



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STRATEGIC MONITORING PROGRAM FIELD SHEET

v2016

PAGE \_\_\_\_ OF \_\_\_\_

Data Qualified?  
Yes / No

STORET Station Na:

STORET Station ID:

WBID:

3496A RQ-2016-07-04-25

ORG ID:

Date:

7/6/16

(mm/dd/yyyy)

Latitude:

30.2222

(Decimal Degrees)

Longitude:

82.8359

(Decimal Degrees)

Receiving Body of Water:

Field ID:

County:

Suwannee

Sampling Team Members

N Fredrick  
J Penniss  
B Davis

WQ Measurements  
Sample Collection  
Documentation  
Preservation  
Preservation Check

Sampling Equipment

☒ Sample Container ☐ Van Dorn ☐ Pole  
☐ Carboy ☐ Syringe  
☐ Dipper ☐ Other

Equipment ID

Collection Method

☐ Wading From ☐ Via Boat  
☐ Shore ☐ Canoe/Kayak  
☐ Other (note below) ☒ Electric Motor  
☒ Gasoline Motor

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

Meter ID#

YSI #3

Photos:

Yes

No

Matrix:

Fresh

Marine

DI

Tide Falling:

Yes

No

NA

| Time | Time | Sample Depth (m) | Total Depth (m) | DO (mg/L)    | DO (%SAT) | pH   | Salinity (ppt) | Secchi Disk (m) | Sp COND (µmhos/cm) | Temp. (C°) |
|------|------|------------------|-----------------|--------------|-----------|------|----------------|-----------------|--------------------|------------|
| EST  | 935  | 0.3              | 3.5             | 6.30         | 83.7      | 6.64 | 0.03           | 0.6             | 67                 | 31.2       |
| CEN  | 940  | 2.75             |                 | 6.40<br>0.18 | 2.3       | 6.0  | 0.03           |                 | 73                 | 22.61      |

Biological Samples Collected: None HA SCI LVS RPS LVI Other

| Parameter Suite            | Parameter Methods                                                                                                                                                                                                               | Preservation                                                                      | Acid Lot# | Expiration | pH Check                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|------------|----------------------------------------|
| Preserved Nutrients        | <input checked="" type="checkbox"/> W-NH3 / <input checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-TOC / <input checked="" type="checkbox"/> W-S-A-TP | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | 5259020   | 9/16/16    | <input checked="" type="checkbox"/> <2 |
| Metals                     | <input checked="" type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3  | 5113210   | 4/16/16    | <input checked="" type="checkbox"/> <2 |
| Filtered Nutrients         | <input type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                              | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Chlorophyll                | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                  | <input checked="" type="checkbox"/> Ice                                           |           |            |                                        |
| BOD                        | <input type="checkbox"/> BOD-UNIN                                                                                                                                                                                               | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Physical/Aggregate (Kit A) | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                   | <input checked="" type="checkbox"/> Ice                                           |           |            |                                        |
| Physical/Aggregate (Kit B) | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                                   | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Macroinvertebrates         | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                             | <input type="checkbox"/> Formalin                                                 |           |            |                                        |
| Microbiology               | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococcus <input type="checkbox"/> QPCR                                                                                             | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Periphyton                 | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                               | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Pesticides                 | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-PVR-AA-R<br><input type="checkbox"/> W-PC-AA-SF <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH          | <input type="checkbox"/> Ice<br><input type="checkbox"/> Other                    |           |            |                                        |

Contains  
1:1

Sulfuric Acid  
SA-5259020

EXP: 09/16/16

Warning!

