FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified? Yes / No

WIN Station Name: Lake Tilden @ 150m SE of Center(2875B) **Date:** 4/5/2018 (mm/dd/yyyy)

WIN/ Field ID: G1CE0089 **WBID:** 2875B **Latitude:** 28.51970966 (Decimal Degrees)

County: Orange **ORG ID:** 21 FL CEN **Longitude:** -81.59215663 (Decimal Degrees)

Receiving Body of Water: **RQ-2018-** 04-02-54

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
TERRY RIORDAN		✓	✓		✓
KATIE WILLIAMS	✓		✓		

Sampling Equipment
- ☑ Sample Container ☐ Van Dorn ☐ Pole
- ☐ Carboy ☑ Syringe
- ☐ Dipper ☐ Other
- Depth Measured with: SECCHI DISK LINE
- Equipment ID: KNOT HEAD

Collection Method
- ☐ Wading ☐ Canoe/Kayak
- ☐ From Shore ☐ Electric Motor
- ☐ Other ☑ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded **Meter ID#** BETTY / 67 **Matrix:** Fresh / Marine / DI

Photos: Yes / No **Flow:** No Flow / Intestital / Flowing / NA **Tide:** Rising/ Falling/ Slack/ NA **Tide Times:** High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1018	2.8	0.3	0.5	7.53	89.2	7.30	0.11	225	23.80
CEN			2.3		4.50	50.8	6.94	0.11	227	21.40

Biological Samples Collected: None 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 ☑ H_2SO_4	SA7341020	12/7/2018	☑ <2
Metals	☑ W-ICPMS ☑ W-ICP	☑ Ice ☑ HNO_3	NA7341010	12/7/2018	☑ <2
Filtered Nutrients	☑ W-PO4-F ☑ Field Filtered 0.45 µm Filter	☑ Ice	13615055		
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	☑ 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 ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Place Preservative Sticker(s) Here (If Available)

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 @ 150m
SE of Center (2875B)

G1CE0089

Signature: KWilliams **Date:** 4/5/18

Enter Field Parameters, Verify Station ID In LIMS DMT: KMW 4/10/18 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** JA 4/11/18 (Initials/Date)

Scan/Save Field Sheets (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data In WIN:** (Initials/Date)

Request Number: RQ-2018-04-02-54

Tilden X4 / Starke + D&B

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Project ID: SMP

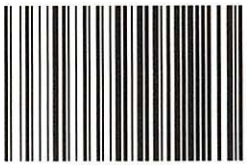
Requester: Michael Linger

Collected By: T Riordan, K. Williams

Field Report Prepared By: K. Williams

Sampling Agency: DIFCEN

Location: WIN ID / Field ID → Lake Tilden @ 140m NW of Center (2875B)



Field ID:

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

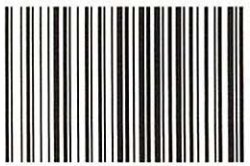
☐ Comp ☑ Grab | Collection (comp begin or grab) Date 4/5/18 Time 1000 (Eastern / Central) | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.17 ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.57 | pH 7.21 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 226

Salinity (ppt) 0.11 | Comments

Location: WIN ID / Field ID → Lake Tilden @ 165m NE of Center (2875B)



Field ID:

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

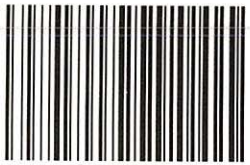
☐ Comp ☑ Grab | Collection (comp begin or grab) Date 4/5/18 Time 1010 (Eastern / Central) | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.53 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.83 | pH 7.32 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 226

Salinity (ppt) 0.11 | Comments

Location: WIN ID / Field ID → Lake Tilden @ 150m SE of Center (2875B)



Field ID:

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

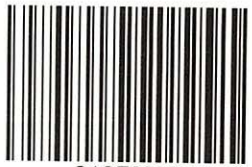
☐ Comp ☑ Grab | Collection (comp begin or grab) Date 4/5/18 Time 1018 (Eastern / Central) | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.53 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.80 | pH 7.30 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 225

Salinity (ppt) 0.11 | Comments

Location: WIN ID / Field ID → Lake Tilden @ 225m S of Center (2875B)



Field ID:

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 4/5/18 Time 1025 (Eastern / Central) | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.55 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.87 | pH 7.31 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 223

Salinity (ppt) 0.10 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
K Williams	4/5/18 1600	FedEx	2		4/6/18 9:50

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY 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	4 to Flowers
	CD-FLR-ECQ						
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	4
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3 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	4
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						

Request Number: RQ-2018-04-02-54

Tilden X4 / Starke + D&B

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Collected By: T. Riordan, K. Williams

Field Report Prepared By: K. Williams

Sampling Agency: FLECEN

WIN ID / Field ID → Lake Starke @ Center (3002D)

G2CE0094

Location	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/5/18 Time 1115	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)					
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 10.85	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	B					
WIN/STORET #	Temp (C) 24.26	pH 9.18	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 264						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.12	Comments								

Field ID → G2CE0094_DUP
WIN → G2CE0094
Location → Lake Starke @ Center (30002D)

Location	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/5/18 Time 1120	Eastern 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)	C					
WIN/STORET	Temp (C)	pH	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								

Field ID → Field Blank, Location/DI source, Washroom

BLANK_04052018

Location	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/5/18 Time 1130	Eastern Central	Composite end Date	Time	Bottle Group(s)					
Field ID	Matrix (type, e.g., Salt, Fresh, etc) DI water		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	D					
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								

Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern 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)						
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
K. Williams	4/5/18 1600	FedEx	2		4/6/18 9:50

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY 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					
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3 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					
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					

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

Group: D	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						

Group: D	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						

Group: D	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						

CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Natalie Ayala / Michael Linger / Kalina Warren
E-Mail: Michael.Linger@dep.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP
Project Number: RQ- 2018-04- 02-54
Site Location: Tilden & Starke

Contract/PO # Flowers Lab - B16975
Sampler Names: T. Riordan, K. Williams
Signature: K Williams

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative: ICE	HCL	HNO3	NONE	Matrix: Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Analyze For: Enterococci (ENQ)	Fecal Coliform (FC)	
G1CE0087		4/5/18	1000	1	X		X							X	X			
G1CE0088		4/5/18	1010	1	X		X							X	X			
G1CE0089		4/5/18	1018	1	X		X							X	X			
G1CE0090		4/5/18	1025	1	X		X							X	X			
G2CE0094		4/5/18	1115	1	X		X							X	X			
G2CE0094-DUP		4/5/18	1120	1	X		X							X	X			

Special Instructions:
Samples are ambient water and not suspected to contain chlorine

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
K Williams	4/5/18	1210	Robert Cayard	4/5/18	12:26	Temp Upon Receipt 0.5°C
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact? (Y) N