



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NG PROGRAM FIELD SHEET

WIN / Field ID:



G3NE0001

January 2018

Data Qualified?

Yes / No

Date: 05/08/2018
(mm/dd/yyyy)

Moon Lake Center

WBID: 2706

Latitude: 29.6802737

County: Alachua

ORG ID: 21FLA

Longitude: 81.4061076

Receiving Body of Water:

RQ-2018-04-30-27

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
A. KALMBACH					X	X			
P. O'CONNOR						X	X	X	X

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with 4 SE 43		
Equipment ID OR46 H44		

Collection Method		
☐ Wading	☒ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

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

Meter ID# 4 SE #5

Matrix: Fresh Marine / DI

Photos: Yes / No

Flow: No Flow / Interstitial / Flowing NA

Tide: Rising/ Falling/ Slack/ NA

Tide Times: High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (umhos/cm)	Temp. (C°)
EST	1200	6.0	0.3	1.8	5.69	69	6.86	0.07	144	25.7
CEN			2.6		0.45	4.8	6.60	0.07	144	
			5.5		0.51	4.9	6.71	0.07	145	13.4

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	☐ Ice ☒ H2SO4	SA7341020	12-07-18	<2
Metals	☒ W-ICPMS ☒ W-ICP	☐ Ice ☐ HNO3			<2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 um Filter	☒ Ice	R7EA12512		
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Notes: * End of cable
76.0m

WIN / Field ID:



G3NE0001

Moon Lake Center

Signature: [Signature]

Date: 5-8-2018

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT: R7 6/27/18

Scan/Save Field Sheets 5/8/2018

Migrate Data to WIN:

Verify Data In WIN:

DEP Form FD 9000-6: Lake Habitat Assessment Field Sheet

78383

STORET STATION NUMBER: G3NE0001	DATE (M/D/Y) 05-08-18	LAKE NAME MOON LAKE		FIELD ID / NAME: G3NE0001
ECO-REGION:	COUNTY ALACHUA	SAMPLING LOCATION/DESCRIPTION:		LAKE SIZE:
PARAMETER	No surface inflow or outflow present, very long water residence time, groundwater seepage dominates ☐	Surface water inflow present, but flow is rare, moderate to long water residence time ☒	Surface water inflow and outflow present (or outflow only), sometimes with visible flow, short water residence time ☐	Impounded, hydrology of system artificially controlled ☐
HYDROLOGY				
Color	Very clear, uncolored water (benthic sampling appropriate) ☐	Water somewhat tannin stained (benthic sampling appropriate) ☒	Dark, discolored water (water color 20 PCU or higher) ☐	Visibility extremely reduced due to high color ☐
	Optimal	Suboptimal	Marginal	Poor
Secchi 12	Secchi >3 m Or VOB 20 19 18 17 16	3 2.6 2.2 1.8 1.4 15 14 13 12 11	1.0 0.9 0.8 0.7 0.6 10 9 8 7 6	0.5 0.4 0.3 0.2 0.1 5 4 3 2 1
Vegetation Quality 11	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa 20 19 18 17 16	Mostly expected native plants, but moderate growths (6%-20% of lake) of nuisance macrophytes, or more than 50% of lake covered with plants 15 14 13 12 11	Large masses (21%-40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats 10 9 8 7 6	Lake choked (>40%) with nuisance macrophytes (duckweed, hyacinth, etc.) or algal mats, or few plants present at all (e.g., plants removed) 5 4 3 2 1
Stormwater Inputs 13	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 20 19 18 17 16	Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place 15 14 13 12 11	Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place 10 9 8 7 6	Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place 5 4 3 2 1
Bottom Substrate Quality 13	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present 20 19 18 17 16	Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present 15 14 13 12 11	Moderate layer of CPOM/mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom 10 9 8 7 6	Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom 5 4 3 2 1
Lakeside Adverse Human Alternations 14	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%) 20 19 18 17 16	Moderate disturbance visible (structures, roads or other), 10%-49% lakeside affected 15 14 13 12 11	Many structures, roads or other human disturbance visible (50%-70%) lakeside affected 10 9 8 7 6	Highly developed or disturbed (>70% of lakeside affected) 5 4 3 2 1
Upland Buffer Zone 14	Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer 20 19 18 17 16	89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer 15 14 13 12 11	50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer 10 9 8 7 6	< 29% of shoreline with >18m buffer 5 4 3 2 1
Adverse Watershed Land Use 14	Score the potential effects from adverse human land uses, based on a continuum of amount and type, with least to most adverse as follows: Native vegetation, Silviculture, Pasture or Citrus, Low Density Residential, Row Crops, Commercial, High Density Residential, Urban, Industrial 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1			

