



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Lake Tilden @ 225m S of Center(2875B)

Date: 02/5/2018

WIN/ Field ID: G1CE0090

WBID: 2875B

Latitude: 28.51800227

(mm/dd/yyyy)

County: Orange

ORG ID: 21 FL CEN

Longitude: -81.59341368

(Decimal Degrees)

(Decimal Degrees)

Receiving Body of Water:

RQ-2018- 02-05-68

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Leif Bowman Katie Williams									☒ Sample Container	☐ Van Dorn	☐ Pole	
									☐ Carboy	☒ Syringe		
									☐ Dipper	☐ Other		
									Depth Measured with SECCHI DISK LINE			
									Equipment ID			
									Collection Method			
									☐ Wading	☐ Canoe/Kayak		
									☐ From Shore	☐ Electric Motor		
									☐ Other	☒ Gasoline Motor		
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded				Meter ID# BOOP/NA Betty/67				Matrix: <u>Fresh</u> Marine / DI				
Photos: Yes <u>No</u>				Flow: No Flow / Intestinal / Flowing <u>NA</u>				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 (µmhos/cm)	Temp. (C°)		
EST	1335	2.7	0.3	0.4	9.08	97.7	7.02	0.10	212	18.75		
CEN			2.2		8.99	94.7	7.00	0.10	212	17.72		
Biological Samples Collected: <u>None</u> 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	SA7275010	10/18	☒ <2				
Metals	☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3	NA7261120	9/18	☒ <2				
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice	9743729						
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-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: Take 408 West to Turnpike north, then take 429 South. Take exit onto Winter Garden-Vineland (CR 535) and turn right. Take immediate left to stay on CR 535 and make left onto County Estate Drive. Boat ramp is in the back of the subdivision. (Combo to lock is currently 1122). Due to construction, may be easier to take Daniels Rd to Roper west, then south onto CR535. George Munson at 407-877-8347. Tilden is through the canal to the south (to the left) of the launch canal.

WIN ID / Field ID →

Lake Tilden @ 225m
S of Center (2875B)



G1CE0090

Signature: *Katie Williams*

Date: 2/5/18

Enter Field Parameters, Verify Station ID In LIMS DMT: *Kmw 2/13/18*

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Field Report Prepared By:

Collected By:

Sampling Agency:

Location	WIN ID / Field ID →		Collection (comp, begin or grab)		Eastern Composite end		Bottle Group(s)
Field ID	Mirror Lake @ Center of North Lobe (2868A)		Date	2/5/18	Time	1105	(See pg 2)
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	10.96	
Latitude	dd Longitude dms		Temp (C)	17.40	pH	7.23	
			Salinity (ppt)	0.07	Sample Depth	0.3	B
Location	WIN ID / Field ID →		Collection (comp, begin or grab)		Eastern Composite end		Bottle Group(s)
Field ID	Lake Felter @ Center (2868B)		Date	2/5/18	Time	1155	
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	9.30	
Latitude	dd Longitude dms		Temp (C)	17.06	pH	6.73	
			Salinity (ppt)	0.06	Sample Depth	0.3	B
Location	WIN ID / Field ID →		Collection (comp, begin or grab)		Eastern Composite end		Bottle Group(s)
Field ID	Lake Tilden @ 140m NW of Center (2875B)		Date	2/5/18	Time	1308	
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	8.88	
Latitude	dd Longitude dms		Temp (C)	18.12	pH	6.94	
			Salinity (ppt)	0.10	Sample Depth	0.3	A
Location	WIN ID / Field ID →		Collection (comp, begin or grab)		Eastern Composite end		Bottle Group(s)
Field ID	Lake Tilden @ 165m NE of Center (2875B)		Date	2/5/18	Time	1315	
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	9.02	
Latitude	dd Longitude dms		Temp (C)	17.60	pH	6.97	
			Salinity (ppt)	0.10	Sample Depth	0.3	A

Relinquished By:

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

Kullman
 2/5/18 1600
 FedEx
 2
 Kullman
 2/6/18/9150

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					4
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CD-FLR-ECQ					4
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					4
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					4
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					4
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					4
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					2
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					

to Flowers

Group: B	Bottle Type: P-250ML-WI-THI CD-FLR-ECQ	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2 to Howard
Group: B	Bottle Type: BP-1L CHLSUITE-W	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	# of Bottles: 2	Preservative: ICE And H2SO4		Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 2	Preservative: FILTER-ICE		Enter Number of Bottles Sent to Lab	2

