



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: LK Tilden @ 140m NW of Center

Date: 2/12/18

WIN/ Field ID: G1CE0087

WBID: 2875B Latitude: 28.52033685

County: Orange

ORG ID: 21 FL CEN Longitude: -81.59509504

Receiving Body of Water: _____

RQ-2018-02-12-56

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Leif Boman									
Katie Williams									

Sampling Equipment				
☒ Sample Container	☐ Van Dorn	☐ Pole		
☐ Carboy	☒ Syringe			
☐ Dipper	☐ Other			
Depth Measured with <u>SEECHE DISK LINE</u>				
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# <u>Betty 67</u>					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	1128	2.1	0.3	0.5	8.01	92.2	7.00	0.10	215	22.35
CEN			1.6		7.43	86.4	6.92	0.10	216	21.53

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	SA7341020	12/18	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☐ HNO3	NA7341010	12/18	☒ <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-CI-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			

Contains: 1:1 H2SO4
Lot No.: SA7341020
Expires: 12/07/18
See Safety Data Sheet (SDS)

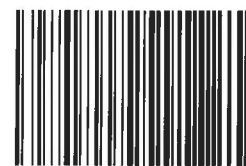
Contains: 1:1 Nitric Acid
Lot No.: 7341010
Expires: 12/17/18
See Safety Data Sheet (SDS)

Notes:

A

WIN ID / Field ID →

Lake Tilden @ 140m
NW of Center (2875B)



G1CE0087

Signature: _____

Date: 2/12/18

Enter Field Parameters, Verify Station ID in LIMS DMT: Km W 2/13/18

QC Station ID, Field Parameters in LIMS DMT: _____

Scan/Save Field Sheets

Migrate Data to WIN: _____

Verify Data in WIN: _____

(Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)

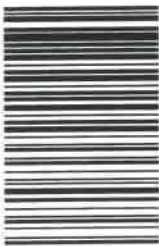
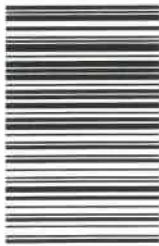
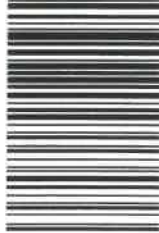
Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Collected By: U.S. RomanField Report Prepared By: Katie WilliamsSampling Agency: 21Frien

Location	WIN ID / Field ID →		Longitude		Latitude	
Field ID	Lake Dot @ Center (2997Q)		☐ dd ☐ dms		☐ dd ☐ dms	
WIN/STORET #						
						
G2CE0067						
Location	WIN ID / Field ID →		Longitude		Latitude	
Field ID	Lake McCoy @ 220m SW of Center of Southern Lobe (2993C)		☐ dd ☐ dms		☐ dd ☐ dms	
WIN/STORET #						
						
G2CE0144						
Location	WIN ID / Field ID →		Longitude		Latitude	
Field ID	Lake McCoy @ 245m NE of Center of Southern Lobe (2993C)		☐ dd ☐ dms		☐ dd ☐ dms	
WIN/STORET #						
						
G2CE0145						
Location	WIN ID / Field ID →		Longitude		Latitude	
Field ID	Lake McCoy @ Center of North Lobe (2993C)		☐ dd ☐ dms		☐ dd ☐ dms	
WIN/STORET #						
						
G2CE0171						

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/12/18</u> Time <u>9:37</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>10.66</u>	Diss. Oxygen <u>10.66</u>	Total Res. Chlorine <u>---</u>	Composite end Date <u>2/12/18</u> Time <u>9:37</u>	Eastern ☐ Central ☒	Bottle Group(s) (See pg 2)
Temp (C) <u>22.09</u>	pH <u>7.57</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>221</u>				<u>C</u>
Salinity (ppt) <u>0.10</u>	Comments						
☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/12/18</u> Time <u>13:10</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>7.15</u>	Diss. Oxygen <u>7.15</u>	Total Res. Chlorine <u>---</u>	Composite end Date <u>2/12/18</u> Time <u>13:10</u>	Eastern ☐ Central ☒	Bottle Group(s) (See pg 2)
Temp (C) <u>23.26</u>	pH <u>7.00</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>190</u>				<u>A</u>
Salinity (ppt) <u>0.08</u>	Comments						
☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/12/18</u> Time <u>13:15</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>7.88</u>	Diss. Oxygen <u>7.88</u>	Total Res. Chlorine <u>---</u>	Composite end Date <u>2/12/18</u> Time <u>13:15</u>	Eastern ☐ Central ☒	Bottle Group(s) (See pg 2)
Temp (C) <u>23.69</u>	pH <u>7.17</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>179</u>				<u>A</u>
Salinity (ppt) <u>0.08</u>	Comments						
☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/12/18</u> Time <u>13:28</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>7.29</u>	Diss. Oxygen <u>7.29</u>	Total Res. Chlorine <u>---</u>	Composite end Date <u>2/12/18</u> Time <u>13:28</u>	Eastern ☐ Central ☒	Bottle Group(s) (See pg 2)
Temp (C) <u>23.71</u>	pH <u>7.09</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>184</u>				<u>A</u>
Salinity (ppt) <u>0.09</u>	Comments						

Relinquished By: Katie WilliamsDate/Time: 2/12/18 1600Shipping Method: Fed ExNumber of Coolers Shipped: 4Received By: Tyler R.Date/Time: 02/13/18 0925

Group: A	Bottle Type:	P-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab	9
	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: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab	9 to Flow
	CD-FLR-ECQ						
Group: A	Bottle Type:	BP-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab	9
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 9	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	9
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 9	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	9
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 9	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	9
	W-PO4-F						
Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-AHERB-AA						
	W-GLYPH						
	W-PYR-AA-R						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: B	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
	W-CARB-AA						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4

