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

January 2018

Data Qualified?
Yes [✓ No]

**WIN Station Name:** Little Lake Wilson Ctr

**Date:** 06/14/2018 (mm/dd/yyyy)

**WIN/ Field ID:** G1SW0006

**WBID:** 1463M

**Latitude:** 28.1474

**County:** Hillsborough

**ORG ID:** 21FLTPA

**Longitude:** -82.4921

**Receiving Body of Water:**

**RQ-2018-** 06-11-10

| **Sampling Team Members** | **WQ Measurements** | **Sample Collection** | **Documentation** | **Preservation** | **Preservation Check** |
|---|---|---|---|---|---|
| Ben Paswater | ✓ | | ✓ | | |
| Sara Myer | | ✓ | | ✓ | ✓ |
| | | | | | |

**Sampling Equipment**

☑ **Sample Container** ☐ **Van Dorn** ☐ **Pole**
☐ **Carboy** ☐ **Syringe**
☐ **Dipper** ☐ **Other**
**Depth Measured with**
**Equipment ID**

**Collection Method**

☐ **Wading** ☑ **Canoe/Kayak**
☐ **From Shore** ☐ **Electric Motor**
☐ **Other** ☐ **Gasoline Motor**

**Water Level:** Dry/ Pooled/ Low / [✓ Normal] / High / Flooded

**Meter ID#** Chewy

**Matrix:** [✓ Fresh]

**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. (C⁰)** |
|---|---|---|---|---|---|---|---|---|---|---|
| [✓ EST] | 1050 | ~~0.3~~ | 0.3 | 1.0 | 8.29 | 110 | 7.4 | / | 113 | 30.1 |
| | | 2.9 | 2.4 | | 5.8 | 75 | 7.1 | [illegible] | 343 | 29.3 |

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

**SBIO ID Numbers:** SBIO-ID: 78716 HA-ID: RPS-ID: — Macrophyte-ID: 11014 LIMS#: 2001311

| **Parameter Suite** | **Parameter Methods** | **Preservation** | **Lot#** | **Expiration** | **pH Check** |
|---|---|---|---|---|---|
| **Preserved Nutrients** | ☑ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | ☑ Ice ☑ $H_2SO_4$ | SA7275010 | 10/02/18 | ☑ <2 |
| **Metals** | ☐ W-ICPMS ☐ W-ICP | ☐ Ice ☐ $HNO_3$ | | | ☐ <2 |
| **Filtered Nutrients** | ☑ W-PO4-F ☑ Field Filtered 0.45 μm Filter | ☑ Ice | 9841668 | | |
| **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** | ☑ E Coli ☐ F Coli ☐ Enterococci | ☑ 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<br>☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R | ☐ Ice<br>☐ Other | | | |
| | | | | | |

**Place Preser**

Contains: 1:1 Sulfuric Acid
Lot No.: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

SULFURIC ACID <51%
DANGER
7664-93-9
7732-18-5

THERMO FISHER SCIENTIFIC
520 NORTH MAIN STREET
MIAMI, OK 74354
1-800-858-2711

Contains: 1:1 Sulfuric Acid

May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fume/mist/vapours. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Store in corrosive resistant container with a resistant inner liner.

**Notes:**

WBID needs 5 A Kits plus E-Coli and 1 LVI

Event 2018-06-15-01 (second event)

SMP06122018_FB

**Field ID:** G1SW0006

**Site Name:** Little Lake Wilson Ctr

**Signature:** Sarah Meyer

**Date:** ~~1/22/2018~~ 06/14/2018

Enter Field Parameters, Verify Station ID In LIMS DMT: SM 08/13/2018 (Initials/Date)

QC Station ID, Field Parameters In LIMS DMT: MB - 8/14/18 SM 08/27/18 (Initials/Date)

Scan/Save Field Sheets SM 09/19/2018 (Initials/Date)

Migrate Data to WIN: SM 08/27/2018 7012 (Initials/Date)
18-06-15-01

Verify Data In WIN: SM 09/19/2018 (Initials/Date)

Field ID/WIN G1SW0006

Site Name: Little Lake Wilson Ctr

**DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET**

Waterbody: Little Lake Wilson

County: Hillsborough

Signature:

