

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: 2019-11-18-19

Project: BMAP2
LSJR Downtown Boat

- 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 10/2019

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.	K. Appleby	11/20/19	750	21.6	763.9	8.9	8.84	100.5	-	1.04	P/F	L/F
ICV	↓	↓	752	21.7	763.9	8.9	8.82	100.5	-	1.04	P/F	L/F
CCV	↓	↓	1546	21.5	763.4	8.9	8.89	100.8	-	1.04	P/F	L/F
CCV			1546								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.	K. Appleby	11/20/19	755	190711B	7/2020	1000	1000	P/F	L/F
ICV	↓	↓	756	190711A	7/2020	100	104.4	P/F	L/F
CCV	↓	↓	1548	191025B	11/2020	20000	19941	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.	K. Appleby	11/20/19	802	2902778	1/2021	7.00	22.7	7.00	-32.4	P/F	L/F
Calibr.	↓	↓	806	2907D62	7/2021	4.00	22.8	4.00	149.6	P/F	L/F
Calibr.	↓	↓	808	2904E91	10/2020	10.00	22.6	10.00	-202.2	P/F	L/F
ICV	↓	↓	817	2907D62	7/2021	4.00	22.5	3.96	150.1	P/F	L/F
CCV	↓	↓	1550	2904E91	10/2020	10.00	22.9	10.04	-205.6	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 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: 10/2019

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	K. Appleby	11/20/19	824	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:

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: YSE 5022L

RQ: 2019-11-18-19

Project: BMAP 2

- 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 10/20/19

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.	JPamsh	11/20/19	830	20.5	760	9.0	9.0	100.0	-	1.021	P/F	L/F
ICV	J	11/20/19	831	20.5	760	9.0	8.99	100.1	-	1.021	P/F	L/F
CCV	JPamsh	11/20/19	1210	21.2	760	8.9	8.82	99.3	-	1.021	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.	JPamsh	11/20/19	832	190711B	7/20	1000	1000	P/F	L/F
ICV	J	J	833	190711A	7/20	100	104.8	P/F	L/F
CCV	JPamsh	11/20/19	1211	191025B	11/20	20000	19885	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.	JPamsh	11/20/19	845	2902778	1/21	7.00	21.9	7.01	167	P/F	L/F
Calibr.	J	J	847	29041300	3/21	4.00	21.9	4.00	167	P/F	L/F
Calibr.	J	J	850	2810555	4/20	10.	21.8	10.00	184.1	P/F	L/F
ICV	J	J	852	2904800	3/21	4.00	21.9	4.03	162.3	P/F	L/F
CCV	JPamsh	11/20/19	1213	2902778	1/21	10.00	22.7	10.04	190.	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	JPamsh	11/20/19	855	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: TROUT RIVER AT OLD KINGS RD

Date: 11/20/19
(mm/dd/yyyy)

WIN/ Field ID: 20030753

WBID: 2203

Latitude: 30.43127

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.76858

(Decimal Degrees)

Receiving Body of Water: Duval

RQ-2019-2019-11-18-19

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>JP Amisk</u>					☒	☒	☒	☒	☒
					☐	☐	☐	☐	☐
					☐	☐	☐	☐	☐
					☐	☐	☐	☐	☐

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☒ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>YSI</u>		
Equipment ID <u>017652 #49</u>		
Collection Method		
☐ Wading	☐ Canoe/Kayak	
☒ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

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

Meter ID# YSI 51754

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>9:50</u>	<u>0.6</u>	<u>0.3</u>	<u>0.5</u>	<u>8.46</u>	<u>79.3</u>	<u>5.56</u>	<u>0.07</u>	<u>139</u>	<u>12.4</u>
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	<u>BA 90575</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-R / 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 / Field ID:



20030753

TROUT RIVER AT
OLD KINGS RD

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 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: TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1

Date: 11/26/19
(mm/dd/yyyy)

WIN/ Field ID: 20030123

WBID: 2203B

Latitude: 30.43627

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.78193

(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2019- 11-18-19

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>J. P. Smith</u>					☒	☒	☒	☒	☒

