

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: YSI ProDSS-DSS1 RQ- 2019-07-29-07 Project: LJLR North 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 _____

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.	A. Kalmbacher	7-29-19	0800	23.4	762.7	8.6	8.52	100.4	—	—	P / F	L / F
ICV			0803	23.6	762.7	8.6	8.52	100.4	—	—	P / F	L / F
CCV	B. Davis	7/29/19	1445	25.2	762.3	8.3	8.25	100.1	✓	✓	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.	A. Kalmbacher	7-29-19	0810	190430A	5/2020	11000	999	P / F	L / F
ICV			0812	0424820				P / F	L / F
CCV			0813	719820	12/2019	24.820	24.716	P / F	L / F
CCV	B. Davis	7/29/19	1448	190319B	3/20	100	103.2	P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

1450 190711C 7/20 59,000 59,366 P L

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.	A. Kalmbacher	7-29-19	0815	2904C54	3/2021	7.	24.3	7.01	-16.6	P / F	L / F
Calibr.				2904B00	3/2021	4.	24.5	4.00	162.3	P / F	L / F
Calibr.				2901B51	7/2020	10.	24.4	10.01	-192.4	P / F	L / F
ICV				2904C54	3/2021	7.0	24.4	7.01	-16.6	P / F	L / F
CCV	B. Davis	7/29/19	1452	2901B51	7/20	10.0	24.6	9.96	-170.9	P / F	L / F
CCV			1455	2904B00	3/21	4.0	24.7	3.98	162.2	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 -175.8, slope from 4 to 7 178.8 (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: 6/4/19

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	A. Kalmbacher	7-29-19	0805	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: MONCRIEF CREEK NEAR MOUTH

Date: 07/29/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030115

WBID: 2228A

Latitude: 30.39166

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.66222

(Decimal Degrees)

Receiving Body of Water: Trout River

RQ-2019- 07-29-07

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

Sampling Equipment				
☒ Sample Container	☐ Van Dorn	☐ Pole		
☐ Carboy	☐ Syringe			
☐ Dipper	☐ Other			
Depth Measured with <u>Desi</u>				
Equipment ID <u>0-150 4/4</u>				

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

Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded					Meter ID# <u>Desi</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	1055	0.8	0.3	0.7	5.16	71.8	7.4	14.26	23630	28.4						
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	<u>SA8344070</u>	<u>12/10/19</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☐ Ice	<u>R9BA86875</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 ☒ 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: 20030115

MONCRIEF CREEK NEAR MOUTH

Signature: <u>B. Davis</u>	Date: <u>7/29/19</u>
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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 <u>BD 7/29/19</u>	Migrate Data to WIN: Verify Data in WIN:
(Initials/Date)	(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: MONCRIEF CR LEM TURNER RD BR/NORWOOD AVE

Date: 07/29/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030114

WBID: 2228A

Latitude: 30.38096

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.67125

(Decimal Degrees)

Receiving Body of Water: Trout River

RQ-2019- 07-29-07

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

Sampling Equipment		
☐ Sample Container	☒ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>Pesi</u>		
Equipment ID <u>04150 #44</u>		

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

Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded					Meter ID# <u>Pesi</u>			Matrix: Fresh / Marine / <u>DI</u>		
Photos: Yes / <u>No</u>		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	1210	0.4	0.3	0.4	3.8	49	7.0	1.29	2521	27.6
CEN				5						

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	SA8344070	12/10/19	☒ <2		
Metals	☒ W-ICPMS ☒ W-ICP					☐ Ice ☒ HNO3	NA8344050	12/10/19	☒ <2		
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter					☒ Ice	R9BA86875				
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 ☐ W-E8321-MS ☐ W-CARB-AA					☐ Ice					
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C					☐ Ice					

Notes:		WIN ID/Field ID: 20030114
Signature: <u>B. Davis</u>		Date: <u>7/29/19</u>

