



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / (No)

WIN Station Name: Lake Winnemissett @ 375m N of Center Date: 4/9/18

WIN/ Field ID: G2CE0185 WBID: 295131 Latitude: 29.026154

County: Volusia ORG ID: 21 FL CEN Longitude: -81.250049

Receiving Body of Water: _____ RQ-2018- 04-01-44

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>Leif Boman</u> <u>Kate Williams</u>									

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>SECCHI DISK LINE</u>		
Equipment ID <u>Knorker</u>		

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

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

Photos: Yes / No Flow: No Flow / Intestinal / 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 (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
<u>EST</u>	<u>1103</u>	<u>7.0</u>	<u>0.3</u>	<u>5.3</u>	<u>9.20</u>	<u>107.9</u>	<u>6.94</u>	<u>0.09</u>	<u>183</u>	<u>23.37</u>
<u>CEN</u>			<u>6.5</u>		<u>8.37</u>	<u>95.5</u>	<u>6.31</u>	<u>0.09</u>	<u>181</u>	<u>21.88</u>

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 ☒ H2SO4	<u>SA7341020</u>	<u>12/7/18</u>	☒ <2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☐ HNO3	<u>NA7341010</u>	<u>12/7/18</u>	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	<u>13615055</u>		
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	☐ ME-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 Sulfuric Acid
Lot No.: SA7233030
Expires: 08/21/18
See Safety Data Sheet (SDS)

THEMNO FIELD SCIENTIFIC
3333 N. W. 11th Ave., Suite 100
Fort Lauderdale, FL 33311
1-800-828-2211
Contains 1:1 Sulfuric Acid
Lot No.: SA7233030
Expires: 08/21/18
See Safety Data Sheet (SDS)

Notes: _____

WIN ID / Field ID → Lake Winnemissett @ 375m North of Center (2931)

Signature: Williams Date: 4/9/18

Enter Field Parameters, Verify Station ID in LIMS DMT: kw 4/17/18 QC Station ID, Field Parameters in LIMS DMT: 72 4/19/18

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data in WIN: _____

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Collected By: L. Benan, K. WilliamsField Report Prepared By: K. WilliamsSampling Agency: 21FREN

Location	WIN ID / Field ID →										Bottle Group(s)
Field ID	Lake Winnemissett										(See pg 2)
WIN/STORET	@ 375m North of Center										
Latitude	☐ dd ☐ dms ☐ Longitude										
Location	WIN ID / Field ID →										Bottle Group(s)
Field ID	Lake Winnemissett										
WIN/STORET	@ Center										
Latitude	☐ dd ☐ dms ☐ Longitude										
Location	WIN ID / Field ID →										Bottle Group(s)
Field ID	Lake Winnemissett										
WIN/STORET	@ 350m South of Center										
Latitude	☐ dd ☐ dms ☐ Longitude										
Location	WIN ID / Field ID →										Bottle Group(s)
Field ID	Three Island Lake @										
WIN/STORET	Center of S Lobe (2938)										
Latitude	☐ dd ☐ dms ☐ Longitude										

☐ Comp Grab	Collection (comp begin or grab)	Date	Time	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Sample Depth	pH	Salinity (ppt)	Temp (C)	Comments	Eastern Central	Composite end Date	Total Res. Chlorine (mg/L)	Sp. Conductance (umho/cm)	Bottle Group(s)
☒		4/9/18	1103		9.20	0.3	6.94	0.09	23.37					183	A
☐ dd ☐ dms ☐ Longitude															

☐ Comp Grab	Collection (comp begin or grab)	Date	Time	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Sample Depth	pH	Salinity (ppt)	Temp (C)	Comments	Eastern Central	Composite end Date	Total Res. Chlorine (mg/L)	Sp. Conductance (umho/cm)	Bottle Group(s)
☒		4/9/18	1113		9.28	0.3	6.91	0.09	23.36					183	A
☐ dd ☐ dms ☐ Longitude															

☐ Comp Grab	Collection (comp begin or grab)	Date	Time	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Sample Depth	pH	Salinity (ppt)	Temp (C)	Comments	Eastern Central	Composite end Date	Total Res. Chlorine (mg/L)	Sp. Conductance (umho/cm)	Bottle Group(s)
☒		4/9/18	1124		9.38	0.3	6.96	0.09	23.52					182	A
☐ dd ☐ dms ☐ Longitude															

☐ Comp Grab	Collection (comp begin or grab)	Date	Time	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Sample Depth	pH	Salinity (ppt)	Temp (C)	Comments	Eastern Central	Composite end Date	Total Res. Chlorine (mg/L)	Sp. Conductance (umho/cm)	Bottle Group(s)
☒		4/9/18	1230		7.52	0.3	6.02	0.06	23.99					133	A/B
☐ dd ☐ dms ☐ Longitude															

Relinquished By: K. Williams

Date/Time

Shipping Method

Number of Coolers Shipped: 3Received By: Tyler Reynolds

Date/Time

04/10/18 @ 10:05

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 Flowline
	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:	BG-500ML	# 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
	W-CT-Cl-R						
	W-PCL-SQ-R						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI						
	W-E8321-MS						

