

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: 2019-09-16-14

Project: BMAP 1

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 7/11/19

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.	C Ruben	9.17.19	0728	23.1	760	8.6	8.56	99.6%	—	—	P/F	F
ICV	↓	↓	0730	23.1	760	8.6	8.56	99.9%	—	—	P/F	F
CCV	↓	↓	1310	24.7	760	8.3	8.33	100.2%	—	—	P/F	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.	C Ruben	9.17.19	0732	190711B	7/2020	1000	990	P/F	F
ICV	↓	↓	0733	190711A	7/2020	100	104	P/F	F
CCV	↓	↓	1313	190711C	7/2020	50,000	50,556	P/F	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.	C Ruben	9.17.19	0735	2902778	1/21	7.	24.2	7.09	-30.1	P/F	F
Calibr.	↓	↓	0737	29041300	3/21	4.	24.1	4.02	151.6	P/F	F
Calibr.	↓	↓	0739	2901851	7/20	10.	24.1	10.01	-202.2	P/F	F
ICV	↓	↓	0742	2902778	1/21	7.0	23.9	7.05	-29.5	P/F	F
CCV	↓	↓	1316	29041300	3/21	4.0	24.3	4.03	149.8	P/F	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	C Ruben	9.17.19	0745	0.00	0.00	P/F	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: NW TRIBUTARY TO OPEN CR AT HODGES

Date: 09/17/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030848

WBID: 2299B

Latitude: 30.277383

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.461166

(Decimal Degrees)

Receiving Body of Water: Open Creek

RQ-2019-09-16-14

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyanne Ruben							X					☒ Sample Container	☐ Van Dorn	☒ Pole	
Amy Kalmbacher						X		X				☐ Carboy	☐ Syringe		
												☐ Dipper	☐ Other		
												Depth Measured with <u>meter</u>			
												Equipment ID <u>Ortho Kit #3</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>YSI Pro DSS DSI</u>			Matrix: <u>Fresh</u> Marine / DI						
Photos: Yes / <u>No</u> Flow: No Flow / Intertidal / <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 (umhos/cm)	Temp. (C°)					
EST	0900	0.5	0.3	0.5	5.5	68	7.44	0.19	407	26.1					
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			☐ <2						
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3			☐ <2						
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter					☒ Ice	<u>R7HA2900</u>								
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					☒ 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														

Notes:

WIN ID/Field ID:



20030848

NW TRIBUTARY TO OPEN CR AT HODGES

Signature: Kalmbacher

Date:

9-17-2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

(Initials/Date)

(Initials/Date)

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: TERRAPIN CR @ Faye Rd.

Date: 09/17/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030653

WBID: 2204

Latitude: 30.434361

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.565555

(Decimal Degrees)

Receiving Body of Water: Dunn Creek

RQ-2019- 09-16-14

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Cheyanne Ruben						X		X	X	X
Amy Kalmbacher							X			

Sampling Equipment			
☒ Sample Container	☐ Van Dorn	☒ Pole	
☐ Carboy	☐ Syringe		
☐ Dipper	☐ Other		
Depth Measured with <u>meter</u>			
Equipment ID <u>Ortho # 3</u>			
Collection Method			
☐ Wading	☐ Canoe/Kayak		
☒ From Shore	☐ Electric Motor		
☐ Other	☐ Gasoline Motor		

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

Meter ID# PRO DSS DCS 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°)
EST	<u>0945</u>	<u>0.1</u>	<u>0.05</u>	<u>0.1</u>	<u>6.10</u>	<u>75%</u>	<u>6.11</u>	<u>0.09</u>	<u>196.2</u>	<u>25.8</u>
CEN				<u>S</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>519010030</u>	<u>4/20</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	<u>R7HA2900</u>		
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	☒ 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			

Contains: 1:1 H2SO4
Lot No.: SA9010030
Expires: 04/10/20
See Safety Data Sheet (SDS)

Place Preservation (If Available)

Notes:

WIN ID/Field ID:



20030653

TERRAPIN CR @ Faye Rd.

