

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:

5+itch

RQ:

LSR Downtown

Project:

Boat → RA2019-08-19-03
BAP AK

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 6/18

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.	Brian Davis	8/19/19	739	24.0	759	8.4	8.38	99.8	/	/	P/F	L/F
ICV			741	24.1	759	8.4	8.38	99.8	/	/	P/F	L/F
CCV	AK Imbacher	8-19-19	250	23.4	759	8.5	8.58	100.5	—	—	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.	B - V -	8/19/19	743	190711B	7/20	1005	1000	P/F	L/F
ICV			746	719820	12/19	24,820	25048	P/F	L/F
CCV	AK Imbacher	8-19-19	1255	190711B	7/20	1000	1004	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.	B - V -	8/19/19	748	290278	1/21	7.0	24.5	7.01	-76.3	P/F	L/F
Calibr.			752	2904800	3/21	4.0	24.5	4.0	102.5	P/F	L/F
Calibr.			755	2901851	7/20	10.01	24.5	10.01	-248	P/F	L/F
ICV			756	2902778	1/21	7.0	24.5	7.01	-77.7	P/F	L/F
CCV	AK Imbacher	8-19-19	1300	2901851	7/20	10.0	24.1	10.03	249.8	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						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: BIG POTTSBURG CR ATL BLVD

Date: 08/20/2019
(mm/dd/yyyy)

WIN/Field ID: 20030072

WBID: 2265D

Latitude: 30.31266

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.595611

(Decimal Degrees)

Receiving Body of Water: Arlington River

RQ-2019- 08-19-13

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Amy Kalmbacher						☒	☒	☒	☒	☒	☐ Sample Container ☒ Van Dorn ☐ Pole				
C Ruben						☐	☒	☒	☒	☒	☐ Carboy ☐ Syringe				
						☐	☐	☐	☐	☐	☐ Dipper ☐ Other				
											Depth Measured with <u>meter</u>				
											Equipment ID <u>Orfno #7</u>				
											Collection Method				
						☐ Wading	☐ Canoe/Kayak				☐ From Shore	☐ Electric Motor			
						☒ Other <u>Bridge</u>	☐ Gasoline Motor								
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded						Meter ID# <u>PRODSS Stitch</u>			Matrix: Fresh / <u>Marine</u> / DI						
Photos: Yes / <u>No</u> Flow: No Flow / Intestital / <u>Flowing</u> / NA						Tide: Rising/ Falling/ Slack/ NA			Tide Times: High Low						
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)					
EST	0930	1.9	0.3	1.0	5.6	72	7.36	1.30	2541	27.8					
CEN	0934		1.4		5.5	71	7.34	1.31	2550	27.8					
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>NA9099030</u>	<u>4/20</u>	☒ <2						
Metals	☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO3	<u>SA9010030</u>	<u>4/20</u>	☒ <2						
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter					☒ Ice	<u>89BA868</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									
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									

Notes:

WIN ID/Field ID:



20030072

BIG POTTSBURG CR ATL BLVD

Signature:

A. Kalmbacher

Date:

8-19-2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: LITTLE POTTSBURG CREEK AT ATLANTIC BLVD

Date: 8-28-2019

(mm/dd/yyyy)

WIN/Field ID: 20030679

WBID: 2284A

Latitude: 30.311138

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.608833

(Decimal Degrees)

Receiving Body of Water: Arlington River

RQ-2019- 08-19-13

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Amy Kalmbacher					☒	☒				☐ Sample Container	☒ Van Dorn	☐ Pole		
C. Ruker					☒	☒	☒	☒		☐ Carboy	☐ Syringe			
										☐ Dipper	☐ Other			
										Depth Measured with <u>meter</u>				
										Equipment ID <u>Ortho Kit 7</u>				
										Collection Method				
										☐ Wading	☐ Canoe/Kayak			
										☐ From Shore	☐ Electric Motor			
										☒ Other <u>Bridge</u>	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low <u>(Normal)</u> / High / Flooded					Meter ID# <u>YSI ProDSS</u> <u>Stitch</u>					Matrix: Fresh / <u>(Marine)</u> DI				
Photos: Yes ☒ No ☐					Flow: No Flow / Intertidal <u>(Flowing)</u> / NA					Tide: Rising/Falling/ Slack/ NA				
Tide Times: High Low <u>~</u>														
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	S _i COND (µmhos/cm)	Temp. (C°)				
EST	<u>1020</u>	<u>2.0</u>	<u>0.3</u>	<u>0.8</u>	<u>7.07</u>	<u>92</u>	<u>7.86</u>	<u>1.33</u>	<u>2596</u>	<u>28.7</u>				
CEN			<u>1.5</u>		<u>7.04</u>	<u>91</u>	<u>7.84</u>	<u>1.32</u>	<u>2576</u>	<u>28.7</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 ☒ H ₂ SO ₄		<u>SA9010030</u>		<u>4/2020</u> ☒ <2			
Metals		☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO ₃		<u>NA909030</u>		<u>4/2020</u> ☒ <2			
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice							
Chlorophyll		☒ CHL5UITE-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					☐ 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:



20030679

LITTLE POTTSBURG CREEK AT ATLANTIC BLVD

Signature:

[Handwritten Signature]

Date:

8-19-2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / No

WIN Station Name: Arlington River at Carlton Oaks

19
Date: 8-29-2019
(mm/dd/yyyy)

WIN/ Field ID: G2NE1152

WBID: 2265A

Latitude: 30.31667

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.604205

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 08-19-13

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

Sampling Equipment			
☒ Sample Container	☐ Van Dorn	☒ Pole	
☐ Carboy	☐ Syringe		
☐ Dipper	☐ Other		
Depth Measured with <u>meter</u>			
Equipment ID <u>CR the #7</u>			

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

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded				Meter ID# <u>PRODS5 stitch</u>		Matrix: Fresh / <u>Marine</u> / DI	
Photos: Yes / <u>No</u>		Flow: No Flow / Intestinal / <u>Flowing</u> / NA		Tides: 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	1000	0.71	0.3	0.6	7.19	92.2	7.78	0.83	1647	27.9
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>SA9010030</u>	<u>4/20</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>NA9099030</u>	<u>4/20</u>	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	<u>R90486875</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	Contains: 1:1 H2SO4 Lot No.: SA9010030 Expires: 04/10/20 See Safety Data Sheet (SDS)		
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:



G2NE1152

Arlington River at Carlton oaks

Signature: Chryse R

Date: 8/19/19

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: Strawberry Creek 0.5mi upstream of mouth

Date: 08/20/2019
(mm/dd/yyyy)

WIN/Field ID: G2NE1177

WBID: 2239

Latitude: 30.322204

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.58794

(Decimal Degrees)

Receiving Body of Water: Arlington River

RQ-2019- 08-19-13

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Amy Kalmbacher							X				☒ Sample Container	☐ Van Dorn	☒ Pole		
C. Ruben						X		X			☐ Carboy	☐ Syringe			
											☐ Dipper	☐ Other			
											Depth Measured with <u>meter</u>				
											Equipment ID <u>NONE</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>PRO DSS 511ch</u>			Matrix: <u>Fresh</u> / Marine / DI						
Photos: Yes / <u>No</u>						Flow: No Flow / Intertidal / <u>Flowing</u> / 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 (umhos/cm)	Temp. (C°)					
EST	0915	1.02	0.3	0.9	3.06	37.4	7.06	0.47	957	25.7					
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				☐ <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:

WIN ID/Field ID:



G2NE1177

Strawberry Creek 0.5mi upstream of mouth

Signature:

Chylene R

Date:

8/19/19

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)

QA/QC Sample Information Duplicate

Time Zone: EST CEN Time: 1025		Field ID: 20030679 Dup (WIN ID + DUP)			
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	SA9010030	4/2020	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA9099030	4/2020	☒ <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-F / W-TSS / TURBIDITY	☒ Ice			
Microbiology	☐ E Coli ☐ F Coli ☒ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

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

Contains: 1:1 HNO₃
Lot No.: NA9099030
Expires: 04/09/20
See Safety Data Sheet (SDS)

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

Contains: 1:1 HNO₃
Lot No.: NA9099030
Expires: 04/09/20
See Safety Data Sheet (SDS)

Blank

Time Zone: EST CEN Time: 1035		Field ID: (BLANK_QDMMYYYY)			
DI Source: NE ROL Lab		Location: Little Pottsburg Creek @ Atlantic Blvd			
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipment ID: Ortho Kit 7			
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	SA9010030	4/2020	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA9099030	4/2020	☒ <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-F / W-TSS / TURBIDITY	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Contains: 1:1 HNO₃
Lot No.: NA9099030
Expires: 04/09/20
See Safety Data Sheet (SDS)

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

Note

Field ID: 20030679 DUP
Location: LITTLE POTTSBURG CREEK AT ATLANTIC BLVD
WIN ID: 20030679

LITTLE POTTSBURG CREEK AT ATLANTIC BLVD
Field ID: FB 08202019

Signature: *[Signature]*

Date: 8-19-2019

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)