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Field Report Prepared By: *K Williams*Collected By: *L Boman, K Williams*Sampling Agency: *ZIFREN*

Location	WIN ID / Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	Lake Marie @ Center (2951)		Date 4/9/18 Time 1325		Date		(See pg 2)
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine		
Latitude	dd	Longitude	Temp (C) 24.74 pH 7.51		ft Sp. Conductance		D
	dd	dms	Salinity (ppt) 0.14		(umho/cm) 0.3		
Location	WIN ID / Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	Lake Gleason @ Center (2893G)		Date 4/9/18 Time 1400		Date		C
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine		
Latitude	dd	Longitude	Temp (C) 24.88 pH 7.59		ft Sp. Conductance		
	dd	dms	Salinity (ppt) 0.09		(umho/cm) 0.3		
Location	WIN ID / Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID			Date		Date		
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine		
Latitude	dd	Longitude	Temp (C)		ft Sp. Conductance		
	dd	dms	Salinity (ppt)		(umho/cm)		
Location	WIN ID / Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID			Date		Date		
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine		
Latitude	dd	Longitude	Temp (C)		ft Sp. Conductance		
	dd	dms	Salinity (ppt)		(umho/cm)		

Relinquished By: <i>K Williams</i>	Date/Time: 4/9/18 1600	Shipping Method: FedEx	Number of Coolers Shipped: 3	Received By: <i>Sylvia Pym</i>	Date/Time: 04/10/18 10:08
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Field Report Prepared By: V WilliamsCollected By: L. Bowman, K. WilliamsSampling Agency: Z. Fleen

Location		WIN ID / Field ID →		G2CE0084		Bottle Group(s) (See pg 2)	
Field ID		Lake Marie @ Center (2951)				D	
WIN/STORET #							
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms				
Location		WIN ID / Field ID →		G2CE0114		Bottle Group(s)	
Field ID		Lake Gleason @ Center (2893G)				C	
WIN/STORET #							
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms				
Location		WIN ID / Field ID →				Bottle Group(s)	
Field ID							
WIN/STORET #							
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms				
Location		WIN ID / Field ID →				Bottle Group(s)	
Field ID							
WIN/STORET #							
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms				

Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
Comp	Grab	Date	Time	Date	Time		
☐	☒	4/9/18	1325	☒	8.42	D	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine			
Temp (C)		pH		Sp. Conductance (umho/cm)			
Salinity (ppt)		Comments					
☐	☒	24.74	7.51	☒	0.3	334	
Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
Comp	Grab	Date	Time	Date	Time		
☐	☒	4/9/18	1400	☒	8.41	C	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine			
Temp (C)		pH		Sp. Conductance (umho/cm)			
Salinity (ppt)		Comments					
☐	☒	24.88	7.59	☒	0.3	195	
Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
Comp	Grab	Date	Time	Date	Time		
☐	☒	4/9/18	1400	☒	8.41	C	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine			
Temp (C)		pH		Sp. Conductance (umho/cm)			
Salinity (ppt)		Comments					
☐	☒	24.88	7.59	☒	0.3	195	
Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
Comp	Grab	Date	Time	Date	Time		
☐	☒	4/9/18	1400	☒	8.41	C	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine			
Temp (C)		pH		Sp. Conductance (umho/cm)			
Salinity (ppt)		Comments					
☐	☒	24.88	7.59	☒	0.3	195	

Relinquished By: <u>V Williams</u>	Date/Time: <u>4/9/18 1600</u>	Shipping Method: <u>FedEx</u>	Number of Coolers Shipped: <u>3</u>	Received By: <u>Hylen Reynolds</u>	Date/Time: <u>04/10/18 10:08</u>
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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: BG-500ML	# 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
W-CT-Cl-R W-PCL-SQ-R					
Group: B	Bottle Type: BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
W-E8321-DI W-E8321-MS					

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 Floures
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: 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	
Group: D	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	
Group: D	Bottle Type: P-250ML-WI-THI	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	

Group: D	Bottle Type: P-250ML-WI-THI CD-FLR-ECQ	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1 to Florida
Group: D	Bottle Type: BP-1L CHLSUITE-W	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: QPCR-P-250ML PCR-FILTER	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: D	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: D	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: D	Bottle Type: P-125ML W-PO4-F	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1



CONTRACT LAB - CHAIN OF CUSTODY

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 Number: RQ-2018-07-44

Site Location: Living with Seth, Gageon, Maier,
Three Island

Contract/PO # Flowers Lab - B16975

Sampler Names: K. Williams

Signature:

[illegible]

Special Instructions:

Samples are ambient water and not suspected to contain chlorine

Relinquished by:

Relinquished by: Kelene

Date	Time
------	------

Received by:

red by: *mm / 12*

Date _____

Time 4:44

[illegible]

Comments	Temp	Upon Receipt
		1940

Sample Containers Intact?