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 DESC RQ- RQ-2019-08-12-16 Project: Nassau North

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 6/2019

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.	C. Ruben	8.14.19	0725	23.6	760	8.5	8.47	102.4	—	—	P / F	L / F
ICV	↓	↓	0726	23.7	760	8.5	8.46	100	—	—	P / F	L / F
CCV	C Ruben	8.14.19	1530	25.7	757	8.1	8.16	100	—	—	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	C. Ruben	8.14.19	0729	190430A	5/2020	1000	997	P / F	L / F
ICV	↓	↓	0733	190319B	3/2020	100	105.0	P / F	L / F
CCV	C Ruben	8.14.19	1533	190711C	7/2020	50,000	50,350	P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	C Ruben	8.14.19	0735	2904C54	3/2021	7.	24.1	6.95	-17.9	P / F	L / F
Calibr.	↓	↓	0737	2904B00	3/2021	4.	24.4	4.00	163	P / F	L / F
Calibr.	↓	↓	0740	2901B51	7/2020	10.	24.6	9.92	-191.9	P / F	L / F
ICV	↓	↓	0742	2904C54	3/2021	7.0	24.0	7.06	-20.3	P / F	L / F
CCV	C Ruben	8.14.19	15	2904B00	3/2021	4.0	24.6	3.96	160.4	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 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)
If **YES**, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____
If **NO**, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air						P / F	L / F

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

COMMENTS:
CR 8/14/19

Form effective August 1, 2018

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Egans Creek at N 14th **Date:** 8/14/19 (mm/dd/yyyy)

WIN/ Field ID: G4NE0290 **WBID:** 2127A **Latitude:** 30.69176 (Decimal Degrees)

County: Nassau **ORG ID:** 21 FLA **Longitude:** -81.45254 (Decimal Degrees)

Receiving Body of Water: ICW **RQ-2019-** 08-12-16

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
C Ruben	X		X		
B Davis		X			

Sampling Equipment

- [X] Sample Container [ ] Van Dorn [X] Pole
- [ ] Carboy [ ] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with meter
- Equipment ID ortho #7

Collection Method

- [ ] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [X] Other dock [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** PRODSS Desi **Matrix:** Fresh / (Marine) / DI

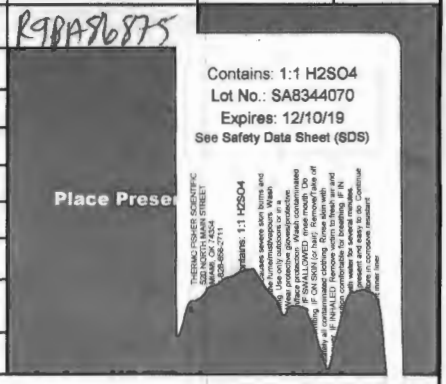
Photos: Yes / (No) **Flow:** No Flow / Intestital / (Flowing) / NA **Tide:** Rising/ (Falling)/ Slack/ NA **Tide Times:** High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1315	1.5	0.3	0.4	2.92	47.5	7.45	33.96	51917	31.3
CEN										

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

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

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	[X] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[X] Ice [X] H_2SO_4	SA8344070	12/19	[X] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[X] W-PO4-F [X] Field Filtered 0.45 µm Filter	[X] Ice	R98A96875		
Chlorophyll	[X] CHLSUITE-W	[X] Ice			
Physical/Aggregate (Fresh)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[ ] Ice			
Physical/Aggregate (Marine)	[X] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[X] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[ ] E Coli [ ] F Coli [X] Enterococci	[X] Ice			
Molecular	[ ] PCR-FILTER [X] PCR-BacR [ ] PCR-GULL2 [X] PCR-HF183 [X] PCR-DG3 [ ] PCR-GFD	[ ] Ice			
Tracers	[X] W-E8321-DI [X] 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: G4NE0290

Egans Creek at N. 14th

Signature: **Date:**

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 CR 8/14/19 (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: LOFTON CR @ A1A **Date:** 8/14/19 (mm/dd/yyyy)

WIN/ Field ID: 19020003 **WBID:** 2129A **Latitude:** 30.62988 (Decimal Degrees)

County: Nassau **ORG ID:** 21 FLA **Longitude:** -81.58767 (Decimal Degrees)

Receiving Body of Water: Nassau River **RQ-2019-** 08-12-16

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
C Ruben		X		X	X
B Davis	X		X		

Sampling Equipment
- [X] Sample Container [ ] Van Dorn [X] Pole
- [ ] Carboy [ ] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with meter
- Equipment ID Ortho #7

