

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 NSS Desi

RQ: 2020-01-20-14

Project: Nassau East 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 10-23-2019

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>AKalmbacher</u>	<u>1-21-20</u>	<u>0800</u>	<u>21.4</u>	<u>767.8</u>	<u>8.9</u>	<u>8.88</u>	<u>101.2</u>		<u>10438</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>J</u>	<u>L</u>	<u>0805</u>	<u>21.9</u>	<u>768.0</u>	<u>8.9</u>	<u>8.88</u>	<u>101.3</u>		<u>10438</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>JTarnish</u>	<u>1-21-20</u>	<u>1532</u>	<u>20.3</u>	<u>766.7</u>	<u>7.1</u>	<u>9.13</u>	<u>100.1</u>		<u>10438</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>1-21-20</u>	<u>0807</u>	<u>191018</u>	<u>10/2020</u>	<u>11000</u>	<u>11000</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>J</u>		<u>0810</u>	<u>190711A</u>	<u>7/2020</u>	<u>100</u>	<u>103.4</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>JTarnish</u>	<u>1-21-20</u>	<u>1535</u>	<u>191025B</u>	<u>11/2020</u>	<u>20000</u>	<u>19460</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>1-21-20</u>	<u>0812</u>	<u>290277B</u>	<u>01/2021</u>	<u>7.</u>	<u>22.7</u>	<u>7.01</u>	<u>35.2</u>	<u>P/F</u>	<u>L/F</u>
Calibr.	<u>J</u>		<u>813</u>	<u>2907D62</u>	<u>07/2021</u>	<u>4.</u>	<u>22.7</u>	<u>4.00</u>	<u>146.3</u>	<u>P/F</u>	<u>L/F</u>
Calibr.	<u>J</u>		<u>814</u>	<u>2904E91</u>	<u>10/2020</u>	<u>10.</u>	<u>22.7</u>	<u>10.03</u>	<u>206.1</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>J</u>		<u>815</u>	<u>2904E91</u>	<u>10/2020</u>	<u>10</u>	<u>22.7</u>	<u>10.00</u>	<u>206.4</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>J</u>		<u>1536</u>	<u>290277B</u>	<u>1/2021</u>	<u>7.</u>	<u>22.6</u>	<u>7.08</u>	<u>35.2</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 10 170.9, slope from 4 to 7 181.5 (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>1-21-2020</u>	<u>0820</u>	<u>0.00</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.

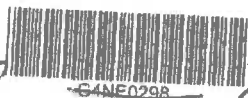
COMMENTS:



RQ-2020-01-20-14
Customer: ZIFLA
Project ID: NAGHAV East Brat

Collected By: JP / ALK
Field Report Prepared By: JP
Sampling Agency: EEP/NERC

WIN ID/Field ID:



64NE0298

64NE0299

THOMAS CR aprox. 7 MI BELOW CITY PRISON

Comments:

Container: 1:1 H2SO4
Lot No.: NAGHAV000
Expires: 07/2020
See Safety Data Sheet

use appropriate safety measures when handling this material. Do not breathe dusts, fumes, vapors or mists. Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling. Do not eat, drink, or smoke while handling. Do not get material on clothing. If you get material on clothing, remove clothing immediately. If you get material in eyes, flush with water for at least 15 minutes. If you get material on skin, wash with soap and water. If you get material in mouth, do not induce vomiting. Seek medical attention immediately. See Safety Data Sheet for more information.

Container: 1:1 H2SO4

Lot No.: NAGHAV000
Expires: 07/2020
See Safety Data Sheet

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 (PPT)
1-21-2020	1215	7.50	75.4	15.4	6.83	0.3	0.3	3.8	1494	0.76
EST / CST										
☒										

Cental Lab please use top row for login purposes

1215	7.48	75.1	15.3	6.82	3.3	0.3	3.8	487	0.75
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 # SA9203100 Exp: 7/2020				
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☐ W-HARD	☒ Ice ☒ HNO3	☒ <2	1	A
	Lot # NA9099030 Exp: 4/2020				
Filtered Nutrients (P125ML)	☒ W-PC4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
	Filter Lot # R9EA32199 Exp:				
	Syringe Lot # Exp:				
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☒ Ice		1	A
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☐ E Coli ☐ F Coli ☒ Enterococci	☒ Ice		2 ALS	A
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		1	A
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:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time:

*2.0 ml of Preservative used unless noted otherwise. 1545

**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: THOMAS CR approx. 7 MI BELOW CITY PRISON

Date: 01-21-2020

WIN/ Field ID: ~~64NE0298~~ 64NE0299 WBID: 2161C

(mm/dd/yyyy)

County: Nassau/ Duval

ORG ID: 21 FLA

Latitude: 30.564912

(Decimal Degrees)

Longitude: -81.67549

(Decimal Degrees)

Receiving Body of Water: Nassau River

RQ-2020- 01-20-14

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
	Jeremy Parrish	X	X	X	X
Amy Kalmbacher		X		X	X

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with meter	
Equipment ID Pro DSS Desi / or the 44	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded		Meter ID# Pro DSS Desi	
Photos: Yes / No	Flow: No Flow / Flowing / NA	Tide: Rising / Falling / Slack / NA	Tide Times: High 900 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_DOWM/yyyy)
DI Source:	Location:
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID:

Signature: Date: 1-21-2020

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-2020-01-20-14
Customer: ZILLA
Project ID: Nassau Park Boat

Collected By: JP Amst A. Adams
Field Report Prepared By: JP
Sampling Agency: Fort R R R

WIN ID/Field ID:



G4NE0008

THOMAS CR 6.0 MI BELOW CITY PRISON

Comments:

Container 1:1
Lot No: S4920
Expire: 07/22
See Safety Data Sheet

THOMAS CR 6.0 MI BELOW CITY PRISON
Lot No: S4920
Expire: 07/22
See Safety Data Sheet

Container 1:1
Lot No: S4920
Expire: 07/22
See Safety Data Sheet

Matrix: Fresh / Marine

(Check one)

☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total (m)	Sp COND (µmhos/cm)	Salinity (PPT)
1-21-2020	1240	7.3	73.6	15.4	6.78	0.3	0.3	3.7	1224	0.61
	EST / CST						☐ VOB (S)		1194	

Cental Lab please use top row for login purposes

	7.3	73.4	15.4	6.71	3.2	0.3	3.7	1194	0.60	
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 Lot # S4920310D Exp: 7/22/2020	☒ Ice ☐ H2SO4* ☒ <2		1	A-B
Metals (P-500ML)	☒ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # NA 969130 Exp: NA 4/1/20	☒ Ice ☐ HNO3* ☒ <2		1	A-B
Filtered Nutrients (P125ML)	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter Filter Lot # Syringe Lot # Exp:	☒ Ice		1	A-B
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A-B
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		1	A-B
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☐ E Coli ☐ F Coli ☒ Enterococci ☐ Contract Lab	☒ Ice		2	A-B
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		1	A
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: J. Amst	Date/Time: 1-21-2020 1545	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By:	Date/Time:
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*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: THOMAS CR 6.0 MI BELOW PRISON

Date: 01/21/2020
(mm/dd/yyyy)

WIN/ Field ID: G4NE0008

WBID: 2161C

Latitude: 30.5628055

(Decimal Degrees)

County: Nassau, Duval

ORG ID: 21 FLA

Longitude: -81.687288

(Decimal Degrees)

Receiving Body of Water: Nassau River

RQ-2020- 01-20-14

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jeremy Parrish	X		X	X	
Amy Kalmbacher		X		X	X

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>Ortho Kit 44</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded		Meter ID# <u>Pro DSS Desi</u>	
Photos: Yes <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising/ <u>Falling</u> / Slack/ NA	Tide Times: High <u>900</u> 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: EST CEN Time:	Field ID: (WIN ID_DUP)
WIN DMT Activity ID:	

Blank

Time Zone: EST CEN Time:	Field ID: (Blank Type_D0MMYYYY)
DI Source:	Location:
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID:

Signature: <u>[Signature]</u>	Date: <u>1-21-2020</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)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: THOMAS CR 4 MI BELOW CITY PRISON

Date: 01/21/2020
(mm/dd/yyyy)

WIN/ Field ID: 19020033

WBID: 2161B

Latitude: 30.22757

(Decimal Degrees)

County: Nassau, Duval

ORG ID: 21 FLA

Longitude: -81.7218722

(Decimal Degrees)

Receiving Body of Water: Nassau River

RQ-2020- 01-20-14

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jeremy Parrish	X	X	X	X	X
Amy Kalmbacher	X	X	X	X	X

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>water</u>	
Equipment ID <u>Ortho Kit 44</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: Dry / Pooled / Low / Normal / <u>High</u> / Flooded		Meter ID# <u>ProDSS Desi</u>	
Photos: Yes / <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising / Falling / Slack / NA	Tide Times: High <u>9:10</u> 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: 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: <u>Amy Kalmbacher</u>	Date: <u>1-21-2020</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)