Analyst: BP + SM

**quired. *Genera that may require lab verification***

**real extent) for each unit. Use "D" to denote dominant taxon, or "C" for the 2 co-dominant taxa.**

Lake units sampled (circle one group):
1, 4, 7, 10
2, 5, 8, 11
[✓ 3, 6, 9, 12]

| SPECIES | 3 | 6 | 9 | 12 | Collected? (√) | SPECIES | 3 | 6 | 9 | 12 | Collected? (√) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acer rubrum | | | | ✓ | | *Fuirena ____ | | | | | |
| **Alternanthera philoxeroides** | ✓ | ✓ | ✓ | ✓ | | Fuirena scirpoidea | | | | | |
| Andropogon sp. | | | | | | Gordonia lasianthus | | | | | |
| Azolla filiculoides (A. caroliniana) | | ✓ | ✓ | ✓ | | Habenaria repens | | | | | |
| Baccharis sp. | | | | | | **Hymenachne amplexicaulis** | | | | | |
| Bacopa caroliniana | | | | | | **Hydrilla verticillata** | | | | | |
| Bacopa monnieri | ✓ | ✓ | | | | Hydrocotyle sp. | ✓ | ✓ | ✓ | ✓ | |
| Bidens laevis | | | | | | **Hygrophila polysperma** | | | | | |
| Bidens mitis | | | | | | *Hypericum fasciculatum | | | | | |
| Blechnum serrulatum | | | | | | *Hypericum hypericoides | | | | | |
| Boehmeria cylindrica | ✓ | ✓ | ✓ | ✓ | | *Hypericum myrtifolium | | | | | |
| Brasenia schreberi | | | | | | Ilex cassine | ✓ | | | | |
| Cabomba caroliniana | | | | | | **Ipomoea aquatica** | | | | | |
| **Casuarina equisitifolia** | | | | | | Ipomoea sagittata | | | | | |
| Centella asiatica | | | | | | Itea virginica | | | | | |
| Cephalanthus occidentalis | ✓ | ✓ | | | | Juncus effusus | | | | | |
| Ceratophyllum demersum | | | | | | *Juncus marginatus | ✓ | | ✓ | | |
| Chara sp. | | | | | | *Juncus megacephalus | ✓ | ✓ | | | ✓ |
| Cladium jamaicense | | | | | | Juncus repens | | | | | |
| Cliftonia monophylla | | | | | | *Juncus scirpoides | | | | | |
| **Colocasia esculenta** | ✓ | ✓ | ✓ | ✓ | | Lachnanthes caroliniana | | | | | |
| *Commelina ____ | | ✓ | ✓ | | | Leersia hexandra | | | | | |
| Crinum americanum | | | | | | **Landoltia punctata** (Spirodela punctata) | | | | | |
| ***Cyperus alternifolius** (C. involucratus) | | | | | | Lemna sp. | | | | | |
| Cyperus articulatus | | | | | | Leucothoe racemosa (Eubotrys racemosa) | | | | | |
| Cyperus haspan | | | | | | Limnobium spongia | | | | | |
| *Cyperus lecontei | | | | | | **Limnophila sessiliflora** | | | | | |
| *Cyperus polystachyos | ✓ | | ✓ | | | Liquidamber styraciflua | | | | | |
| *Cyperus odoratus | ✓ | | ✓ | | | *Ludwigia arcuata | | | | | |
| *Cyperus surinamensis | | | | | | *Ludwigia leptocarpa | | | | | |
| Cyrilla racemiflora | | | | | | *Ludwigia linearis | | | | | |
| Decodon verticillatus | | | | | | *Ludwigia octovalvis | ✓ | ✓ | | | |
| Diodia virginiana | | | ✓ | | | ***Ludwigia peruviana** | | | | | |
| *Echinochloa crus-galli | | | | | | *Ludwigia repens | | | | | |
| *Echinochloa muricatum | | | | | | *Ludwigia ____ | | | | | |
| Echinochloa walteri | | | | | | Luziola fluitans (Hydrochloa carolinensis) | | | | | |
| Eclipta prostrata (E. alba) | ✓ | ✓ | | | | Lyonia lucida | | | | | |
| **Egeria densa** | | | | | | | | | | | |
| **Eichhornia crassipes** | C | ✓ | ✓ | [illegible] | | Iris | ✓ | | | ✓ | |
| *Eleocharis baldwinii | ✓ | ✓ | ✓ | ✓ | | | | | | | |
| *Eleocharis ____ | | | | | | | | | | | |
| Eleocharis cellulosa | | | | | | ~~[illegible]~~ | | | | | |
| Eleocharis equisetoides | | | | | | | | | | | |
| Eleocharis interstincta | | | | | | ~~Cyperus~~ | ✓ | | ~~✓~~ | | ~~[illegible]~~ |
| *Eriocaulon compressum | | | | | | | | | | | |
| *Eriocaulon decangulare | | | | | | ~~Cyperus~~ | ✓ | | ~~✓~~ | | ~~✓~~ |
| Eupatorium capillifolium | | ✓ | | | | | | | | | |
| | | | | | | | | | | | |
| Cyperus esculenta | | | ✓ | | | ~~[illegible]~~ Fuirena squarrosa | | | ✓ | | ✓ |
| | | | | | | | | | | | |

