

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID:

YES DESE

RQ:

202052307

Project:

Crescent Meadows

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. P. M.	3/25/20	720	21.9	758.5	8.7	8.7	99.9	-	1.05	P/F	L/F
ICV	J	2	721	21.9	758.5	8.7	8.74	99.8	-	1.05	P/F	L/F
CCV	J. P. M.	3/25/20	720	23.5	757	8.5	8.48	99.9	-	1.05	P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	J. P. M.	3/25/20	722	191018	10/20	1000	1000	P/F	L/F
ICV	J	2	723	190711A	7/20	100	103.5	P/F	L/F
CCV	J. P. M.	3/25/20	1511	190711A	7/20	100	103.5	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. P. M.	3/25/20	725	2911819	10/21	7.	23.7	7.01	74.5	P/F	L/F
Calibr.	J		726	2910629	10/21	4.	23.7	4.00	135.3	P/F	L/F
Calibr.	J		727	2912629	5/21	10.	23.7	10.02	216.5	P/F	L/F
ICV	J		728	2910629	10/21	4.0	23.7	4.03	132.6	P/F	L/F
CCV	J. P. M.	3/25/20	1515	2911819	10/21	7.0	24.0	7.05	74.3	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	J. P. M.	3/25/20	730	0.00	0.00	P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Collected By: Kimberly Appleby & Jeremy Parrish
Field Report Prepared By: K. Appleby
Sampling Agency: EDEP NE ROL

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

Meter Passed End
of Day CCV
Yes / No

Station name: Silverlake Cotte & Oldus 17
WIN Station Name: Silverlake Cotte & Oldus 17

Date: 3/25/2020
(mm/dd/yyyy)

WIN/ Field ID: _____

WBID: 2623A

Latitude: 29.472958 29.4723534
(Decimal Degrees)

County: _____

ORG ID: 21FLA

Longitude: 81.55365 81.5543454
(Decimal Degrees)

Receiving Body of Water: _____

RQ-2020- 03-23-07

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>J. Amsh</u>	☒	☒	☒	☒	☒
<u>K. Appleby</u>	☒	☒	☒	☒	☒
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID _____	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☒ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: Dry/ Pooled/ <u>Low</u> / Normal / High / Flooded		Meter ID# <u>Desi</u>	
Photos: <u>Yes</u> / No	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack <u>NA</u>	Tide Times: High Low
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#:
Notes: <u>Real low flow "base flow"</u> <u>0.1 depth barely 0.05 flow JP</u>			

Duplicate Sample

Time Zone: <u>EST</u> CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> CEN Time: _____	Field ID: _____ (Blank Type_DDMYYYY)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: _____ (Initials/Date) QC Station ID, Field Parameters in LIMS DMT: _____ (Initials/Date)

Scan/Save Field Sheets _____ (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data in WIN: _____ (Initials/Date)

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Biosolids application site- Crescent

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. ParrishField Report Prepared By: Kimberly Appleby

Project ID: DISTRICT

Collected By: K. Appleby + J. ParrishSampling Agency: FDEP NE ROC

Location <u>Silverlake outlet 75m above old US17</u>		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>3/25/20</u> Time		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>6.00</u>		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
WIN/STORET #		Temp (C) <u>21.9</u>		pH <u>4.93</u>		Sample Depth <u>0.05</u> ☐ ft ☒ m		Sp. Conductance (umho/cm) <u>48.1</u>			
Latitude <u>29.4723534</u>		☒ dd ☐ dms		Longitude <u>-81.5543454</u>		☒ dd ☐ dms		Salinity (ppt) <u>0.02</u>		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	
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	
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	
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: <u>K. Appleby</u>	Date/Time <u>3-25-20 1600</u>	Shipping Method <u>FedEx</u>	Number of Coolers Shipped: <u>1</u>	Received By:	Date/Time
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Group: A	Bottle Type:	P-1L	# of Bottles: 2	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						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 - P + ALS
	NE-ALS-ECQ						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	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: A	Bottle Type:	P-125ML HDPE PFAS	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-PFAS-MS						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						



SR #

ALS Contact: Mandy Sullivan

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

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[illegible]

Spring Ranch

Crescent Lake Ranch Potential Sampling locations

511 ver lake
outlet



February 6, 2020

□ Cadastral 2017 (Property Appraiser Parcels) - Public View

Environmental Resource Permits (ERP) from PA

▲ Beaches

● ERP

● Environmental Resource Permits (Historic)

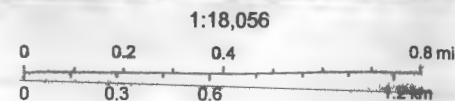
Environmental Resource Permits (2007-present)

● ERP - Currently Permitted

▨ ERP - Pending

▲ Beaches - Currently Permitted

▲ Beaches - Pending



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29.46649 29.472934
-81.558578 -81.55365