



## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## STRATEGIC MONITORING PLAN Field Sheet

July 2022

Meter  
Passed End  
of Day CCV

Yes No

|                          |                        |         |         |      |              |               |           |
|--------------------------|------------------------|---------|---------|------|--------------|---------------|-----------|
| WIN Station Name:        | LAKE GLEASON AT CENTER |         |         |      | Sample Date: | 6/15/2023     |           |
| WIN / Field ID:          | G2CE0114               | ORG ID: | 21FLCEN | ENR: | -            | Latitude:     | 28.89192  |
| County:                  | VOLUSIA                | WBID:   | 2893G   | LAKE |              | Longitude:    | -81.26496 |
| Receiving Body of Water: | -                      |         |         |      | RQ-          | 2023-06-05-29 |           |

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|-----------------|-------------------|---------------|--------------|--------------------|
| Leif Boman            |                 | x                 |               | x            | x                  |
| Jessie Atchison       | x               |                   | x             |              |                    |
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |

| Sampling Equipment |                      |          |                |
|--------------------|----------------------|----------|----------------|
| x                  | Sample Container     |          | Carboy         |
|                    | Dipper               |          | Van Dorn       |
| x                  | Syringe              |          | Pole           |
|                    | Syringe Lot#         | 2298556  | Filter Lot#    |
|                    |                      |          | 17769663       |
|                    | Secchi Equipment ID: | Knothead |                |
| Collection Method  |                      |          |                |
|                    | Wading               |          | Canoe/Kayak    |
|                    | From Shore           |          | Electric Motor |
|                    |                      | x        | Gasoline Motor |
|                    | Depth Measured With  | Secchi   |                |

|                 |             |
|-----------------|-------------|
| Water Level:    | Normal      |
| Flow:           | NA          |
| Matrix:         | Fresh       |
| Tide Stage:     |             |
| High Tide:      |             |
| Low Tide:       |             |
| Photos:         | Yes         |
| Meter ID:       | Craw Daddy  |
| Depth Gauge ID: | depth_gauge |
|                 |             |
|                 |             |

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | DO (mg/L) | DO (%SAT) | Temp. (°C) | pH   | Secchi Disk (m) | Sp COND (µmhos/cm) | Salinity (PPT <sub>h</sub> ) |
|-----------|------|-----------------|------------------|-----------|-----------|------------|------|-----------------|--------------------|------------------------------|
| EST       | 1126 | 1.8             | 0.3              | 6.03      | 79.9      | 30         | 6.94 | 1.8             | 182                | 0.08                         |
|           |      |                 |                  |           |           |            |      |                 |                    |                              |
|           | 1132 |                 | 1.3              | 6.05      | 80        | 30         | 6.96 | <b>VOB (s)</b>  | 182                | 0.08                         |

Biological Samples Collected: None

SBIO Visit ID: 87364 HA ID: RPS ID: Macrophyte ID: 12495 LIMS Sample ID Entered Into The Macrophyte Module: 2418168