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

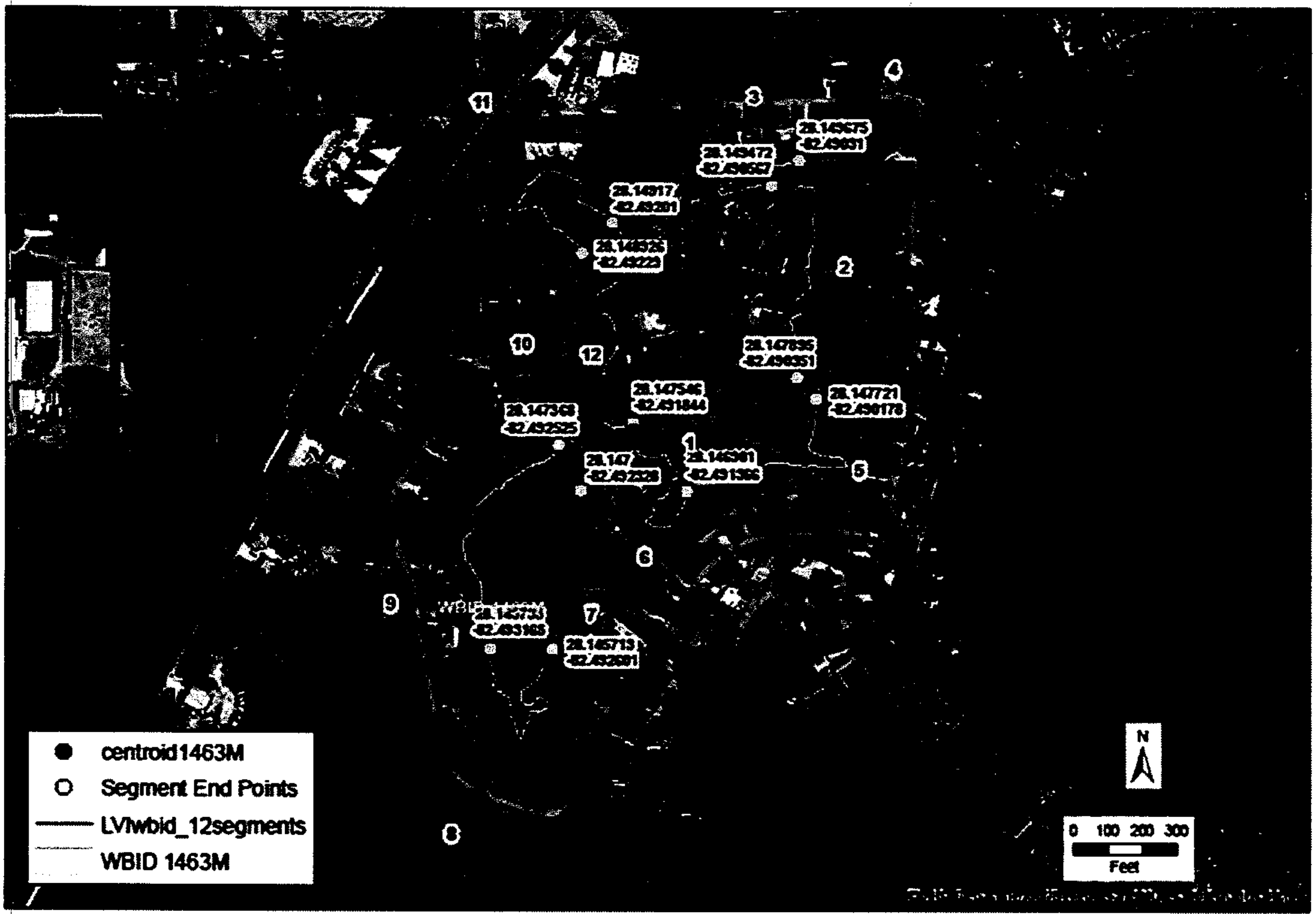
Site: ~~06/14/2018~~ Little Lake Wilson

Date: 06/14/2018

| SPECIES | 3 | 6 | 9 | 12 | Collected? (√) |
|---|---|---|---|---|---|
| Magnolia virginiana | | | | | |
| Mayaca fluviatilis | | | | | |
| **Melaleuca quinquenervia** | ✓ | ✓ | | | |
| Micranthemum glomeratum | | | | | |
| Micranthemum umbrosum | | | | | |
| Mikania scandens | | | | | |
| **Mimosa pigra** | | | | | |
| Myrica cerifera | | | | | |
| Myriophyllum aquaticum | | | | | |
| *Myriophyllum heterophyllum | | | | | |
| *Myriophyllum laxum | | | | | |
| *Myriophyllum pinnatum | | | | | |
| **Myriophyllum spicatum** | | | | | |
| *Najas filifolia | | | | | |
| *Najas guadalupensis | | | | | |
| *Najas minor | | | | | |
| Nelumbo lutea | | | | | |
| Nitella spp. | | | | | |
| Nuphar sp. | ✓ | | | | |
| Nymphaea odorata | | | | | |
| Nymphoides aquatica | | | | | |
| Nyssa sylvatica var. biflora | | | | | |
| Orontium aquaticum | | | | | |
| Osmunda cinnamomea | | | | | |
| Osmunda regalis | | | | | |
| Panicum hemitomon | | | | | |
| **Panicum repens** | C | D | D | C | |
| Paspalidium geminatum | | | | ✓ | |
| *Paspalum repens | | | | | |
| Paspalum urvillei | | | | | |
| Peltandra sp. | | | | | |
| Persea sp. | | | | | |
| **Pennisetum purpureum** | | | | | |
| Phragmites australis | | | | | |
| Pinus elliottii | | | | | |
| **Pistia stratioides** | | | | | |
| Pluchea sp. | | | | | |
| *Polygonum glabrum (densiflorum) | | | | | |
| *Polygonum hydropiperoides | | | ✓ | | |
| *Polygonum punctatum | | | | | |
| *Polygonum sp. | | | | | |
| Pontederia cordata | | | ✓ | | |
| *Potamogeton diversifolius | | | | | |
| *Potamogeton illinoensis | | | | | |
| *Potamogeton pusillus | | | | | |
| *Potamogeton pectinatus | | | | | |
| Proserpinaca pectinata | | | | | |
| *Rhexia | | | | | |
| *Rhynchospora corniculata | | | | | |
