



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
PHYSICAL-CHEMICAL CHARACTERIZATION FIELD FORM

STORET Station Name: Unnamed Lake ANF (Use label if available) Visit ID: 80053 Survey/Project: REF LAKES
County: Leon

STORET Station ID: 21071 WBID: 889 Latitude: 30.32071 (Decimal Degrees)

Date: 7/18/19 (mm/dd/yyyy) Time: 1420 (EST CST) RQ: 2019-07-15-41 Longitude: -84.38254 (Decimal Degrees)

Receiving Waters: _____ ORG Code/Agency ID: 21FLWQSP

Sample Depth (m)	pH	Temp. (C°)	DO (mg/L)	DO (%SAT)	Sp COND (µmhos/cm)	Salinity (ppt)	Secchi Disk (m)	Total Depth (m)	Data Qualified (Y/N)
Top	0.2	4.58	32.9	5.77	80.2	17.1			
Mid	1.0 1.6	4.50	31.1	4.41	53.8	17.4	2.0	2.0	
Bottom	2.0	4.52	31.0	3.53	48.2	17.4	5 (vob)		

Meter ID# V51 Photos: Yes / No Tide: High / Low / Ebb

Sampling Team Members

Jay Jackson
NIA Wellendorf

Sampling Equipment

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

Equipment ID _____

Collection Method

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

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

System Type: Stream ___ Lake Wetland ___ Estuary ___ Other ___

Biological Samples Collected: None HA SCI LVS RPS LVI Other _____

Hydrologic Modification (per FT 3101): 1-2 (Best) ___ 3-4 (Slight) ___ 4-5 (Moderate) ___ 7-8 (Poor) ___ 9-10 (Very Poor) ___

Canopy Cover: Open (≤ 10%) ___ Lightly Shaded (11-45%) ___ Moderately Shaded (46-80%) ___ Heavily Shaded (>80%) ___

Parameter Suite	Parameter Methods (check, circle or write in)	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ NH ₃ ☒ NO ₂ NO ₃ ☒ TRN / TOC ☒ TP ☐ PO ₄ ☐ Field Filtered 0.45 µm Filter	☒ Ice ☒ H ₂ SO ₄	101232	10/13/19	☒ <2
Metals	☒ Cu ☒ Pb ☒ Zn	☒ Ice ☒ HNO ₃	101246	8/20/20	☒ <2
Chlorophyll	☒ CHLOROPHYLL	☒ Ice	Place Preservative Label(s) Here (if available)		
Physical/Aggregate	☒ Alkalinity ☒ TSS / TURBIDITY ☒ COLOR ☒ SO ₄ / TDS	☒ Ice			
Macroinvertebrates	☐ SCI OTHER: _____	☐ Formalin			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Periphyton	☒ ALGAL-ID in bag OTHER: _____	☒ Ice			
Other	Phytoplankton	☒ Ice ☐ Other			

Notes & Observations; (weather, watershed disturbance, erosion, sediment of water odors, etc.)

Hot, sunny, 95° MyACA fluoridation @ boat put in
Did not collect arthro-P. faulty equip.

Print Name: Nicole Wellendorf, Jay Jackson Signature: Nicole Wellendorf Date: 7/18/19

Field Sheets Scanned/Saved: 8/5/2019 SN (Initials/Date)

Field Parameters Entered into SBIO: 8/5/2019 SN (Initials/Date)

Date Migrated to STORET: _____ (Initials/Date)

