

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: Pro DSS Desi

RQ: 2019-11-04-70

Project: LSJR Coast

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 10/28/2019

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.	<u>AKalmbacher</u>	<u>11-6-19</u>	<u>0845</u>	<u>23.2</u>	<u>767</u>	<u>8.6</u>	<u>8.64</u>	<u>101.0</u>			<u>P</u> / F	L / <u>F</u>
ICV		<u>↓</u>	<u>0848</u>	<u>23.2</u>	<u>767</u>	<u>8.6</u>	<u>8.67</u>	<u>101.4</u>			<u>P</u> / F	<u>L</u> / F
CCV	<u>AKalmbacher</u>	<u>↓</u>	<u>1145</u>	<u>23.0</u>	<u>767</u>	<u>8.7</u>	<u>8.74</u>	<u>101.9</u>			<u>P</u> / F	<u>L</u> / 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	<u>AKalmbacher</u>	<u>11-6-19</u>	<u>0850</u>	<u>190711B</u>	<u>07/2020</u>	<u>1,000</u>	<u>1,000</u>	<u>P</u> / F	L / F
ICV		<u>↓</u>	<u>0852</u>	<u>190711A</u>	<u>07/2020</u>	<u>100</u>	<u>104</u>	<u>P</u> / F	<u>L</u> / F
CCV	<u>AKalmbacher</u>	<u>↓</u>	<u>1150</u>	<u>191025B</u>	<u>11/2020</u>	<u>20,000</u>	<u>19,840</u>	<u>P</u> / F	<u>L</u> / 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.	<u>AKalmbacher</u>	<u>11-6-19</u>	<u>0855</u>	<u>2902778</u>	<u>1/2021</u>	<u>7.</u>	<u>23.5</u>	<u>7.01</u>	<u>-31.3</u>	<u>P</u> / F	L / F
Calibr.			<u>0857</u>	<u>2904300</u>	<u>3/2021</u>	<u>4.</u>	<u>23.5</u>	<u>4.00</u>	<u>150.7</u>	<u>P</u> / F	L / F
Calibr.			<u>0900</u>	<u>2810F55</u>	<u>4/2020</u>	<u>10.</u>	<u>23.4</u>	<u>10.02</u>	<u>-201.7</u>	<u>P</u> / F	L / F
ICV		<u>↓</u>	<u>902</u>	<u>2902778</u>	<u>1/2021</u>	<u>7.0</u>	<u>23.4</u>	<u>7.05</u>	<u>-21.5</u>	<u>P</u> / F	L / F
CCV	<u>AKalmbacher</u>	<u>↓</u>	<u>1155</u>	<u>2904300</u>	<u>3/2021</u>	<u>4.0</u>	<u>23.6</u>	<u>4.03</u>	<u>147.8</u>	<u>P</u> / F	<u>L</u> / 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 10 170.4, slope from 4 to 7 182.0 (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: 10-23-2019

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	<u>AKalmbacher</u>	<u>11-6-19</u>	<u>0905</u>		<u>0.00</u>	<u>P</u> / F	<u>L</u> / F

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

COMMENTS:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name: DEER CR @ TALLEYRAND AVE

06
Date: 11/06/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030792

WBID: 2256

Latitude: 30.341528

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.629417

(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2019- 11-04-70

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher						☒	☒	☒	☒	

Sampling Equipment									
☒ Sample Container	☐ Van Dorn	☒ Pole							
☐ Carboy	☐ Syringe								
☐ Dipper	☐ Other								
Depth Measured with <u>Secchi</u>									
Equipment ID <u>Ortho Kit 44</u>									

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>SI Pro DSS Des</u>	Matrix: Fresh <u>Marine</u> / DI
Photos: Yes ☒ No ☐ Flow: No Flow / Intestinal / <u>Flowing</u> / NA						Tide: Rising / <u>Falling</u> / 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°)
EST	1020	0.4	0.2	0.4	2.7	34	6.90	10.9	18550	23.5
CEN				S						

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	<u>5A8344070</u>	<u>12/2019</u>	☐ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>NA9099030</u>	<u>4/2020</u>	☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	<u>R9B86875</u>		
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-BR-IC / ☐ 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-BacR ☐ PCR-GULL2	☒ Ice			
	☒ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD				
Tracers	☒ W-E8321-DI ☒ W-E8321-MS	☒ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI	☐ Ice			
	☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes:

WIN ID/Field ID:



20030792

DEER CR @ TALLEYRAND AVE

Signature: Amy Kalmbacher

Date:

11-6-2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

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)

Deer Cr. makeup

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

WIN ID/Field ID:



20030792

DEER CR @ TALLEYRAND AVE

☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		☐ Composite end ☐ Date		☐ Time ☐ Date		☐ Bottle Group(s) (See pg 2)	
Date		11-06-2019		Time							
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
				2.7							
Temp (C)		23.5		pH		6.90		Sample Depth		0.2	
								☐ ft ☒ m		Sp. Conductance (umho/cm) 18.550	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		10.9	
Location				☐ Comp ☐ Grab		Collection (comp begin or grab)		☐ Eastern ☐ Central		☐ Composite end ☐ Date	
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	
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Location				☐ Comp ☐ Grab		Collection (comp begin or grab)		☐ Eastern 			

Group: A	Bottle Type: P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
ALKALINITY TURBIDITY W-BR-IC W-F W-TSS					
Group: A	Bottle Type: BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
CHLSUITE-W					
Group: A	Bottle Type: P-120ML-WC-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1 Sent to ALS lab
NE-ALS-ENQ					
Group: A	Bottle Type: QPCR-P-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
PCR-HF183					
Group: A	Bottle Type: BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
W-E8321-DI W-E8321-MS					
Group: A	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
W-ICP W-ICPMS					
Group: A	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: A	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
W-PO4-F					