Preservative Sticker(s) Here  
(If Available)

Phytoplankton PKD-QN-C  
Notes: collected: PKD-QN-C  
phytoplankton

Place Label Here  
(If Available)

Signature:

Nicole French

Date:

7/6/16

Field Parameters Entered into LIMS:

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

Field Sheets Scanned/Saved:

sho 76495

| Waterbody: <u>Low Lake Center</u>                                                                                                                                                                                                                                                                                       |   | County: <u>Sunance</u>        |   | Date: <u>6/7/15</u>                                                                        |                |                                                |   |   |   |    |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------|---|--------------------------------------------------------------------------------------------|----------------|------------------------------------------------|---|---|---|----|----------------|
| Analyst: <u>S. P. Smith</u>                                                                                                                                                                                                                                                                                             |   | Signature: <u>[Signature]</u> |   | STORET: <u>210200265</u>                                                                   |                |                                                |   |   |   |    |                |
| Except where noted as "sp." species level identification required. *Genera that may require lab verification*<br>Plants in bold = FLEPPC invasive exotic.<br>It is important to note dominant or co-dominant taxa (by areal extent) for each unit. Use "D" to denote dominant taxon, or "C" for the 2 co-dominant taxa. |   |                               |   | Lake units sampled (circle one group):<br>1, 4, 7, 10    2, 5, 8, 11<br><u>3, 6, 9, 12</u> |                |                                                |   |   |   |    |                |
| SPECIES                                                                                                                                                                                                                                                                                                                 | 3 | 6                             | 9 | 12                                                                                         | Collected? (✓) | SPECIES                                        | 3 | 6 | 9 | 12 | Collected? (✓) |
| Acer rubrum                                                                                                                                                                                                                                                                                                             | ✓ | ✓                             | ✓ | ✓                                                                                          |                | Habenaria repens                               |   |   |   |    |                |
| <b>Alternanthera philoxeroides</b>                                                                                                                                                                                                                                                                                      | ✓ | ✓                             | ✓ | ✓                                                                                          |                | <b>Hydrilla verticillata</b>                   |   |   |   |    |                |
| Andropogon sp.                                                                                                                                                                                                                                                                                                          |   |                               |   |                                                                                            |                | Hydrocotyle sp.                                | ✓ | ✓ | ✓ | ✓  |                |
| Azolla filiculoides (A. caroliniana)                                                                                                                                                                                                                                                                                    |   |                               |   |                                                                                            |                | <b>Hypophyllum polysperma</b>                  |   |   |   |    |                |
| Baccharis sp.                                                                                                                                                                                                                                                                                                           |   |                               |   |                                                                                            |                | *Hypericum fasciculatum                        |   |   |   |    |                |
| Bacopa caroliniana                                                                                                                                                                                                                                                                                                      |   |                               |   |                                                                                            |                | *Hypericum hypericoides                        |   |   |   |    |                |
| Bacopa monnieri                                                                                                                                                                                                                                                                                                         |   |                               |   |                                                                                            |                | *Hypericum myrtifolium                         |   |   |   |    |                |
| Bidens laevis                                                                                                                                                                                                                                                                                                           |   |                               |   |                                                                                            |                | Ilex cassine                                   | ✓ | ✓ |   | ✓  |                |
| Bidens mitis                                                                                                                                                                                                                                                                                                            |   |                               |   |                                                                                            |                | <b>Ipomoea aquatica</b>                        |   |   |   |    |                |
| Blechnum serrulatum                                                                                                                                                                                                                                                                                                     |   |                               |   |                                                                                            |                | Ipomoea sagittata                              |   |   |   |    |                |
| Boehmeria cylindrica                                                                                                                                                                                                                                                                                                    | ✓ | ✓                             | ✓ | ✓                                                                                          |                | Itea virginica                                 | ✓ |   |   |    |                |
| Brasenia schreberi                                                                                                                                                                                                                                                                                                      |   |                               |   |                                                                                            |                | Juncus effusus                                 |   |   | ✓ |    |                |
| Cabomba caroliniana                                                                                                                                                                                                                                                                                                     |   |                               |   |                                                                                            |                | *Juncus marginatus                             |   |   |   |    |                |