Signature:

Amy Kalmbacher

Date:

9-17-2019

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:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: BUTCHER PEN CR AT WESCONNETT

Date: 09/17/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030760

WBID: 2322

Latitude: 30.259833

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.740194

(Decimal Degrees)

Receiving Body of Water: Ortega River

RQ-2019- 09-16-14

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyanne Ruben						X	X			☒ Sample Container	☐ Van Dorn	☒ Pole		
Amy Kalmbacher					X					☐ Carboy	☐ Syringe			
										☐ 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/ Low / <u>Normal</u> / High / Flooded					Meter ID# <u>Desi</u>					Matrix: <u>Fresh</u> / Marine / DI				
Photos: Yes / <u>No</u>					Flow: No Flow / Intestinal / <u>Flowing</u> / NA					Tide: Rising/ Falling/ Slack/ <u>NA</u>				
Tide Times: High _____ Low _____														
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Seeshi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (µmhos/cm)	Temp. (C°)				
EST	1030	1.47	0.3	0.8	0.42	65.6%	7.44	1.5	2880	26.9				
CEN							7.01							
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			☐ <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-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					☐ 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 ID/Field ID:



20030760

BUTCHER PEN CR AT WESCONNETT

Signature:

Cheyanne R

Date:

9/17/19

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

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



20030082

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name: BUTCHER PEN CR @ CONFEDERATE PT ROAD

Date: 09/17/2019

(mm/dd/yyyy)

WIN/ Field ID: 20000 82

WBID: 2 322

Latitude: 30 2 6416 1

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.734583

(Decimal Degrees)

Receiving Body of Water: Ortega River

RQ-2019- 09-18-14

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

Sampling Equipment	
☒ Sample Container	☐ Van Dorn ☒ Pole
☐ Carboy	☐ Syringe
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>ortho #3</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>Desi</u>	Matrix: <u>Fresh</u> / Marine / DI
Photos: Yes / <u>No</u>	Flow: No Flow / Intertidal / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack/ <u>NA</u>	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	1100	1.06	0.3	0.5	5.08	68.1%	7.46	4.24	7,738	29.2
CEN										

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 ☒ H ₂ SO ₄	5A9010030	4/20	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA8344050	12/19	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	R7HA29007		
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 ☐ 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				

Contains: 1:1 HNO3 Lot No.: NA8344050 Expires: 12/10/19 See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4 Lot No.: SA9010030 Expires: 04/10/20 See Safety Data Sheet (SDS)

WTRC ACID 20-19% DANGER Corrosive 1:1 HNO3 1:1 H2SO4

SULFURIC ACID -51% DANGER Corrosive 1:1 H2SO4

Notes:

WIN ID/Field ID:



20030082

BUTCHER PEN CR AT CONFEDERATE

Signature:

Date:

9/17/19

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

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: CRAIG CR @ HENDRICKS AVE

Date: 09/17/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030793

WBID: 2297B

Latitude: 30.296305

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.648027

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 09-16-14

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Cheyanne Ruben					X	X			
Amy Kalmbacher						X			

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☒ Pole
☐ Carboy	☐ Syringe	
☐ 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/ 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 (µmhos/cm)	Temp. (C°)
EST	1140	1.0	0.3	0.6	0.3	5.0	7.15	5.89	19450	28.1
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-CH-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				

Notes:

WIN ID/Field ID:



20030793

CRAIG CR @ HENDRICKS AVE

Signature: Cheyanne R

Date:

9/17/19

LIMS EVENT ID: WIN Import ID: QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date)

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



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes

No

WIN Station Name: CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK

Date: 09/17/2018

(mm/dd/yyyy)

WIN/ Field ID: 20030958

WBID: 2297B

Latitude: 30.295219

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.649891

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 09-16-14

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Cheyanne Ruben					X	X			
Amy Kalmbacher						X	X	X	

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 / <u>Normal</u> / High / Flooded					Meter ID# <u>PSI</u>			Matrix: Fresh <u>Marine</u> / QI		
Photos: Yes / <u>No</u>		Flow: No Flow / Intertidal / <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 (umhos/cm)	Temp. (C°)
EST	1150	0.93	0.3	0.8	83.21	44%	7.45	5.57	9937	27.8
CEN										

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	SA9010030	4/20	☒ <2		
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3			☐ <2		
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 um Filter					☒ Ice	27HA 29007				
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										

Notes:

WIN ID/Field ID: 20030958

CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK

Signature: _____ Date: 9/17/19

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)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC

Date: 09/17/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030891

WBID: 2326A

Latitude: 30.225444

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.603861

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 09-16-14

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyanne Ruben											☐ Sample Container	☐ Van Dorn	☐ Pole		
Amy Kalmbacher											☐ 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 (PPT)	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-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 ☐ 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														

Notes: Not sampled, out of banks

WIN ID/Field ID:



20030891

GOODBYS CR ABOVE WEST BRANCH
AT SAN CLERC

Signature:

Date:

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)

Bmap 1

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By: C Ruben

Project ID: SMP

Collected By: C Ruben / A Kalmbacher

Sampling Agency: FDEP DEAR NE ROC

WIN ID/Field ID:



20030848

NW TRIBUTARY TO OPEN CR AT HODGES

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

WIN ID/Field ID:



20030653

TERRAPIN CR @ Faye Rd.