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

[illegible]

Log-in Checklist

RQ- 2020-01-20-14

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 1/ 22 /20 @ 9:55

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
1.6				6		✓			3761 8782 2607
0.8				11		✓			4751 8782 2592

* HNO3 and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **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: KK

Chlorine detected? (One container checked per Field ID) Yes ☐ No ☒ Init: KK

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: KK

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☒ NA ☐ Init: KK

Coolers Unpacked/Checked by: KK Date: 1/ 22 /20 NCRs (Y/N)? N

Event ID: Nassau East Boat 2020
NE-DIST-2020-01-22-01 (SMP) - NCR #
 Date Received: 22-JAN-2020 09:55

Log-in Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle TestID(s)	pH	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle TestID(s)

Bottles Not Intact

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

Samples with Insufficient Volume for Analyses

Field ID	Bottle TestID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #5 EXP:11-5-20
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	220416A EXP:7/30/20
pH Paper 0 – 13 Lot #	215517 EXP:6/1/20
Chlorine Test Strips Lot #	091417V EXP:9/2021

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ No X

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: _____



RQ-2020-01-20-14
Customer: ZIFLA
Project ID: Nakhau East Brat

Collected By: JP / AL
Field Report Prepared By: JP
Sampling Agency: EPRIVE 200

WIN ID/Field ID:



G4NE0298

THOMAS CR approx. 7 MI BELOW CITY PRISON

Comments:

Contains: 1:1 H2SO4
Lot No.: NA9203100
Date: 07/22/20
Date Shown: (809)
Contains: 1:1 H2SO4
Lot No.: NA9203100
Date: 07/22/20
Date Shown: (809)

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 (PPTth)
1-21-2020	1215	7.50	75.4	15.4	6.53	0.3	0.3	3.8	1494	0.76
EST / CST							☐ VOB (S)			

Central Lab please use top row for login purposes

1215	7.48	75.1	15.3	6.82	3.3	0.3	3.8	1487	0.75
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	AKA 1	A
	Lot # SA9203100 Exp: 7/2020				
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☐ W-HARD	☒ Ice ☒ HNO3* ☒ <2		1	A
	Lot # NA9099030 Exp: 4/2020				
Filtered Nutrients (P125ML)	☒ W-P04-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
	Filter Lot # R9EA32199 Exp:				
	Syringe Lot # Exp:				
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-S04-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☒ Ice		1	A
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☐ E Coll ☐ F Coll ☒ Enterococci	☒ Ice		2 ALS	A
	☐ Contract Lab				
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3	☐ Ice			
	☐ PCR-GULL2 ☐ PCR-GFD ☐				
Tracers (BO-500ML)	☒ W-E8321-DI ☒ W-E8321-MS	☒ Ice		1	A
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			

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time:

1-21-2020

Fed/Ex

2

KH

1-22-20 / 0955

*2.0 ml of Preservative used unless noted otherwise. 1545

**MCAA: Monochloroacetic acid buffer solution

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- 2020-01-20-14

Project: Nassau East 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 10-23-2019

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>AKalmbacher</u>	<u>1-21-20</u>	<u>0800</u>	<u>21.4</u>	<u>767.8</u>	<u>8.9</u>	<u>8.88</u>	<u>106.2</u>		<u>104381</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>J</u>	<u>J</u>	<u>0805</u>	<u>21.4</u>	<u>766.0</u>	<u>8.9</u>	<u>8.88</u>	<u>101.3</u>		<u>104381</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>J</u>	<u>1-21-20</u>	<u>1532</u>	<u>21.4</u>	<u>766.0</u>	<u>8.9</u>	<u>8.88</u>	<u>101.3</u>		<u>104381</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>1-21-20</u>	<u>0807</u>	<u>191018</u>	<u>10/2020</u>	<u>11000</u>	<u>11000</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>J</u>		<u>0810</u>	<u>190711A</u>	<u>7/2020</u>	<u>100</u>	<u>103.4</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>J</u>	<u>1-21-20</u>	<u>1555</u>	<u>191018B</u>	<u>11/2020</u>	<u>70000</u>	<u>19460</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>1-21-20</u>	<u>0812</u>	<u>2902778</u>	<u>01/2021</u>	<u>7.</u>	<u>22.7</u>	<u>7.01</u>	<u>-35.2</u>	<u>P/F</u>	<u>L/F</u>
Calibr.			<u>813</u>	<u>2907D62</u>	<u>07/2021</u>	<u>4.</u>	<u>22.7</u>	<u>4.00</u>	<u>146.3</u>	<u>P/F</u>	<u>L/F</u>
Calibr.			<u>814</u>	<u>2904E91</u>	<u>10/2020</u>	<u>10.</u>	<u>22.7</u>	<u>10.03</u>	<u>206.1</u>	<u>P/F</u>	<u>L/F</u>
ICV			<u>815</u>	<u>2904E91</u>	<u>10/2020</u>	<u>10</u>	<u>22.7</u>	<u>10.00</u>	<u>206.4</u>	<u>P/F</u>	<u>L/F</u>
CCV			<u>1536</u>	<u>2902778</u>	<u>1/2021</u>	<u>7.</u>	<u>22.6</u>	<u>7.08</u>	<u>-35.2</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 10 170.9, slope from 4 to 7 181.5 (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>1-21-2020</u>	<u>0820</u>	<u>0.00</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:



RQ-2020-

Customer:

Project ID:

01-20-14

ZILLA

Nassau Park Boat

Collected By:

Field Report Prepared By:

Sampling Agency:

J. Ramsdell

JP

FDEP

WIN ID/Field ID:



G4NE0008

THOMAS CR 6.0 MI BELOW CITY PRISON

Comments:

Container: 1:1 HNO3
Lot No.: SA9203100
Expires: 07/22
See Safety Data Sheet

Container: 1:1 HNO3
Lot No.: NA9000000
Expires: 06/08/20
See Safety Data Sheet

Matrix: Fresh / Marine

(Check one)

☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total (m)	Sp COND (µmhos/cm)	Salinity (PPT)
1-21-2020	1240	7.3	73.6	15.4	6.78	0.3	0.3	3.7	1224	0.61
	EST / CST						☐ VOB (S)		1194	

Cental Lab please use top row for login purposes

		7.3	73.4	15.4	6.71	3.2	0.3	3.7	1194	0.61
	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-B
	Lot #: SA9203100 Exp: 7/22-2020				
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☐ W-HARD	☒ Ice ☐ HNO3	☒ <2	1	A-B
	Lot #: NA9000000 Exp: 6/8/20				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice		1	A-B
	Filter Lot #: Syringe Lot #: Exp:				
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A-B
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☒ Ice		1	A-B
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☐ E Coli ☐ F Coli ☒ Enterococci	☒ Ice		2	A-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		1	A
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			

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time:

1-21-2020 1545

Fed/Ex

2

KR

1-22-20 0955

*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: THOMAS CR approx. 7 MI BELOW CITY PRISON

Date: 01-21-2020
(mm/dd/yyyy)

WIN/ Field ID: G4NE0298

WBID: 2161C

Latitude: 30.564912

(Decimal Degrees)

County: Nassau/ Duval

ORG ID: 21 FLA

Longitude: -81.67549

(Decimal Degrees)

Receiving Body of Water: Nassau River

RQ-2020- 01-20-14

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jeremy Parrish	X	X	X	X	
Amy Kalmbacher		X		X	X

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>Pro DSS Desi / ortho 44</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded		Meter ID# <u>Pro DSS Desi</u>	
Photos: Yes <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising / <u>Falling</u> / Slack/ NA	Tide Times: High <u>400</u> 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: EST CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: EST CEN Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

Signature: <u>[Signature]</u>	Date: <u>1-21-2020</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-2020-01-20-24

Customer: ZI FLA

Project ID: Nassau East Bank

Collected By: J. Ransel A. Kolumbuckler

Field Report Prepared By: JP

Sampling Agency: FRED NELOC

WIN ID/Field ID:



19020033

THOMAS CR 4 MI BELOW CITY PRISON

Comments:

SULFURIC
H2SO4 45%
Lot No. 84603105
Expires: 07/22/20
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No. 84603105
Expires: 07/22/20
See Safety Data Sheet (SDS)

NITRIC ACID
HNO3 25-28%
Lot No. 84603105
Expires: 07/22/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No. 84603105
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 (umhos/cm)	Salinity (PPTth)
1-21-2020	1315	6.0	60.1	14.9	6.58	0.3	0.3	5.6	643	0.31
EST/CST							☐ VOB (S)			