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: <u>Unnamed lake in ANF</u>	County: <u>Leon</u>	Date: <u>7/18/19</u>
Analyst: <u>N. Wellendorf, J. Jackson</u>	Signature: <u>N. Wellendorf</u>	STORET: <u>21071</u>
Except where noted as "sp." species level identification required. *Genera that may require lab verification* Plants in bold = FLEPPC invasive exotic. It is important to note dominant or co-dominant taxa (by areal extent) for each unit. Use "D" to denote dominant taxon, or "C" for the 2 co-dominant taxa.		Lake units sampled (circle one group): 1, 4, 7, 10 2, 5, 8, 11 <u>3, 6, 9, 12</u>
SPECIES	36912	Collected? (✓)
Acer rubrum		
Alternanthera philoxeroides		
Andropogon sp.		
Azolla filiculoides (A. caroliniana)		
Baccharis sp.		
Bacopa caroliniana		
Bacopa monnieri		
Bidens laevis		
Bidens mitis		
Blechnum serrulatum		
Boehmeria cylindrica		
Brasenia schreberi	<u>NO</u>	
Cabomba caroliniana		
Casuarina equisetifolia		
Centella asiatica		
Cephalanthus occidentalis	✓	
Ceratophyllum demersum		
Chara sp.		
Cladium jamaicense		
Cliftonia monophylla		
Colocasia esculenta		
*Commelina		
Crinum americanum		
*Cyperus alternifolius (C. involucratus)		
Cyperus articulatus		
Cyperus haspan		
*Cyperus lecontei		
*Cyperus polystachyos		
*Cyperus odoratus		
*Cyperus surinamensis		
Cyrtilla racemiflora	✓	
Decodon verticillatus		
Diodia virginiana		
*Echinochloa crus-galli		
*Echinochloa muricatum		
Echinochloa walteri		
Eclipta prostrata (E. alba)		
Egeria densa		
Eichhornia crassipes		
*Eleocharis baldwinii		
*Eleocharis <u>elongata</u>	CC	
Eleocharis cellulosa		
Eleocharis equisetoides		
Eleocharis interstincta		
*Eriocaulon <u>compressum</u> sp	✓	
*Eriocaulon decangulare		
Eupatorium capillifolium		
*Fuirena		
Fuirena scirpoidea		
Gordonia lasianthus		
Habenaria repens		
Hydrilla verticillata		
Hydrocotyle sp.		
Hygrophila polysperma		
*Hypericum fasciculatum	✓	
*Hypericum hypericoides	✓	
*Hypericum myrtifolium	✓	
Ilex cassine		
Ipomoea aquatica		
Ipomoea sagittata		
Itea virginica		
Juncus effusus		
*Juncus marginatus		
*Juncus megacephalus		
Juncus repens		
*Juncus scirpoides		
Lachnanthes caroliniana		
Leersia hexandra		
Landoltia punctata (Spirodela punctata)		
Lemna sp.		
Leucothoe racemosa (Eubotrys racemosa)		
Limnium spongia		
Limnophila sessiliflora		
Liquidambar styraciflua		
*Ludwigia arcuata		
*Ludwigia leptocarpa		
*Ludwigia linearis		
*Ludwigia octovalvis		
*Ludwigia peruviana		
*Ludwigia repens		
*Ludwigia		
Luziola fluitans (Hydrochloa carolinensis)	✓	✓
Lyonia lucida		
Magnolia virginiana		
Mayaca fluviatilis		
Melaleuca quinquenervia		
Micranthemum glomeratum		
Micranthemum umbrosum		
Mikania scandens		
Mimosa pigra		
Myrica cerifera		

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site: _____ Date: _____

Unnamed Lake 7/18/19 P. 2

SPECIES	3	6	9	12	Collected? (✓)	SPECIES	3	6	9	12	Collected? (✓)
Myriophyllum aquaticum						Salix caroliniana					
*Myriophyllum heterophyllum						Salvinia minima					
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						Sapium sebiferum					
Myriophyllum spicatum						Saururus cernuus					
*Najas filifolia						Schinus terebinthifolius					
*Najas guadalupensis						*Schoenoplectus californicus					
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea						*Schoenoplectus tabernaemontani (Scirpus validus)					
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)					
Nuphar sp.	✓	✓	✓	✓		Scirpus cyperinus					
Nymphaea odorata						*Sesbania					
Nymphoides aquatica						Solidago sp.					
Nyssa sylvatica var. biflora						Sparganium americanum					
Orontium aquaticum						Spartina bakeri					
Osmunda cinnamomea						Spirodela polyrhiza					
Osmunda regalis						Taxodium sp.					
Panicum hemitomon						Thalia geniculata					
Panicum repens						Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum					
*Paspalum repens						Typha sp.					
Paspalum urvillei						Urochloa mutica (Brachiaria mutica)					
Peltandra sp.						*Utricularia gibba (U. biflora)					
Persea sp.						*Utricularia floridana					
Pennisetum purpureum						*Utricularia foliosa					
Phragmites australis						*Utricularia inflata					
Pinus elliotii						*Utricularia purpurea					
Pistia stratioides						*Utricularia cornuta					
Pluchea sp.						*Utricularia radiata					
*Polygonum glabrum (densiflorum)						Vallisneria americana					
*Polygonum hydropiperoides						*Websteria confervoides					
*Polygonum punctatum						Wedelia trilobata (Sphagneticola trilobata)					
*Polygonum						Wolffiella spp.					
Pontederia cordata						Woodwardia virginica					
*Potamogeton diversifolius						Xyris sp.	✓	✓			
*Potamogeton illinoensis						Zizania aquatica					
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuckenia pectinatus)											
Proserpinaca pectinata											
*Rhexia											
*Rhynchospora cernuata inundata	✓	✓	✓	✓	5N						
*Rhynchospora inundata											
Rhynchospora tracyi											
Ricciocarpus natans											
Sabal palmetto											
Sacciolepis striata											
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia											
Sagittaria latifolia											

Unnamed Lake