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Mirror / Felter / Tilden X4

last revised Jan 3, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: Katie Williams

Project ID: SMP

Collected By: Leif BomanSampling Agency: 21 FREN

Location
Field ID
WIN/STORE

WIN ID / Field ID →

Lake Tilden @ 150m
SE of Center (2875B)



G1CE0089

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Location
Field ID
WIN/STORE

WIN ID / Field ID →

Lake Tilden @ 225m
S of Center (2875B)



G1CE0090

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Location

Field ID

WIN/STORE #

Latitude

☐ dd ☐ dms Longitude ☐ dd ☐ dms

Location

Field ID

WIN/STORE #

Latitude

☐ dd ☐ dms Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab	Collection (comp begin or grab) Date <u>2/5/18</u> Time <u>1330</u>	Composite end Date <u>2/5/18</u> Time <u>1330</u>		Bottle Group(s) (See pg 2)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>9.27</u>	Total Res. Chlorine (mg/L) <u>---</u>	A
Temp (C) <u>18.22</u>	pH <u>7.05</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>212</u>	
Salinity (ppt) <u>0.10</u>	Comments			

☐ Comp ☐ Grab	Collection (comp begin or grab) Date <u>2/5/18</u> Time <u>1335</u>	Composite end Date <u>2/5/18</u> Time <u>1335</u>		Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>9.08</u>	Total Res. Chlorine (mg/L) <u>---</u>	A
Temp (C) <u>18.75</u>	pH <u>7.02</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>212</u>	
Salinity (ppt) <u>0.10</u>	Comments			

☐ Comp ☐ Grab	Collection (comp begin or grab) Date <u>2/5/18</u> Time <u>1335</u>	Composite end Date <u>2/5/18</u> Time <u>1335</u>		Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>9.08</u>	Total Res. Chlorine (mg/L) <u>---</u>	A
Temp (C) <u>18.75</u>	pH <u>7.02</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>212</u>	
Salinity (ppt) <u>0.10</u>	Comments			

☐ Comp ☐ Grab	Collection (comp begin or grab) Date <u>2/5/18</u> Time <u>1335</u>	Composite end Date <u>2/5/18</u> Time <u>1335</u>		Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>9.08</u>	Total Res. Chlorine (mg/L) <u>---</u>	A
Temp (C) <u>18.75</u>	pH <u>7.02</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>212</u>	
Salinity (ppt) <u>0.10</u>	Comments			

Relinquished By: <u>Katie Williams</u>	Date/Time: <u>2/5/18 1600</u>	Shipping Method: <u>FedEx</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>SP</u>	Date/Time: <u>2.6.18 4:50</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					4
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CD-FLR-ECQ					4 to 10000
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					4
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					4
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					4
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					4
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					2
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					

Group: B	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2 to <u>Flower</u>
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	ICE	Enter Number of Bottles Sent to Lab	2



CONTRACT LAB - CHAIN OF CUSTODY

Client Name:
Address:
Project Manager:
E-Mail:
Telephone Number:

Department of Environmental Protection
3319 Maguire Blvd Suite 232, Orlando, FL 32803
Natalie Ayala / Michael Linger / Kalina Warren
Michael.Linger@dep.state.fl.us
(407) 897-4100

Project Name:

SMP

Project Number:

RQ-2018-02-05-68

Site Location:

Lakes Tilden, Mirror, Felter

Contract/PO #

Flowers Lab - B16975

Sampler Names:

Katie Williams

Signature:

K Williams

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative				Matrix				Analyze For:		
							ICE	HCL	HNO3	NONE	Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coll (ECC)	Enterococci (ENQ)	Fecal Coliform (FC)
G1CE0041		2/5/18	1105	1	X		X							X	X		
G1CE0042		2/5/18	1155	1	X		X							X	X		
G1CE0087		2/5/18	1308	1	X		X							X	X		
G1CE0088		2/5/18	1315	1	X		X							X	X		
G1CE0089		2/5/18	1330	1	X		X							X	X		
G1CE0090		2/5/18	1335	1	X		X							X	X		

Special Instructions:

Samples are ambient water and not suspected to contain chlorine

Relinquished by:	2/5/18	1440	Received by:	2/5	1440	Comments
Relinquished by:			Received by:			Temp Upon Receipt: 3°C
						Sample Containers Intact? ☒ Y ☐ N