



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

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March 2017

Data Qualified?

Yes / No

Location/STORET Station Name: Lake Prima Vista @ Center

Date: 7/6/17

STORET # G2CE0125

WBID: 3002E

Latitude: 28.56389344

County: Orange RQ - 2017-07-03-33 ORG ID: 2IFLEN

Longitude: -81.5366581

Receiving Body of Water:

Field ID: G2CE0125

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katie Williams				/	/	/	/	/
Terry Riordan				/	/	/	/	/
Tina McIntyre (oc)				/	/	/	/	/

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 / Pooled / Low / <u>Normal</u> / High / Flooded				Matrix: <u>Fresh</u> / Marine / DI						
Meter ID# <u>Bottle 67</u>		Photos: <u>Yes</u> / No		Tide Falling: Yes / No / <u>NA</u>						
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (umhos/cm)	Temp. (C°)
<u>EST</u>	<u>1115</u>	<u>0.3</u>	<u>4.1</u>	<u>10.2</u>	<u>138</u>	<u>8.3</u>	<u>0.12</u>	<u>0.5</u>	<u>257</u>	<u>31.6</u>
<u>CEN</u>		<u>3.6</u>		<u>0.2</u>	<u>3</u>	<u>6.9</u>	<u>0.18</u>		<u>385</u>	<u>26.6</u>

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

SBIO ID Numbers: SBIO-ID: 77769 RPS-ID: n/a Macrophyte-ID: 10569 LIMS#: 1911833

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4			☒ <2
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-Cl-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 ☐ qPCR	☐ Ice			
Tracers	☐ W-SUC AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains
1:1
Sulfuric Acid
SA-7093010
EXP: 04/03/18
Warning!
See SDS

Notes:

RQ-2017-07-03-33
Lake Prima Vista
Date: 07/06/2017
Time:

G2CE0125
Field ID ↑
STORET ↓
G2CE0125

Signature: K Williams

Date: 7/6/17

Field Parameters Entered into LIMS: KMW 7/28/17

Field Parameters QC in LIMS:

Date Migrated to STORET:

Field Sheets Scanned/Saved:

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: _____ MACROPHYTE ID: _____
 COUNTY: Orange STORET #: 62260125
 DATE: 7/6/17 TIME: _____
 SITE NAME: Lake Prima Vista
 FIELD ID/NAME: _____

LATITUDE: 28.56389344
 LONGITUDE: -81.5366581
 SAMPLING AGENCY: _____
 WBID: 3002E
 LAKE SIZE: _____ RQ: 2017-07-03-33

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) : Forest/Natural ☐ Silviculture ☐ Field/Pasture ☐ Agricultural ☒ Residential ☒ Commercial ☐ Industrial ☐ Other (Specify) ☐ 30 70					LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: Land Use Source & Year: _____								
Local Watershed Erosion (select one) : ☐ None ☒ Slight ☐ Moderate ☐ Heavy Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☒ Moderate ☐ Heavy					Artificially Impounded ☐ Yes ☐ No								
STORMWATER INPUTS <u>2</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 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		
LAKESIDE ALTERATIONS <u>2</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 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		
BUFFER ZONE <u>2</u>		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		

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water: Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☐ No pH<2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot # _____ Exp. Date: _____ Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☒ Normal ☐ High						Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____					
Meter Readings: Top: <u>0.3</u> <u>31.6</u> <u>9.3</u> <u>10.2</u> <u>138</u> <u>257</u> <u>0.12</u> Mid-Depth: _____ Bottom: <u>3.6</u> <u>26.6</u> <u>6.9</u> <u>0.2</u> <u>3</u> <u>385</u> <u>0.18</u> Meter ID: _____						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 ☒ 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 ☐ ☐ ☒ ☐					
Weather Conditions: <u>not, partly cloudy</u>						SECCHI (M) <u>0.5</u> Total Station Depth (M) <u>4.1</u> VOB ☐					
Sediment Odors: ☐ Normal ☐ Other (Specify): _____ ☒ Anaerobic						Additional Notes:					
SAMPLING TEAM: <u>Kate Williams, Terry Rodan, Tina McIntyre</u>						SIGNATURE: <u>K Williams</u> DATE: <u>7/6/17</u>					