| Parameter Suite          | Parameter Methods (LIMS Test Codes)         |                               |                 | Preservation |                                                                                              |                              |  |
|--------------------------|---------------------------------------------|-------------------------------|-----------------|--------------|----------------------------------------------------------------------------------------------|------------------------------|--|
|                          | Type                                        | Lot#                          | Expiration Date | pH Check     |                                                                                              |                              |  |
| Microbiology             |                                             |                               |                 |              |                                                                                              |                              |  |
| Chlorophyll              | CHLSUITE-W                                  |                               |                 | ICE          |                                                                                              |                              |  |
| Physical/Aggregate       | ALKALINITY, TURBIDITY, W-F, W-TSS           |                               |                 | ICE          |                                                                                              |                              |  |
| Nutrients                | W-CL-IC, W-COLOR, W-SO4-IC, W-TDS           |                               |                 | ICE          |                                                                                              |                              |  |
| Filtered Nutrients       | W-PO4-F                                     | Field Filtered 0.45 µm Filter |                 | ICE          | Syringe Lot#:2298556; Filter Lot#:17769663                                                   |                              |  |
| Acid Preserved Nutrients | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP |                               |                 | ICE          | H2SO4*                                                                                       | SA3013020 1/25/24 H2SO4 pH<2 |  |
| Metals                   | W-ICPMS                                     | W-ICP                         | W-HARD          | ICE          | HNO3**                                                                                       | NA2230040 09/01/23 HNO3 pH<2 |  |
| Organics (LC)            | W-E8321-DI                                  | W-E8321-MS                    |                 |              | MCAA***                                                                                      |                              |  |
| Macroinvertebrates       |                                             |                               |                 |              |                                                                                              |                              |  |
| Organics (GC)            | W-PSNP-TQ                                   | W-TR-SQ-R                     |                 | Ice          | *2.0 ml of H2SO4 Used Unless Noted Otherwise<br>**2.0 ml of HNO3 Used Unless Noted Otherwise |                              |  |
| Molecular                |                                             |                               |                 |              |                                                                                              |                              |  |
| Periphyton               |                                             |                               |                 |              |                                                                                              |                              |  |
| Phytoplankton            |                                             |                               |                 |              |                                                                                              |                              |  |
| BOD                      |                                             |                               |                 |              |                                                                                              |                              |  |
| DOC                      |                                             |                               |                 |              | SyringeLot#                                                                                  | FilterLot#                   |  |
| Other(s)                 |                                             |                               |                 |              |                                                                                              |                              |  |
| Field Comments:          | 85 and cloudy                               |                               |                 |              |                                                                                              |                              |  |
| Comments on COC:         |                                             |                               |                 |              |                                                                                              |                              |  |
| Relinquish Date:         | 06/15/2023                                  | Signature:                    |                 |              |                                                                                              |                              |  |

LIMS EVENT ID: CEN-DIST-2023-06-16-01

WIN Import ID: 41769

Enter Field Parameters, Verify Station ID In LIMS DMT: KWM 7/21/23

QC Station ID, Field Parameters In LIMS DMT: VLS 7/25/23

Save Field Sheets on Network: KWM 7/26/23 (Initials/Date)

Migrate Data to WIN: KWM 7/26/23 (Initials/Date)

(Initials/Date)

(Initials/Date)

# DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

**SAMPLE ID:** \_\_\_\_\_ **MACROPHYTE ID:** \_\_\_\_\_ **LATITUDE:** 28.89192  
**COUNTY:** Volusia **STORET #:** GACE0114 **LONGITUDE:** -81.26496  
**DATE:** 6/15/23 **TIME:** 11:26 **SAMPLING AGENCY:** FDEP  
**SITE NAME:** Lake Biegson **WBID:** 2893G  
**FIELD ID/NAME:** Lake Biegson @ Center **LAKE SIZE:** \_\_\_\_\_ **RQ:** 2023-06-05-29

## WATERSHED / LAKESIDE FEATURES

| PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) :                                                                                       |                                                                                                           |               |                                                                                                    | LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) |                                                                                                            |                                                                     |                                                                                                                   |    |    |    |    |          |   |   |   |   |          |   |   |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----|----|----|----|----------|---|---|---|---|----------|---|---|---|
| Forest/Natural                                                                                                                                                                   | Silviculture                                                                                              | Field/Pasture | Agricultural                                                                                       | Residential                                    | Commercial                                                                                                 | Industrial                                                          | Other (Specify)                                                                                                   |    |    |    |    |          |   |   |   |   |          |   |   |   |
| <u>3</u>                                                                                                                                                                         |                                                                                                           |               |                                                                                                    | <u>97</u>                                      |                                                                                                            |                                                                     |                                                                                                                   |    |    |    |    |          |   |   |   |   |          |   |   |   |
| Local Watershed Erosion (select one) : <input checked="" type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy |                                                                                                           |               |                                                                                                    |                                                |                                                                                                            | Artificially Impounded                                              |                                                                                                                   |    |    |    |    |          |   |   |   |   |          |   |   |   |
| Local Watershed NPS Pollution : <input checked="" type="checkbox"/> No evidence <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy |                                                                                                           |               |                                                                                                    |                                                |                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                                                                                   |    |    |    |    |          |   |   |   |   |          |   |   |   |
| 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 |    |    |    |    |          |   |   |   |   |          |   |   |   |
| <u>8</u>                                                                                                                                                                         | 20                                                                                                        | 19            | 18                                                                                                 | <u>16</u>                                      | 15                                                                                                         | 14                                                                  | 13                                                                                                                | 12 | 11 | 10 | 9  | <u>8</u> | 7 | 6 | 5 | 4 | 3        | 2 | 1 |   |
| LAKESIDE ALTERATIONS                                                                                                                                                             | Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected)       |               | 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)                                                         |    |    |    |    |          |   |   |   |   |          |   |   |   |
| <u>4</u>                                                                                                                                                                         | 20                                                                                                        | 19            | 18                                                                                                 | 17                                             | 16                                                                                                         | 15                                                                  | 14                                                                                                                | 13 | 12 | 11 | 10 | 9        | 8 | 7 | 6 | 5 | <u>4</u> | 3 | 2 | 1 |
| 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                                                                               |    |    |    |    |          |   |   |   |   |          |   |   |   |
| <u>9</u>                                                                                                                                                                         | 20                                                                                                        | 19            | 18                                                                                                 | 17                                             | 16                                                                                                         | 15                                                                  | 14                                                                                                                | 13 | 12 | 11 | 10 | <u>9</u> | 8 | 7 | 6 | 5 | 4        | 3 | 2 | 1 |

## WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|--|
| <b>Water:</b><br>Nutrient Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Preserved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No pH<2 <input type="checkbox"/> No<br>Color Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Lot # <u>SP303020</u> Exp. Date: <u>1/25/24</u><br>Alkalinity Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Water Level <input type="checkbox"/> Low <input checked="" type="checkbox"/> Normal <input type="checkbox"/> High |  |  |  | <b>Water Odors:</b> <input checked="" type="checkbox"/> Normal<br><input type="checkbox"/> Sewage <input type="checkbox"/> Petroleum <input type="checkbox"/> Other _____                                                                                                                                                                                                                                                                                                                                                                                                                |  |                             |  |
| <b>Meter Readings:</b><br>Top: <u>0.3</u> <u>30</u> <u>6.94</u> <u>6.03</u> <u>79.9</u> <u>182</u> <u>0.08</u><br>Mid-Depth: _____<br>Bottom: <u>1.3</u> <u>30</u> <u>6.94</u> <u>6.05</u> <u>80</u> <u>182</u> <u>0.08</u><br>Meter ID: _____                                                                                                                                                                                                                                                                                                                                              |  |  |  | <b>Water Surface Oils:</b> <input checked="" type="checkbox"/> None<br><input type="checkbox"/> Sheen/Slick <input type="checkbox"/> Glob <input type="checkbox"/> Other _____                                                                                                                                                                                                                                                                                                                                                                                                           |  |                             |  |
| <b>Sediment Type:</b> (may check more than one)<br><input checked="" type="checkbox"/> Sandy <input type="checkbox"/> Organic fibrous (peaty, CPOM) <input type="checkbox"/> Vegetated<br><input type="checkbox"/> Sand/Silt <input type="checkbox"/> Organic smooth (muck) <input type="checkbox"/> Other (Specify): _____                                                                                                                                                                                                                                                                 |  |  |  | <b>Sediment Odors:</b><br><input checked="" type="checkbox"/> Normal <input type="checkbox"/> Other (Specify): _____<br><input type="checkbox"/> Anaerobic                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                             |  |
| <b>Biological Communities:</b><br>LVI Conducted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Phytoplankton Sample Taken? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Sample Preserved? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Lot #: _____ Exp Date: _____<br>Algal Bloom/Algal ID Sample Taken? Yes <input checked="" type="checkbox"/> No<br>Active Vegetation Mgmt? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know                                   |  |  |  | <b>Abundance:</b><br>Absent Rare Common Abundant<br>Periphyton <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Nuisance Plants <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Submersed Plants <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Exotic Apple Snails <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |  |                             |  |
| <b>Weather Conditions:</b> <u>80 and cloudy</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | <b>Additional Notes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                             |  |
| <b>SAMPLING TEAM:</b> <u>Leif Boman, Jessie Atchison</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  | <b>SIGNATURE:</b> <u>Jessie Atchison</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | <b>DATE:</b> <u>6/15/23</u> |  |

