

McCoy, Ian

From: Kalmbacher, Amy
Sent: Friday, January 17, 2020 11:49 AM
To: McCoy, Ian; McDonald, Kelly
Cc: Watts, John; Ayres, Joshua
Subject: RE: Missing Paperwork (RQ-2020-01-13-27)

Ian:
All of the water quality samples for that site that *would* have been sent to Tallahassee for analysis were destroyed. The bacteria samples, however, were saved and sent to ALS for analysis. Sorry for the confusion – trying to adjust to brand new field sheets and find ways to accurately describe what transpired in the field.

Amy

From: McCoy, Ian
Sent: Friday, January 17, 2020 11:26 AM
To: McDonald, Kelly <Kelly.McDonald@FloridaDEP.gov>; Kalmbacher, Amy <Amy.Kalmbacher@dep.state.fl.us>
Cc: Watts, John <John.Watts@FloridaDEP.gov>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: Missing Paperwork (RQ-2020-01-13-27)

Good morning, we received RQ-2020-01-13-27, on the back of one of the sheets, it mentions that the duplicate was destroyed but the overflow paperwork mentions that a NE-ALS-ECQ sample was sent in. Was this sample sent in or was it also destroyed? Attached is the relevant paperwork.
Thank you for your time.

Ian McCoy
Laboratory Technician IV
850-245-8062
Florida Department of Environmental Protection

RQ- 2020-01-13-27

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 1/17/2020@ 9:45

Cooler Temperature*	Samples Frozen YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
		HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
2.2				8		✓			1278 4010 6429
2.3				7		✓			1278 4010 6418

*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO₃ and Formalin preserved samples do **NOT** have a temperature requirement. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; An NCR still is required.**

**Chain of Custody/ Field Sheet(s) Included?

Yes

No

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes

No

****Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

CONTAINER CHECK

**Evidence Tape on Bottles? Yes

No

If yes, is it intact?

Yes

No

**Caps on tight?

Yes

No

**Containers intact? Yes

No

**Sufficient Sample Volume: Yes

No

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes

No

Init: IM

Chlorine detected? (One container checked per Field ID)

Yes

No

Init:

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0?

Yes

No

NA

Init: IM

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?

Yes

No

NA

Init: IM

Coolers Unpacked/Checked by: IM

Date: 1/17/2020

NCRs (Y/N)? N

Event ID: LSJR Palatka 2020

NE-DIST-2020-01-17-01 (SMP)

Date Received: 17-JAN-2020 09:45

NCR #

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	REC_02_2018 EXP: 4/29/20
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	
pH Paper 0 – 13 Lot #	215517 EXP: 6/1/20
Chlorine Test Strips Lot #	8261 EXP: 7/2020

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No a

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes No

WIN Station Name: MOCCASSIN BRANCH AT WINFORD MASTERS RD

Date: 1/ 16/ 2020

WIN/ Field ID: 20030557

WBID: 2540

Latitude: 29.77147

(mm/dd/yyyy)

County: Putnam

ORG ID: 21FLA

Longitude: -81.47035

(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2020-01-13-27

(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher					
Kelly McDonald					

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☐ Pole
☐ Dipper	☐ Other
Depth Measured with YSI	
Equipment ID ortho kit 3	
Collection Method	
☒ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

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

Meter ID# YSI Pro DSS Desi

Photos: Yes No Flow: No Flow / Flowing / NA

Tide: Rising/ Falling/ Slack/ NA Tide Times: High Low

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Notes:

Duplicate Sample

Time Zone: EST CEN Time: Field ID: (WIN ID_DUP)

WIN DMT Activity ID:

Blank

Time Zone: EST CEN Time: Field ID: (Blank Type_DDMYYYY)

DI Source:

Location:

☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank

Equipment ID:

Signature: [Signature]

Date: 01-16-2020

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: (Initials/Date) QC Station ID, Field Parameters in LIMS DMT: (Initials/Date)

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data in WIN: (Initials/Date)



RQ-2020-01-13-27
Customer: 21FLA
Project ID: LSJR Blatka

Collected By: K-McDonald
Field Report Prepared By: A. R. Ambacher
Sampling Agency: FDEP / NE ROL

WIN ID/Field ID:



20030577

MILL BR. @ OLD SAN MATEO RD.

