

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.	<u>K. Appleby</u>	<u>11/20/19</u>	<u>750</u>	<u>21.6</u>	<u>763.9</u>	<u>8.9</u>	<u>8.84</u>	<u>100.5</u>	-	<u>1.04</u>	<u>P</u> /F	<u>D</u> /F
ICV	<u>↓</u>	<u>↓</u>	<u>752</u>	<u>21.7</u>	<u>763.9</u>	<u>8.9</u>	<u>8.82</u>	<u>100.5</u>	-	<u>1.04</u>	<u>P</u> /F	<u>D</u> /F
CCV	<u>↓</u>	<u>↓</u>	<u>1546</u>	<u>21.5</u>	<u>763.4</u>	<u>8.9</u>	<u>8.89</u>	<u>100.8</u>	-	<u>1.04</u>	<u>P</u> /F	<u>D</u> /F
CCV			<u>1546</u>								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.	<u>K. Appleby</u>	<u>11/20/19</u>	<u>755</u>	<u>190711B</u>	<u>7/2020</u>	<u>1000</u>	<u>1000</u>	<u>P</u> /F	<u>D</u> /F
ICV	<u>↓</u>	<u>↓</u>	<u>756</u>	<u>190711A</u>	<u>7/2020</u>	<u>100</u>	<u>104.4</u>	<u>P</u> /F	<u>D</u> /F
CCV	<u>↓</u>	<u>↓</u>	<u>1548</u>	<u>191025B</u>	<u>11/2020</u>	<u>20000</u>	<u>19741</u>	<u>P</u> /F	<u>D</u> /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.	<u>B. Appleby</u>	<u>11/20/19</u>	<u>802</u>	<u>2902778</u>	<u>1/2021</u>	<u>7.00</u>	<u>22.7</u>	<u>7.00</u>	<u>-36.8</u>	<u>P</u> /F	<u>D</u> /F
Calibr.	<u>↓</u>	<u>↓</u>	<u>806</u>	<u>2907D62</u>	<u>7/2021</u>	<u>4.00</u>	<u>22.8</u>	<u>4.00</u>	<u>119.6</u>	<u>P</u> /F	<u>D</u> /F
Calibr.	<u>↓</u>	<u>↓</u>	<u>808</u>	<u>2904E91</u>	<u>10/2020</u>	<u>10.00</u>	<u>22.6</u>	<u>10.00</u>	<u>-202.2</u>	<u>P</u> /F	<u>D</u> /F
ICV	<u>↓</u>	<u>↓</u>	<u>817</u>	<u>2907D62</u>	<u>7/2021</u>	<u>4.00</u>	<u>22.5</u>	<u>3.96</u>	<u>150.1</u>	<u>P</u> /F	<u>D</u> /F
CCV	<u>↓</u>	<u>↓</u>	<u>1550</u>	<u>2904E91</u>	<u>10/2020</u>	<u>10.00</u>	<u>22.9</u>	<u>10.04</u>	<u>-205.6</u>	<u>P</u> /F	<u>D</u> /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: 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	<u>K. Appleby</u>	<u>11/20/19</u>	<u>824</u>	<u>0.00</u>	<u>0.00</u>	<u>P</u> /F	<u>D</u> /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: Arlington River at Carlton Oaks

Date: 11/20/19
(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- 11-11-19

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
B Davis									
K Appleby									

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with well #1		
Equipment ID 0-16-1		

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

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded
Photos: Yes ☒ No ☐ Flow: No Flow / Intestinal / Flowing / NA
Meter ID# Desi Matrix: Fresh ☒ Marine ☐ DI
Tide: Rising/ Falling/ Slack/ NA Tide Times: High 1550 Low 1000

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Seachl Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1035	1.0	0.3	void (S)	7.29	77.4	7.35	7.15	12410	16.1
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	SA9203100	7/22/20	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	NA9189080	7/8/20	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	R98A6875		
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	☐ Ice			

Notes:

WIN ID/Field ID: G2NE1152

Arlington River at Carlton Oaks

Signature: B = D = Date: 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: (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: LITTLE POTTSBURG CREEK AT ATLANTIC BLVD

Date: 11/20/19
(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)

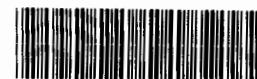
Receiving Body of Water: Arlington River