Collection Method
- [ ] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [X] Other Dock [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** Yesi **Matrix:** (Fresh) / (Marine) / DI

Photos: Yes / (No) **Flow:** No Flow / Intestital / (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 (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1240	1.6	0.3	0.6	46.9	3.50	7.76	1.18	2318	30.4
CEN	1243		1.1		44.6	3.33	7.44	1.18	2320	30.3

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	[X] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[X] Ice [X] H_2SO_4	SA9010030	4/20	[X] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[X] W-PO4-F [ ] Field Filtered 0.45 µm Filter	[X] Ice	RQBA86875		
Chlorophyll	[X] CHLSUITE-W	[X] Ice			
Physical/Aggregate (Fresh)	[X] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[X] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[X] Ice			
Microbiology	[X] E Coli [ ] F Coli [ ] Enterococci	[ ] Ice			
Molecular	[ ] PCR-FILTER [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-HF183 [ ] PCR-DG3 [ ] PCR-GFD	[ ] Ice			
Tracers	[ ] W-E8321-DI [ ] W-E8321-MS	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-CT-CL-R [ ] W-E8321-DI [ ] W-PCL-SQ-R [ ] WE8321-MS [ ] W-CARB-AA	[ ] Ice			
Phytoplankton	[ ] DTY-QN-C [ ] PKD-QN-C	[ ] Ice			

Notes:

WIN ID/Field ID: 19020003

LOFTON CR @ A1A

Signature: [signature] Date: 8/14/19

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 CR 8/14/19 (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: MILLS CREEK AT US 301/US1 **Date:** 8/14/19 (mm/dd/yyyy)

WIN/ Field ID: 19020048 **WBID:** 2120B **Latitude:** 30.6389138 (Decimal Degrees)

County: Nassau **ORG ID:** 21 FLA **Longitude:** -81.66306 (Decimal Degrees)

Receiving Body of Water: Nassau River **RQ-2019-** 08-12-16

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
C Reben	X		X		
B Davis		X		X	X

Sampling Equipment

- [X] Sample Container [ ] Van Dorn [X] Pole
- [ ] Carboy [ ] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with Meter
- Equipment ID ortho #7

Collection Method

- [X] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** PRO DSS DCSI **Matrix:** (Fresh) / Marine / DI

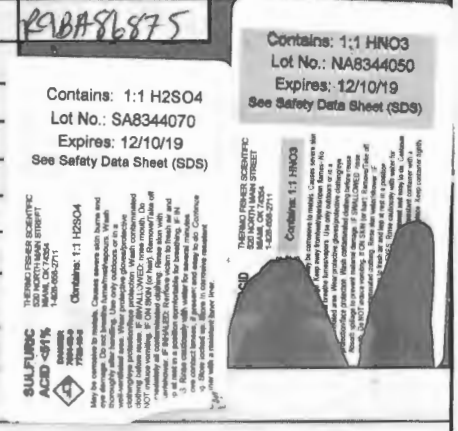
Photos: Yes / (No) **Flow:** No Flow / Intestital / (Flowing) / NA **Tide:** Rising/ Falling/ Slack/ (NA) **Tide Times:** High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1120	0.1	0.05	0.1	2.25	28.6	7.47	0.04	85.2	27.0
CEN				S						

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	[X] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[X] Ice [X] H_2SO_4	SA8344070	12/19	[X] <2
Metals	[X] W-ICPMS [ ] W-ICP	[X] Ice [X] HNO_3	NA8344050	12/19	[X] <2
Filtered Nutrients	[X] W-PO4-F [ ] Field Filtered 0.45 µm Filter	[X] Ice	R9BA86875		
Chlorophyll	[X] CHLSUITE-W	[X] Ice			
Physical/Aggregate (Fresh)	[X] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[X] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[X] E Coli [ ] F Coli [ ] Enterococci	[X] Ice			
Molecular	[ ] PCR-FILTER [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-HF183 [ ] PCR-DG3 [ ] PCR-GFD	[ ] Ice			
Tracers	[ ] W-E8321-DI [ ] W-E8321-MS	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-CT-CL-R [ ] W-E8321-DI [ ] W-PCL-SQ-R [ ] WE8321-MS [ ] W-CARB-AA	[ ] Ice			
Phytoplankton	[ ] DTY-QN-C [ ] PKD-QN-C	[ ] Ice			



Notes:

WIN ID/Field ID: 19020048

MILLS CREEK AT US 301/US1

Signature: Date: 8/14/19

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 CR 8/14/19 (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: Unnamed Branch above Alligator Cr. **Date:** 8/14/19 (mm/dd/yyyy)