| <b>Casuarina equisetifolia</b>                                                                                                                                                                                                                                                                                          |   |                               |   |                                                                                            |                | *Juncus megacephalus                           |   |   |   |    |                |
| Centella asiatica                                                                                                                                                                                                                                                                                                       |   |                               |   |                                                                                            |                | Juncus repens                                  |   |   |   |    |                |
| Cephalanthus occidentalis                                                                                                                                                                                                                                                                                               | ✓ | ✓                             | ✓ | ✓                                                                                          |                | *Juncus scirpoides                             |   |   |   |    |                |
| Ceratophyllum demersum                                                                                                                                                                                                                                                                                                  |   |                               |   |                                                                                            |                | Lachnanthes caroliniana                        |   |   |   |    |                |
| Chara sp.                                                                                                                                                                                                                                                                                                               |   |                               |   |                                                                                            |                | Leersia hexandra                               |   |   |   |    |                |
| Cladium jamaicense                                                                                                                                                                                                                                                                                                      |   |                               |   |                                                                                            |                | <b>Landoltia punctata (Spirodela punctata)</b> |   |   |   |    |                |
| Cliftonia monophylla                                                                                                                                                                                                                                                                                                    |   |                               |   |                                                                                            |                | Lemna sp.                                      |   |   |   |    |                |
| <b>Colocasia esculenta</b>                                                                                                                                                                                                                                                                                              |   |                               |   |                                                                                            |                | Leucothoe racemosa (Eubotrys racemosa)         |   |   |   |    |                |
| *Commelina                                                                                                                                                                                                                                                                                                              |   |                               |   |                                                                                            |                | Limnium spongia                                | ✓ |   | ✓ |    |                |
| Crinum americanum                                                                                                                                                                                                                                                                                                       |   |                               |   |                                                                                            |                | <b>Limnophila sessiliflora</b>                 | ✓ |   | ✓ |    |                |
| *Cyperus alternifolius (C. involucratus)                                                                                                                                                                                                                                                                                |   |                               |   |                                                                                            |                | Liquidambar styraciflua                        | ✓ |   | ✓ |    |                |
| Cyperus articulatus                                                                                                                                                                                                                                                                                                     |   |                               |   |                                                                                            |                | *Ludwigia arcuata                              |   |   |   |    |                |
| Cyperus haspan                                                                                                                                                                                                                                                                                                          |   |                               |   |                                                                                            |                | *Ludwigia leptocarpa                           |   |   |   |    |                |
| *Cyperus lecontei                                                                                                                                                                                                                                                                                                       |   |                               |   |                                                                                            |                | *Ludwigia linearis                             |   |   |   |    |                |
| *Cyperus polystachyos                                                                                                                                                                                                                                                                                                   |   |                               |   |                                                                                            |                | *Ludwigia octovalvis                           |   |   |   |    |                |
| *Cyperus odoratus                                                                                                                                                                                                                                                                                                       |   |                               |   |                                                                                            |                | *Ludwigia peruviana                            |   |   |   |    |                |
| *Cyperus surinamensis                                                                                                                                                                                                                                                                                                   |   |                               |   |                                                                                            |                | *Ludwigia repens                               |   |   |   |    |                |
| Cyrtilla racemiflora                                                                                                                                                                                                                                                                                                    |   |                               |   |                                                                                            |                | *Ludwigia                                      |   |   |   |    |                |
| Decodon verticillatus                                                                                                                                                                                                                                                                                                   |   |                               |   |                                                                                            |                | Luziola fluitans (Hydrochloa carolinensis)     |   |   |   |    |                |