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

|                                                                                                                                                            |  |                                   |              |                                                                                       |    |                |                                                |  |   |   |   |    |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--------------|---------------------------------------------------------------------------------------|----|----------------|------------------------------------------------|--|---|---|---|----|----------------|
| Waterbody: <u>Lake Gleason</u>                                                                                                                             |  | County: <u>Volusia</u>            |              | Date: <u>6/15/23</u>                                                                  |    |                |                                                |  |   |   |   |    |                |
| Analyst: <u>Leif Borman &amp; Jessie Atchison</u>                                                                                                          |  | Signature: <u>Jessie Atchison</u> |              | STORET: <u>62CE0114</u>                                                               |    |                |                                                |  |   |   |   |    |                |
| Except where noted as "sp." species level identification required. *Genera that may require lab verification*<br>Plants in bold = FLEPPC invasive exotic.  |  |                                   |              | Lake units sampled (circle one group):<br>1, 4, 7, 10      2, 5, 8, 11<br>3, 6, 9, 12 |    |                |                                                |  |   |   |   |    |                |
| 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. |  |                                   |              |                                                                                       |    |                |                                                |  |   |   |   |    |                |
| SPECIES                                                                                                                                                    |  | 3                                 | 6            | 9                                                                                     | 12 | Collected? (✓) | SPECIES                                        |  | 3 | 6 | 9 | 12 | Collected? (✓) |
| Acer rubrum                                                                                                                                                |  | /                                 | /            |                                                                                       |    |                | Fraxinus                                       |  |   |   |   |    |                |
| <b>Alternanthera philoxeroides</b>                                                                                                                         |  |                                   |              |                                                                                       | /  |                | Fuirena scirpoidea                             |  |   |   | / |    |                |
| Amaranthus australis                                                                                                                                       |  |                                   |              |                                                                                       |    |                | Gordonia lasianthus                            |  |   |   |   |    |                |
| Andropogon sp.                                                                                                                                             |  |                                   |              |                                                                                       |    |                | Habenaria repens                               |  |   | / | / |    |                |
| Azolla filiculoides (A. caroliniana)                                                                                                                       |  |                                   |              |                                                                                       |    |                | Hibiscus coccineus                             |  |   |   |   |    |                |
| Baccharis sp.                                                                                                                                              |  |                                   |              |                                                                                       |    |                | Hibiscus grandiflorus                          |  |   |   |   |    |                |
| Bacopa caroliniana                                                                                                                                         |  |                                   | /            |                                                                                       |    |                | <b>Hydrilla verticillata</b>                   |  |   |   |   |    |                |
| Bacopa monnieri                                                                                                                                            |  |                                   | <del>X</del> |                                                                                       |    |                | Hydrocotyle sp.                                |  | / | / | / | /  |                |
| Bidens alba                                                                                                                                                |  |                                   |              |                                                                                       |    |                | <b>Hygrophila polysperma</b>                   |  |   |   |   |    |                |
| Bidens laevis                                                                                                                                              |  |                                   |              |                                                                                       |    |                | Hymenocallis sp.                               |  |   |   |   |    |                |
| Bidens mitis                                                                                                                                               |  |                                   |              |                                                                                       |    |                | *Hypericum fasciculatum                        |  |   |   |   |    |                |
| Boehmeria cylindrica                                                                                                                                       |  |                                   |              |                                                                                       |    |                | *Hypericum hypericoides                        |  |   |   |   |    |                |
| Brasenia schreberi                                                                                                                                         |  |                                   |              |                                                                                       |    |                | *Hypericum myrtifolium                         |  |   |   |   |    |                |
| Cabomba caroliniana                                                                                                                                        |  |                                   |              |                                                                                       |    |                | Ilex cassine                                   |  |   |   |   |    |                |
| Canna sp.                                                                                                                                                  |  |                                   |              |                                                                                       |    |                | <b>Ipomoea aquatica</b>                        |  |   |   |   |    |                |
| Centella asiatica                                                                                                                                          |  |                                   |              |                                                                                       |    |                | Ipomoea sagittata                              |  |   |   |   |    |                |
| Cephalanthus occidentalis                                                                                                                                  |  | /                                 | /            | /                                                                                     | C  |                | Itea virginica                                 |  |   |   |   |    |                |
| Ceratophyllum demersum                                                                                                                                     |  |                                   |              |                                                                                       |    |                | Juncus effusus                                 |  |   |   |   |    | <del>X</del>   |
| Chara sp.                                                                                                                                                  |  |                                   |              |                                                                                       |    |                | *Juncus marginatus                             |  | / |   |   |    |                |
| Cicuta maculata                                                                                                                                            |  |                                   |              |                                                                                       |    |                | *Juncus megacephalus                           |  |   |   |   |    |                |
| Cinnamomum camphora                                                                                                                                        |  |                                   |              |                                                                                       |    |                | Juncus repens                                  |  |   |   |   |    |                |
| Cladium jamaicense                                                                                                                                         |  |                                   |              |                                                                                       |    |                | *Juncus scirpoides                             |  |   |   |   |    |                |