Comments:

Contains: 1:1 HNO3
Lot No.: N4834050
Expires: 12/10/19
See Safety Data Sheet (SDS)

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

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

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

Matrix: Fresh Marine

(Check one)

☒ GRAB

☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
1-16-20	1120	5.8	64	19.6	6.96	0.3	0.5	0.5	749	0.37
EST CST										

Central Lab please use top row for login purposes

EST / CST

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	☒ Ice ☒ H2SO4	☒ <2	1	A
	Lot # SA Exp:				
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☒ W-HARD	☒ Ice ☒ HNO3	☒ <2	1	A
	Lot # NA Exp:				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice		1	A
	Filter Lot # R9E132199 Exp:				
	Syringe Lot # Exp:				
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-C / W-COLOR / W-SO4-H-C / W-TDS	☒ Ice		1	A
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-4D	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E Coll ☐ F Coll ☐ Enterococci	☒ Ice		2 sent to ALS	A
	☐ Contract Lab				
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3	☐ Ice			
	☐ PCR-GULL2 ☐ PCR-GFD				
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			
		☐ Ice			

Relinquished By: [Signature] Date/Time: 1-16-20 1445 Shipping Method: FedEx Number of Coolers Shipped: 2 Received By: IM Date/Time: 1/17/20 9:45

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV
Yes / No

WIN Station Name: MILL BRANCH @ OLD SAN MATEO RD

Date: 1/16/2020
(mm/dd/yyyy)

WIN/ Field ID: 20030577

WBID: 2592

Latitude: 29.64672

(Decimal Degrees)

County: Putnam

ORG ID: 21FLA

Longitude: -81.59330

(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2020- 01-13-27

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher					
Kelly McDonald					

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>Ortho Kit 3</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☒ Other <u>Bridge</u>	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low <u>Normal</u> High / Flooded		Meter ID# <u>YSI RD DSS Desi</u>	
Photos: Yes <u>No</u>	Flow: No Flow <u>Flowing</u> NA	Tide: Rising/ Falling/ Slack/ NA	Tide Times: High Low
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#:
Notes:			

Duplicate Sample

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (Blank Type -DDMMYY)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

Signature: _____	Date: _____
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LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: _____ (Initials/Date) QC Station ID, Field Parameters in LIMS DMT: _____ (Initials/Date)

Scan/Save Field Sheets _____ (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data in WIN: _____ (Initials/Date)



RQ-2020- 01-13-27
Customer: FDEP
Project ID: WSR Palatka

Collected By: K. McDonald
Field Report Prepared By: A. Kalmbacher
Sampling Agency: FDEP

WIN ID/Field ID:



G2NE1210

Dunn Creek at Magnolia Tr.

Comments:

Matrix: Fresh / Marine

(Check one)

☒ GRAB

☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (umhos/cm)	Salinity (PPTH)
01-16-20	1200	6.9	78	24.0	7.30	0.3	0.65	1.83	792	0.39
EST / CST										
☐		☐ VOB (S)								

Cental Lab please use top row for login purposes

		6.8	76	20.0	7.27	1.80		1.83	772	0.38
EST / CST										

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-5-A-TP	☐ Ice ☐ H2SO4*	☐ <2		
	Lot # _____ Exp: _____				
Metals (P-500ML)	☐ W-KPMS ☐ W-ICP ☐ W-HARD	☐ Ice ☐ HNO3* ☐ <2			
	Lot # _____ Exp: _____				
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
	Filter Lot # _____ Exp: _____				
	Syringe Lot # _____ Exp: _____				
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
	☐ Contract Lab				
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3	☐ Ice			
	☐ PCR-GULL2 ☐ PCR-GFD ☐				
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			
		☐ Ice			

Relinquished By: A. Kalmbacher Date/Time: 01-16-20 Shipping Method: Fed/Ex Number of Coolers Shipped: 2 Received By: IM Date/Time: 1/17/20 9:45

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

1445



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: DunnCreek at Magnolia Tr.