| *Rhynchospora inundata | | | | | |
| Rhynochospora tracyi | | | | | |
| Ricciocarpus natans | | | | | |
| ~~Polygonum~~ Rynochospora | | ✓ | ✓ | | ✓ |

| SPECIES | 3 | 6 | 9 | 12 | Collected? (√) |
|---|---|---|---|---|---|
| Sabal palmetto | | | | | |
| Sacciolepis striata | | ✓ | | | |
| *Sagittaria filiformis | | | | | |
| *Sagittaria graminea | | | | | |
| *Sagittaria isoetiformis | | | | | |
| Sagittaria lancifolia | | | | | |
| Sagittaria latifolia | | | | | |
| Salix caroliniana | | | | | |
| **Salvinia minima** | ✓ | ✓ | ✓ | ✓ | |
| Sambucus canadensis | | | | | |
| **Sapium sebiferum** | | | | | |
| Saururus cernuus | | | | | |
| **Schinus terebinthifolius** | ✓ | | | | |
| *Schoenoplectus californicus (Cali bulrush) | | | | | |
| *Schoenoplectus pungens (three square) | | | | | |
| *Schoenoplectus tabernaemontani (softsteam) | ✓ | | ✓ | | |
| Scirpus cubensis (Oxycaryon cubense) | | | | | |
| Scirpus cyperinus | | | | | |
| *Sesbania | | | | | |
| Solidago sp. | | | | | |
| Sparganium americanum | | | | | |
| Spartina bakeri | | | | | |
| **Sphagneticola trilobata (Wedelia)** | ✓ | | | ✓ | |
| Spirodela polyrhiza | | | | | |
| Taxodium sp. | | ✓ | ✓ | | |
| Thalia geniculata | | | | | |
| Thelypteris palustris | ✓ | | | ✓ | |
| Triadenum virginicum | | | | | |
| Typha sp. | | | | ✓ | |
| **Urochloa mutica (Brachiaria mutica)** | | | | | |
| *Utricularia gibba (U. biflora) | | | | | |
| *Utricularia floridana | | | | | |
| *Utricularia foliosa | | | | | |
| *Utricularia inflata | | | | | |
| *Utricularia purpurea | | | | | |
| *Utricularia cornuta | | | | | |
| *Utricularia radiata | | | | | |
| Vallisneria americana | | | | | |
| *Websteria confervoides | | | | | |
| Wolffiella spp. | | | | | |
| Woodwardia virginica | | | | | |
| Xyris sp. | | | | | |
| Zizania aquatica | | | | | |
| Zizaniopsis milacea | | | | | |
| Ruellia brittonian | ✓ | | | | |

