

CALIBRATION AND VERIFICATION LOG (FDEP 50P FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: Desi

RQ: 2019-07-22-10

Project: LSJR West 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 6/19

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.	Brian Davis	7/25/19	755	23.2	761	8.6	8.56	100.2	/	/	P/F	L/F
ICV			757	23.3	761	8.5	8.55	100.3	/	/	P/F	L/F
CCV	AKalmbacher	7-25-19	1500	25.2	762	8.3	8.24	99.9	—	—	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.	Brian Davis	7/25/19	802	190430A	5/20	1000	999	P/F	L/F
ICV			807	719820	12/19	24,820	24,720	P/F	L/F
CCV	AKalmbacher	7-25-19	1505	190711C	7/2020	50,000	50,373	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.	Brian Davis	7/25/19	814	2904C54	3/21	7.0	24.4	7.01	-15.3	P/F	L/F
Calibr.			817	2904B00	3/21	4.0	25.0	7.01	164.9	P/F	L/F
Calibr.			819	2901B51	7/20	10.01	23.8	10.01	-189.1	P/F	L/F
ICV			822	2904C54	3/21	7.0	24.4	7.05	-15.8	P/F	L/F
CCV	AKalmbacher	7-25-19	1510	2901B51	7/2020	10.0	24.5	10.02	-190.7	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	B = P =	7/25/19	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:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: ORTEGA R BR ROOSEVELT BLVD US 17

Date: 07/25/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030077

WBID: 2213P1

Latitude: 30.273416

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.717083

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 07-22-10

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Choyenne Ruben B. Davis						✓	✓	✓	✓	✓
Amy Kalmbacher						✓	✓	✓	✓	✓

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

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

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

Meter ID# Desi Matrix: Fresh / Marine / DI

Photos: Yes No Flow: No Flow / Intestinal / Flowing / NA Tide: Rising / Falling / Slack / NA Tide Times: High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	<u>11:20</u>	<u>2.0</u>	<u>0.3</u>	<u>0.8</u>	<u>6.50</u>	<u>86.1</u>	<u>7.72</u>	<u>1.93</u>	<u>3688</u>	<u>29.4</u>
CEN	<u>11:55</u>		<u>1.5</u>		<u>6.07</u>	<u>80.3</u>	<u>7.66</u>	<u>1.93</u>	<u>3694</u>	<u>29.3</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>SA8344070</u>	<u>12/2019</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>NA8344050</u>	<u>12/2019</u>	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	<u>RTB186875</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 ☐ 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			

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)

Notes:

WIN ID/Field ID: 20030077

ORTEGA R BR ROOSEVELT BLVD US 17

Signature: A. Kalmbacher Date: 7-25-2019

LIMS EVENT ID: WIN Import ID: QC Station ID, Field Parameters in LIMS DMT:

Enter Field Parameters, Verify Station ID in LIMS DMT: Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data in WIN: (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / No

WIN Station Name: FISHING CRK AT PUBLIC BOAT RAMP OFF SEABOARD AV

Date: 07/25/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030617

WBID: 2324

Latitude: 30.26000

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.7275

(Decimal Degrees)

Receiving Body of Water: Cedar River

RQ-2019- 07-22-10

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyanne Ruben <i>B Davis</i>					☒	☒	☒	☒	☒	☐ Sample Container	☐ Van Dorn	☒ Pole		
Amy Kalmbacher					☒	☒	☒	☒	☒	☐ Carboy	☐ Syringe			
					☒	☒	☒	☒	☒	☐ Dipper	☐ Other			
										Depth Measured with <i>Yes</i>				
										Equipment ID <i>04760 94</i>				
										Collection Method				
										☐ Wading	☐ Canoe/Kayak			
										☐ From Shore	☐ Electric Motor			
										☒ Other <i>Dock</i>	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded					Meter ID# <i>Desi</i>					Matrix: Fresh / <u>Marine</u> / DI				
Photos: Yes / No		Flow: No Flow / <u>Intestinal</u> / <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 (µmhos/cm)	Temp. (C°)				
EST	1120	1.7	0.3	0.8	6.14	80.2	7.27	1.32	2572	28.8				
CEN	1125		1.2		4.47	57.8	7.15	1.38	2685	28.2				
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		<i>SA8344070</i>	<i>12/2019</i>	☒ <2				
Metals	☐ W-ICPMS ☐ W-ICP					☒ Ice ☒ HNO3		<i>NA8344050</i>	<i>12/2019</i>	☒ <2				
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter					☒ Ice		<i>FA86875</i>						
Chlorophyll	☒ CHLSUITE-W					☒ Ice								
Physical/Aggregate (Fresh)	☒ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-CH-IC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ W-TDS					☒ Ice								
Physical/Aggregate (Marine)	☒ Alkalinity / ☐ W-BR-IC / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY					☒ Ice								
Macroinvertebrates	☐ MI-FW-QLDC					☐ Formalin								
Periphyton	☐ ALGAE-ID					☐ Ice								
Microbiology	☒ E Coli ☐ F Coli ☒ Enterococci <i>AK</i>					☐ 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:



20030617

FISHING CRK AT PUBLIC BOAT RAMP
OFF SEABOARD AV

Signature: *A Kalmbacher*

Date: 7-25-2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: GOODBYS CR @ SR-13

Date: 07/25/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030518

WBID: 2326B

Latitude: 30.215833

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.616944

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 07-22-10

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
										☒ Sample Container	☐ Van Dorn	☒ Pole		
										☐ 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>Dock</u>	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded					Meter ID# <u>YSI Pro DSS</u>					Matrix: Fresh / <u>Marine</u> / DI				
Photos: Yes / <u>No</u> / Flow: No Flow / Intestinal / <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°)				
<u>EST</u>	<u>1240</u>	<u>0.88</u>	<u>0.3</u>	<u>0.8</u>	<u>3.8</u>	<u>50</u>	<u>7.04</u>	<u>0.20</u>	<u>417</u>	<u>27.4</u>				
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>SAB197090</u>	<u>7/2019</u>	☒ <2					
Metals	☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO3	<u>NA8344050</u>	<u>2/2019</u>	☒ <2					
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter					☒ Ice	<u>R9B18687</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 Coli ☒ Enterococci					☒ Ice								
Molecular	☐ PCR-FILTER ☐ PCR-BaR ☐ PCR-GULLZ ☐ 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:



20030518

GOODBYS CR @ SR-13

Signature: [Signature]

Date: 7-25-2019

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

Data Qualified?

Yes / No

January 2019

WIN Station Name: CEDAR CR BLANDING BLVD BR RT 21

Date: 07/25/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030083

WBID: 2213P2

Latitude: 30.27308

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.73333

(Decimal Degrees)

Receiving Body of Water: Ortega River

RQ-2019- 07-22-10

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Cheyanne Ruben B. DAVIS									☒ Sample Container	☐ Van Dorn	☒ Pole	
Amy Kalmbacher									☐ Carboy	☐ Syringe		
									☐ Dipper	☐ Other		
									Depth Measured with <u>water</u>			
									Equipment ID <u>Ortho Kit 7</u>			
									Collection Method			
									☐ Wading	☐ Canoe/Kayak		
									☐ From Shore	☐ Electric Motor		
									☒ Other <u>Dock</u>	☐ Gasoline Motor		
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded				Meter ID# <u>YSI Pro D Desi</u>				Matrix: Fresh <u>Marine</u> DI				
Photos: Yes <u>No</u>				Flow: No Flow / Intestinal / <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	1050	0.35	0.3	0.35	4.95	64	7.47	0.56	1144	28.7		
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	<u>SA8344070</u>	<u>12/2019</u>	☒ <2				
Metals	☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3	<u>NA8344050</u>	<u>12/2019</u>	☒ <2				
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice	<u>R9BAG6870</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:



20030083

CEDAR CR BLANDING BLVD BR RT 21

Signature: [Signature]

Date:

7-25-2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

Florida Department of Environmental Protection

Central Laboratory Submittal Form

LSJR West Boat

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parish

Field Report Prepared By: A. Kalmbacher

Collected By: B. Davis

Sampling Agency: FDEP/NE ROC

WIN ID/Field ID:



20030617

FISHING CRK AT PUBLIC BOAT RAMP
OFF SEABOARD AV

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>7-25-2019</u> Time <u>1120</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2) <u>C</u>	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>6.14</u>	☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Temp (C) <u>28.8</u>	pH <u>7.27</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m		Sp. Conductance (umho/cm) <u>2572</u>
Salinity (ppt) <u>1.32</u>					Comments

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

WIN ID/Field ID:



20030077

ORTEGA R BR ROOSEVELT BLVD US 17

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>7-25-2019</u> Time <u>1155</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) <u>B</u>	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>6.5</u>	☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Temp (C) <u>29.4</u>	pH <u>7.72</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m		Sp. Conductance (umho/cm) <u>3688</u>
Salinity (ppt) <u>1.93</u>					Comments

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

WIN ID/Field ID:



20030083

CEDAR CR BLANDING BLVD BR RT 21

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>7-25-2019</u> Time <u>1050</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) <u>B</u>	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Temp (C) <u>28.7</u>	pH <u>7.47</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m		Sp. Conductance (umho/cm) <u>1144</u>
Salinity (ppt) <u>0.56</u>					Comments

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

WIN ID/Field ID:



20030518

GOODBYS CR @ SR-13

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>7-25-2019</u> Time <u>1240</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) <u>A</u>	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>3.8</u>	☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Temp (C) <u>27.4</u>	pH <u>7.04</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m		Sp. Conductance (umho/cm) <u>4.7</u>
Salinity (ppt) <u>0.2</u>					Comments

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Relinquished By:

Date/Time

7-25-2019

Shipping Method

FedEx

Number of Coolers Shipped:

3

Received By:

Date/Time

1500

Group: A	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: 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-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	NE-ALS-ENQ						
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:	CH2CICOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
	W-CARB-AA						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-CT-CI-R W-PCL-SQ-R						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	AK-4 1
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	AK-4 1
	W-ICP W-ICPMS						
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: A	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4

→ Sent to Contract Lab

Group: A	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: ALKALINITY TURBIDITY W-BR-IC W-F W-TSS	P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	AKB 2
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: W-ICP W-ICPMS	P-500ML	# of Bottles: 2	Preservative: HNO3	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-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1

Group: C	Bottle Type: BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
CHLSUITE-W				
Group: C	Bottle Type: P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
NE-ALS-ECQ				
Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
W-ICP				
W-ICPMS				
Group: C	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: C	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
W-PO4-F				



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR #
ALS Contact

9143 Philips Highway, Suite 200. Jacksonville, FL 32256
Phone (904) 739-2277 / 800-695-7222 x06 / FAX (904) 739-2011
www.alsglobal.com

Page 1 of 1

Project Name LSJR W Boat		Project Number RA-2019-07-22-10		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																			
Report To Jeremy Parrish		Report CC dep.state.fl.us jeremy.m.parrish@		Preservative																Preservative Key			
Company/Address 8800 Baymeadows Way W STE 100 Jacksonville, FL 32256				NUMBER OF CONTAINERS E. Coli Enterococci																0. None 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other REMARKS			
Phone # 904-256-1700		FAX #																					
Sampler's Signature [Signature]		Sampler's Printed Name Amy Kalmbacher																					
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE TIME		Matrix																			
20030083		7-25-19	1050	SW	2	X																Fresh	
20030617		↓	1120	↓	2	X																Fresh	
20030077		↓	1155	↓	2	X																Fresh	
20030518		↓	1240	↓	2	X																Fresh	
Special Instructions/Comments: 0.0°C				TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) STANDARD REQUESTED FAX 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:											
SAMPLE RECEIPT: CONDITION/COOLER TEMP:				CUSTODY SEALS: Y N				REQUESTED REPORT DATE															
Relinquished By [Signature]		Received By [Signature]		Relinquished By [Signature]		Received By [Signature]		Relinquished By [Signature]		Received By [Signature]		Relinquished By [Signature]		Received By [Signature]									
Printed Name Amy Kalmbacher		Printed Name Burns Braun		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name									
Firm FDEP		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm									
Date/Time 7-25-2019 1415		Date/Time 7/28/19 1415		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time									



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Date Qualified?
Yes / No

WIN Station Name: SJR @ Ft. Caroline dock Date: 7/25/2018
(mm/dd/yyyy)
WIN/Field ID: G2NE1179 WBID: 2213B Latitude: 30.387120
(Decimal Degrees)
County: Duval ORG ID: 21FLA Longitude: 81.4905
(Decimal Degrees)
Receiving Body of Water: Atlantic Ocean RQ-2018- 07-22-08

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
B. Davis						X			X
A. Kalmbacher					X		X	X	

Sampling Equipment				
☐ Sample Container	☒ Van Dorn	☐ Pole		
☐ Carboy	☐ Syringe			
☐ Dipper	☐ Other			
Depth Measured with <u>meter</u>				
Equipment ID <u>Ortho Kit 4</u>				

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

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded
Meter ID# YSI ProD Desi Matrix: Fresh (Marine) DI
Photos: Yes / No Flow: No Flow / Interstitial / 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°)

EST	0945	5.3	0.3	<u>NAK</u>	5.6	81	7.96	21.1	33,560	28.1
CEN			4.8	1.1	5.6	81	7.98	24.9	39,320	27.7

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>SA8344070</u>	<u>12/2019</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>NA8344050</u>	<u>12/2019</u>	☒ <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-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-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-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

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)

ACID <61%
20-70%
NITRIC ACID
7723-14-9
Contains: 1:1 HNO3
Lot No: NA8344050
Expires: 12/10/19
See Safety Data Sheet (SDS)

Notes:

Signature: A. Kalmbacher Date: 7-25-2019

Place Label Here

LSJR Coast

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By: E. Robert A. Kalmbach

Project ID: SMP

Collected By: B. Davis
E. Robert A. KalmbachSampling Agency: DEAR NE DOC

WIN ID/Field ID:



G2NE1179

St. Johns River at Ft. Caroline dock

☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>7-25-2019</u> Time <u>0945</u>		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2) C	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
Temp (C) <u>28.1</u>	pH <u>7.96</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>33,560</u>				
Salinity (ppt) <u>21.1</u>		Comments						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms							
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 ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)				
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 ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)				
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 ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)				
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 ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)				

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

7-25-2019FedEx11500

Group: C	Bottle Type: BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
CHLSUITE-W				
Group: C	Bottle Type: P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
NE-ALS-ECQ				
Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
W-ICP				
W-ICPMS				
Group: C	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: C	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
W-PO4-F				

1
Sent to Contract Lab