| <b>Colocasia esculenta</b>                                                                                                                                 |  |                                   |              |                                                                                       |    |                | Lachnanthes caroliniana                        |  |   |   |   |    |                |
| *Commelina                                                                                                                                                 |  |                                   |              |                                                                                       |    |                | Leersia hexandra                               |  |   |   |   |    |                |
| Crinum americanum                                                                                                                                          |  |                                   |              |                                                                                       |    |                | <b>Landoltia punctata (Spirodela punctata)</b> |  |   |   |   |    |                |
| Cyperus articulatus                                                                                                                                        |  |                                   |              |                                                                                       |    |                | Lemna sp.                                      |  |   |   |   |    |                |
| Cyperus blepharoleptos (Scirpus cubensis)                                                                                                                  |  |                                   |              |                                                                                       |    |                | Leucothoe racemosa (Eubotrys racemosa)         |  |   |   |   |    |                |
| Cyperus haspan                                                                                                                                             |  |                                   |              |                                                                                       |    |                | Limnium spongia                                |  |   |   |   |    |                |
| <b>*Cyperus involucratus</b>                                                                                                                               |  |                                   |              |                                                                                       |    |                | <b>Limnophila sessiliflora</b>                 |  |   |   |   |    |                |
| *Cyperus lecontei                                                                                                                                          |  |                                   |              |                                                                                       |    |                | Liquidambar styraciflua                        |  |   |   |   |    |                |
| *Cyperus odoratus                                                                                                                                          |  |                                   | /            |                                                                                       |    |                | *Ludwigia arcuata                              |  |   |   |   |    |                |
| *Cyperus polystachyos                                                                                                                                      |  |                                   |              |                                                                                       |    |                | *Ludwigia grandiflora                          |  |   |   |   |    |                |
| *Cyperus surinamensis                                                                                                                                      |  |                                   |              |                                                                                       |    |                | *Ludwigia hexapetala                           |  |   |   |   |    |                |
| Cyrilla racemiflora                                                                                                                                        |  |                                   |              |                                                                                       |    |                | *Ludwigia leptocarpa                           |  |   | / | / |    |                |
| Decodon verticillatus                                                                                                                                      |  |                                   |              |                                                                                       |    |                | Ludwigia (native)                              |  |   |   |   |    |                |
| Diodia virginiana                                                                                                                                          |  |                                   |              |                                                                                       |    |                | *Ludwigia octovalvis                           |  |   | / | / |    |                |
| *Echinochloa crus-galli                                                                                                                                    |  |                                   |              |                                                                                       |    |                | <b>*Ludwigia peruviana</b>                     |  | / | / | / |    |                |
| *Echinochloa muricata                                                                                                                                      |  |                                   |              |                                                                                       |    |                | *Ludwigia repens                               |  |   |   |   |    |                |
| Echinochloa walteri                                                                                                                                        |  |                                   |              |                                                                                       |    |                | Ludwigia suffruticosa                          |  |   |   |   |    |                |
| Eclipta prostrata                                                                                                                                          |  |                                   |              |                                                                                       |    |                | Luziola fluitans (Hydrochloa carolinensis)     |  |   |   |   |    |                |
| <b>Eichhornia crassipes</b>                                                                                                                                |  |                                   | /            |                                                                                       |    |                | Magnolia virginiana                            |  | / | / |   |    |                |
| *Eleocharis                                                                                                                                                |  |                                   |              |                                                                                       |    |                | Mayaca fluviatilis                             |  |   |   |   |    |                |
| Eleocharis cellulosa                                                                                                                                       |  |                                   |              |                                                                                       |    |                | <b>Melaleuca quinquenervia</b>                 |  |   |   |   |    |                |
| *Eleocharis elongata                                                                                                                                       |  |                                   |              |                                                                                       |    |                | Micranthemum glomeratum                        |  |   |   |   |    |                |
| Eleocharis equisetoides                                                                                                                                    |  |                                   |              |                                                                                       |    |                | Micranthemum umbrosum                          |  |   |   |   |    |                |
| Eleocharis interstincta                                                                                                                                    |  |                                   |              |                                                                                       |    |                | Mikania scandens                               |  |   |   |   | /  |                |
| Eleocharis vivipara (submersed)                                                                                                                            |  |                                   | /            | /                                                                                     |    |                | <b>Mimosa pigra</b>                            |  |   |   |   |    |                |
| *Eriocaulon compressum                                                                                                                                     |  |                                   | <del>X</del> | <del>X</del>                                                                          |    |                | Myrica cerifera                                |  |   |   |   |    |                |
| *Eriocaulon decangulare                                                                                                                                    |  |                                   |              |                                                                                       |    |                |                                                |  |   |   |   |    |                |
| Eupatorium capillifolium                                                                                                                                   |  |                                   | /            |                                                                                       |    |                |                                                |  |   |   |   |    |                |



## FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

| Site: <u>Lake Gleason</u>                              |   |   |   |    | Date: <u>01/15/23</u> |                                                           |   |   |   |    |                   |
|--------------------------------------------------------|---|---|---|----|-----------------------|-----------------------------------------------------------|---|---|---|----|-------------------|
| SPECIES                                                | 3 | 6 | 9 | 12 | Collected?<br>(✓)     | SPECIES                                                   | 3 | 6 | 9 | 12 | Collected?<br>(✓) |
| <b>Myriophyllum aquaticum</b>                          |   |   |   |    |                       | <i>Salix caroliniana</i>                                  | / | / | / |    |                   |
| * <i>Myriophyllum heterophyllum</i>                    |   |   |   |    |                       | <b><i>Salvinia minima</i></b>                             |   |   |   | /  |                   |
| * <i>Myriophyllum laxum</i>                            |   |   |   |    |                       | <i>Sambucus canadensis</i>                                |   |   |   |    |                   |
| * <i>Myriophyllum pinnatum</i>                         |   |   |   |    |                       | <b><i>Sapium sebiferum</i></b>                            |   |   |   |    |                   |
| <b><i>Myriophyllum spicatum</i></b>                    |   |   |   |    |                       | <i>Saururus cernuus</i>                                   |   |   |   |    |                   |
| * <i>Najas filifolia</i>                               |   |   |   |    |                       | <b><i>Schinus terebinthifolius</i></b>                    |   |   |   |    |                   |
| * <i>Najas guadalupensis</i>                           | / | / | / |    |                       | * <i>Schoenoplectus californicus</i>                      |   |   |   |    |                   |
| * <i>Najas minor</i>                                   |   |   |   |    |                       | * <i>Schoenoplectus pungens</i>                           |   |   |   |    |                   |
| <i>Nelumbo lutea</i>                                   |   |   |   |    |                       | * <i>Schoenoplectus tabernaemontani</i>                   |   |   |   |    |                   |
| <i>Nitella</i> spp.                                    |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| <i>Nuphar</i> sp.                                      | / | / | / | /  |                       | <i>Scirpus cyperinus</i>                                  |   |   |   |    |                   |
| <i>Nymphaea mexicana</i>                               |   |   |   |    |                       | * <i>Sesbania</i>                                         |   |   |   |    |                   |
| <i>Nymphaea odorata</i>                                | D | D | D | C  |                       | <i>Solidago</i> sp.                                       |   |   |   |    |                   |
| <i>Nymphoides aquatica</i>                             |   |   |   |    |                       | <i>Sparganium americanum</i>                              |   |   |   | /  |                   |
| <i>Nyssa sylvatica</i> var. <i>biflora</i>             |   |   |   |    |                       | <i>Spartina bakeri</i>                                    |   |   |   |    |                   |
| <i>Orontium aquaticum</i>                              |   |   |   |    |                       | <i>Spirodela polyrhiza</i>                                |   |   |   |    |                   |
| <i>Osmunda cinnamomea</i>                              |   |   |   |    |                       | <i>Taxodium</i> sp.                                       | / |   |   | /  |                   |
| <i>Osmunda regalis</i>                                 |   |   |   |    |                       | <i>Thalia geniculata</i>                                  |   |   |   |    |                   |
| <i>Panicum hemitomon</i>                               |   |   |   |    |                       | <i>Thelypteris interrupta</i>                             |   |   |   |    |                   |
| <b><i>Panicum repens</i></b>                           | / | / | / | /  |                       | <i>Thelypteris palustris</i>                              |   |   |   |    |                   |
| <i>Paspalidium geminatum</i>                           |   |   |   |    |                       | <i>Triadenum virginicum</i>                               |   |   |   |    |                   |
| * <i>Paspalum repens</i>                               |   |   |   |    |                       | <i>Typha</i> sp.                                          |   | / | / | /  |                   |
| <i>Paspalum urvillei</i>                               |   |   |   |    |                       | <b><i>Urochloa mutica (Brachiaria mutica)</i></b>         |   |   |   |    |                   |
| <i>Peltandra</i> sp.                                   |   |   |   |    |                       | * <i>Utricularia gibba (U. biflora)</i>                   | / | / | / | /  |                   |