# LVI Map for LITTLE LAKE WILSON, WBID 1463M



Current Date: 1/12/2015

Date Saved: 1/12/2015

**Request Number: RQ-2018-06-11-10**

LVI Lakes

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

Page 1 of 2

last revised Jan 25, 2018

**Customer: SW-DIST**

**Project ID: SMP**

Requester: Benjamin Paswater

Collected By: B Paswater & S Meyer

Field Report Prepared By: S Meyer

Sampling Agency: SW ROC

| | | | | | | |
|---|---|---|---|---|---|---|
| Location<br>Field ID/WIN | G1SW0006 | ☐ Comp<br>☒ Grab | Collection (comp begin or grab)<br>Date 06/14/2018 Time 1050 | [✓ Eastern]<br>Central | Composite end<br>Date Time | Bottle Group(s) (See pg 2)<br>A |
| | | Matrix (type, e.g., Salt, [✓ Fresh] etc) | | Diss. Oxygen 8.29 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) — | |
| Site Name: | Little Lake Wilson Ctr | Temp (C) 30.1 | pH 7.4 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 113 | |
| | ☐ dms | ☐ dd<br>☐ dms | Salinity (ppt) — | Comments | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Location | | ☐ Comp<br>☐ Grab | Collection (comp begin or grab)<br>Date Time | Eastern<br>Central | Composite end<br>Date Time | Bottle Group(s) |
| Field ID | | Matrix (type, e.g., Salt, Fresh, etc) | | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L) | |
| WIN/STORET # | | Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm) | |
| Latitude | ☐ dd<br>☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) | Comments | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Location | | ☐ Comp<br>☐ Grab | Collection (comp begin or grab)<br>Date Time | Eastern<br>Central | Composite end<br>Date Time | Bottle Group(s) |
| Field ID | | Matrix (type, e.g., Salt, Fresh, etc) | | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L) | |
| WIN/STORET # | | Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm) | |
| Latitude | ☐ dd<br>☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) | Comments | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Location | | ☐ Comp<br>☐ Grab | Collection (comp begin or grab)<br>Date Time | Eastern<br>Central | Composite end<br>Date Time | Bottle Group(s) |
| Field ID | | Matrix (type, e.g., Salt, Fresh, etc) | | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L) | |
| WIN/STORET # | | Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm) | |
| Latitude | ☐ dd<br>☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) | Comments | | |

| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
|---|---|---|---|---|---|
| Sarah Meyer | 06/14/2018 1600 | FedEx | 1 | | |

Group: A Bottle Type: P-1L # of Bottles: 2 Preservative: ICE **Enter Number of Bottles Sent to Lab** 1

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

---

Group: A Bottle Type: BP-1L # of Bottles: 2 Preservative: ICE **Enter Number of Bottles Sent to Lab** 1

CHLSUITE-W

---

Group: A Bottle Type: P-250ML-WO-THI # of Bottles: 2 Preservative: ICE **Enter Number of Bottles Sent to Lab** 1

ECOLI-18QT

---

Group: A Bottle Type: P-500ML # of Bottles: 2 Preservative: ICE And H2SO4 **Enter Number of Bottles Sent to Lab** 1

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

---

Group: A Bottle Type: P-125ML # of Bottles: 2 Preservative: FILTER-ICE **Enter Number of Bottles Sent to Lab** 1

W-PO4-F