Date: 1/16/2020

WIN/ Field ID: G2NE1210

WBID: 2606A

Latitude: 29.579982

(mm/dd/yyyy)

County: Putnam

ORG ID: 21 FLA

Longitude: -81.626388

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2020- 01-13-27

(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Kelly McDonald					
Amy Kalmbacher					

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>Ortho Kit 3</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☒ Other <u>Dock</u>	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded		Meter ID# <u>YSI Pro DSS Desi</u>	
Photos: Yes ☐ No ☒	Flow: No Flow ☐ <u>Flowing</u> / NA ☐	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High Low
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#:
Notes:			

Duplicate Sample

Time Zone: <u>EST</u> CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> CEN Time: _____	Field ID: _____ (Blank Type: 00000000)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

Signature: <u>A. Kalmbacher</u>	Date: <u>01-16-2020</u>
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LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: _____ (Initials/Date) QC Station ID, Field Parameters in LIMS DMT: _____ (Initials/Date)

Scan/Save Field Sheets _____ (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data in WIN: _____ (Initials/Date)



RQ-2020-01-13-27
Customer: 218A
Project ID: LSR Palatka

Collected By: K. McDonald
Field Report Prepared By: A. Kalmbacher
Sampling Agency: FDEP/NEROC

WIN ID/Field ID:



20030681

MILL BRANCH @ McCORMICK RD

Comments:

Matrix: ☒ Fresh ☐ Marine

(Check one)

☒ GRAB

☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
01-16-20	1105	6.79	74.2	19.5	6.88	0.08	0.16	0.16	933	0.46
EST / CST							☒ VOB (S)			

↑ Cental Lab please use top row for login purposes ↑

EST / CST										

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☐ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP	☐ Ice ☐ H2SO4*	☐ <2		
	Lot # Exp:				
Metals (P-500ML)	☐ W-ICPM5 ☐ W-ICP ☐ W-HARD	☐ Ice ☐ HNO3* ☐ <2			
	Lot # Exp:				
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
	Filter Lot # Syringe Lot # Exp: Exp:				
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-C / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice		2 Sent to ALS	D
	☐ Contract Lab				
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			
		☐ Ice			

Relinquished By: *[Signature]* Date/Time: 1-16-2020 Shipping Method: FedEx Number of Coolers Shipped: 2 Received By: IM Date/Time: 1/17/20 9:45

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

1445



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: MILL BRANCH @ McCORMICK RD

Date: 1/16/2020

WIN/ Field ID: 20030681

WBID: 2592

Latitude: 29.651305

(mm/dd/yyyy)

County: _____

ORG ID: 21FLA

Longitude: -81.582888

(Decimal Degrees)

Receiving Body of Water: _____

RQ-2020- 01-13-27

(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher	X	X			
Kelly McDonald		X	X		

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>ortho kit 3</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☒ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low <u>Normal</u> / High / Flooded	Meter ID# <u>YSI Pro DSS Desi</u>
Photos: Yes / <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA
Tide: Rising/ Falling/ Slack <u>NA</u>	
Tide Times: High Low	
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#:	
Notes:	

Duplicate Sample

Time Zone: <u>EST</u> CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> CEN Time: _____	Field ID: _____ (Blank Type: DMT/yyyy)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

Signature: <u>[Signature]</u>	Date: <u>1-16-2020</u>
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LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: _____ (Initials/Data) QC Station ID, Field Parameters in LIMS DMT: _____ (Initials/Data)

Scan/Save Field Sheets _____ (Initials/Data) Migrate Data to WIN: _____ (Initials/Data) Verify Data in WIN: _____ (Initials/Data)



RQ-2020-01-13-27

Customer: 21FLA

Project ID: LSR Palatka

Collected By: A. Kalmbacher / K. McDonald

Field Report Prepared By: A. Kalmbacher

Sampling Agency: FDEP

WIN ID/Field ID:



G2NE1187

Dunns Creek 0.4 miles upstream of US-17

Comments:

Lot No.: SA9203100
Expires: 07/22/20
See Sample Data Sheet (SDS)

Blank Label
Sticker
on front side

Matrix: ☒ Fresh ☐ Marine

(Check one)

☒ GRAB☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
01-16-20	1220	6.88	77.2	21.0	7.34	0.3	0.6	1.1	783	0.38
EST / CST							☒ VOB (S)			

Cental Lab please use top row for login purposes

EST / CST

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	☒ Ice ☒ H2SO4*	☒ <2	3/2	C, B, E, A
	Lot # SA9203100 Exp: 07/2020				B, E
Metals (P-500ML)	☐ W-ICPM5 ☐ W-ICP ☐ W-HARD	☐ Ice ☐ HNO3* ☐ <2			
	Lot # Exp:				
Filtered Nutrients (P125ML)	☒ W-P04-F ☒ Field Filtered 0.45 µm Filter	☒ Ice		3/2	C, B, E, A
	Filter Lot # R9EA32199 Exp:				B, E
	Syringe Lot # Exp:				
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B, E, A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice		3/2	C, B, E, B
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ Coli ☐ F Coli ☐ Enterococci	☒ Ice		4 sent to ALS	C, B, B
	☐ Contract Lab				
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3	☐ Ice			
	☐ PCR-GULL2 ☐ PCR-GFD				
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			
		☐ Ice			
Relinquished By: A. Kalmbacher	Date/Time: 01-16-2020	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By: IM	Date/Time: 1/17/20 9845

