



## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## REFERENCE LAKES Field Sheet

July 2022

Meter  
Passed End  
of Day CCV

Yes No

|                          |                             |         |         |      |              |           |               |           |
|--------------------------|-----------------------------|---------|---------|------|--------------|-----------|---------------|-----------|
| WIN Station Name:        | Brick Lake - Center of Lake |         |         |      | Sample Date: | 9/26/2023 |               |           |
| WIN / Field ID:          | 26010040                    | ORG ID: | 21FLCEN | ENR: |              |           | Latitude:     | 28.16817  |
| County:                  | Osceola                     | WBID:   | 3177A   | LAKE |              |           | Longitude:    | -81.19472 |
| Receiving Body of Water: | -                           |         |         |      |              | RQ-       | 2023-09-25-18 |           |

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|-----------------|-------------------|---------------|--------------|--------------------|
| Leif Boman            |                 | x                 |               | x            | x                  |
| Victoria Schwartz     | x               |                   | x             |              |                    |
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |

| Sampling Equipment   |                  |                      |                |
|----------------------|------------------|----------------------|----------------|
| x                    | Sample Container |                      | Carboy         |
|                      | Dipper           |                      | Van Dorn       |
|                      | Syringe          |                      | Pole           |
| Syringe Lot# 2327923 |                  | 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 (PPTth) |
|-----------|------|-----------------|------------------|-----------|-----------|------------|------|-----------------|--------------------|------------------|
| EST       | 1213 | 6.4             | 0.3              | 6.64      | 86.7      | 29.2       | 4.47 | 0.4             | 133                | 0.06             |
|           | 1219 |                 | 2                | 5.79      | 73.6      | 27.8       | 4.4  |                 | 132.6              | 0.06             |
|           | 1221 |                 | 5.9              | 4.12      | 52.2      | 27.4       | 4.31 |                 | 131.9              | 0.06             |

## Biological Samples Collected:

LVI

SBIO Visit ID: 88053

HA ID:

RPS ID:

Macrophyte ID: 12599

LIMS Sample ID  
In The Macrophyte Module: 2440597

| 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#:2327923; Filter Lot#:17769663 |            |            |
| Acid Preserved Nutrients | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                   |                               |                 | ICE          | H2SO4*                                                                                       | SA3193140                                  | 07/31/2024 | H2SO4 pH<2 |
| Metals                   | W-ICPMS                                                                                       | W-ICP                         | W-HARD          | ICE          | HNO3**                                                                                       | NA3123030                                  | 05/10/2024 | 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            | DTY-QN-C                                                                                      | PKD-QN-BV                     |                 | Ice          |                                                                                              |                                            |            |            |
| BOD                      |                                                                                               |                               |                 |              |                                                                                              |                                            |            |            |
| DOC                      |                                                                                               |                               |                 |              |                                                                                              |                                            |            |            |
| Other(s)                 |                                                                                               |                               |                 |              |                                                                                              |                                            |            |            |
| Field Comments:          | Overcast and hot                                                                              |                               |                 |              |                                                                                              |                                            |            |            |
| Comments on COC:         | Please log in PKD-QN-BV & DTY-QN-C under a separate event with priority 12, Bottle Group - B. |                               |                 |              |                                                                                              |                                            |            |            |
| Relinquish Date:         | 09/26/2023                                                                                    | Signature:                    |                 |              |                                                                                              |                                            |            |            |

LIMS EVENT ID: CEN-DIST-2023-09-27-01

WIN Import ID: 44066

Enter Field Parameters, Verify Station ID In LIMS DMT: KWM 11/3/23

QC Station ID, Field Parameters In LIMS DMT: VLS 11/8/23

Save Field Sheets on Network: KWM 12/1/23 (Initials/Date)

Migrate Data to WIN: KWM 12/1/23 (Initials/Date)

(Initials/Date)

(Initials/Date)

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

Ref Lake

SAMPLE ID: \_\_\_\_\_ MACROPHYTE ID: \_\_\_\_\_ LATITUDE: 28.14817  
COUNTY: Osceola STORET #: 26010040 LONGITUDE: -81.19472  
DATE: 9/26/23 TIME: 12:13 SAMPLING AGENCY: 21FLCEN  
SITE NAME: Brick Lake - Center of Lake WBID: 3177A  
FIELD ID/NAME: 26010040 LAKE SIZE: \_\_\_\_\_ RQ: 2023-09-25-18

