

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: _____ MACROPHYTE ID: _____ LATITUDE: 28.09450278
COUNTY: Hillsborough STORET #: GISW0083 LONGITUDE: -82.47880556
DATE: 8/30/2017 TIME: 1145 SAMPLING AGENCY: FDEP
SITE NAME: Platt Lake WBID: 1516 C
FIELD ID/NAME: GISW0083 LAKE SIZE: small RQ: 2017-08-28-14

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) ☐						LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI:											
Local Watershed Erosion (select one) : ☐ None ☐ Slight ☒ Moderate ☐ Heavy						Artificially Impounded ☐ Yes ☒ No											
Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☒ Moderate ☐ Heavy						Land Use Source & Year:											
STORMWATER INPUTS <u>3</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>3</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>3</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 # <u>SA7163030</u> Exp. Date: <u>6/12/18</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>0.1</u> <u>30.2</u> <u></u> <u>4.20</u> <u>55.6</u> <u></u> <u></u> Mid-Depth: <u>2m</u> <u>29.5</u> <u></u> <u>3.16</u> <u>42.1</u> <u></u> <u></u> Bottom: <u>4m</u> <u>29.3</u> <u></u> <u>2.55</u> <u>33.7</u> <u></u> <u></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 ☐ ☐ ☒ ☐							
Weather Conditions: <u>hot, sunny</u>								Sediment Odors: ☒ Normal ☐ Anaerobic ☐ Other (Specify): _____							
Additional Notes: <u>meter non functional for pH + conductivity</u>								SECCHI (M) <u>4ft 2in</u> Total Station Depth (M) <u>>4m</u> VOB ☐							
SAMPLING TEAM: <u>A.O'Neal, S.Panek</u>								SIGNATURE: <u>Sush Panek</u>							
DATE: <u>8/30/2017</u>															

Site: Lake Platt

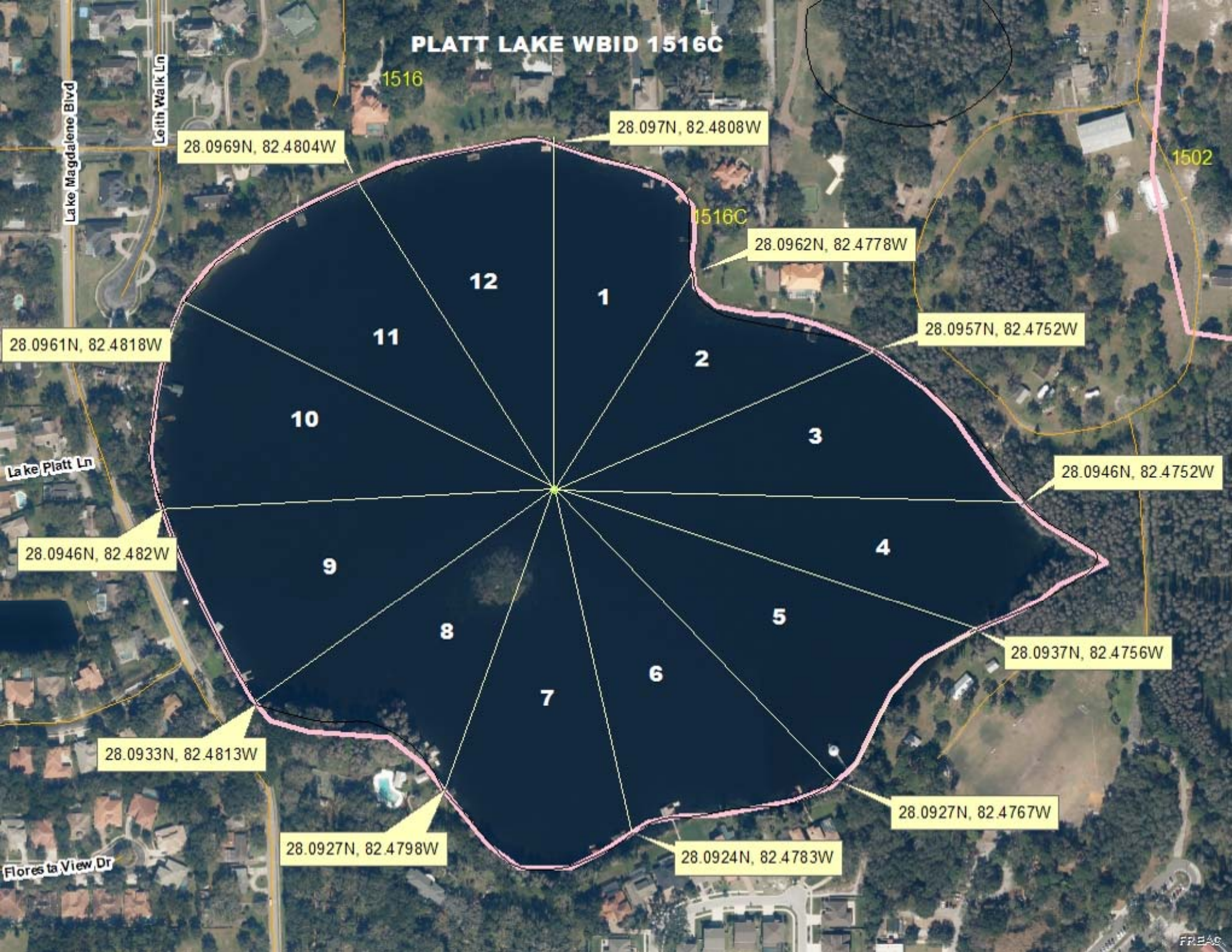
Date: 8/30/2017

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STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION
Lake Habitat Assessment Field Sheet