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 <u>BD 7/29/19</u>	Migrate Data to WIN: Verify Data in WIN:
(Initials/Date)	(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name: RIBAUT R MONCRIEF RD BR

Date: 07/29/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030129

WBID: 2224B

Latitude: 30.38899

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.720053

(Decimal Degrees)

Receiving Body of Water: Trout River

RQ-2019- 07-29-07

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

Sampling Equipment				
☒ Sample Container	☐ Van Dorn	☐ Pole		
☐ Carboy	☐ Syringe			
☐ Dipper	☐ Other			
Depth Measured with <u>Desi</u>				
Equipment ID <u>0-740 #44</u>				

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

Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded					Meter ID# <u>Desi</u>	Matrix: Fresh / <u>Marine</u> / DI	
Photos: <u>Yes</u> / No					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 (µmhos/cm)	Temp. (C°)
EST	1015	2.7	0.3	0.5	3.55	43.9	6.92	0.14	303	26.3
CEN	1018		1.5		3.48	43.1	6.73	0.14	301.6	26.3

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	SA8344070	12/10/19	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice	R9BA86875		
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	☒ 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 ☐ W-E8321-MS ☐ W-CARB-PA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes:

WIN ID/Field ID: 20030129

RIBAUT R MONCRIEF RD BR

Signature: [Signature] Date: 7/29/19

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 BP 7/29/19 Migrate Data to WIN: Verify Data In WIN:

(Initials/Date) (Initials/Date) (Initials/Date) (Initials/Date)

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

Place Preservation (If A)

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: RIBAUT RIVER AT US-1

Date: 07/29/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030133

WBID: 2224B

Latitude: 30.37416

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.72678

(Decimal Degrees)

Receiving Body of Water: Trout River

RQ-2019- 07-29-07

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

Sampling Equipment									
☐ Sample Container	☒ Van Dorn	☐ Pole							
☐ Carboy	☐ Syringe								
☐ Dipper	☐ Other								
Depth Measured with <u>Peri</u>									
Equipment ID <u>0016 #44</u>									

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

Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded						Meter ID# <u>Peri</u>		Matrix: Fresh <u>Marine</u> / DI	
Photos: Yes / <u>No</u>		Flow: No Flow / Intertidal / Flowing / 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>1240</u>	<u>2.5</u>	<u>0.3</u>	<u>0.6</u>	<u>4.2</u>	<u>52</u>	<u>6.9</u>	<u>0.11</u>	<u>227</u>	<u>26.2</u>
CEN			<u>2.0</u>		<u>4.1</u>	<u>51</u>	<u>6.8</u>	<u>0.11</u>	<u>227</u>	<u>26.2</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	<u>SA8344070</u>	<u>12/10/19</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>NA8197080</u>	<u>7/16/19</u>	☒ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 um Filter	☒ Ice	<u>R98A86875</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 ☒ 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	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes:

WIN ID/Field ID: 20030133

RIBAUT RIVER AT US-1

Signature: BD 7/29/19

Date: 7/29/19

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 BD 7/29/19

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

Duplicate

Time Zone: <u>EST</u> CEN	Time: <u>1100</u>	Field ID: <u>20030115 Dup</u> (WIN ID_DUP)			
WIN DMT Activity ID:					
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	<u>5A8344070</u>	<u>12/10/19</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☐ Ice	<u>R9BA86875</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			
Microbiology	☐ E Coli ☐ F Coli ☒ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☒ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☒ W-E3821-MS ☒ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E-3821-MS ☐ W-CARB-AA	☐ Ice			