Waterbody: <u>Lake Prima Vista</u>		County: <u>Orange</u>		Date: <u>7/6/17</u>							
Analyst: <u>KMW, TR, Tina McIntyre (OC)</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): 1, 4, 7, 10 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	3	6	9	12	Collected? (✓)	SPECIES					Collected? (✓)
Acer rubrum						Fraxinus					
Alternanthera philoxeroides						Fuirena scirpoides					
Amaranthus australis						Gordonia lasianthus					
Andropogon sp.						Habenaria repens					
Azolla filiculoides (A. caroliniana)						Hibiscus coccineus					
Baccharis sp.						Hibiscus grandiflora					
Bacopa caroliniana						Hydrilla verticillata					
Bacopa monnieri						Hydrocotyle sp.					
Bidens alba						Hygrophila polysperma					
Bidens laevis						Hymenocallis sp.					
Bidens mitis						*Hypericum fasciculatum					
Blechnum serrulatum						*Hypericum hypericoides					
Boehmeria cylindrica						*Hypericum myrtifolium					
Brasenia schreberi						Ilex cassine					
Cabomba caroliniana						Ipomoea aquatica					
Canna						Ipomoea sagittata					
Centella asiatica						Itea virginica					
Cephalanthus occidentalis						Juncus effusus					
Ceratophyllum demersum						*Juncus marginatus					
Chara sp.						*Juncus megacephalus					
Cicuta maculata						Juncus repens					
Cinnamomum camphora						*Juncus scirpoides					
Cladium jamaicense						Lachnanthes caroliniana					
Colocasia esculenta						Leersia hexandra					
*Commelina						Landoltia punctata (Spirodela punctata)					
Crinum americanum						Lemna sp.					
* Cyperus alternifolius (C. involucratus)						Leucothoe racemosa (Eubotrys racemosa)					
Cyperus articulatus						Limnium spongia					
Cyperus haspan						Limnophila sessiliflora					
*Cyperus lecontei						Liquidambar styraciflua					
*Cyperus polystachyos						*Ludwigia arcuata					
*Cyperus odoratus						*Ludwigia grandiflora					
*Cyperus surinamensis						*Ludwigia hexapetala					
Cyrtilla racemiflora						*Ludwigia leptocarpa					
Decodon verticillatus						Ludwigia (native)					
Diodia virginiana						*Ludwigia octovalvis					
*Echinochloa crus-galli						*Ludwigia peruviana					
*Echinochloa muricatum						*Ludwigia repens					
Echinochloa walteri						Ludwigia suffruticosa					
Eclipta prostrata (E. alba)						Luziola fluitans (Hydrochloa carolinensis)					
Eichhornia crassipes						Magnolia virginiana					
*Eleocharis						Mayaca fluviatilis					
Eleocharis cellulosa						Melaleuca quinquenervia					
*Eleocharis elongata						Micranthemum glomeratum					
Eleocharis equisetoides						Micranthemum umbrosum					
Eleocharis interstincta						Mikania scandens					
Eleocharis submersa viviparous						Mimosa pigra					
*Eriocaulon compressum						Myrica cerifera					
*Eriocaulon decangulare											
Eupatorium capillifolium											

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site:					Date:					
SPECIES	3	6	9	12	Collected? (✓)	SPECIES				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 mexicana						*Sesbania				
Nymphaea odorata	/	/	/	/		Solidago sp.				
Nymphoides aquatica						Sparganium americanum				
Nyssa sylvatica var. biflora	/					Spartina bakeri				
Orontium aquaticum						Spirodela polyrhiza				
Osmunda cinnamomea						Taxodium sp.	/			
Osmunda regalis						Thalia geniculata				
Panicum hemitomon						Thelypteris interrupta				
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 foliosa				
Pennisetum purpureum						*Utricularia inflata				
Phragmites australis						*Utricularia purpurea				
Pinus elliotii						*Utricularia radiata				
Pistia stratioides						*Utricularia resupinata				
Pluchea sp.						Vallisneria americana	/	/	/	/
*Polygonum glabrum (densiflorum)						Vitis sp.				
Polygonum hirsutum						*Websteria confervoides				
*Polygonum hydropiperoides						Wedelia trilobata (Sphagneticola trilobata)	/	/		
*Polygonum punctatum						Wolffiella spp.				
*Polygonum						Woodwardia virginica				
Pontederia cordata				/		Xyris sp.				
*Potamogeton diversifolius						Zizania aquatica				
*Potamogeton illinoensis	/	/	/	/		Zizaniopsis miliacea				
*Potamogeton pusillus										
*Potamogeton pectinatus (Stuckenia pectinatus)						<i>Gambusia</i>				
Proserpinaca pectinata						<i>Virginia creeper</i>	/	/		
*Rhexia						<i>Vigna</i>	/	/		
*Rhynchospora corniculata						<i>Dioscorea</i>		/		
*Rhynchospora inundata						<i>Panthenocissus</i>				
Rhynchospora nitens						<i>quinquefolia</i>				
Ricciocarpus natans										
Sabal palmetto										
Sacciolepis striata										
*Sagittaria filiformis										
*Sagittaria graminea										
*Sagittaria isoetiformis										
Sagittaria lancifolia	/	/								
Sagittaria latifolia										

LVI Map for LAKE PRIMA VISTA, WBID 3002E