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

WIN ID/Field ID:



20030760

BUTCHER PEN CR AT WESCONNETT

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

WIN ID/Field ID:



20030082

BUTCHER PEN CR AT CONFEDERATE

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9.17.19 Time 0900	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)
Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	B
Temp (C) 26.1	pH 7.44	Sample Depth 0.3	Sp. Conductance (umho/cm) 407	
Salinity (ppt) 0.19	Comments			
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9.17.19 Time 0945	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	B
Temp (C) 25.8	pH 6.11	Sample Depth 0.05	Sp. Conductance (umho/cm) 196.2	
Salinity (ppt) 0.09	Comments			
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9.17.19 Time 1030	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	E
Temp (C) 26.9	pH 7.01	Sample Depth 0.3	Sp. Conductance (umho/cm) 2,880	
Salinity (ppt) 1.5	Comments			
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9.17.19 Time 1100	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	C
Temp (C) 29.2	pH 7.46	Sample Depth 0.3	Sp. Conductance (umho/cm) 7,738	
Salinity (ppt) 4.24	Comments			

Relinquished By:

C Ruben

Date/Time

9/17/19 1600

Shipping Method

Fedex

Number of Coolers Shipped:

82

Received By:

Date/Time

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Bmap 1

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Field Report Prepared By: C RibenCollected By: C Riben / A KalmbacherSampling Agency: FDEP

WIN ID/Field ID:



20030793

CRAIG CR @ HENDRICKS AVE

Latitude

☐ dd
☐ dms

Longitude

☐ dd
☐ dms

☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 9.17.19	Time 1140	Eastern Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	D
Temp (C) 28.1		pH 7.15		Sample Depth 0.3		Sp. Conductance (umho/cm) 10,450	
Salinity (ppt) 5.89		Comments					

WIN ID/Field ID:



20030958

CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK

Latitude

☐ dd
☐ dms

Longitude

☐ dd
☐ dms

☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 9.17.19	Time 1150	Eastern Central	Composite end Date — Time —	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	A
Temp (C) 27.8		pH 7.45		Sample Depth 0.3		Sp. Conductance (umho/cm) 9,937	
Salinity (ppt) 5.57		Comments					

WIN ID/Field ID:



20030891

GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC

Latitude

☐ dd
☐ dms

Longitude

☐ dd
☐ dms

☐ Comp	Collection (comp begin or grab)	☐ Grab	Date	Time	Eastern Central	Composite end Date	Time	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Not sampled, out of banks
Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)		
Salinity (ppt)		Comments						

Location	☐ Comp	Collection (comp begin or grab)	☐ 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	Longitude	☐ dms	Salinity (ppt)	Comments				

Relinquished By: <u>C Riben</u>	Date/Time: <u>9/17/19 1600</u>	Shipping Method: <u>Fedex</u>	Number of Coolers Shipped: <u>32</u>	Received By:	Date/Time:
---------------------------------	--------------------------------	-------------------------------	--------------------------------------	--------------	------------

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	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	
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	for ALS
	NE-ALS-ENQ						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	PCR-HF183						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	W-E8321-DI W-E8321-MS						
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: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2

Group: B	Bottle Type: BP-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
CHLSUITE-W					
Group: B	Bottle Type: P-250ML-WI-THI	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	2 to ALS
NE-ALS-ECQ					
Group: B	Bottle Type: QPCR-P-500ML	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
PCR-HF183					
Group: B	Bottle Type: BG-500ML	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
W-E8321-DI					
W-E8321-MS					
Group: B	Bottle Type: P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
W-NH3					
W-NO2NO3					
W-S-A-TP					
W-TKN					
W-TOC					
Group: B	Bottle Type: P-125ML	# of Bottles: 3	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
W-PO4-F					
Group: C	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: C	Bottle Type: BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	
CHLSUITE-W					
Group: C	Bottle Type: P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1 to ALS
NE-ALS-ECQ					
Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
W-ICP					

Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
W-ICPMS							
Group: C	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: C	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
W-PO4-F							
Group: D	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 to ALS
NE-ALS-ENQ							
Group: D	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
PCR-HF183							
Group: D	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
W-E8321-DI							
W-E8321-MS							
Group: E	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 to ALS
NE-ALS-ECQ							