TOTAL SCORE

99

COMMENTS:

LAKE SPRAYED by HOA Late Last summer

ANALYSIS DATE:

05-08-18

ANALYST:

PO'Connor

SIGNATURE:

Patricia O'Connor

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: _____ MACROPHYTE ID: _____ LATITUDE: _____
 COUNTY: Alachua STORET #: G3NE0001 LONGITUDE: _____
 DATE: 05-08-18 TIME: _____ SAMPLING AGENCY: _____
 SITE NAME: MOON LAKE WBID: 2706 LAKE SIZE: _____ RQ: 2018-04-30-27
 FIELD ID/NAME: _____

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) : Forest/Natural <u>25%</u> Silviculture <u>0%</u> Field/Pasture <u>0%</u> Agricultural <u>0%</u> Residential <u>65%</u> Commercial <u>0%</u> Industrial <u>0%</u> Other (Specify) <u>10% School</u>					LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: <u>0</u>									
Local Watershed Erosion (select one) : ☐ None ☐ Slight ☐ Moderate ☐ Heavy Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☐ Moderate ☐ Heavy					Artificially Impounded ☐ Yes ☐ No					Land Use Source & Year:				
STORMWATER INPUTS <u>13</u>		Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 20 19 18 17 16			Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place 15 14 <u>13</u> 12 11			Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place 10 9 8 7 6			Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place 5 4 3 2 1			
LAKESIDE ALTERATIONS <u>13</u>		Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected) 20 19 18 17 16			Moderate disturbance visible - structures, roads or other (10%-49% lakeside affected) 15 14 <u>13</u> 12 11			Many structures, roads or other human disturbance visible (50%-70% lakeside affected) 10 9 8 7 6			Highly developed or disturbed (>70% of lakeside affected) 5 4 3 2 1			
BUFFER ZONE <u>14</u>		Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer 20 19 <u>18</u> 17 16			89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer 15 <u>14</u> 13 12 11			50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer 10 9 8 7 6			< 29% of shoreline with >18m buffer 5 4 3 2 1			

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water: Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☐ No pH < 2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot # <u>SA7341020</u> Exp. Date: <u>12-07-18</u> Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☒ Normal ☐ High						Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____											
Meter Readings: Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT) Top: <u>0.3</u> <u>25.7</u> <u>7.5</u> <u>5.69</u> <u>69</u> <u>144</u> <u>0.07</u> Mid-Depth: <u>2.4</u> <u>25.7</u> <u>7.5</u> <u>5.69</u> <u>69</u> <u>144</u> <u>0.07</u> Bottom: <u>14</u> <u>25.7</u> <u>7.5</u> <u>5.69</u> <u>69</u> <u>144</u> <u>0.07</u> Meter ID: <u>YSI #3</u>						Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____											
Sediment Type: (may check more than one) ☐ Sandy ☒ Organic fibrous (peaty, CPOM) ☐ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____						Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green											
Biological Communities: LVI Conducted? ☒ Yes ☐ No Phytoplankton Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☒ No Lot #: _____ Exp Date: _____ Algal Bloom/Algal ID Sample Taken? Yes ☒ No Active Vegetation Mgmt? ☒ Yes ☐ No ☐ Don't Know						Abundance: Absent Rare Common Abundant Periphyton ☐ ☐ ☒ ☐ Nuisance Plants ☐ ☒ ☐ ☐ Submersed Plants ☐ ☒ ☐ ☐ Exotic Apple Snails ☒ ☐ ☐ ☐						Additional Notes: <u>Lake vegetation sprayed Lake last summer very few submerged macrophytes pro</u>					
Weather Conditions: <u>Clear skies breezy</u>																	
SAMPLING TEAM: <u>A. Kalmbacher, P. O'Connell</u>						SIGNATURE: <u>P. O'Connell</u>			DATE: <u>05-08-18</u>								