Group: B	Bottle Type: W-CT-CI-R W-PCL-SQ-R	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
Group: C	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 to Flawed
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1

Group: D	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
Group: D	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
Group: D	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
Group: E	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0

McCoy X4 / Hope / Kasey X2 / Dot X2 / Tilden X4

Requester: Michael Linger

Field Report Prepared By:

Collected By:

Let Bowen

Sampling Agency:

Location	WIN ID / Field ID →		dd Longitude dms		dd Longitude dms		dd Longitude dms		dd Longitude dms	
Field ID	Lake Tilden @ 140m NW of Center (2875B)									
WIN/STORE										
Latitude	G1CE0087									
Location	WIN ID / Field ID →		dd Longitude dms		dd Longitude dms		dd Longitude dms		dd Longitude dms	
Field ID	Lake Tilden @ 165m NE of Center (2875B)									
WIN/STORE										
Latitude	G1CE0088									
Location	WIN ID / Field ID →		dd Longitude dms		dd Longitude dms		dd Longitude dms		dd Longitude dms	
Field ID	Lake Tilden @ 150m SE of Center (2875B)									
WIN/STORE										
Latitude	G1CE0089									
Location	WIN ID / Field ID →		dd Longitude dms		dd Longitude dms		dd Longitude dms		dd Longitude dms	
Field ID	Lake Tilden @ 225m S of Center (2875B)									
WIN/STORE										
Latitude	G1CE0090									

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 9	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 9	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 9	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-AHERB-AA W-GLYPH W-PYR-AA-R W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-CARB-AA	BG-1L	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Collected By: Leaf BowmanField Report Prepared By: Kathie WilliamsSampling Agency: 21FICEN

Location	WIN ID / Field ID →	Collection (comp begin or grab)	Comp Date	Time	Eastern	Composite end	Bottle Group(s)
Field ID	Lake McCoy @ Center of Southern Lobe (2993C)	☒ Comp	2/13/18	1303	☒ Central		
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)					
Latitude		Temp (C)	23.40	pH	7.06	Diss. Oxygen	7.47
Longitude		Salinity (ppt)	0.08	Sample Depth	0.3	Total Res. Chlorine (mg/L)	
Comments						Sp. Conductance (umho/cm)	179
Location	WIN ID / Field ID →	Collection (comp begin or grab)	Comp Date	Time	Eastern	Composite end	Bottle Group(s)
Field ID	Kasey Lake @ Center (3002Q)	☒ Comp	2/13/18	1020	☒ Central		
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)					
Latitude		Temp (C)	22.78	pH	7.19	Diss. Oxygen	9.91
Longitude		Salinity (ppt)	0.05	Sample Depth	0.3	Total Res. Chlorine (mg/L)	
Comments						Sp. Conductance (umho/cm)	104
Location	WIN ID / Field ID →	Collection (comp begin or grab)	Comp Date	Time	Eastern	Composite end	Bottle Group(s)
Field ID		☒ Comp			☒ Central		
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)					
Latitude		Temp (C)		pH		Diss. Oxygen	
Longitude		Salinity (ppt)		Sample Depth		Total Res. Chlorine (mg/L)	
Comments						Sp. Conductance (umho/cm)	
Location	WIN ID / Field ID →	Collection (comp begin or grab)	Comp Date	Time	Eastern	Composite end	Bottle Group(s)
Field ID		☒ Comp			☒ Central		
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)					
Latitude		Temp (C)		pH		Diss. Oxygen	
Longitude		Salinity (ppt)		Sample Depth		Total Res. Chlorine (mg/L)	
Comments						Sp. Conductance (umho/cm)	
Location	WIN ID / Field ID →	Collection (comp begin or grab)	Comp Date	Time	Eastern	Composite end	Bottle Group(s)
Field ID		☒ Comp			☒ Central		
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)					
Latitude		Temp (C)		pH		Diss. Oxygen	
Longitude		Salinity (ppt)		Sample Depth		Total Res. Chlorine (mg/L)	
Comments						Sp. Conductance (umho/cm)	

Relinquished By: Kathie WilliamsDate/Time: 2/13/18 1600Shipping Method: FedExNumber of Coolers Shipped: 4Received By: Tyler R.Date/Time: 02/13/18 @ 9:25

Group: A	Bottle Type:	P-1L	# of Bottles: 9	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: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CD-FLR-ECQ					
Group: A	Bottle Type:	BP-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 9	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 9	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: 9	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					
Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-AHERB-AA					
	W-GLYPH					
	W-PYR-AA-R					
	W-SUC-AA-R					
	W-UHERB-AA					
Group: B	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab
	W-CARB-AA					
Group: B	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab



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-2018-02-12-56

Site Location:

Tilden, McLaughlin, Kasey
Katie Wilkins Signature: *[Signature]*

Contract/PO # Flowers Lab - B16975

Sampler Names:

Jeff Bonamy, Katie Wilkins

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 Coli (ECQ)	Enterococci (ENQ)	Fecal Coliform (FC)
GZCE0171		2/12/18	1328	1	X		X							X			
GZCE0145		2/12/18	1315	1	X		X							X			
GZCE0098		2/12/18	1303	1	X		X							X			
GZCE0144		2/12/18	1310	1	X		X							X			
GZCE0067		2/12/18	937	1	X		X							X			
GZCE0090		2/12/18	1155	1	X		X							X			
GZCE0011		2/12/18	1020	1	X		X							X			
GZCE0099		2/12/18	1145	1	X		X							X			

Special Instructions:

Samples are ambient water and not suspected to contain chlorine

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
Katie Wilkins	2/12/18	1442	MM / FL	2/12	1443	Temp Upon Receipt: 80C
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact?
						Y N



Sample Containers Intact?