STORET STATION NUMBER:	DATE (M/D/Y) 8/30/2017	LAKE NAME Pitt Lake		FIELD ID / NAME: G15W0083	
ECO-REGION:	COUNTY: Hillsborough	SAMPLING LOCATION/DESCRIPTION:		LAKE SIZE: small	
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	
Secchi	Secchi > 3 m Or VOB	Secchi(m)		Poor	
☐ 10	20 19 18 17 16	3 2.6 2.2 1.8 1.4	1.0 0.9 0.8 0.7 0.6	0.5 0.4 0.3 0.2 0.1	
Vegetation Quality	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa ☐ 13	Mostly expected native plants, but moderate growths (6%-20% of lake) of nuisance macrophytes, or more than 50% of lake covered with plants		Large masses (21%-40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats	
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
Stormwater Inputs	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation ☐ 3	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	
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
Bottom Substrate Quality	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present ☐ 7	Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present		Moderate layer of CPOM/mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom	
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
Lakeside Adverse Human Alterations	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%) ☐ 3	Moderate disturbance visible (structures, roads or other), 10%-49% lakeside affected		Many structures, roads or other human disturbance visible (50%-70%) lakeside affected	
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
Upland Buffer Zone	Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer ☐ 3	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	
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
Adverse Watershed Land Use	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 ☐ 6				
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1	
TOTAL SCORE	☐ 45				
COMMENTS:					
ANALYSIS DATE:	ANALYST: A O Neal S Parakk		SIGNATURE: A O Neal S Parakk		

PLATT LAKE WBID 1516C



Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WQAP

Requester: Judy Ashton

Field Report Prepared By:

Project ID: SMP

Collected By:

A O Neal S Panek

Sampling Agency:

FDEP

Location	Platt Lake		Collection (comp begin or grab)		Date 8/30/2017 Time 1145		Composite end		Date		Time		Bottle Group(s)	
Field ID	Platt Lake		Matrix (type, e.g., Salt, Fresh, etc)		freshwater lake		Diss. Oxygen		mg/L		Total Res. Chlorine		(See pg 2)	
STORET #	G1SW0083		Temp (C)		30.2		pH		see comment		Sample Depth		0.1	
Latitude	28.09450278N		Longitude		-82.47880556		Salinity (ppt)		dd dms		Sp. Conductance (umho/cm)		see comment	
Location	Bird Lake		Collection (comp begin or grab)		Date 8/30/2017 Time 1345		Composite end		Date		Time		Bottle Group(s)	
Field ID	Bird Lake		Matrix (type, e.g., Salt, Fresh, etc)		freshwater lake		Diss. Oxygen		mg/L		Total Res. Chlorine		(See pg 2)	
STORET #	G1SW0085		Temp (C)		33.6		pH		see comment		Sample Depth		0.1	
Latitude	28.102 N		Longitude		-82.4779		Salinity (ppt)		dd dms		Sp. Conductance (umho/cm)		see comment	
Location	Field meter nonfunctional for pH, sp. cond.		Collection (comp begin or grab)		Date		Composite end		Date		Time		Bottle Group(s)	
Field ID			Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L		Total Res. Chlorine		(See pg 2)	
STORET #			Temp (C)				pH				Sample Depth			
Latitude			Longitude				Salinity (ppt)		dd dms		Sp. Conductance (umho/cm)			
Location			Collection (comp begin or grab)		Date		Composite end		Date		Time		Bottle Group(s)	
Field ID			Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L		Total Res. Chlorine		(See pg 2)	
STORET #			Temp (C)				pH				Sample Depth			
Latitude			Longitude				Salinity (ppt)		dd dms		Sp. Conductance (umho/cm)			
Location			Collection (comp begin or grab)		Date		Composite end		Date		Time		Bottle Group(s)	
Field ID			Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L		Total Res. Chlorine		(See pg 2)	
STORET #			Temp (C)				pH				Sample Depth			
Latitude			Longitude				Salinity (ppt)		dd dms		Sp. Conductance (umho/cm)			

Relinquished By:

A O Neal

Date/Time

8/31/17 925

Shipping Method

hand delivery

Number of Coolers Shipped:

1

Received By:

Date/Time

T. Panek 08/31/17 9:25

Group: A	Bottle Type:	P-1L	# of Bottles: 17	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 17	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 17	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 17	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						