## 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) |                                                                                                            |    |                                                                                                       |                                                                                                                   |    |   |   |   |   |   |   |   |   |   |
| 90                                                                                                                                                                              |              |                                                                                                           | 10           |             |                                                                                                    |            |                 |                                                                                                            |    |                                                                                                       |                                                                                                                   |    |   |   |   |   |   |   |   |   |   |
| Local Watershed Erosion (select one): <input checked="" type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy |              |                                                                                                           |              |             |                                                                                                    |            |                 |                                                                                                            |    | Artificially Impounded <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                                                                                   |    |   |   |   |   |   |   |   |   |   |
| Local Watershed NPS Pollution: <input checked="" type="checkbox"/> No evidence <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy |              |                                                                                                           |              |             |                                                                                                    |            |                 |                                                                                                            |    | Land Use Source & Year:                                                                               |                                                                                                                   |    |   |   |   |   |   |   |   |   |   |
| 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                                                                                                                                                                              |              | 20                                                                                                        | 19           | 18          | 17                                                                                                 | 16         | 15              | 14                                                                                                         | 13 | 12                                                                                                    | 11                                                                                                                | 10 | 9 | 8 | 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)                                                         |    |   |   |   |   |   |   |   |   |   |
| 20                                                                                                                                                                              |              | 20                                                                                                        | 19           | 18          | 17                                                                                                 | 16         | 15              | 14                                                                                                         | 13 | 12                                                                                                    | 11                                                                                                                | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 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                                                                               |    |   |   |   |   |   |   |   |   |   |
| 19                                                                                                                                                                              |              | 20                                                                                                        | 19           | 18          | 17                                                                                                 | 16         | 15              | 14                                                                                                         | 13 | 12                                                                                                    | 11                                                                                                                | 10 | 9 | 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 # _____ Exp. Date: _____<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: 0.3 29.2 4.47 6.64 86.7 133 0.06<br>Mid-Depth: 2 27.8 4.4 5.79 73.6 132.6 0.06<br>Bottom: 5.9 27.4 4.31 4.12 52.2 131.9 0.06                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  | <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>Meter ID:</b> <u>Craw Daddy</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  | <b>Clarity:</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Opaque <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid<br><b>Color:</b> <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Tannic <input type="checkbox"/> Green                                                                                                                                                                                                                                                    |  |  |  |                      |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |
| <b>Sediment Type:</b> (may check more than one)<br><input 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>SECCHI (M):</b> 0.4 <b>Total Station Depth (M):</b> 6.4<br><b>VOB:</b> <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |                      |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |
| <b>Sediment Odors:</b><br><input 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 checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Don't Know |  |  |  |                      |  |  |  | <b>Abundance:</b><br>Absent Rare Common Abundant<br>Periphyton <input checked="" type="checkbox"/> <input 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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |  |  |  |  |  |  |
| <b>Additional Notes:</b><br>Large Taxodium swamps around lake. Non-woody dominants around lake were Panicum hemitomon (sec. 3/4/12) & Sacciolepis striata / Ludwigia pennsylvanica (sec. 9)                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |                      |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |
| <b>Weather Conditions:</b> Overcast / hot.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |                      |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |
| <b>SAMPLING TEAM:</b> Left Roman / Victoria Schwatz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  | <b>SIGNATURE:</b> [Signature]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  | <b>DATE:</b> 9/26/23 |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |

Ref Lake

| Waterbody: <u>Brick Lake</u>                                                                                                                               |   | County: <u>Osceola</u>        |   | Date: <u>9/26/23</u>                                                                  |                |                                                |   |   |   |    |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------|---|---------------------------------------------------------------------------------------|----------------|------------------------------------------------|---|---|---|----|----------------|
| Analyst: <u>Leif Boman + Victoria Schuch</u>                                                                                                               |   | Signature: <u>[Signature]</u> |   | STORET: <u>26010040</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 sp.                                   |   |   |   |    |                |
| <b>Alternanthera philoxeroides</b>                                                                                                                         | / | /                             | / | /                                                                                     |                | Fuirena scirpoidea                             |   |   |   |    |                |
| Amaranthus australis                                                                                                                                       |   |                               |   |                                                                                       |                | Gordonia lasianthus                            |   |   |   |    |                |
| Andropogon sp.                                                                                                                                             |   |                               |   |                                                                                       |                | Habenaria repens                               |   |   |   |    |                |
| Azolla filiculoides                                                                                                                                        |   |                               |   |                                                                                       |                | Hibiscus coccineus                             |   |   |   |    |                |
| Baccharis sp.                                                                                                                                              |   |                               |   | /                                                                                     |                | Hibiscus grandiflorus                          | / |   |   |    |                |
| Bacopa caroliniana                                                                                                                                         |   |                               |   |                                                                                       |                | <b>Hydrilla verticillata</b>                   |   |   |   |    |                |
| Bacopa monnieri                                                                                                                                            |   |                               |   |                                                                                       |                | 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                                                                                                                                  |   |                               |   |                                                                                       |                | Itea virginica                                 |   |   |   |    |                |
| Ceratophyllum demersum                                                                                                                                     |   |                               |   |                                                                                       |                | Juncus effusus                                 |   |   |   |    |                |
| Chara sp.                                                                                                                                                  |   |                               |   |                                                                                       |                | *Juncus marginatus                             |   |   |   |    |                |
| Cicuta maculata                                                                                                                                            |   |                               |   |                                                                                       |                | *Juncus megacephalus                           |   |   |   |    |                |
| Cinnamomum camphora                                                                                                                                        |   |                               |   |                                                                                       |                | Juncus repens                                  |   |   |   |    |                |
| Cladium jamaicense                                                                                                                                         |   |                               |   | /                                                                                     |                | *Juncus scirpoides                             |   |   |   |    |                |
| <b>Colocasia esculenta</b>                                                                                                                                 |   |                               |   | /                                                                                     |                | Kosteletzkya pentacarpos                       |   |   |   |    |                |
| *Commelina                                                                                                                                                 |   |                               |   |                                                                                       |                | Lachnanthes caroliniana                        |   |   |   |    |                |
| Crinum americanum                                                                                                                                          |   |                               |   |                                                                                       |                | Leersia hexandra                               |   |   |   |    |                |
| Cyperus articulatus                                                                                                                                        |   |                               |   |                                                                                       |                | <b>Landoltia punctata (Spirodela punctata)</b> |   |   |   |    |                |
| Cyperus haspan                                                                                                                                             |   |                               |   |                                                                                       |                | Lemna sp.                                      |   |   |   |    |                |
| *Cyperus involucratus                                                                                                                                      |   |                               |   |                                                                                       |                | Leucothoe racemosa (Eubotrys racemosa)         |   |   |   |    |                |
| *Cyperus lecontei                                                                                                                                          |   |                               |   |                                                                                       |                | Limnium spongia                                |   |   |   |    |                |
| *Cyperus odoratus                                                                                                                                          |   |                               |   | /                                                                                     |                | <b>Limnophila sessiliflora</b>                 |   |   |   |    |                |
| *Cyperus polystachyos                                                                                                                                      |   |                               |   | /                                                                                     |                | Liquidambar styraciflua                        |   |   |   |    |                |
| *Cyperus surinamensis                                                                                                                                      |   |                               |   |                                                                                       |                | *Ludwigia arcuata                              |   |   |   |    |                |
| Cyrilla racemiflora                                                                                                                                        |   |                               |   |                                                                                       |                | *Ludwigia grandiflora                          |   |   |   |    |                |
| Decodon verticillatus                                                                                                                                      |   |                               |   |                                                                                       |                | *Ludwigia hexapetala                           | / | / | / |    |                |
| Diodia virginiana                                                                                                                                          |   |                               |   |                                                                                       |                | *Ludwigia leptocarpa                           | / | / | / |    |                |
| *Echinochloa crus-galli                                                                                                                                    |   |                               |   |                                                                                       |                | Ludwigia (native)                              |   |   |   |    |                |
| *Echinochloa muricata                                                                                                                                      |   |                               |   |                                                                                       |                | *Ludwigia octovalvis                           | / | / | / |    |                |
| Echinochloa walteri                                                                                                                                        |   |                               |   |                                                                                       |                | <b>*Ludwigia peruviana</b>                     | / | / | / |    |                |
| Eclipta prostrata                                                                                                                                          |   |                               |   |                                                                                       |                | *Ludwigia repens                               |   |   |   |    |                |
| <b>Eichhornia crassipes</b>                                                                                                                                |   |                               |   |                                                                                       |                | Ludwigia suffruticosa                          | / | / | / |    |                |
| *Eleocharis                                                                                                                                                |   |                               |   |                                                                                       |                | Luziola fluitans                               | / | / | / |    |                |
| Eleocharis cellulosa                                                                                                                                       |   |                               |   |                                                                                       |                | Magnolia virginiana                            | / | / | / |    |                |
| *Eleocharis elongata                                                                                                                                       |   |                               |   |                                                                                       |                | Mayaca fluviatilis                             |   |   |   |    |                |
| Eleocharis equisetoides                                                                                                                                    |   |                               |   |                                                                                       |                | <b>Melaleuca quinquenervia</b>                 |   |   |   |    |                |
| Eleocharis interstincta                                                                                                                                    |   |                               |   |                                                                                       |                | <b>Melaleuca viminalis</b>                     |   |   |   |    |                |
| Eleocharis submersed viviparous                                                                                                                            | / | /                             | / | /                                                                                     |                | Micranthemum glomeratum                        |   |   |   |    |                |
| *Eriocaulon compressum                                                                                                                                     |   |                               |   |                                                                                       |                | Micranthemum umbros                            |   |   |   |    |                |
| *Eriocaulon decangulare                                                                                                                                    |   |                               |   |                                                                                       |                | Mikania scandens                               |   |   |   |    |                |
| Eupatorium capillifolium                                                                                                                                   | / | /                             | / | /                                                                                     |                | Myrica cerifera (Morella cerifera)             | / | / | / |    |                |