| Diodia virginiana                                                                                                                                                                                                                                                                                                       |   |                               |   |                                                                                            |                | Lyonia lucida                                  |   |   |   |    |                |
| *Echinochloa crus-galli                                                                                                                                                                                                                                                                                                 |   |                               |   |                                                                                            |                | Magnolia virginiana                            | ✓ | ✓ |   |    |                |
| *Echinochloa muricatum                                                                                                                                                                                                                                                                                                  |   |                               |   |                                                                                            |                | Mayaca fluviatilis                             |   |   |   |    |                |
| Echinochloa walteri                                                                                                                                                                                                                                                                                                     |   |                               |   |                                                                                            |                | <b>Melaleuca quinquenervia</b>                 |   |   |   |    |                |
| Eclipta prostrata (E. alba)                                                                                                                                                                                                                                                                                             |   |                               |   |                                                                                            |                | Micranthemum glomeratum                        |   |   |   |    |                |
| <b>Egeria densa</b>                                                                                                                                                                                                                                                                                                     |   |                               |   |                                                                                            |                | Micranthemum umbrosum                          |   |   |   |    |                |
| <b>Eichhornia crassipes</b>                                                                                                                                                                                                                                                                                             | ✓ | ✓                             | ✓ | ✓                                                                                          |                | Mikania scandens                               |   |   |   |    |                |
| *Eleocharis baldwinii                                                                                                                                                                                                                                                                                                   |   |                               |   |                                                                                            |                | <b>Mimosa pigra</b>                            |   |   |   |    |                |
| *Eleocharis                                                                                                                                                                                                                                                                                                             |   |                               |   |                                                                                            |                | Myrica cerifera                                | ✓ | ✓ | ✓ | ✓  |                |
| Eleocharis cellulosa                                                                                                                                                                                                                                                                                                    |   |                               |   |                                                                                            |                |                                                |   |   |   |    |                |
| Eleocharis equisetoides                                                                                                                                                                                                                                                                                                 |   |                               |   |                                                                                            |                |                                                |   |   |   |    |                |
| Eleocharis interstincta                                                                                                                                                                                                                                                                                                 |   |                               |   |                                                                                            |                |                                                |   |   |   |    |                |
| *Eriocaulon compressum                                                                                                                                                                                                                                                                                                  |   |                               |   |                                                                                            |                |                                                |   |   |   |    |                |
| *Eriocaulon decangulare                                                                                                                                                                                                                                                                                                 |   |                               |   |                                                                                            |                |                                                |   |   |   |    |                |
| Eupatorium capillifolium                                                                                                                                                                                                                                                                                                |   |                               |   | ✓                                                                                          |                |                                                |   |   |   |    |                |
| *Fuirena                                                                                                                                                                                                                                                                                                                |   |                               |   |                                                                                            |                |                                                |   |   |   |    |                |
| Fuirena scirpoidea                                                                                                                                                                                                                                                                                                      |   |                               |   |                                                                                            |                |                                                |   |   |   |    |                |
| Gordonia lasianthus                                                                                                                                                                                                                                                                                                     | ✓ |                               |   |                                                                                            |                |                                                |   |   |   |    |                |

