



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 1

Data Qualified?

Yes / No

Location/STORET Station Name: DOSSON LAKE

Date: 08/29/2017

(mm/dd/yyyy)

STORET # G1SW0073

WBID: 1498Z

Latitude: 28.1231

(Decimal Degrees)

County: Hillsborough RQ: 2017-08-28-14

ORG ID: 21FLTPA

Longitude: -82.52553056

(Decimal Degrees)

Receiving Body of Water:

Field ID: G1SW0073

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ashley O'Neal					X	X			
Sarah Parnell					X	X	X	X	X

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 / Normal / High / Flooded

Matrix: Fresh / Marine / DI

Meter ID# 1483 Photos: Yes / No

Tide Falling: Yes / No / NA

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1330	0.1	>4m	6.2	79	6.08	—	0.82	103.7	27.9
CEN										

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

SBIO ID Numbers: SBIO-ID: 77980 RPS-ID: Macrophyte-ID: 10742 LIMS#: 1926440

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	7163030	6/12/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-C-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-PW-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			

Place Preservative Sticker(s) Here (If Available)

Notes:

Access granted by Charles Espenlaub 2017
CALL AHEAD 813-758-375.
17426 Darby Ln. 813-962-0682, Wants data.
Kit A, LVI

RQ-2017-08-28-14

Date:

Time:

Dosson Lake

Field ID

G1SW0073

STORET

G1SW0073

Signature:

Sarah Parnell

Date:

8/29/2017

Field Parameters Entered into LIMS: SM 09/20/2017 & Biology

(Initials/Date)

Field Parameters QC in LIMS:

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved: SM 10/03/2017

(Initials/Date)

(Initials/Date)

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: _____ MACROPHYTE ID: _____ LATITUDE: 28.1231
 COUNTY: Hillsborough STORET #: 615W0073 LONGITUDE: -82.52553056
 DATE: 8/29/2017 TIME: 1330 SAMPLING AGENCY: DEP/AEQA
 SITE NAME: Dosson Lake WBID: 14982
 FIELD ID/NAME: _____ LAKE SIZE: _____ 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 Local Watershed NPS Pollution: ☐ No evidence ☐ Slight ☒ Moderate ☐ Heavy				Artificially Impounded ☐ Yes ☒ No			
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	
LAKESIDE ALTERATIONS <u>8</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 <u>8</u> 7 6	
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	
						Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place 5 4 3 2 1	

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water: Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☒ pH<2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot # <u>7163030</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: Top: Depth (M) <u>0.1</u> Temp. (°C) <u>27.9</u> pH (SU) <u>5</u> D.O. (MG/L) <u>6.2</u> D.O. Sat. (%) <u>79</u> Cond. (UMHO/CM) <u>103.7</u> Salinity (PPT) _____ Mid-Depth: <u>2m</u> <u>27.2</u> <u>5.83</u> <u>3.4</u> <u>47</u> <u>109.5</u> _____ Bottom: <u>3m</u> <u>26.4</u> <u>5.63</u> <u>0.12</u> <u>1.6</u> <u>147.5</u> _____				Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____			
Meter ID: <u>Y21 1483</u>				Clarity: ☐ Clear ☐ Opaque ☐ Turbid ☒ Slightly Turbid Color: ☒ Clear ☐ Tannic ☐ Green			
Sediment Type: (may check more than one) ☐ Sandy ☒ Organic fibrous (peaty, CPOM) ☐ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____				SECCHI (M) <u>0.82</u> Total Station Depth (M) <u>>4m</u> VOB ☐			
Sediment Odors: ☐ Normal ☐ Other (Specify): _____ ☒ Anaerobic							

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>I qualify pH & sp. cond.</u>	
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Weather Conditions: <u>heavy rain</u>		SAMPLING TEAM: <u>A O'Neal S Panek</u>		SIGNATURE: <u>[Signature]</u>		DATE: <u>8/29/17</u>	
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STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION
Lake Habitat Assessment Field Sheet

STORET STATION NUMBER: G15W0073	DATE (M/D/Y) 8/29/2017	LAKE NAME Dosson Lake	FIELD ID / NAME:
ECO-REGION:	COUNTY: Hillsborough	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 ☐
HYDROLOGY			Impounded, hydrology of system artificially controlled ☐
Color	Very clear, uncolored water (benthic sampling appropriate) ☐	Water somewhat tannin stained (benthic sampling appropriate) ☒	Dark, discolored water (water color 20 PCU or higher) ☐
	Optimal	Suboptimal	Marginal
Secchi 8 88	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
Vegetation Quality 4	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
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
Bottom Substrate Quality 3	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
Lakeside Adverse Human Alterations 8	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
Upland Buffer Zone 3	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
Adverse Watershed Land Use 5	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	44	COMMENTS:
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ANALYSIS DATE: 8/29/2017	ANALYST: A. O'Neal S. Panek	SIGNATURE: <i>[Signature]</i>
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Site: Dossin