WIN/ Field ID: G4NE0288 **WBID:** 2156 **Latitude:** 30.576507 (Decimal Degrees)

County: Nassau **ORG ID:** 21 FLA **Longitude:** -81.82468 (Decimal Degrees)

Receiving Body of Water: Alligator Creek **RQ-2019-** 08-12-16

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
C Ruben	X		X	X	X
B Davis		X			

Sampling Equipment

- [X] Sample Container [ ] Van Dorn [X] Pole
- [ ] Carboy [ ] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with ~~rope~~ Secchi
- Equipment ID Ortho # 7

Collection Method

- [ ] Wading [ ] Canoe/Kayak
- [X] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** PRO DSS Desi **Matrix:** (Fresh) / Marine / DI

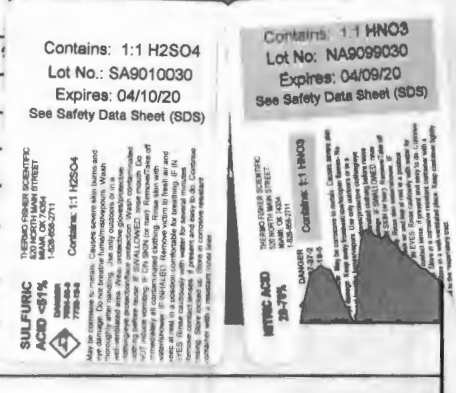
Photos: Yes / (No) **Flow:** No Flow / Intestital / (Flowing) / NA **Tide:** Rising/ Falling/ Slack/ (NA) **Tide Times:** High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	920	~~0.2~~	~~0.1~~ QR	0.3	5.43	67.7	7.17	0.09	183.2	24.6
CEN		0.5	0.25							

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	[X] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[X] Ice [X] H_2SO_4	SA9010030	4/20	[X] <2
Metals	[X] W-ICPMS [X] W-ICP	[X] Ice [X] HNO_3	NA9099030	4/20	[X] <2
Filtered Nutrients	[X] W-PO4-F [X] Field Filtered 0.45 µm Filter	[X] Ice	R9BA86875		
Chlorophyll	[X] CHLSUITE-W	[X] Ice			
Physical/Aggregate (Fresh)	[X] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[X] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[X] E Coli [ ] F Coli [ ] Enterococci	[X] Ice			
Molecular	[ ] PCR-FILTER [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-HF183 [ ] PCR-DG3 [ ] PCR-GFD	[ ] Ice			
Tracers	[ ] W-E8321-DI [ ] W-E8321-MS	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-CT-CL-R [ ] W-E8321-DI [ ] W-PCL-SQ-R [ ] WE8321-MS [ ] W-CARB-AA	[ ] Ice			
Phytoplankton	[ ] DTY-QN-C [ ] PKD-QN-C	[ ] Ice			



Notes:

WIN ID/Field ID: G4NE0288

Unnamed Branch above Alligator cr.

Signature: Cyrus Ruben **Date:** 8/14/19

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 CR 8/14/19 (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: Creek draining former Hampton Lake 100m above road **Date:** 8/14/19 (mm/dd/yyyy)

WIN/ Field ID: G4NE0292 **WBID:** 2105A **Latitude:** 30.77696 (Decimal Degrees)

County: Nassau **ORG ID:** 21 FLA **Longitude:** -81.96995 (Decimal Degrees)

Receiving Body of Water: Nassau River **RQ-2019-** 08-12-16

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
C Ruben		X			
B Davis	X		X	X	X

Sampling Equipment
- ☐ Sample Container ☐ Van Dorn ☑ Pole
- ☐ Carboy ☐ Syringe
- ☐ Dipper ☐ Other
- Depth Measured with Desi
- Equipment ID Ortho #7

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

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** PRODSS DESI **Matrix:** (Fresh) / Marine / DI

Photos: Yes / (No) **Flow:** No Flow / Intestital / (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 (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1030	0.3	0.15	VOB	7.50	95.4	8.25	0.04	83.6	27.7
CEN										

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

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

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☑ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☑ Ice ☑ H_2SO_4	SA9010030	4/20	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <2
Filtered Nutrients	☑ W-PO4-F ☑ Field Filtered 0.45 µm Filter	☑ Ice	R9BA86875		
Chlorophyll	☑ CHLSUITE-W	☑ Ice			
Physical/Aggregate (Fresh)	☑ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☑ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☑ E Coli ☐ F Coli ☐ Enterococci	☑ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Contains: 1:1 H_2SO_4
Lot No.: SA9010030
Expires: 04/10/20
See Safety Data Sheet (SDS)