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

| Site: <u>Brick Lake</u>                          |   |   |   |      | Date: <u>9/26/23</u> |                                                    |   |   |   |    |                |
|--------------------------------------------------|---|---|---|------|----------------------|----------------------------------------------------|---|---|---|----|----------------|
| SPECIES                                          | 3 | 6 | 9 | 12   | Collected? (✓)       | SPECIES                                            | 3 | 6 | 9 | 12 | Collected? (✓) |
| <b>Myriophyllum aquaticum</b>                    |   |   |   |      |                      | <b>Salix caroliniana</b>                           |   |   |   |    |                |
| *Myriophyllum heterophyllum                      |   |   |   |      |                      | <b>Salvinia minima</b>                             | / | / | / | /  |                |
| *Myriophyllum laxum                              |   |   |   |      |                      | Sambucus canadensis                                |   |   |   |    |                |
| *Myriophyllum pinnatum                           |   |   |   |      |                      | <b>Sapium sebiferum</b> (Triadica sebifera)        |   |   |   |    |                |
| <b>Myriophyllum spicatum</b>                     |   |   |   |      |                      | Saururus cernuus                                   |   |   |   |    |                |
| *Najas filifolia                                 |   |   |   |      |                      | <b>Schinus terebinthifolia</b>                     |   |   |   |    |                |
| *Najas guadalupensis                             |   |   |   |      |                      | *Schoenoplectus californicus                       |   |   |   |    |                |
| Nelumbo lutea                                    |   |   |   |      |                      | *Schoenoplectus pungens                            |   |   |   |    |                |
| Nitella spp.                                     |   |   |   |      |                      | *Schoenoplectus tabernaemontani                    |   |   |   |    |                |
| Nuphar advena                                    | / | / | / | /    |                      | Scirpus cubensis (Cyperus blepharoleptos)          | / |   | / |    |                |
| Nymphaea mexicana                                |   |   |   |      |                      | Scirpus cyperinus                                  |   |   |   |    |                |
| Nymphaea odorata                                 |   |   |   |      |                      | *Sesbania                                          |   |   |   |    |                |
| Nymphoides aquatica                              |   |   |   |      |                      | Solidago sp.                                       |   |   |   |    |                |
| Nyssa sylvatica var. biflora                     |   | / |   | /    |                      | Sparganium americanum                              |   |   |   |    |                |
| Orontium aquaticum                               |   |   |   |      |                      | Spartina bakeri                                    |   |   |   |    |                |
| Osmunda cinnamomea (Osmundastrum cinnamomeum)    |   |   |   |      |                      | Spirodela polyrhiza                                | / | / | / | /  |                |
| Osmunda regalis                                  | / | / | / | /    | (JS)                 | Taxodium sp. *                                     | / | / | / | /  |                |
| Panicum hemitomon                                | / | / | / | /    |                      | Thalia geniculata                                  |   |   |   |    |                |
| <b>Panicum repens</b>                            | / | / | / | /    |                      | Thelypteris interrupta                             |   |   |   |    |                |
| Paspalidium geminatum                            |   |   |   | /    |                      | Thelypteris palustris                              |   |   |   |    |                |
| *Paspalum repens                                 |   |   |   |      |                      | Triadenum virginicum (Hypericum virginicum)        |   |   |   |    |                |
| Paspalum urvillei                                |   |   |   |      |                      | Typha sp.                                          | / |   | / | /  |                |
| Peltandra sp.                                    |   |   |   |      |                      | <b>Urochloa mutica</b>                             |   |   |   |    |                |
| Persea sp.                                       |   |   |   |      |                      | *Utricularia foliosa                               |   |   |   |    |                |