*2.0 ml of Preservative used unless noted otherwise. 1445

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: Dunns creek 0.4 miles upstream of US17

Date: 1/16/2020

(mm/dd/yyyy)

WIN/ Field ID: G2NE1187

WBID: 2606A

Latitude: 29.57755

County: Putnam

ORG ID: 21 FLA

Longitude: -81.62629

(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2020- 01-13-27

(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Kelly McDonald					
Amy Kalmbacher					

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>YSI</u>	
Equipment ID <u>ortho kit 3</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 Desi</u>	
Photos: Yes / No	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High Low
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#:	

Field ID: <u>G2NE1187DUP</u>	Location: <u>Dunns Creek 0.4 miles upstream of US17</u>
WIN ID: <u>G2NE1187</u>	FIELD ID: <u>FB 01602020</u>
Contains: 1:1 H2SO4 Lot No.: SA9203100 Expires: 07/22/20 See Safety Data Sheet (SDS)	

Time Zone: <u>EST</u> CEN Time: <u>1225</u>	old ID: (WIN ID_DUP)
WIN DMT Activity ID: <u>DUPLICATE DESTROYED</u>	

Time Zone: <u>EST</u> CEN Time: <u>1235</u>	Field ID: <u>Blank</u>
DI Source: <u>NE ROC DI</u>	Location: <u>see above label</u>
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: <u>ortho kit #3</u>

Signature: <u>Amy Kalmbacher</u>	Date: <u>01-16-2020</u>
----------------------------------	-------------------------

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

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: Pro DSS Desi

RQ: 2020-01-13-27

Project: LSJR Palatka

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.	<u>AKalmbacher</u>	<u>01-16-20</u>	<u>0805</u>	<u>22.8</u>	<u>767.5</u>	<u>8.7</u>	<u>8.68</u>	<u>101.0</u>		<u>1.0422</u>	<u>P/F</u>	<u>L/F</u>
ICV			<u>0808</u>	<u>22.9</u>	<u>767.5</u>	<u>8.7</u>	<u>8.68</u>	<u>101.0</u>		<u>1.0422</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>AKalmbacher</u>	<u>↓</u>	<u>1510</u>	<u>24.1</u>	<u>766</u>	<u>8.5</u>	<u>8.43</u>	<u>100.3</u>		<u>1.0422</u>	<u>P/F</u>	<u>L/F</u>
CCV											<u>P/F</u>	<u>L/F</u>

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>AKalmbacher</u>	<u>01-16-20</u>	<u>0815</u>	<u>191018</u>	<u>10/2020</u>	<u>1,000</u>	<u>1,000</u>	<u>P/F</u>	<u>L/F</u>
ICV			<u>0818</u>	<u>190711A</u>	<u>07/2020</u>	<u>100</u>	<u>103.7</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>AKalmbacher</u>	<u>↓</u>	<u>1515</u>	<u>191018</u>	<u>10/2020</u>	<u>1,000</u>	<u>1002</u>	<u>P/F</u>	<u>L/F</u>
CCV								<u>P/F</u>	<u>L/F</u>

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>AKalmbacher</u>	<u>01-16-20</u>	<u>0824</u>	<u>2902778</u>	<u>01/2021</u>	<u>7.</u>	<u>23.7</u>	<u>7.01</u>	<u>31.7</u>	<u>P/F</u>	<u>L/F</u>
Calibr.			<u>0826</u>	<u>2907062</u>	<u>07/2021</u>	<u>4.</u>	<u>23.6</u>	<u>4.00</u>	<u>147.8</u>	<u>P/F</u>	<u>L/F</u>
Calibr.			<u>0828</u>	<u>2904E91</u>	<u>10/2020</u>	<u>10.</u>	<u>23.7</u>	<u>9.99</u>	<u>205.4</u>	<u>P/F</u>	<u>L/F</u>
ICV			<u>0830</u>	<u>2907062</u>	<u>07/2021</u>	<u>4.0</u>	<u>23.5</u>	<u>3.95</u>	<u>148.9</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>AKalmbacher</u>	<u>↓</u>	<u>1517</u>	<u>2904E91</u>	<u>10/2020</u>	<u>10.0</u>	<u>24.1</u>	<u>9.98</u>	<u>205.4</u>	<u>P/F</u>	<u>L/F</u>
CCV										<u>P/F</u>	<u>L/F</u>