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

HERMCO-HERB SCIENTIFIC
1330 N. MAIN STREET
MAINE, ME 04901
1-207-686-2711

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

HERMCO-HERB SCIENTIFIC
1330 N. MAIN STREET
MAINE, ME 04901
1-207-686-2711

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

HERMCO-HERB SCIENTIFIC
1330 N. MAIN STREET
MAINE, ME 04901
1-207-686-2711

Blank

Time Zone: <u>EST</u> CEN	Time: <u>1105</u>	Field ID: <u>FB 07292019</u> (Blank Type_DDMYYYYY)			
DI Source: <u>NE DI</u>	Location: <u>Moncrief Creek Near Mouth</u>				
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: <u>04190 #44</u>				
WIN DMT Blank Batch ID:					
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	<u>5A8344070</u>	<u>12/10/19</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	<u>R9BA86875</u>		
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-F / W-TSS / TURBIDITY	☒ Ice			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-MS ☐ W-CARB-AA	☐ Other			

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

HERMCO-HERB SCIENTIFIC
1330 N. MAIN STREET
MAINE, ME 04901
1-207-686-2711

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

HERMCO-HERB SCIENTIFIC
1330 N. MAIN STREET
MAINE, ME 04901
1-207-686-2711

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

HERMCO-HERB SCIENTIFIC
1330 N. MAIN STREET
MAINE, ME 04901
1-207-686-2711

Notes:

Field ID: 2003115 DUP

Location: MONCRIEF CREEK NEAR MOUTH

WIN ID: 2003115

MONCRIEF CREEK NEAR MOUTH

Field ID: FB 07292019

Signature: B. D. Date: 7/29/15

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 B 7/29/15 Migrate Date 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: TROUT R @ I-95 BURT MAXWELL DOCK

Date: 07/29/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030121

WBID: 2203A

Latitude: 30.401636

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.66428

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 07-29-07

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

Sampling Equipment				
☐ Sample Container	☐ Van Dorn	☒ Pole		
☐ Carboy	☐ Syringe			
☐ Dipper	☐ Other			
Depth Measured with <u>Desi</u>				
Equipment ID <u>0476044</u>				

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

Water Level: Dry/ Pooled/ Low / Normal <u>High</u> / Flooded					Meter ID# <u>Desi</u>					Matrix: Fresh / Marine <u>DI</u>									
Photos: Yes ☒ No ☐					Flow: No Flow / Intertidal / Flowing <u>NA</u>					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	1135	1.8	0.3	0.7	5.78	81.2	7.55	14.55	24120	28.9									
CEN	1138		1.2		5.60	78.7	7.58	14.93	24660	28.8									

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>SA8344070</u>	<u>12/10/19</u>	☐ <2	
Metals	☒ W-ICPMS ☒ W-ICP					☒ Ice ☐ HNO3	<u>NA8344050</u>	<u>12/10/19</u>	☒ <2	
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter					☐ Ice	<u>R9BA86825</u>			
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 Coil ☒ 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 ☐ W-E8321-MS ☐ W-CARB-AA									
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C					☐ Ice				

Notes:

WIN ID/Field ID: 20030121

TROUT R @ I-95 BURT MAXWELL DOCK

Signature: B. Davis Date: 7/29/19

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 BD 7/29/19 Migrate Data to WIN: Verify Data In WIN:

(Initials/Date) (Initials/Date)

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

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

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

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

Florida Department of Environmental Protection
Central Laboratory Submittal Form

LSJR North Boat

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. ParrishField Report Prepared By: A. Kalmbacher

Project ID: SMP

Collected By: B. DavisSampling Agency: FDEP/NE ROL

WIN ID/Field ID:



20030121

TROUT R @ I-95 BURT MAXWELL DOCK

Latitude

☐ dd

Longitude

☐ dms☐ dd

Salinity

☐ dms

(ppt)

Comments

☐ Comp
☒ Grab

Collection (comp begin or grab)

Date 7-29-2019 Time 1135
☒ Eastern
☐ Central

Composite end

Date Time

Bottle
Group(s)
(See pg 2)Matrix (type, e.g. Salt, Fresh, etc)

Diss. Oxygen

☒ mg/L

Total Res. Chlorine

☐ % sat

(mg/L)

Temp
(C)28.9

pH

7.55Sample
Depth0.3☐ ft
☒ mSp. Conductance
(umho/cm)24,120

C

Field ID:



2003115 DUP

Location: MONCRIEF CREEK NEAR MOUTH

WIN ID:



2003115

Latitude

☐ dd

Longitude

☐ dms☐ dd

Salinity

☐ dms

(ppt)

Comments

☐ Comp
☒ Grab

Collection (comp begin or grab)

Date 7-29-2019 Time 1100
☒ Eastern
☐ Central

Composite end

Date Time

Bottle
Group(s)Matrix (type, e.g. Salt, Fresh, etc)

Diss. Oxygen

☒ mg/L

Total Res. Chlorine

☐ % sat

(mg/L)

Temp
(C)28.4

pH

7.4Sample
Depth0.3☐ ft
☒ mSp. Conductance
(umho/cm)23,630

A

WIN ID/Field ID:



20030115

MONCRIEF CREEK NEAR MOUTH

Latitude

☐ dd

Longitude

☐ dms☐ dd

Salinity

☐ dms

(ppt)

Comments

☐ Comp
☒ Grab

Collection (comp begin or grab)

Date 7-29-2019 Time 1055
☒ Eastern
☐ Central

Composite end

Date Time

Bottle
Group(s)Matrix (type, e.g. Salt, Fresh, etc)

Diss. Oxygen

☒ mg/L

Total Res. Chlorine

☐ % sat

(mg/L)

Temp
(C)28.4

pH

7.4Sample
Depth0.3☐ ft
☒ mSp. Conductance
(umho/cm)23,630

A

MONCRIEF CREEK NEAR MOUTH

Field ID:



FB 07292019

Latitude

☐ dd

Longitude

☐ dms☐ dd

Salinity

☐ dms

(ppt)

Comments

☐ Comp
☒ Grab

Collection (comp begin or grab)

Date 7-29-2019 Time 1055
☒ Eastern
☐ Central

Composite end

Date Time

Bottle
Group(s)Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen

☐ mg/L

Total Res. Chlorine

☐ % sat

(mg/L)

Temp
(C)

pH

Sample
Depth☐ ft
☐ mSp. Conductance
(umho/cm)

D

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

A. Kalmbacher
7-29-2019
1500
Fed Ex2

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

Florida Department of Environmental Protection

Central Laboratory Submittal Form

LSJR North Boat

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. ParrishField Report Prepared By: A. Kalmbacher

Project ID: SMP

Collected By: B. DavisSampling Agency: FDEP/NE ROC

WIN ID/Field ID:



20030133

RIBAUT RIVER AT US-1

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>7-29-2019</u> Time <u>1240</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2) B
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>4.2</u> ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Temp (C) <u>26.2</u>	pH <u>6.9</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>227</u>	
Salinity (ppt) <u>0.11</u>				

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

WIN ID/Field ID:



20030129

RIBAUT R MONCRIEF RD BR

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>7-29-2019</u> Time <u>1015</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) B
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>3.55</u> ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Temp (C) <u>26.3</u>	pH <u>6.92</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>303</u>	
Salinity (ppt) <u>0.14</u>				

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

WIN ID/Field ID:



20030114

MONCRIEF CR LEM TURNER RD BR/
NORWOOD AVE

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>7-29-2019</u> Time <u>1210</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) A
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>3.8</u> ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Temp (C) <u>27.6</u>	pH <u>7.0</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>2521</u>	
Salinity (ppt) <u>1.29</u>				

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	<u>Eastern</u> 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: A. Kalmbacher

Date/Time

7-29-2019

Shipping Method

FedEx

Number of Coolers Shipped:

2

Received By:

Date/Time

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

Group: C Bottle Type: P-500ML # of Bottles: 1 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 1

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-1L # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab 1

ALKALINITY

TURBIDITY

W-BR-IC

W-F

W-TSS

Group: D 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: D Bottle Type: P-125ML # of Bottles: 1 Preservative: FILTER-ICE Enter Number of Bottles Sent to Lab 1

W-PO4-F