Referee <sup>center</sup> *Carle*

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

| Site: <i>Low Lake 21020065</i>                 |  |   |   |                | Date: <i>7/6/16</i>                               |  |  |   |                |
|------------------------------------------------|--|---|---|----------------|---------------------------------------------------|--|--|---|----------------|
| SPECIES                                        |  |   |   | Collected? (✓) | SPECIES                                           |  |  |   | Collected? (✓) |
| Myriophyllum aquaticum                         |  |   |   |                | Salix caroliniana                                 |  |  |   |                |
| *Myriophyllum heterophyllum                    |  |   |   |                | Salvinia minima                                   |  |  | ✓ | ✓              |
| *Myriophyllum laxum                            |  |   |   |                | Sambucus canadensis                               |  |  |   |                |
| *Myriophyllum pinnatum                         |  |   |   |                | Sapium sebiferum                                  |  |  |   |                |
| Myriophyllum spicatum                          |  |   |   |                | Saururus cernuus                                  |  |  |   |                |
| *Najas filifolia                               |  |   |   |                | Schinus terebinthifolius                          |  |  |   |                |
| *Najas guadalupensis                           |  |   |   |                | *Schoenoplectus californicus                      |  |  |   |                |
| *Najas minor                                   |  |   |   |                | *Schoenoplectus pungens                           |  |  |   |                |
| Nelumbo lutea                                  |  |   |   |                | *Schoenoplectus tabernaemontani (Scirpus validus) |  |  |   |                |
| Nitella spp.                                   |  |   |   |                | Scirpus cubensis (Oxycaryon cubense)              |  |  |   |                |
| Nuphar sp.                                     |  |   | ✓ |                | Scirpus cyperinus                                 |  |  | ✓ | ✓              |
| Nymphaea odorata                               |  |   |   |                | *Sesbania                                         |  |  |   |                |
| Nymphoides aquatica                            |  |   |   |                | Solidago sp.                                      |  |  |   |                |
| Nyssa sylvatica var. biflora                   |  |   |   |                | Sparganium americanum                             |  |  |   |                |
| Orontium aquaticum                             |  |   |   |                | Spartina bakeri                                   |  |  |   |                |
| Osmunda cinnamomea                             |  |   |   |                | Spirodela polyrhiza                               |  |  |   |                |
| Osmunda regalis                                |  | ✓ | ✓ |                | Taxodium sp.                                      |  |  |   |                |
| Panicum hemitomon                              |  | ✓ | ✓ | ✓              | Thalia geniculata                                 |  |  |   |                |
| Panicum repens                                 |  |   |   |                | Thelypteris palustris                             |  |  |   |                |
| Paspalidium geminatum                          |  |   |   |                | Triadenum virginicum                              |  |  |   |                |
| *Paspalum repens                               |  |   |   |                | Typha sp.                                         |  |  | ✓ | ✓              |
| Paspalum urvillei                              |  |   | ✓ | ✓              | Urochloa mutica (Brachiaria mutica)               |  |  |   |                |
| Peltandra sp.                                  |  |   |   |                | *Utricularia gibba (U. biflora)                   |  |  |   |                |
| Persea sp.                                     |  |   |   |                | *Utricularia floridana                            |  |  |   |                |
| Pennisetum purpureum                           |  |   |   |                | *Utricularia foliosa                              |  |  |   |                |
| Phragmites australis                           |  |   |   |                | *Utricularia inflata                              |  |  |   |                |
| Pinus elliotii                                 |  | ✓ | ✓ | ✓              | *Utricularia purpurea                             |  |  |   |                |
| Pistia stratioides                             |  |   |   |                | *Utricularia cornuta                              |  |  |   |                |
| Pluchea sp.                                    |  |   |   |                | *Utricularia radiata                              |  |  |   |                |
| *Polygonum glabrum (densiflorum)               |  |   |   |                | Vallisneria americana                             |  |  |   |                |
| *Polygonum hydropiperoides                     |  | ✓ | ✓ | ✓              | *Websteria confervoides                           |  |  |   |                |
| *Polygonum punctatum                           |  | ✓ |   |                | Wedelia trilobata (Sphagnetocola trilobata)       |  |  |   |                |
| *Polygonum                                     |  |   |   |                | Wolffiella spp.                                   |  |  |   |                |
| Pontederia cordata                             |  |   |   |                | Woodwardia virginica                              |  |  |   |                |
| *Potamogeton diversifolius                     |  |   |   |                | Xyris sp.                                         |  |  |   |                |
| *Potamogeton illinoensis                       |  |   |   |                | Zizania aquatica                                  |  |  |   |                |
| *Potamogeton pusillus                          |  |   |   |                | Zizaniopsis milacea                               |  |  |   |                |
| *Potamogeton pectinatus (Stuckenia pectinatus) |  |   |   |                | <i>Vitis sp.</i>                                  |  |  | ✓ | ✓              |
| Proserpinaca pectinata                         |  |   |   |                |                                                   |  |  |   |                |
| *Rhexia                                        |  |   |   |                |                                                   |  |  |   |                |
| *Rhynchospora corniculata                      |  |   |   |                |                                                   |  |  |   |                |
| *Rhynchospora inundata                         |  |   |   |                |                                                   |  |  |   |                |
| Rhynchospora tracyi                            |  |   |   |                |                                                   |  |  |   |                |
| Ricciocarpus natans                            |  |   |   |                |                                                   |  |  |   |                |
| Sabal palmetto                                 |  |   |   |                |                                                   |  |  |   |                |
| Sacciolepis striata                            |  | ✓ | ✓ | ✓              |                                                   |  |  |   |                |
| *Sagittaria filiformis                         |  |   |   |                |                                                   |  |  |   |                |
| *Sagittaria graminea                           |  |   |   |                |                                                   |  |  |   |                |
| *Sagittaria isoetiformis                       |  |   |   |                |                                                   |  |  |   |                |
| Sagittaria lancifolia                          |  |   |   |                |                                                   |  |  |   |                |
| Sagittaria latifolia                           |  |   |   |                |                                                   |  |  |   |                |

