FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Crooked River @ Post 46 **Date:** 4/24/2019 (mm/dd/yyyy)

WIN/ Field ID: G2TLHR0038 **WBID:** 1251 **Latitude:** 29.903 (Decimal Degrees)

County: Franklin **ORG ID:** 21FLTLHR **Longitude:** 84.6515 (Decimal Degrees)

Receiving Body of Water: Carrabelle River **RQ-** 2019-04-22-33

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jon Woods	X		X		
Jade Burtchett		X		X	X

Sampling Equipment
- [X] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [X] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with YSI
- Equipment ID 154177

Collection Method
- [X] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low (Normal) / High / Flooded **Meter ID#** 154177 **Matrix:** Fresh / Marine / DI

Photos: Yes / (No) **Flow:** No Flow / Intestital (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 (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
(EST)	1100	1.1	0.3	0.4	5.10	56.2	6.56	0.22	448.6	21.9
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	[X] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[X] Ice [X] H_2SO_4	8344070	12/10/19	[X] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[X] W-PO4-F [X] Field Filtered 0.45 µm Filter	[X] Ice			
Chlorophyll	[X] CHLSUITE-W	[X] Ice			
Physical/Aggregate (Fresh)	[X] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[X] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[X] E Coli [ ] F Coli [ ] Enterococci	[X] 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				

Place Preservative Sticker(s) Here (If Available)

Notes:
~~bottle group: B~~

Field/WIN ID → G2TLHR0038

Location → CROOKED RIVER @ POST 46

Signature: [signature] **Date:** 4/24/19

LIMS EVENT ID: TLH-ROC-2019-04-24-01 **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: JB 4/26/19 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** (Initials/Date)

Scan/Save Field Sheets JB 4/26/19 (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data In WIN:** (Initials/Date)

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: 154177 RQ- Project: SMP 2019

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 4/19

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. Burtchett	4/24/19	802	19.9	758.3	9.1	9.09	99.8	–	0.99	P F	P F
ICV	"	↓	812	18.9	756.4	9.23	9.26	99.6	–	–	P F	P F
CCV			1540	25.4	757.3	8.2	8.19	100.0	–	–	P F	P 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	4/24/19	1604	K806ZC	07/19	1000	1000	P F	P F
ICV	"	↓	814	K605F81	05/20	100	101	P F	P F
CCV			1542	K0621B	07/19	50000	51296	P F	P F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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. Burtchett	4/24/19	806	180103C	10/19	7.03	18.4	7.03	-48.1	P F	P F
Calibr.	"	↓	808	180621D	07/19	4.00	18.8	4.00	126.3	P F	P F
Calibr.	"		810	180621F	07/19	10.06	18.8	10.07	-214.9	P F	P F
ICV	"		816	180621F	01/20	10.06	19.1	10.11	-218.2	P F	P F
CCV			1544	180621D	07/19	4.00	20.4	4.02	124.9	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 ± 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: 4/19
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	J. Burtchett	4/24/19	800	0.000	0.000	P F	P F

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

COMMENTS:

Request Number: RQ-2019-04-22-33

Run 12

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Woods / Butchatt

Field Report Prepared By: Jon Woods

Sampling Agency: 8034

Location

Field/WIN ID → G2TLHR0038

Location ↓ CROOKED RIVER @ POST 46

Field ID

WIN/STOR

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/24/19 Time 1100 | Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): B

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen 5.10 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 21.9 | pH 6.56 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 448.6

Salinity (ppt) 0.22 | Comments

Location

Field/WIN ID → G2TLHR0025

Location ↓ Alligator Harbor near clam beds

Field ID

WIN/STOR

Latitude ☐ dd ☐ dms ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/24/19 Time 1220 | Eastern / Central | Composite end Date Time | Bottle Group(s): C

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen 7.05 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 22.1 | pH 7.90 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 47415

Salinity (ppt) 30.90 | Comments

Location

Field/WIN ID → G2TLHR0029

Location ↓ DICKERSON BAY SOUTH

Field ID

WIN/STC

Latitude ☐ dd ☐ dms ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/24/19 Time 1350 | Eastern / Central | Composite end Date Time | Bottle Group(s): C

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen 7.36 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 22.6 | pH 8.10 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 40624

Salinity (ppt) 26.01 | Comments

Location

Field/WIN ID → G2TLHR0028

Location ↓ DICKERSON BAY NORTH

Field ID

WIN/STC

Latitude ☐ dd ☐ dms ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/24/19 Time 1400 | Eastern / Central | Composite end Date Time | Bottle Group(s): C

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen 7.73 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 22.4 | pH 8.17 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 41152

Salinity (ppt) 26.39 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Jon Woods	4/24/19 1529	HD	1		4/24/19 1537

Group: A	Bottle Type:	P-1L	# of Bottles: 1	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:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	ECOLI-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	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: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	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: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4 8344070 exp. 12/10/19	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: ALKALINITY TURBIDITY W-BR-IC W-F W-TSS	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
Group: C	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
Group: C	Bottle Type: FCOLI-MF	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4 8344070 exp. 12/10/19	Enter Number of Bottles Sent to Lab	3
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3