Sampling Equipment		
☒ Sample Container	☒ Van Dorn	☒ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>Sonar</u>		
Equipment ID <u>011044</u>		

Collection Method		
☐ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☒ Other <u>Rock</u>	☐ Gasoline Motor	

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

Meter ID#

Matrix: Fresh / Marine / DI

Photos: Yes ☒ No ☐ Flow: No Flow / Intertidal / Flowing / NA

Tide: Rising / Falling / Slack / NA

Tide Times: High Low 1030

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>1010</u>	<u>0.6</u>	<u>0.3</u>	<u>0.5</u>	<u>7.7</u>	<u>73.6</u>	<u>6.03</u>	<u>0.10</u>	<u>218</u>	<u>13.3</u>
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-CL-IC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ W-PDS	☐ 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 ☐ W-E8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTV-QN-C ☐ PKD-QN-C				

Notes:

WIN / Field ID:



20030123

TROUT R @ DINSMORE
BOAT RAMP DOCK NR US 1

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 _____ Migrate Data to WIN: _____ Verify Data In WIN: _____

(Initials/Date)

(Initials/Date)

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name: LITTLE FISHWEIR CR AT OAK ST.

Date: 11/20/19
(mm/dd/yyyy)

WIN/ Field ID: 20030953

WBID: 2280A

Latitude: 30.29466

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: 81.70919

(Decimal Degrees)

Receiving Body of Water: Big Fishweir Cr

RQ-2019- 11-18-19

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment					
<u>J. Parrish</u>		☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☒ Pole			
							☐ Carboy	☐ Syringe				
							☐ Dipper	☐ Other				
							Depth Measured with <u>YSE</u>					
							Collection Method					
							☐ Wading	☐ Canoe/Kayak				
							☒ From Shore	☐ Electric Motor				
							☐ Other	☐ Gasoline Motor				
Water Level: Dry/ Poofed/ Low / <u>Normal</u> / High / Flooded							Meter ID# <u>5574</u>		Matrix: <u>Fresh</u> Marine / DI			
Photos: <u>Yes</u> / No							Flow: No Flow / Intestinal / <u>Flowing</u> / NA		Tide: <u>Rising</u> / 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	<u>1110</u>	<u>0.9</u>	<u>0.3</u>	<u>0.9</u>	<u>0.3</u>	<u>3.6</u>	<u>6.76</u>	<u>7.85</u>	<u>13537</u>	<u>18.2</u>		
CEN				<u>5</u>								
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					
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:

Falling tide
recent turbidity issue
has dissipated

WIN / Field ID:



20030953

LITTLE FISHWEIR AT OAK ST.

Signature:

Jeremy Carrick

11/20/19

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)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒

WIN Station Name: MONCRIEF CR @ 21ST ST

Date: 11/20/2019
(mm/dd/yyyy)

WIN/ Field ID: 20030897

WBID: 2228B

Latitude: 30.35666

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.69108

(Decimal Degrees)

Receiving Body of Water: Trout River

RQ-2019- 11-18-19

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
P. Appleby									
R. Davis									

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☒ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>Pole</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# Pole 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	1240	0.1	0.05	VOB	6.16	64.8	7.35	0.22	449.2	17.6
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			☐ <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-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 / Field ID:



20030897

MONCRIEF CR @ 21ST ST

Signature: [Signature]

11/20/19

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)

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / ☒

WIN Station Name: MONCRIEF CR AT MONCRIEF RD

Date: 11/20/2019
(mm/dd/yyyy)

WIN/ Field ID: 20030726

WBID: 2228B

Latitude: 30.37027

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.68383

(Decimal Degrees)

Receiving Body of Water: Trout River

RQ-2019- 11-18-19

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Sampling Equipment	
					Sample Container	Van Dorn
K. Appleby B. Davis	☒	☒	☒	☒	☒ 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 / Normal / High / Flooded