5610 76495

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Lake Habitat Assessment Field Sheet

|                                           |                                                                                                                                                                                                                                                                                           |                                                                                                                                            |                                                                                                                     |                                                                                                                                            |                     |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| STORET STATION NUMBER:<br><b>21020065</b> | DATE (MM/DD/YY)<br><b>7/6/16</b>                                                                                                                                                                                                                                                          | LAKE NAME<br><b>Low lake center</b>                                                                                                        |                                                                                                                     | FIELD ID / NAME:                                                                                                                           |                     |
| ECO-REGION:                               | COUNTY:<br><b>Sumner</b>                                                                                                                                                                                                                                                                  | SAMPLING LOCATION/DESCRIPTION:                                                                                                             |                                                                                                                     | LAKE SIZE:                                                                                                                                 |                     |
| PARAMETER                                 | No surface inflow or outflow present, very long water residence time, groundwater seepage dominates.                                                                                                                                                                                      | Surface water inflow present, but flow is rare, moderate to long water residence time                                                      | Surface water inflow and outflow present (or outflow only), sometimes with visible flow, short water residence time | Impounded, hydrology of system artificially controlled                                                                                     |                     |
| HYDROLOGY                                 | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                       | <input type="checkbox"/>                                                                                                                   | <input type="checkbox"/>                                                                                            | <input type="checkbox"/>                                                                                                                   |                     |
| Color                                     | Very clear, uncolored water (benthic sampling appropriate) <input type="checkbox"/>                                                                                                                                                                                                       | Water somewhat tannin stained (benthic sampling appropriate) <input type="checkbox"/>                                                      | Dark, discolored water (water color 20 PCU or higher) <input type="checkbox"/>                                      | Visibility extremely reduced due to high color <input checked="" type="checkbox"/>                                                         |                     |
|                                           | Optimal                                                                                                                                                                                                                                                                                   | Suboptimal                                                                                                                                 | Marginal                                                                                                            | Poor                                                                                                                                       |                     |
| Secchi                                    | Secchi >3 m<br>Or VOB                                                                                                                                                                                                                                                                     | Secchi(m)                                                                                                                                  | 3 2.6 2.2 1.8 1.4                                                                                                   | 1.0 0.9 0.8 0.7 0.6                                                                                                                        | 0.5 0.4 0.3 0.2 0.1 |
|                                           | 20 19 18 17 16                                                                                                                                                                                                                                                                            | 15 14 13 12 11                                                                                                                             | 10 9 8 7 6                                                                                                          | 5 4 3 2 1                                                                                                                                  |                     |
| Vegetation Quality                        | Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa                                                                                                                                                                                                   | Mostly expected native plants, but moderate growths (6%-20% of lake) of nuisance macrophytes, or more than 50% of lake covered with plants | Large masses (21%-40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats              | Lake choked (>40%) with nuisance macrophytes (duckweed, hyacinth, etc.) or algal mats, or few plants present at all (e.g., plants removed) |                     |
|                                           | 20 19 18 17 16                                                                                                                                                                                                                                                                            | 15 14 13 12 11                                                                                                                             | 10 9 8 7 6                                                                                                          | 5 4 3 2 1                                                                                                                                  |                     |