| <i>Persea</i> sp.                                      |   |   |   |    |                       | * <i>Utricularia foliosa</i>                              | / | / | / | /  |                   |
| * <i>Persicaria glabra (densiflora)</i>                |   |   | / | /  |                       | * <i>Utricularia inflata</i>                              |   |   |   |    |                   |
| <i>Persicaria hirsuta</i>                              |   |   |   |    |                       | * <i>Utricularia purpurea</i>                             |   |   |   |    |                   |
| * <i>Persicaria hydropiperoides</i>                    |   |   |   |    |                       | * <i>Utricularia radiata</i>                              |   |   |   |    |                   |
| * <i>Persicaria punctata</i>                           |   |   |   |    |                       | * <i>Utricularia resupinata</i>                           |   |   |   |    |                   |
| * <i>Persicaria</i>                                    |   |   |   |    |                       | <i>Vallisneria americana</i>                              |   |   | / |    |                   |
| <b><i>Pennisetum purpureum</i></b>                     |   |   |   |    |                       | <i>Vitis</i> sp.                                          |   |   |   |    |                   |
| <i>Phragmites australis</i>                            |   |   |   |    |                       | * <i>Websteria confervoides</i>                           |   |   |   |    |                   |
| <i>Pinus elliotii</i>                                  |   |   |   |    |                       | <b><i>Wedelia trilobata (Sphagneticola trilobata)</i></b> | / | / | / |    |                   |
| <b><i>Pistia stratiotes</i></b>                        |   |   |   |    |                       | <i>Wolffiella</i> spp.                                    |   |   |   |    |                   |
| <i>Pluchea</i> sp.                                     | / | / | / | /  |                       | <i>Woodwardia virginica</i>                               |   |   |   |    |                   |
| <i>Pontederia cordata</i>                              | / | / | / | /  |                       | <i>Xyris</i> sp.                                          |   |   |   |    |                   |
| * <i>Potamogeton diversifolius</i>                     |   |   |   |    |                       | <i>Zizania aquatica</i>                                   |   |   |   |    |                   |
| * <i>Potamogeton illinoensis</i>                       |   |   |   |    |                       | <i>Zizaniopsis milacea</i>                                |   |   |   |    |                   |
| * <i>Potamogeton pusillus</i>                          |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| * <i>Potamogeton pectinatus (Stuckenia pectinatus)</i> |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| <i>Proserpinaca pectinata</i>                          |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| * <i>Rhexia</i>                                        |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| * <i>Rhynchospora corniculata</i>                      |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| * <i>Rhynchospora inundata</i>                         |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| <i>Rhynchospora nitens</i>                             |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| <i>Ricciocarpus natans</i>                             |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| <i>Sabal palmetto</i>                                  | / | / | / | /  |                       |                                                           |   |   |   |    |                   |
| <i>Sacciolepis striata</i>                             |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| * <i>Sagittaria filiformis</i>                         |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| * <i>Sagittaria graminea</i>                           |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| * <i>Sagittaria isoetiformis</i>                       |   |   |   |    |                       |                                                           |   |   |   |    |                   |
| <i>Sagittaria lancifolia</i>                           | / | / | / | /  |                       |                                                           |   |   |   |    |                   |
| <i>Sagittaria latifolia</i>                            |   |   |   |    |                       |                                                           |   |   |   |    |                   |

28.898521 - 81.266744

29.89586 - 81.264633

28.894229 - 81.269241

28.89823 - 81.266894

28.89499 - 81.268474

28.892603 - 81.268932

28.893728 - 81.26535

28.890831 - 81.266767

28.890774 - 81.262713

28.888959 - 81.265489

28.890886 - 81.270983

28.867593 - 81.264054

0 250 500 750 Feet

WBID Run 49  
Aerial Imagery 2011

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