28

78583

Form FD9000-27 Lake Vegetation Index Data Sheet (04-21-11)

Waterbody: **MOON LAKE**

County: **ALACHUA**

Date: **05-08-18**

Analyst: **A. Kalmbacher, P. O'Connor**

Signature:

STORET **G3NE004**

Except where noted as "sp." species level identification required. *Genera that may require lab verification* Plants in bold = FLEPPC

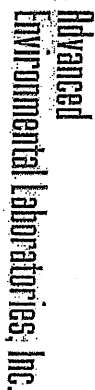
Lake units sampled

SPECIES	1	2	3	4	Collected?	SPECIES	1	2	3	4	Collected?
Acer rubrum Red Maple	3	6	9	12	✓	Habenaria repens Waterspider bog	3	6	9	12	✓
Alternanthera philoxeroides Alligator Weed		✓		✓		Hydrilla verticillata Waterthyme					✓
Andropogon sp. Broom grass						Hydrocotyle sp. Water pennywort				✓	
Azolla filiculoides (A. caroliniana) Mosquito fern					✓	Hygrophila polysperma Indian swampweed					
Baccharis sp. Saltbush				✓		*Hypericum fasciculatum Peerbark St. Johnswort					
Bacopa caroliniana Lemon bacopa						*Hypericum hypericoides St. Andrew's Cross					
Bacopa monnieri Waterhyssop						*Hypericum myrtifolium Myrtleleaf St. Johnswort					
Bidens laevis Smooth Beggartick						Ilex cassine Dahoon holly					
Bidens mitis Smallfruit Beggartick						Ipomoea aquatica Swamp Morning Glory					
Blechnum serrulatum Swamp fern						Ipomoea sagittata Saltmarsh Morning Glory					
Boehmeria cylindrica Smallspike false nettle						Itea virginica Virginia Sweetpire					
Brasenia schreberi Water sheild						Juncus effusus Soft Rush					
Cabomba caroliniana Carolina fanwort						*Juncus marginatus Grassleaf Rush					
Casuarina equisetifolia Australian pine						*Juncus megacephalus Bighead Rush					
Centella asiatica Spadeleaf						Juncus repens Lesser Creeping Rush					
Cephalanthus occidentalis Buttonbush	✓	✓	✓	✓		*Juncus scirpoides Needlepod Rush					
Ceratophyllum demersum Coontail						Lachnanthes caroliniana Redroot					
Chara sp. Muskgrass						Leersia hexandra Southern Cutgrass					
Cladium jamaicense Swamp sawgrass						Landoltia punctata (Spirodela punctata) Dotted					
Cliftonia monophylla Buckwheat tree					✓	Lemna sp. Duckweed					
Colocasia esculenta Wild taro				✓		Leucothoe racemosa (Eubotrys r.) Doghobble					
*Commelina Dayflower						Limnobia spongia American spongeplant					
Crinum americanum Swampily						Limnophila sessiliflora Asian Marshweed	✓	✓	✓	✓	
*Cyperus alternifolius (C. involucratus)						Liquidambar styraciflua Sweetgum					
Cyperus articulatus Jointed flatsedge						*Ludwigia arcuata Piedmont Primrosewillow					
Cyperus haspan Haspan flatsedge						*Ludwigia leptocarpa Anglertem Primrosewillow					
*Cyperus lecontei LeConte's Flatsedge						*Ludwigia linearis Narrowleaf P. willow					
*Cyperus polystachyos Manyspike flatsedge						*Ludwigia octovalvis Mexican Primrosewillow					
*Cyperus odoratus Fragrant flatsedge						*Ludwigia peruviana Peruvian P. willow					
*Cyperus surinamensis Tropical flatsedge		✓		✓		*Ludwigia repens Creeping Primrosewillow					
Cyrtilla racemiflora Swamp titi						*Ludwigia Primrosewillow					
Decodon verticillatus Swamp loosestrife						Luziola fluitans (Hydrochloa carolinensis)					
Diodia virginiana Virginia buttonweed						Lyonia lucida Fetterbush					
*Echinochloa crus-galli Barnyardgrass						Magnolia virginiana Sweetbay					
*Echinochloa muricatum Rough Barnyardgrass						Mayaca fluviatilis Bogmoss					
Echinochloa walteri Cockspur grass						Melaleuca quinquenervia Punktree					
Eclipta prostrata (E. alba) False daisy						Micranthemum glomeratum Manatee mudflower					
Egeria densa Brazilian waterweed						Micranthemum umbrosum Shade mudflower					
Eichhornia crassipes Water hyacinth						Mikania scandens Climbing hempvine					✓
*Eleocharis baldwinii Baldwin's spikerush						Mimosa pigra Giant sensitive tree	✓	✓	✓	✓	
*Eleocharis Spikerush						Myrica cerifera Wax myrtle	✓	✓	✓	✓	
Eleocharis cellulosa Gulf Coast spikerush											
Eleocharis equisetoides Jointed spikerush						Hibiscus coccineus	✓	✓	✓	✓	
Eleocharis interstincta Knotted spikerush						Eleocharis viviparus	✓	✓	✓	✓	
*Eriocaulon compressum Flattened pipewort						Carex alata comosa	✓	✓	✓	✓	
*Eriocaulon decangulare Tenangle pipewort						Hydrophyllum	✓	✓	✓	✓	
Eupatorium capillifolium Dog fennel						Bidens laevis	✓	✓	✓	✓	
*Fuirena Umbrella grass						Ametopsia arborea	✓	✓	✓	✓	
Fuirena scirpoidea Rush fuirena											
Gordonia lasianthus Loblolly Bay											