RQ-2019- 11-11-14

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
K. Appleby B. Davis					☒	☒	☒	☒	☒	☒ Sample Container	☒ Van Dorn	☐ Pole		
										☐ Carboy	☐ Syringe	☐ Other		
										Depth Measured with Well #1				
										Equipment ID Ortho kit #3				
										Collection Method				
					☐ Wading	☐ Canoe/Kayak	☐ Electric Motor							
					☐ From Shore	☐ Gasoline Motor								
					☐ Other									
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded					Meter ID# Dec 1					Matrix: Fresh / <u>Marine</u> / DI				
Photos: Yes / <u>No</u>					Flow: No Flow / Intertidal / <u>Flowing</u> / NA					Tide: Rising / <u>Falling</u> / Slack / NA				
Tide Times: High 1620 Low 1020														
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	0.7	0.3	0.7	7.20	76.8	7.31	8.13	14156	15.9				
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	SA9203100	7/2020	☒ <2					
Metals	☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO3	NA918908	5/12/20	☒ <2					
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice	R93A80879							
Chlorophyll	☒ CHLSUITE-W					☒ Ice								
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS					☐ Ice	Contains: 1:1 H2SO4 Lot No.: SA9203100 Expires: 07/22/20 See Safety Data Sheet (SDS)							
Physical/Aggregate (Marine)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					☒ Ice	Contains: 1:1 HNO3 Lot No.: NA9129070 Expires: 05/09/20 See Safety Data Sheet (SDS)							
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.



20030679

LITTLE POTTSBURG CREEK AT ATLANTIC BLVD

Signature:

Date: 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)



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: 11/20/2019
(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-2019-11-11-14

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
K. Appleby						X	X	X	X	X
B. Davis						X	X	X	X	X

Sampling Equipment			
☒ Sample Container	☐ Van Dorn	☐ Pole	
☐ Carboy	☐ Syringe		
☐ Dipper	☐ Other		
Depth Measured with Well #1			
Equipment ID #100 or the Kit #3			
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>DS1</u>		Matrix: Fresh / Marine/ DI					
Photos: Yes ☒ No		Flow: No Flow / Intertidal / <u>Flowing</u> / NA		Tide: Rising / <u>Falling</u> / Slack/ NA		Tide Times: High <u>1620</u> Low <u>1020</u>					
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>955</u>	<u>2.9</u>	<u>0.3</u>	<u>1.2</u>	<u>6.39</u>	<u>65.2</u>	<u>7.15</u>	<u>3.18</u>	<u>5836</u>	<u>15.4</u>	
<u>CEN</u>	<u>957</u>		<u>2.4</u>		<u>6.33</u>	<u>64.8</u>	<u>7.19</u>	<u>3.62</u>	<u>6585</u>	<u>15.4</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>SA9203100</u>	<u>7/2020</u>	☒ <2	
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3		<u>NA9124070</u>	<u>5/2020</u>	☒ <2	
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice		<u>R93A86875</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				☒ 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					

Contains: 1:1 HNO3
Lot No.: NA9124070
Expires: 05/09/20
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No.: NA9124070
Expires: 05/09/20
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Notes:

WIN ID/Field ID:



20030072

BIG POTTSBURG CR ATL BLVD

Signature:

[Handwritten Signature]

Date:

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)

QA/QC Sample Information **Duplicate**

Time Zone: <u>(EST)</u> CEN		Time: <u>1000</u>		Field ID: <u>20030072 DUP</u>	
(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 ☒ H2SO4	SA9203100	7/2020	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	NA9129070	5/2020	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	R93A86875		
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-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 HNO3
Lot No.: NA9129070
Expires: 05/09/20
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No.: NA9129070
Expires: 05/09/20
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No.: NA9129070
Expires: 05/09/20
See Safety Data Sheet (SDS)

Blank

Time Zone: <u>(EST)</u> CEN		Time: <u>1005</u>		Field ID: <u>FB 01102019</u>	
(BLANK_DDMYYYYY)					
DI Source: <u>NE DI</u>		Location: <u>Big Pottsburg Cr ATL Blvd</u>			
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipment ID: <u> </u>			
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	SA9203100	7/2020	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	NA9129070	5/2020	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	R93A86875		
Chlorophyll	☒ CHLSUITE-W <u>KA</u>	☒ Ice <u>KA</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			
Microbiology	☐ E Coli ☐ F Coli ☒ Enterococci <u>KA</u>	☒ Ice <u>KA</u>			
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 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No.: NA9129070
Expires: 05/09/20
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No.: NA9129070
Expires: 05/09/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No.: NA9129070
Expires: 05/09/20
See Safety Data Sheet (SDS)

Notes:		Field ID: <u>20030072 DUP</u>		Location: <u>BIG POTTSBURG CR ATL BLVD</u>	
Location: <u>BIG POTTSBURG CR ATL BLVD</u>		WIN ID: <u>20030072</u>		FIELD ID: <u>FB 01102019</u>	
Signature: <u>[Signature]</u>		Date: <u>11/20/2019</u>			

Enter Field Parameters, Verify Station ID in LIMS DMT: <u> </u>	QC Station ID, Field Parameters in LIMS DMT: <u> </u>
Scan/Save Field Sheets <u> </u>	Verify Data in WIN: <u> </u>

