUSH | | |
| Page: | 1 of 1 | ☐ ADaPT ☐ EQuIS ☐ Other | |

| SAMPLE ID | SAMPLE DESCRIPTION | Grab Comp | SAMPLING DATE | SAMPLING TIME | MATRIX | NO. COUNT | PRESERVATION | BOTTLE SIZE & TYPE | ANALYSIS REQUIRED: E.coli | LABORATORY I.D. NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|
| GINE0860 | Lochloosa | Grab | 2/1/18 | 1230 | SW | 1 | | | 1 | |
| 20020055 | Jeffords | | | 1145 | | | | | 1 | |
| G3NE0004 | MOSS | | | 1100 | | | | | 1 | |
| 21030076 | Alligator | ↓ | ↓ | 1000 | ↓ | ↓ | | | 1 | |

**Matrix Code:** WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

**Preservation Code:** I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank 6.0 ☐ Where required, pH checked Temperature when received _____ (in degrees celcius)

DCN: AD-051 Form last revised 04/30/2015 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

| | Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|---|
| 1 | Erin Davis | 2/2/18 | 25:5 | Renee Fretch | 2/1/18 | 1453 |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |

**FOR DRINKING WATER USE:**

PWS ID: _____

Contact Person: _____ Phone: _____

Supplier of Water: _____

Site-Address: _____

**Container ID: BG-1L** **Qty: 1** **Preservation: CH2ClCOOH Pre-Preserved** **Lot #** 0006 9604

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

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

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**Container ID: BG-500ML** **Qty: 4** **Preservation: ICE** **Lot #** 0711 8622

**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-1L** **Qty: 4** **Preservation: ICE** **Lot #** 0006 9604

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

| Analysis | Description |
|---|---|
| W-PSNP-TQ | Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS |

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## Bottle Group: C **# of Sites: 3**

**Container ID: P-1L** **Qty: 3** **Preservation: ICE** **Lot #** 0006 9741

**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 |

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**Container ID: BP-1L** **Qty: 3** **Preservation: ICE** **Lot #** 1721 5087

**Description: Brown Plastic Bottle 1L**

| Analysis | Description |
|---|---|

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

**Container ID: P-500ML** **Qty: 3** **Preservation: ICE And H2SO4** **Lot #** 0000 7674

**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: 3** **Preservation: FILTER-ICE** **Lot #** 0000 9732

**Description: Plastic Bottle 125 mL**

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

## Bottle Group: D # of Sites: 4

**Container ID: P-120ML-WC-THI** **Qty: 4** **Preservation: ICE** **Lot #** 61702-1

**Description:**

| Analysis | Description |
|---|---|
| NED-AEG-EC | Escherichia coli by membrane filter method using modified mTEC by Advanced Environmental Gainesville Overflow Laboratories for NED |

Cooler Packed By: Tyler N. Number of Coolers: 3 Date: 01/16/18

Kit must also include:
- ✓ Field Sheets
- ✓ Temperature Control Bottle
- ✓ FedEx Bills, if applicable
- ✓ Plastic Bags
- ✓ Zip Ties

If Preservation Included:

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

**PLEASE RETURN ALL COOLERS FOR RQ-2018-01-22-09**

**Container ID: P-500ML** **Qty: 1** **Preservation: HNO3** **Lot #** 0806854

**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 #** 0806854

**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-SUA-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 #** 0802732

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

**Container ID: BG-1L** **Qty: 2** **Preservation: ICE** **Lot #** 0806960

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

| Analysis | Description |
|---|---|
| W-AHERB-AA | Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS |
| W-GLYPH | Glyphosate in water matrices by HPLC/MS/MS |
| W-PYR-AA-R | Pyraclostrobin in water matrices by HPLC/MS/MS |
| W-SUC-AA-R | Analysis of sucralose in water matrices by HPLC/MS/MS |
| W-UHERB-AA | Urea herbicides and other chemicals in water matrices by HPLC/MS/MS |

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**Cooler Packing Worksheet for Request: RQ-2018-01-22-09**
**Gainesville South**
**Ship Cooler On: 1/16/2018**
**Customer/Project: NE-DIST/SMP**

Assigned To: REYNOLDS_T
Requester: Nicole Frederick
Priority: 3

904-807-3300
8800 Baymeadows Way W
Suite 100
Jacksonville, FL 32256-7577

Attn: Nicole Frederick

Comments:
No preservatives needed.

Group A: Freshwater Kit With Metals
Group B: Pesticide
Group C: Freshwater Kit No Metals
Group D: E.coli-Overflow
Group E: Markers/Tracers

## Requested Analyses:

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

**Container ID: P-1L** **Qty: 1** **Preservation: ICE** **Lot #** 0006974 1

**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 |

**Container ID: BP-1L** **Qty: 1** **Preservation: ICE** **Lot #** 1215091

**Description: Brown Plastic Bottle 1L**

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