Cental Lab please use top row for login purposes

		6.2	61.2	14.9	6.56	5.0	0.3	5.6	641	0.31
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	2	B
	Lot # SA9203100	Expi: 7/2020			
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☐ W-HARD	☒ Ice ☒ HNO3	☒ <2	2	B
	Lot # NA9099030	Expi: 4/2020			
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice		2	B
	Filter Lot #	Expi			
	Syringe Lot #	Expi			
Chlorophyll (BP-1L)	☒ CHL SUITE-W	☒ Ice		2	B
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHL / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☒ Alkalinity ☒ W-BR-1 / W-F / W-TSS / TURBIDITY	☒ Ice		2	B
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☐ E Coli ☐ F Coli ☒ Enterococci	☒ Ice		2	B
Molecular (QPCR-P-500ML)	☐ PCR-HF1B3 ☐ 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: 1-21-2020 1545	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By: KK	Date/Time: 1-22-20 10955
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*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: THOMAS CR 6.0 MI BELOW PRISON

Date: 01/21/2020
(mm/dd/yyyy)

WIN/ Field ID: G4NE0008

WBID: 2161C

Latitude: 30.5628055

(Decimal Degrees)

County: Nassau, Duval

ORG ID: 21 FLA

Longitude: -81.687288

(Decimal Degrees)

Receiving Body of Water: Nassau River

RQ-2020- 01-20-14

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jeremy Parrish	X	X	X		
Amy Kalmbacher		X	X	X	X

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>Ortho Kit 44</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded		Meter ID# <u>Pro DSS Desi</u>	
Photos: Yes <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising/ <u>Falling</u> / Slack/ NA	Tide Times: High <u>900</u> 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: EST CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: EST CEN Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

Signature: <u>[Signature]</u>	Date: <u>1-21-2020</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)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: THOMAS CR 4 MI BELOW CITY PRISON

Date: 01/21/2020

(mm/dd/yyyy)

WIN/ Field ID: 19020033

WBID: 2161B

Latitude: 30.22757

County: Nassau, Duval

ORG ID: 21 FLA

Longitude: -81.7218722

(Decimal Degrees)

Receiving Body of Water: Nassau River

RQ-2020- 01-20-14

(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jeremy Parrish	X	X	X	X	X
Amy Kalmbacher	X	X	X	X	X

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>Ortho Kit 44</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal <u>High</u> / Flooded		Meter ID# <u>ProDSS Desi</u>	
Photos: Yes / <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising / <u>Falling</u> / Slack / NA	Tide Times: High <u>9:00</u> 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: EST CEN Time:	Field ID: (WIN ID_DUP)
WIN DMT Activity ID:	

Blank

Time Zone: EST CEN Time:	Field ID: (Blank Type_DDMMYYYY)
DI Source:	Location:
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID:

Signature: <u>Amy Kalmbacher</u>	Date: <u>1-21-2020</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)

ALS Environmental

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

Page

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ALS Contact

[illegible]

Date of Request: 30-DEC-2019
 Created By: PARRISH_J On: 30-DEC-2019
 Modified By: JASROTIA_P On: 21-JAN-2020
 Customer: NE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northeast District
 Sampling Event: Nassau East Boat 2020

Send Coolers To:

Phone: 904-807-3300
 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: WATTS_J On: 21-JAN-2020
 Biology Request Reviewed By: JASROTIA_P On: 21-JAN-2020
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped: YES On: 13-JAN-2020
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 20-JAN-2020
 Received By:

Send Final Report To:

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

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

Comments: Group A: (surf. salt) Nutrients, Metals, Tracer, Bacteria
 Group B: (surf.-salt) Nutrients, Metals, Bacteria

NE-ALS-ENQ

Packing Notes:
 None

Bottle Group A (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-BR-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Bromide in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
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-ENQ	Template: DEFAULT	(ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville
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: HNO ₃
W-ICP	Template: S-METALS	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Iron		
Manganese		
Zinc		

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-500ML	Number of Bottles: 2	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

Aluminum
Antimony
Arsenic
Cadmium
Chromium
Copper
Lead
Nickel
Selenium
Silver
Thallium

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 Group B (Water) With 1 Samples:

Bottle Type: P-250ML-WI-THI	Number of Bottles: 1	Preserved With: ICE
NE-ALS-ENQ	Template: DEFAULT	(ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template: S-METALS	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Iron
Manganese
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
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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 Type: P-1L	Number of Bottles: 1	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-BR-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Bromide in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
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
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Bottle Group B (Water) With 1 Samples:

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

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