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 10 170.7, slope from 4 to 7 182.5 (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: 10/23/2019

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>AKalmbacher</u>	<u>01-16-20</u>	<u>0820</u>	<u>0.000</u>	<u>0.000</u>	<u>P/F</u>	<u>L/F</u>

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR # _____
ALS Contact _____

ALS Environmental

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

Page 1 of 1

Project Name LSJR Palatka		Project Number RR-2020-01-13-27		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Report To Jeremy Parrish Company/Address 8800 Baymeadows Way W Jacksonville, FL 32256		Report CC Dep-overflowmicro@dep.state.fl.us		Preservative																	
Phone # (904) 256-1700		FAX #		NUMBER OF CONTAINERS E-Goli																	
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name Amy Kalmbacher																			
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE TIME		Matrix																	
20030681		1-16-20	1105	SW	2																
20030577			1120		2																
G2NE1210			1200		2																
G2NE1187			1220		2																
20030557			1325		2																
G2NE1187DUP			1225		2																
Special Instructions/Comments: 0.0"					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) ☒ 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 <i>[Signature]</i> Printed Name Amy Kalmbacher Firm FDEP NE ROC Date/Time 01-16-2020 1420		Received By <i>[Signature]</i> Printed Name Bonnie Brant Firm ALS Date/Time 1/16/2020 1420		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											

- Preservative Key
- 0. None
 - 1. HCL
 - 2. HNO3
 - 3. H2SO4
 - 4. NaOH
 - 5. Zn. Acetate
 - 6. MeOH
 - 7. NaHSO4
 - 8. Other **ICE**
- REMARKS
- FRESH**

Date of Request: 23-DEC-2019
 Created By: PARRISH_J On: 23-DEC-2019
 Modified By: AYRES_J On: 16-JAN-2020
 Customer: NE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northeast District
 Sampling Event: LSJR Palatka 2020

Send Coolers To:

Phone: 904-256-1700
 8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish

Send Final Report To:

8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish

Program Module Number:

Priority: 3
 Event Status: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 16-JAN-2020
 Biology Request Reviewed By: AYRES_J On: 16-JAN-2020
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped: YES On: 06-JAN-2020
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 13-JAN-2020
 Received By:

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: Group A:(Surf-Fresh) Nutrients, Metals, Bacteria
 Group B(Surf.-Fresh), Nutrients, Bacteria, Traers
 Group C(Surf.-Fresh)) Nutrients, Bacteria
 Group D:(Sur.-Fresh)Bacteria
 Group E:(Blank)Nutrients, Metals, Tracers

NE-ALS-ECQ
 Packing Notes:
 None

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO ₄ -IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-250ML-WI-THI	Number of Bottles: 1	Preserved With: ICE
NE-ALS-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert/QT by ALS in Jacksonville
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃
W-HARD	Template: DEFAULT	(SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO ₃
Hardness		
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Barium		

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Iron		
Magnesium		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
*Boron		
Aluminum		
Antimony		
Arsenic		
Cadmium		
Chromium		
Copper		
Lead		
Nickel		
Selenium		
Silver		
Thallium		

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Water) With 2 Samples:

Bottle Type: BG-500ML	Number of Bottles: 2	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 2	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
NE-ALS-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert/QT by ALS in Jacksonville

Bottle Group C (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO ₄ -IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
NE-ALS-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert/QT by ALS in Jacksonville
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 2	Preserved With: FILTER-ICE
W-PO ₄ -F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group D (Water) With 2 Samples:

Bottle Type: P-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
NE-ALS-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert/QT by ALS in Jacksonville

Bottle Group E (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO ₄ -IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃
W-HARD	Template: DEFAULT	(SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO ₃
Hardness		
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Barium		
Calcium		
Iron		
Magnesium		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
*Boron		
Aluminum		

Bottle Group E (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Antimony
 Arsenic
 Cadmium
 Chromium
 Copper
 Lead
 Nickel
 Selenium
 Silver
 Thallium

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.