| *Persicaria glabra (densiflora)                  |   |   |   |      |                      | *Utricularia floridana                             |   |   |   |    |                |
| Persicaria hirsuta                               |   |   |   |      |                      | *Utricularia gibba                                 |   |   |   |    |                |
| *Persicaria hydropiperoides                      |   |   |   |      |                      | *Utricularia inflata                               |   |   |   |    |                |
| *Persicaria punctata                             |   |   |   |      |                      | *Utricularia purpurea                              |   |   |   |    |                |
| *Persicaria <u>punctata</u>                      | / |   |   | /    | (JS)                 | *Utricularia radiata                               |   |   |   |    |                |
| <b>Pennisetum purpureum</b> (Cenchrus purpureus) |   |   |   |      |                      | *Utricularia resupinata                            |   |   |   |    |                |
| Phragmites australis (P. berlandieri)            |   |   |   |      |                      | Vallisneria americana                              |   |   |   |    |                |
| Pinus elliotii                                   |   |   |   |      |                      | *Websteria confervoides (Eleocharis confervoides)  |   |   |   |    |                |
| <b>Pistia stratiotes</b>                         |   |   |   |      |                      | <b>Wedelia trilobata</b> (Sphagnetocola trilobata) |   |   |   |    |                |
| Pluchea sp.                                      |   |   |   |      |                      | Wolffiella sp.                                     |   |   |   |    |                |
| Pontederia cordata                               | / | / | / | /    |                      | Woodwardia virginica                               |   |   |   |    |                |
| *Potamogeton diversifolius                       |   |   |   |      |                      | Xyris sp.                                          |   |   |   |    |                |
| *Potamogeton illinoensis                         |   |   |   |      |                      | Zizania aquatica                                   |   |   |   |    |                |
| *Potamogeton pusillus                            |   |   |   |      |                      | Zizaniopsis miliacea                               |   |   |   |    |                |
| *Potamogeton pectinatus (Stuckenia pectinatus)   |   |   |   |      |                      | <u>Blechnum serrulatum (fern)</u>                  | / | / | / | /  |                |
| Proserpinaca pectinata                           |   |   |   |      |                      | <u>Hat phs → Eriocaulon (JS)</u>                   | / |   |   |    |                |
| *Rhexia                                          |   |   |   |      |                      | <u>Syngonanthus flavidulus</u>                     | / |   |   |    |                |
| *Rhynchospora corniculata                        |   |   |   |      |                      | <u>Hypericum sp. → mutilum</u>                     | / |   |   |    |                |
| *Rhynchospora inundata                           |   |   |   |      |                      | <u>Athena fern (pic) → Osmunda regalis</u>         |   |   |   | /  |                |
| Rhynchospora nitens                              |   |   |   |      |                      | <u>*Taxodium → ? (JS)</u>                          |   |   |   |    |                |
| Ricciocarpos natans                              |   |   |   |      |                      |                                                    |   |   |   |    |                |
| Sabal palmetto                                   |   |   |   | (JS) |                      |                                                    |   |   |   |    |                |
| Sacciolepis striata                              | / | / | / | /    |                      |                                                    |   |   |   |    |                |
| *Sagittaria filiformis                           |   |   |   |      |                      |                                                    |   |   |   |    |                |
| *Sagittaria graminea                             |   |   |   |      |                      |                                                    |   |   |   |    |                |
| *Sagittaria isoetiformis                         |   |   |   |      |                      |                                                    |   |   |   |    |                |
| Sagittaria lancifolia                            | / | / | / | /    |                      |                                                    |   |   |   |    |                |
| Sagittaria latifolia                             |   |   |   |      |                      |                                                    |   |   |   |    |                |