| Stormwater Inputs                         | Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation                                                                                                                                                                                                     | Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place                                         | Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place          | Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place                          |                     |
|                                           | 20 19 18 17 16                                                                                                                                                                                                                                                                            | 15 14 13 12 11                                                                                                                             | 10 9 8 7 6                                                                                                          | 5 4 3 2 1                                                                                                                                  |                     |
| Bottom Substrate Quality                  | Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present                                                                                                                                                                                                | Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present                                               | Moderate layer of CPOM/mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom        | Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom           |                     |
|                                           | 20 19 18 17 16                                                                                                                                                                                                                                                                            | 15 14 13 12 11                                                                                                                             | 10 9 8 7 6                                                                                                          | 5 4 3 2 1                                                                                                                                  |                     |
| Lakeside Adverse Human Alterations        | Very few man-made structures, roads, or other disturbance adjacent to lake (<10%)                                                                                                                                                                                                         | Moderate disturbance visible (structures, roads or other), 10%-49% lakeside affected                                                       | Many structures, roads or other human disturbance visible (50%-70%) lakeside affected                               | Highly developed or disturbed (>70% of lakeside affected)                                                                                  |                     |
|                                           | 20 19 18 17 16                                                                                                                                                                                                                                                                            | 15 14 13 12 11                                                                                                                             | 10 9 8 7 6                                                                                                          | 5 4 3 2 1                                                                                                                                  |                     |
| Upland Buffer Zone                        | Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer                                                                                                                                                                                 | 89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer                                                                       | 50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer                                             | < 29% of shoreline with >18m buffer                                                                                                        |                     |
|                                           | 20 19 18 17 16                                                                                                                                                                                                                                                                            | 15 14 13 12 11                                                                                                                             | 10 9 8 7 6                                                                                                          | 5 4 3 2 1                                                                                                                                  |                     |
| Adverse Watershed Land Use                | Score the potential effects from adverse human land uses, based on a continuum of amount and type, with least to most adverse as follows: Native vegetation, Silviculture, Pasture or Citrus, Low Density Residential, Row Crops, Commercial, High Density Residential, Urban, Industrial |                                                                                                                                            |                                                                                                                     |                                                                                                                                            |                     |
|                                           | 20 19 18 17 16                                                                                                                                                                                                                                                                            | 15 14 13 12 11                                                                                                                             | 10 9 8 7 6                                                                                                          | 5 4 3 2 1                                                                                                                                  |                     |

TOTAL  
SCORE

104

COMMENTS:

ANALYSIS DATE:

7/6/16

ANALYST:

J. Smith

SIGNATURE:

J. Smith

DEP-SOP-001/01: Form FD 9000-3  
**PHYSICAL/CHEMICAL CHARACTERIZATION ELECTRONIC FIELD SHEET**

EL-5

SAMPLE ID: 716116 SURNAME: Sumner ORG ID: 21020065  
 COUNTY: 716116 STORET #: 21020065  
 DATE: 7/6/16 TIME: 935  
 SITE NAME: Low Lake center SAMPLE COMPLETE? ☐  
 FIELD ID/NAME: \_\_\_\_\_ RECEIVING BODY OF WATER: \_\_\_\_\_

**RIPARIAN ZONE / STREAM FEATURES**

**PREDOMINANT LAND-USE IN WATERSHED** (specify relative percent in each category):

|                      |                      |                      |                      |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Forest/Natural       | silviculture         | Field/Pasture        | Agricultural         | Residential          | Commercial           | Industry             | Other (Specify)      |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Local Watershed Erosion (select one): ☒ None ☐ Slight ☐ Moderate ☐ Heavy  
 Local Watershed NPS Pollution: ☒ No evidence ☐ Slight ☐ Moderate ☐ Heavy