LSJR Downtown Boat

Customer: NE-DIST

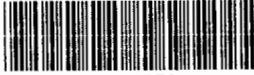
Requester: Jeremy M. Parrish

Field Report Prepared By: K. Appleby

Project ID: SMP

Collected By: Kim Appleby & Brian Davis

Sampling Agency: FDEP NE ROL

Location	WIN ID/Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/20/19 Time 1035	Eastern Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)	
Field ID		G2NE1152	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 7.29	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/STOR	Arlington River at Carlton oaks		Temp (C) 16.1	pH 7.35	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 12410	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 7.15	Comments			A
Location	WIN ID/Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/20/19 Time 1055	Eastern Central	Composite end Date — Time —	Bottle Group(s)	
Field ID		20030679	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 7.20	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/ST	LITTLE POTTSBURG CREEK AT ATLANTIC BLVD		Temp (C) 15.9	pH 7.31	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 14156	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 8.13	Comments			A
Location	WIN ID/Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/20/19 Time 955	Eastern Central	Composite end Date — Time —	Bottle Group(s)	
Field ID		20030072	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 6.39	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/STORET #	BIG POTTSBURG CR ATL BLVD		Temp (C) 15.4	pH 7.15	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 5836	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 3.18	Comments			B
Location	Location:	BIG POTTSBURG CR ATL BLVD	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/20/19 Time 1005	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/STOR	FIELD ID:		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			L

Relinquished By: K. Appleby	Date/Time 11/20/19 1530	Shipping Method Fed Ex	Number of Coolers Shipped: 2	Received By:	Date/Time
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Florida Department of Environmental Protection

Central Laboratory Submittal Form

LSJR Downtown Boat

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Field Report Prepared By: K. Appleby

Collected By: Kim Appleby + Brian Davis

Sampling Agency: FDEP NE ROC

Local	Field ID: 20030072 DUP		☐ Comp ☒ Grab		Collection (comp begin or grab)	Eastern Central	Composite end	Bottle Group(s)
Field	Location: BIG POTTSBURG CR ATL BLVD		Date 11/20/19		Time 1000		Date — Time —	(See pg 2)
WIN:	WIN ID: 20030072		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	
Comments								
Location	Field ID		☐ Comp ☐ Grab		Collection (comp begin or grab)	Eastern Central	Composite end	Bottle Group(s)
Field ID	WIN/STORET #		Date		Time		Date	Time
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Field ID	Temp (C)		pH		Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	Field ID		☐ Comp ☐ Grab		Collection (comp begin or grab)	Eastern Central	Composite end	Bottle Group(s)
Field ID	WIN/STORET #		Date		Time		Date	Time
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Field ID	Temp (C)		pH		Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	Field ID		☐ Comp ☐ Grab		Collection (comp begin or grab)	Eastern Central	Composite end	Bottle Group(s)
Field ID	WIN/STORET #		Date		Time		Date	Time
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Field ID	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
K. Appleby	11/20/19 1530	Fed Ex	2		

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4 → Sent ALS</u>
	NE-ALS-ENQ						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	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						
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	CHLSUITE-W						
Group: B	Bottle Type:	P-120ML-WC-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4 → Sent to ALS</u>
	NE-ALS-ENQ						
Group: B	Bottle Type:	QPCR-P-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>—</u>

Group: B	Bottle Type: QPCR-P-500ML PCR-HF183	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-500ML W-ICP W-ICPMS	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: P-1L ALKALINITY TURBIDITY W-BR-IC W-F W-TSS	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: P-500ML W-ICP W-ICPMS	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN	# 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	<u>1</u>
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W-TOC

Group: C	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
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W-PO4-F

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

SR #

ALS Contact

Page of

Project Name LSJR Downtown Best		Project Number R-2019-11-11-14													
Report To Jeremy Parrish		Report CC Dep-overflowmicro@dep.state.fl.us													
Company/Address 8800 Baymeadows Way W Jacksonville, FL 32256															
FDEP NE ROC															
Phone # (904)256-1700		FAX #													
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name Kimberly Appleby													
CLIENT SAMPLE ID		LAB ID		SAMPLING DATE TIME		Matrix									
20030072				11/20/19 955 SW		SW									
20030072 DUP				11/20/19 1000 SW		SW									
G2NE1152				11/20/19 1035 SW		SW									
20030679				11/20/19 1055 SW		SW									
Special Instructions/Comments: O.O.				TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) X STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No				INVOICE INFORMATION P.O. # Bill to:			
Relinquished By Signature <i>[Signature]</i> Printed Name K. Appleby Firm FDEP NE ROC Date/Time 11/20/19 1433		Received By Signature <i>[Signature]</i> Printed Name Benjamin Firm AGS Date/Time 11/20/19 1434		Relinquished By Signature Printed Name Firm Date/Time		Received By Signature Printed Name Firm Date/Time		Relinquished By Signature Printed Name Firm Date/Time		Received By Signature Printed Name Firm Date/Time					