LSJR Downtown Boat

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By: A. Kalmbacher

Project ID: SMP

Collected By: C. Ruben

Sampling Agency: FDEP/NE ROC

WIN ID/Field ID: 20030072 BIG POTTSBURG CR ATL BLVD	☐ Comp ☒ Grab Collection (comp begin or grab) Date 8-19-2019 Time 0930 Matrix (type, e.g., Salt, <u>Fresh</u> , etc) Temp (C) 27.8 pH 7.36 Salinity (ppt) 1.30 Comments	Eastern Central Composite end Date Time Diss. Oxygen 5.6 mg/L ☐ % sat Total Res. Chlorine (mg/L) Sample Depth 0.3 ft ☒ m Sp. Conductance (umho/cm) 2541	Bottle Group(s) (See pg 2) C
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms			
WIN ID/Field ID: 20030679 LITTLE POTTSBURG CREEK AT ATLANTIC BLVD	☐ Comp ☒ Grab Collection (comp begin or grab) Date 8-19-2019 Time 1020 Matrix (type, e.g., Salt, <u>Fresh</u> , etc) Temp (C) 28.7 pH 7.86 Salinity (ppt) 1.33 Comments	Eastern Central Composite end Date Time Diss. Oxygen 7.07 mg/L ☐ % sat Total Res. Chlorine (mg/L) Sample Depth 0.3 ft ☒ m Sp. Conductance (umho/cm) 2596	Bottle Group(s) B
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms			
WIN ID/Field ID: G2NE1152 Arlington River at Carlton oaks	☐ Comp ☒ Grab Collection (comp begin or grab) Date 8-19-2019 Time 1000 Matrix (type, e.g., Salt, <u>Fresh</u> , etc) Temp (C) 27.9 pH 7.78 Salinity (ppt) 0.83 Comments	Eastern Central Composite end Date Time Diss. Oxygen 7.19 mg/L ☐ % sat Total Res. Chlorine (mg/L) Sample Depth 0.3 ft ☒ m Sp. Conductance (umho/cm) 1647	Bottle Group(s) B
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms			
WIN ID/Field ID: G2NE1177 Strawberry Creek 0.5mi upstream of mouth	☐ Comp ☒ Grab Collection (comp begin or grab) Date 8-19-2019 Time Matrix (type, e.g., Salt, <u>Fresh</u> , etc) Temp (C) 25.7 pH 7.06 Salinity (ppt) 0.47 Comments	Eastern Central Composite end Date Time Diss. Oxygen 3.06 mg/L ☐ % sat Total Res. Chlorine (mg/L) Sample Depth 0.3 ft ☒ m Sp. Conductance (umho/cm) 957	Bottle Group(s) A
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms			

Relinquished By: A. Kalmbacher	Date/Time: 8-19-2019 1330	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By:	Date/Time:
--------------------------------	---------------------------	------------------------	------------------------------	--------------	------------

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	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	0
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 → Sent to Contract Lab
	NE-ALS-ECQ						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
	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	0
	W-PO4-F						
Group: B	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: B	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3 → Sent to Contract Lab
	NE-ALS-ENQ						
Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	3
	W-ICP						

LSJR Downtown Boat

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

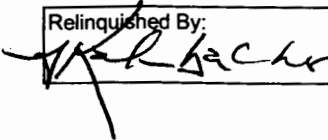
Field Report Prepared By: A. Kalmbacher

Project ID: SMP

Collected By: C. Ruben

Sampling Agency: FDEP / NE ROC

LITTLE POTTSBURG CREEK AT ATLANTIC BLVD		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8-19-2019 Time 1035	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID:		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	D
Latitude	☐ dd Longitude ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
		☐ dd Salinity ☐ dms (ppt)		Comments			
20030679 DUP		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8-19-2019 Time 1025	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)	B
Location :	LITTLE POTTSBURG CREEK AT ATLANTIC BLVD	Temp (C)	pH	Sample Depth	☐ ft ☒ m	Sp. Conductance (umho/cm)	
WIN ID		☐ dd Salinity ☐ dms (ppt)		Comments			
20030679		☐ 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 Longitude ☐ dms	☐ dd Salinity ☐ dms (ppt)	Comments			
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude		☐ dd Longitude ☐ dms	☐ dd Salinity ☐ dms (ppt)	Comments			
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude		☐ dd Longitude ☐ dms	☐ dd Salinity ☐ dms (ppt)	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	8-19-2019	FedEx	2		

1330

Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>3</u>
W-ICPMS							
Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>3</u>
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	<u>3</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-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</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							
W-E8321-MS							
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>1</u>
W-ICP							
W-ICPMS							
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							

→ Sent to Contract Lab

Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	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: HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP					
	W-ICPMS					
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					