**Width of Riparian Vegetation (m) on Each Buffer Side**  
 Left Bank:  Right Bank:

**High Water Mark:**  +  =   
 (m) (above present water level) (present depth) (above bed)

Artificially Impounded: ☐ Yes ☐ No

Artificially: ☐ No ☐ Mostly recovered, more sinuous  
 Channelized: ☐ Some recovery ☐ Recent, severe

**Canopy Cover %:** ☐ Open ☐ Lightly Shaded (11-45%)  
☐ Heavily Shaded ☐ Moderate Shaded (46-80%)

**Typical Width (m) Depth (m)/Velocity (m/sec) Transect**  
 \_\_\_\_\_ m wide  
 \_\_\_\_\_ m/s \_\_\_\_\_ m/s \_\_\_\_\_ m/s  
 \_\_\_\_\_ m deep \_\_\_\_\_ m deep \_\_\_\_\_ m deep

**SEDIMENT / SUBSTRATE**

**Sediment Oils:** ☒ Absent ☐ Slight ☐ Moderate ☐ Profuse  
**Sediment Odors:** ☒ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify): \_\_\_\_\_  
**Sediment Deposition:** ☐ Sludge ☒ Sand Smothering: ☐ None ☐ Slight ☐ Moderate ☐ Severe  
☐ Silt Smothering: ☐ None ☐ Slight ☐ Moderate ☐ Severe ☐ Other (Specify): \_\_\_\_\_

**SUBSTRATE TYPE**  
 Assessment Tool: ☐ SCI ☐ BioRecon ☐ LCI ☒ LVI  
 % Coverage:  # Times Sampled:  INVERT:  PERI:

|                          |                      |                      |                      |
|--------------------------|----------------------|----------------------|----------------------|
| Woody Debris (Snags)     | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Undercut Banks / Roots   | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Leaf Packs or Mat .....  | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Aquatic Vegetation ..... | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Rock or Shell Rubble..   | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Sand.....                | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Mud / Muck / Silt .....  | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Other .....              | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Other .....              | <input type="text"/> | <input type="text"/> | <input type="text"/> |

**WATER QUALITY**  
 Depth (M): 0.3 Temp. (°C): 31.2 pH (SU): 6.6 D.O. (MG/L): 6.3 Cond. (UMHO/CM): 67 Salinity (PPT): 0.03 SECCHI (M): 0.6  
 Top: \_\_\_\_\_ Mid-Depth: 0.3 Bottom: 3.5  
☐ VOB

**Water Surface Oils:** ☒ None ☐ Sheen ☐ Globbs ☐ Slick  
**Water Odors:** ☒ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Other (Specify): \_\_\_\_\_

**Water Sample Taken?** ☒ Yes ☐ No  
**Algae Sample Taken?** ☐ Yes ☒ No

**Clarity:** ☐ Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque  
**Color:** ☒ Tannic ☐ Green (Algae) ☐ Clear ☐ Other (Specify): \_\_\_\_\_

**SYSTEM TYPE:** ☐ Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other (Specify): \_\_\_\_\_

**WEATHER CONDITIONS / NOTES:**

Reference LVI  
☐ The antecedent hydrologic conditions have been met to my best knowledge.  
 Water samples preserved? ☒ Yes ☐ pH<2 ☐ No Algae samples preserved? ☐ Yes ☐ No

**ABUNDANCE**

|                       | Absent                   | Rare                                | Common                              | Abundant                 |
|-----------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Periphyton:           | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Fish:                 | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Aquatic Macrophytes:  | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Iron/Sulfur Bacteria: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

**SAMPLING TEAM:** Sumner **SIGNATURE:** Sumner **DATE:** 7/6/16