

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: Desi

RQ: 2019-12-02-24

Project: Salvage North

- 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 10/19

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C 21.5	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Brian Davis	12/03/19	750	76.5	761.5	8.9	—	100.2	—	1.04	P/F	L/F
ICV	↓	↓	751	21.6	761.7	8.8	8.84	100.3	—	1.04	P/F	L/F
CCV	K. Appleby	↓	1641	20.9	757.8	8.9	8.92	99.8	—	1.04	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	B = D =	12/3/19	756	190711B	7/20	1000	1000	P/F	L/F
ICV	↓	↓	758	147103	4/20	147	148.6	P/F	L/F
CCV	K. Appleby	↓	1645	190711B	7/20	1000	997	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.	Brian Davis	12/3/19	804	2902778	1/21	7.01	22.6	7.01	-31.3	P/F	L/F
Calibr.	↓	↓	807	2907062	7/21	4.00	22.8	4.00	149.3	P/F	L/F
Calibr.	↓	↓	810	2904E91	10/20	10.02	22.9	10.03	-203.4	P/F	L/F
ICV	↓	↓	813	2902778	1/21	7.01	22.7	7.05	-30.7	P/F	L/F
CCV	K. Appleby	↓	1648	2902778	1/21	7.00	22.6	7.13	-34.7	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: 10/19

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	Brian Davis	12/3/19	817	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:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name: LITTLE CREEK AT US 441

Date: 12/3/2019
(mm/dd/yyyy)

WIN/ Field ID: 21010033

WBID: 3368

Latitude: 30.41576

(Decimal Degrees)

County: Columbia

ORG ID: 21FLA

Longitude: -82.6365

(Decimal Degrees)

Receiving Body of Water: Suwannee River

RQ-2019- 12-02-24

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
B Davis									
K Appleby									

Sampling Equipment				
☒ Sample Container	☐ Van Dorn	☒ Pole		
☐ Carboy	☐ Syringe			
☐ Dipper	☐ Other			
Depth Measured with <u>Desi</u>				
Equipment ID <u>040#2</u>				

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

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded

Meter ID# Desi 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 (umhos/cm)	Temp. (C°)
EST	1015	0.3	0.15	VOB	6.45	58.8	6.86	0.06	127.5	11.4
CEN				(S)						

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	SA903100	7/22/20	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	PS8A86875		
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-BaC ☐ PCR-GULL2	☐ Ice			
	☒ PCR-HF183 ☒ PCR-DG3 ☐ PCR-GFD	☐ Ice			
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	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes:

WIN / Field ID:



21010033

LITTLE CREEK AT US 441

Signature: [Signature]

Date: 12/3/2019

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)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: CANNON CR @ CANNON CR RD/BUSINESS PARK POINT W CR 47

Date: 12/3/2019
(mm/dd/yyyy)

WIN/ Field ID: 21030138

WBID: 3520

Latitude: 30.12705

(Decimal Degrees)

County: Columbia

ORG ID: 21FLA

Longitude: -82.65485

(Decimal Degrees)

Receiving Body of Water: Canon creek sink

RQ-2019- 12-02-24

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check

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

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded				Meter ID#		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 (PPTth)	Sp COND (µmhos/cm)	Temp. (C°)
EST										
CEN										

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			☐ <2	
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice	☐ HNO3			☐ <2	
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice					
Chlorophyll	☐ CHLSUITE-W				☐ Ice					
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-C-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 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD				☐ Ice					
Tracers	☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice					
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				☐ Ice					
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice					

Notes: Less than 0.1m water, very low water level.

WIN / Field ID:



21030138

CANNON CR @ CANNON CR RD/
BUSINESS PARK POINT W CR 47

Signature: *[Signature]*

Date: 12/3/2019

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)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name: LAKE KANAPAH ~300M N of 56TH

Date: 12/3/2019
(mm/dd/yyyy)

WIN/ Field ID: 20030925

WBID: 2717

Latitude: 29.61232

(Decimal Degrees)

County: Alachua

ORG ID: 21FLA

Longitude: -82.40381

(Decimal Degrees)

Receiving Body of Water: Payne's Prairie

RQ-2019- 12-02-24

Sampling Team Members

K. Appleby
B. Davis

Sampling Equipment

☒ Sample Container ☐ Van Dorn ☒ Pole
☐ Carboy ☐ Syringe
☐ Dipper ☐ Other
Depth Measured with Desi
Equipment ID 0-150#3

Collection Method

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

Water Level: Dry/ Pooled ☒ Low / Normal / High / Flooded

Meter ID# Desi

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 (umhos/cm)	Temp. (C°)
EST	1735	0.58	0.3	0.58	0.18	1.9	6.90	0.25	523	19.1
CEN				5						

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	SA9203100	7/22/20	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	K9BA86875		
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-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 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes:

WIN ID/Field ID:



20030925

LAKE KANAPAH ~300M N of 56TH

Signature: B. Davis

Date: 12/3/19

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 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

Suwannee North

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By: Brian Davis

Project ID: SMP

Collected By: B Davis, K ApplebySampling Agency: DEAR MED

Location	WIN / Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/13/19</u> Time <u>1015</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)	
Field ID		21010033		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>6.45</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/ST		LITTLE CREEK AT US 441		Temp (C) <u>11.4</u>	pH <u>6.86</u>	Sample Depth <u>0.15</u>	Sp. Conductance (umho/cm) <u>122.5</u>	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.06</u>	Comments			B
Location	WIN / Field ID:		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	☐ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID		21030138		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/S		CANNON CR @ CANNON CR RD/ BUSINESS PARK POINT W CR 47		Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments <u>Not Sampled</u>			
Location	WIN ID/Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/13/19</u> Time <u>1235</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID		20030925		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>0.18</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORE		LAKE KANAPAHA ~300M N of 56TH		Temp (C) <u>19.1</u>	pH <u>6.90</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>523</u>	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.25</u>	Comments			C
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	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By: <u>B = P =</u>	Date/Time <u>12/13/19 1600</u>	Shipping Method <u>1</u>	Number of Coolers Shipped: <u>1</u>	Received By:	Date/Time
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Group: A Bottle Type: P-500ML # of Bottles: 1 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 0
W-TOC

Group: A Bottle Type: P-125ML # of Bottles: 1 Preservative: FILTER-ICE Enter Number of Bottles Sent to Lab 0
W-PO4-F

Group: A Bottle Type: BG-1L # of Bottles: 4 Preservative: ICE Enter Number of Bottles Sent to Lab 0
W-PSNP-TQ

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

Group: B Bottle Type: BP-1L # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab 1
CHLSUITE-W

Group: B Bottle Type: P-120ML-WC-THI # of Bottles: 2 Preservative: ICE Enter Number of Bottles Sent to Lab 2 to AEL
NE-AEG-EC

Group: B Bottle Type: QPCR-P-500ML # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab 1
PCR-BACR
PCR-DG3
PCR-HF183

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

Group: B 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: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	W-PO4-F				
Group: C	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS				
Group: C	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	CHLSUITE-W				
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>1</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC				
Group: C	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	W-PO4-F				



	Altamonte Springs: 380 Northlake Blvd., Suite 1048 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597
✓	Gainesville: 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639
	Jacksonville: 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354
	Miramar: 10200 USA Today Way • Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
	Tallahassee: 2639 North Monroe Street, Suite D • Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275
	Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

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