Meter ID# 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 (umhos/cm)	Temp. (C°)
<u>EST</u>	<u>1255</u>	<u>0.5</u>	<u>0.3</u>	<u>0.5</u>	<u>6.61</u>	<u>66.2</u>	<u>7.34</u>	<u>0.13</u>	<u>269.0</u>	<u>15.3</u>
CEN				<u>5</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>SA9203100</u>	<u>7/2020</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>NA9129070</u>	<u>5/2020</u>	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	<u>R93A86875</u>		
Chlorophyll	☒ CHLSUTE-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	☐ Ice			

Notes:

WIN / Field ID: 20030726

MONCRIEF CR AT MONCRIEF ROAD

Signature: [Signature] Date: 11/20/2019

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)

[illegible]

Central Laboratory Submittal Form

last revised Jan 25, 2018

Bmap 2

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By:

Jeremy Parrish

Project ID: SMP

Collected By:

Jeremy Parrish

Sampling Agency:

FDEP NE ROC

Location	WIN / Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/20/19 Time 950	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)	
Field ID	20030753		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.46	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	D	
WIN/ST	TROUT RIVER AT OLD KINGS RD		Temp (C) 12.4	pH 5.56	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 139		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.07	Comments				
Location	WIN / Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/20/19 Time 1010	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID	20030123		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 7.7	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	C	
WIN/STOR	TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1		Temp (C) 13.3	pH 6.03	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 218		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.10	Comments				
Location	WIN / Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/20/19 Time 1050	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID	20030801		Matrix (type, e.g., Salt, Fresh, etc) SALT		Diss. Oxygen 2.57	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A	
WIN/ST	BIG FISHWEIR CR SF @ HAMILTON ST		Temp (C) 18.1	pH 6.89	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 13339		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 7.72	Comments				
Location	WIN / Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/20/19 Time 1110	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID	20030953		Matrix (type, e.g., Salt, Fresh, etc) SALT		Diss. Oxygen 0.3	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	E	
WIN/ST	LITTLE FISHWEIR AT OAK ST.		Temp (C) 18.2	pH 6.76	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 13537		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 7.85	Comments				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Jeremy Parrish	11/20/19 1600	Fedex	13		

Group: A	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: 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	2 → Sent to ALS
	NE-ALS-ECQ						
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:	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						
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						

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Bmap 2

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By:

Jeremy Parrish

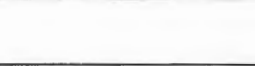
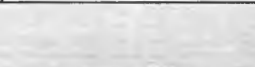
Project ID: SMP

Collected By:

Jeremy Parrish / B. Davis

Sampling Agency:

FDEP NE 20C

Location	WIN / Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/20/2019 Time 1246	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)	
Field ID	20030897		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.16	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/STC	MONCRIEF CR @ 21ST ST		Temp (C) 17.6	pH 7.35	Sample Depth 0.05	☐ ft ☒ m	Sp. Conductance (umho/cm) 449.2	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.22	Comments			F
Location	WIN / Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/20/2019 Time 1255	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s)	
Field ID	20030726		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.64	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/STC	MONCRIEF CR AT MONCRIEF ROAD		Temp (C) 15.3	pH 7.34	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 269.0	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.13	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			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	WIN / Field ID:		☐ 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:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Jeremy Parrish	11/20/19	Fedex	3		

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-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NE-ALS-ECQ					
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: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					

Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	W-TDS				
	W-TSS				
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	CHLSUITE-W				
Group: B	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2 → sent to ALS</u>
	NE-ALS-ECQ				
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab <u>1</u>
	W-ICP				
	W-ICPMS				
Group: B	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: 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-BR-IC				
	W-F				
	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-120ML-WC-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2 → sent to ALS</u>
	NE-ALS-ENQ				
Group: C	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	PCR-HF183				
Group: C	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	W-E8321-DI				

Group: C	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
W-E8321-MS					
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					
Group: D	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: D	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
CHLSUITE-W					
Group: D	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2 → Sent to ALS</u>
NE-ALS-ECQ					
Group: D	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: D	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>1</u>
W-PO4-F					
Group: E	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2 → Sent to ALS</u>
NE-ALS-ECQ					

Group: E	Bottle Type: QPCR-P-500ML PCR-HF183	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
Group: E	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
Group: F	Bottle Type: P-120ML-WC-THI NE-ALS-ECQ	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2 → sent to ALS</u>