Trumpet, Cross, Pepper - Vine ?

9.6.12

SPECIES		1	2	3	4	Collected? (✓)	SPECIES		1	2	3	4	Collected? (✓)
Myriophyllum aquaticum	Parrot feather	3	6	9	12		Salix caroliniana	Willow	3	6	9	12	
*Myriophyllum heterophyllum	Twoleaf Water Milfoil						Salvinia minima	Water spangles					
*Myriophyllum laxum	Loose Water Milfoil						Sambucus canadensis	Elderberry					
*Myriophyllum pinnatum	Cutleaf Water Milfoil						Sapium sebiferum	Chinese tallow			✓	✓	
Myriophyllum spicatum	Eurasian Water Milfoil						Saururus cernuus	Lizard's tail					
*Najas filifolia	Needleleaf watermymph						Schinus terebinthifolius	Brazilian Pepper					
*Najas guadalupensis	Southern Naiad						*Schoenoplectus californicus	Giant Bulrush					
*Najas minor	Brittle Watermymph						*Schoenoplectus pungens	3-square Bulrush					
Nelumbo lutea	American lotus						*Schoenoplectus tabernaemontani (Scirpus validus)						
Nitella spp.	Brittlewort						Scirpus cubensis (Oxycaryon cubense)						
Nuphar sp.	Spatterdock						Scirpus cyperinus	Woolgrass					
Nymphaea odorata	Fragrant Waterlily						*Sesbania	Rattlebush					
Nymphoides aquatica	Floating heart						Solidago sp.	Goldenrod					
Nymphoides cristata	Crested Floating heart						Sparganium americanum	American Burreed					
Nyssa sylvatica var. biflora	Swamp Tupelo						Spartina bakeri	Sand Cordgrass					
Orontium aquaticum	Goldclub						Spirodela polyrhiza	Duckweed					
Osmunda cinnamomea	Cinnamon Fern						Taxodium sp.	Cypress					
Osmunda regalis	Royal fern		✓	✓	✓		Thalia geniculata	Alligator Flag					
Panicum hemitomon	Maidencane		✓	✓	✓		Thelypteris palustris	Marshfern					
Panicum repens	Torpedograss						Triadenum virginicum	Virginia Marsh St.					
Paspalidium geminatum	Egyptian Paspalidium						Typha sp.	Cattail					
*Paspalum repens	Water paspalum						Urochloa mutica (Brachiaria m.)	Paragrass					
Paspalum urvillei	Vaseygrass						*Utricularia gibba (U. biflora)	Cone-spur b.w.					
Peltandra sp.	Arrow arum						*Utricularia floridana	Florida Yellow Bladderwort					
Persea sp.	Bay tree						*Utricularia foliosa	Horned Bladderwort					
Pennisetum purpureum	Elephantgrass						*Utricularia inflata	Floating Bladderwort					
Phragmites australis	Common reed		✓	✓			*Utricularia purpurea	Purple Bladderwort					
Pinus elliotii	Slash pine		✓	✓			*Utricularia cornuta	Horned Bladderwort					
Pistia stratioides	Water lettuce						*Utricularia radiata	Little Floating Bladderwort					
Pluchea sp.	Camphorweed						Vallisneria americana	Tapegrass					
*Polygonum glabrum (densiflorum)	Knotweed						*Websteria confervoides	Algal Bulrush					
*Polygonum hydropiperoides	Smartweed						Wedelia trilobata (Sphagneticola t.)	Cr. Oxeye					
*Polygonum punctatum	Dotted Smartweed						Wolffiella spp.	Mudmidget					
*Polygonum	Knotweed/Smartweed						Woodwardia virginica	VA Chainfern					
Pontederia cordata	Pickeralweed						Xyris sp.	Yellow-eyed grass					
*Potamogeton diversifolius	Waterthread Pondweed						Zizania aquatica	Wildrice					
*Potamogeton illinoensis	Illinois Pondweed						Zizaniopsis milacea	Southern Wildrice					
*Potamogeton pusillus	Small Pondweed												
*Potamogeton pectinatus (Stuckenia)	Sago Pondweed						Quercus nigra			✓	✓	✓	
Proserpinaca pectinata	Combleaf Mermaidweed						IRIS HEXAGONA			✓	✓	✓	
*Rhexia	Meadowbeauty						Vitis			✓	✓	✓	
*Rhynchospora corniculata	Short bristle Beaksedge						Utricularia sp. (gibba?)			✓	✓	✓	
*Rhynchospora inundata	Horned Beaksedge												
Rhynchospora tracyi	Tracy's Beaksedge												
Ricciocarpus natans	Liverwort												
Sabal palmetto	Cabbage Palm	✓											
Sacciolepis striata	American Cupscale Grass												
*Sagittaria filiformis	Variable leaf Arrowhead												
*Sagittaria graminea	Grassy Arrowhead												
*Sagittaria isoetiformis	Quillwort Arrowhead												
Sagittaria lancifolia	Bulltongue Arrowhead												
Sagittaria latifolia	Duck Potato												