Date: 9/29/24

[illegible]

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Lakes-A-kits

Customer: WQAP

Requester: Judy Ashton

Field Report Prepared By: Sarah Panek

Project ID: SMP

Collected By: FDEP

Sampling Agency: FDEP

Location <u>Lake Helen</u>	RQ-2017-08-28-14 Date: <u>8/29/17</u>	Field ID <u>G1SW0069</u>	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>8/29/17</u> Time <u>1015</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2) <u>A</u>
Field ID <u>G1SW0069</u>	Time: <u>1015</u>	STORET <u>G1SW0069</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh, Surface</u>		Diss. Oxygen <u>6.74</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET # <u>G1SW0069</u>	Lake Helen		Temp (C) <u>29.9</u>	pH <u>6.38</u>	Sample Depth <u>>6</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>245.3</u>
Latitude <u>28.12178056</u>	☒ dd ☐ dms	Longitude <u>-82.53870556</u>	☒ dd ☐ dms	Salinity (ppt)	Comments		
Location <u>Dosson Lake</u>	RQ-2017-08-28-14 Date: <u>8/29/17</u>	Field ID <u>G1SW0073</u>	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>8/29/17</u> Time <u>1330</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) <u>A</u>
Field ID <u>G1SW0073</u>	Time: <u>1330</u>	STORET <u>G1SW0073</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh, Surface</u>		Diss. Oxygen <u>6.2</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET # <u>G1SW0073</u>	Dosson Lake		Temp (C) <u>27.9</u>	pH <u>6.08</u>	Sample Depth <u>>4</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>103.7</u>
Latitude <u>28.1231</u>	☒ dd ☐ dms	Longitude <u>-82.52553056</u>	☒ dd ☐ dms	Salinity (ppt)	Comments		
Location <u>Sunshine Lake</u>	RQ-2017-08-28-14 Date: <u>8/29/17</u>	Field ID <u>G1SW0072</u>	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>8/29/17</u> Time <u>1400</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) <u>A</u>
Field ID <u>G1SW0072</u>	Time: <u>1400</u>	STORET <u>G1SW0072</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh, Surface</u>		Diss. Oxygen <u>6.49</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET # <u>G1SW0072</u>	Sunshine Lake		Temp (C) <u>29.4</u>	pH <u>6.18</u>	Sample Depth <u>>4</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>109.2</u>
Latitude <u>28.11981111</u>	☒ dd ☐ dms	Longitude <u>-82.52588056</u>	☒ dd ☐ dms	Salinity (ppt)	Comments		
Location			☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #			Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments		

Relinquished By: <u>Sarah Panek</u>	Date/Time <u>8/29/17/1530</u>	Shipping Method <u>FedEx</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>G.D.</u>	Date/Time <u>8/30/17 10:29</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 17	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>3</u>
	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	<u>3</u>
	CHLSUITE-W						

Group: A	Bottle Type:	P-500ML	# of Bottles: 17	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>3</u>
	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	<u>3</u>
	W-PO4-F						

From Please print and press hard.

Date **8-29-17** Sender's FedEx Account Number

Sender's Name Phone **(813) 470-5700**

Company **FDEP**

Address **13051 N. TELECOM PKWY**

City **TEMPLE TERRACE** State **FL** ZIP **33637**

Your Internal Billing Reference

To Recipient's Name **SAMPLE RECEIVING** Phone **(850) 245-8085**

Company **FLORIDA DEP/CHEMISTRY SECTION**

Address **2600 BLAIRSTONE RD**

City **TALLAHASSEE** State **FL** ZIP **32399-6542**

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4 Express Package Service *To most locations.

Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

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5 Packaging *Declared value limit \$500.

- ☐ FedEx Envelope*
- ☐ FedEx Pak*
- ☐ FedEx Box
- ☐ FedEx Tube
- ☒ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

- ☐ Saturday Delivery
- ☐ No Signature Required
- ☐ Direct Signature
- ☐ Indirect Signature

Does this shipment contain dangerous goods?

- ☒ No
- ☐ Yes
- ☐ Dry Ice
- ☐ Cargo Aircraft Only

7 Payment Bill to:

- ☐ Sender
- ☒ Recipient
- ☐ Third Party
- ☐ Credit Card
- ☐ Cash/Check

Total Packages **1** Total Weight **50** lbs. Total Declared Value*

*Your liability is limited to US\$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.

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Date **8-29-17** Sender's FedEx Account Number

Sender's Name Phone **(813) 470-5700**

Company **FDEP**

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0126430468

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