



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / No

WIN Station Name: Little Bonnet Lake

Date: 09/17/2019

(mm/dd/yyyy)

WIN/ Field ID: G4SD0169

WBID: 1813G

Latitude: 27.56083333

(Decimal Degrees)

County: Highlands

ORG ID: 21FLFTM

Longitude: -81.475555

(Decimal Degrees)

Receiving Body of Water:

RQ-2019- 09-16-60

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Nicole Reistad						X	X	X	X	X	☒ Sample Container	☐ Van Dorn	☐ Pole		
Chase Conley						X	X	X	X	X	☐ Carboy	☒ Syringe			
											☐ Dipper	☐ Other			
											Depth Measured with <u>Secchi disk</u>				
											Equipment ID <u>deep blue</u>				
											Collection Method				
											☐ Wading	☐ Canoe/Kayak			
											☐ From Shore	☐ Electric Motor			
											☐ Other	☒ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded						Meter ID# <u>PRO MOVE</u>				Matrix: <u>Fresh</u> Marine / DI					
Photos: Yes / <u>No</u>						Flow: No Flow / Interstitial / <u>Flowing</u> / NA				Tide: Rising/ Falling/ Slack/ <u>NA</u>				Tide Times: High Low	
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)					
EST	1230	4.2	0.3	0.5	9.35	123.5	8.72	0.09	203.4	29.8					
CEN	1231		3.7		4.13	58.6	6.80	0.10	205.1	28.8					
Biological Samples Collected: None HA SCI RPS Algae ID LVS <u>LVI</u> Other:															
SBIO ID Numbers: SBIO-ID: <u>80301</u> HA-ID: RPS-ID: Macrophyte-ID: <u>11485</u> LIMS#: <u>2120119</u>															
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	<u>SA7163030</u>	<u>10/30/19</u>	<u>2</u>						
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3			☐ <2						
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter					☐ Ice									
Chlorophyll	☒ CHLSUITE-W					☐ Ice									
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS					☐ Ice									
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / 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-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD					☐ Ice									
Tracers	☐ W-E8321-DI ☐ W-E8321-MS					☐ Ice									
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA					☐ Ice									
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C					☐ Ice									

Notes: ACCESS 27.562289, -81.473259		Place Label Here	
Signature: <u>Nicole Reistad</u>		Date: <u>09/17/2019</u>	

LIMS EVENT ID: <u>50-DIST-2019-09-18-01</u>	WIN Import ID:
Enter Field Parameters, Verify Station ID in LIMS DMT:	QC Station ID, Field Parameters in LIMS DMT:
Scan/Save Field Sheets <u>AR 09/30/19</u>	Migrate Data to WIN:
(Initials/Date)	(Initials/Date)
Verify Data in WIN:	(Initials/Date)

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: <u>Little Bonnet Lake</u>		County: <u>Highlands</u>		Date: <u>09/17/2019</u>							
Analyst: <u>Nicole Keistach, Chase Conley</u>		Signature: <u>[Signature]</u>		STORET:							
Except where noted as "sp." species level identification required. *Genera that may require lab verification* Plants in bold= FLEPPC invasive exotic.				Lake units sampled (circle one group): <u>1, 4, 7, 10</u> 2, 5, 8, 11 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	1	4	7	10	Collected? (✓)	SPECIES	1	4	7	10	Collected? (✓)
Acer rubrum						Habenaria repens					
Alternanthera philoxeroides						Hydrilla verticillata					
Andropogon sp.						Hydrocotyle sp.	✓				
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma					
Baccharis sp.		✓				*Hypericum fasciculatum					
Bacopa caroliniana						*Hypericum hypericoides					
Bacopa monnieri						*Hypericum myrtifolium					
Bidens laevis						Ilex cassine <u>debaugh holley</u>	✓				
Bidens mitis						Ipomoea aquatica					
Blechnum serrulatum	✓					Ipomoea sagittata					
Boehmeria cylindrica						Itea virginica					
Brasenia schreberi						Juncus effusus					
Cabomba caroliniana						*Juncus marginatus					
Casuarina equisetifolia						*Juncus megacephalus					
Centella asiatica						Juncus repens					
Cephalanthus occidentalis	✓	✓	✓	✓		*Juncus scirpoides					
Ceratophyllum demersum						Lachnanthes caroliniana					
Chara sp.						Leersia hexandra					
Cladium jamaicense						Landoltia punctata (Spirodela punctata)					
Cliftonia monophylla						Lemna sp.					
Colocasia esculenta						Leucothoe racemosa (Eubotrys racemosa)					
*Commelina						Limnium spongia					
Crinum americanum						Limnophila sessiliflora					
*Cyperus alternifolius (C. involucratus)						Liquidambar styraciflua					
Cyperus articulatus						*Ludwigia arcuata					
Cyperus haspan						*Ludwigia leptocarpa	✓			✓	
*Cyperus lecontei						*Ludwigia linearis					
*Cyperus polystachyos						*Ludwigia octovalvis	✓			✓	
*Cyperus odoratus						*Ludwigia peruviana	✓	✓	✓	✓	
*Cyperus surinamensis						*Ludwigia repens					
Cyrilla racemiflora						*Ludwigia					
Decodon verticillatus						Luziola fluitans (Hydrochloa carolinensis)					
Diodia virginiana						Lyonia lucida					
*Echinochloa crus-galli						Magnolia virginiana					
*Echinochloa muricatum						Mayaca fluviatilis					
Echinochloa walteri						Melaleuca quinquenervia	✓	✓			
Eclipta prostrata (E. alba)						Micranthemum glomeratum					
Egeria densa						Micranthemum umbrosum					
Eichhornia crassipes						Mikania scandens	✓	✓			
*Eleocharis baldwinii						Mimosa pigra					
*Eleocharis <u>Vivipara</u>				✓		Myrica cerifera	✓	✓			
Eleocharis cellulosa				✓							
Eleocharis equisetoides		✓	✓	✓							
Eleocharis interstincta											
*Eriocaulon compressum											
*Eriocaulon decangulare											
Eupatorium capillifolium	✓	✓	✓	✓							
*Fuirena <u>AP</u>	✓	✓	✓	✓	✓						
Fuirena scirpoidea											
Gordonia lasianthus											

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site: Little Bonnet Lake					Date: 09/17/2019						
SPECIES	1	4	7	10	Collected? (✓)	SPECIES	1	4	7	10	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 polyrrhiza					
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						caeson weed (Urena lobata)	✓				
*Rhexia						Quercus laurifolia (oak tree)	✓				
*Rhynchospora corniculata						hibiscus sp. eoccineus	✓	✓	✓		
*Rhynchospora inundata						YANA PLUM (Syzgium cumini)	✓				
Rhynchospora tracyi						Swamp hemlock (Cicuta maculata)				✓	
Ricciocarpus natans						sugar cane plant, plum				✓	NR
Sabal palmetto						Bidens alba					✓
Sacciolepis striata	✓	✓	✓			Saccharum giganteum				✓	
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia											
Sagittaria latifolia											