1-800-828-6882 • FAX 813.630.4327

FOR DRINKING WATER USE:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: NE-DIST
Project ID: SMP

Requester: Jeremy M. Parrish
Collected By: A. Kambacher

Field Report Prepared By: PO'Connor
Sampling Agency: DEANE ROE

WIN / Field ID: G1NE0862		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 05-08-18 Time	1410	☒ Eastern ☐ Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Calf Pond Center		Matrix (type, e.g., Salt, Fresh, etc) Surface Fresh		Diss. Oxygen 5.00	☒ mg/L Total Res. Chlorine ☐ % sat (mg/L)				
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Temp (C) 27.4	pH 7.9	Sample Depth 0.3	☒ ft ☐ m	Sp. Conductance 216	A
Salinity (ppt) 0.10		Comments DO 63.2%							

WIN / Field ID: G3NE0001		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 05-08-18 Time	1200	☒ Eastern ☐ Central	Composite end Date	Time	Bottle Group(s)
Moon Lake Center		Matrix (type, e.g., Salt, Fresh, etc) Surface Fresh		Diss. Oxygen 5.69	☒ mg/L Total Res. Chlorine ☐ % sat (mg/L)				
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Temp (C) 25.7	pH 6.86	Sample Depth 0.3	☒ ft ☐ m	Sp. Conductance 144	A
Salinity (ppt) 0.07		Comments DO 66.9.0							

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

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

Relinquished By: PO'Connor	Date/Time 05-08-18 1730	Shipping Method Fed Ex	Number of Coolers Shipped: 1	Received By:	Date/Time
----------------------------	-------------------------	------------------------	------------------------------	--------------	-----------

Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: NED-AEG-EC	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: NED-AEG-EC	P-120ML-WC-THI	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
Group: B	Bottle Type: PCR-FILTER	QPCR-P-500ML	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	

* Group B Samples Submitted Last week (PO Count)