SULFURIC ACID <51%

Place Preserv

Notes:

WIN ID/Field ID: G4NE0292

Creek draining former Hampton lake 100m above rd

Signature: Clyne K **Date:** 8/14/19

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 CK 8/14/19 (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data in WIN:** (Initials/Date)

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

9143 Philips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

PAGE 1 OF 1

SR#

CAS Contract

Project Name: Nassau North

Project Number: RQ-2019-08-12-16

Project Manager: J Parrish

Email Address: Dep-overflowmicro@dep.state.fl.us

Company/Address: ~~88~~ FDEP / 8800 Baymeadows way W Jacksonville FL 32256

Phone #: 904-256-1700

FAX #:

Sampler's Signature: [signature]

Sampler's Printed Name: Cheyanne Ruben

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 8

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other Ice

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	E coli	Enterococci	REMARKS/ ALTERNATE DESCRIPTION
G4NE0288		8.14.19	0920	SW	1	X		Fresh
G4NE0292		8.14.19	1030	SW	1	X		Fresh
19020048		8.14.19	1120	SW	1	X		Fresh
19020003		8.14.19	1240	SW	1	X		Fresh
G4NE0290		8.14.19	1315	SW	1		X	Marine

SPECIAL INSTRUCTIONS/COMMENTS

See QAPP ☐

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
___ V. Specialized Forms / Custom Report
Edata ___ Yes ___ No

INVOICE INFORMATION
PO #
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4.8°C T138 CUSTODY SEALS: Y (N)

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	[signature]					[signature]
Printed Name	Cheyanne Ruben					Levi Mason
Firm	FDEP DEAR					ALS
Date/Time	8/14/19 1442					8/14/19 1446

Distribution: White - Return to Originator; Yellow - Retained by Client

Request Number: RQ-2019-08-12-16

Nassau North

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Collected By: C Ruben / B Paris

Field Report Prepared By: C Ruben

Sampling Agency: FDEP DEAR NEKOC

WIN ID/Field ID: G4NE0290

Egans Creek at N. 14th

Latitude ☐dd ☐dms Longitude

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/14/19 Time 1315	Eastern / Central	Composite end Date — Time —			Bottle Group(s) (See pg 2): C
Matrix (type, e.g., Salt, Fresh, etc): Salt		Diss. Oxygen: 2.92 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —			
Temp (C): 31.3	pH: 7.45	Sample Depth: 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm): 51917			
☐dd ☐dms	Salinity (ppt): 33.96	Comments:				

WIN ID/Field ID: 19020003

LOFTON CR @ A1A

Latitude ☐dd ☐dms Longitude

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/14/19 Time 1240	Eastern / Central	Composite end Date — Time —			Bottle Group(s): B
Matrix (type, e.g., Salt, Fresh, etc): ~~Salt~~ Fresh		Diss. Oxygen: 3.50 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —			
Temp (C): 30.4	pH: 7.76	Sample Depth: 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm): 2318			
☐dd ☐dms	Salinity (ppt): 1.18	Comments:				

WIN ID/Field ID: 19020048

MILLS CREEK AT US 301/US1

Latitude ☐dd ☐dms Longitude

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/14/19 Time 1120	Eastern / Central	Composite end Date — Time —			Bottle Group(s): A
Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen: 2.25 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —			
Temp (C): 27.0	pH: 7.42	Sample Depth: 0.1 ☐ ft ☒ m	Sp. Conductance (umho/cm): 85.2			
☐dd ☐dms	Salinity (ppt): 0.04	Comments:				

WIN ID/Field ID: G4NE0288

Unnamed Branch above Alligator cr.

Latitude ☐dd ☐dms Longitude

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/14/19 Time 0920	Eastern / Central	Composite end Date — Time —			Bottle Group(s): A
Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen: 5.43 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —			
Temp (C): 26.6	pH: 7.17	Sample Depth: 0.25 ☐ ft ☒ m	Sp. Conductance (umho/cm): 183.4			
☐dd ☐dms	Salinity (ppt): 0.09	Comments:				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Clyman R	8/14/19	Fedex	2		

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2 to ALS
	NE-ALS-ECQ					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab** 2
	W-ICP W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** 2
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab** 2
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					

Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	CHLSUITE-W						
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2 to ALS
	NE-ALS-ECQ						
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	2
	W-PO4-F						
Group: C	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: C	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	CHLSUITE-W						
Group: C	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1 to ALS
	NE-ALS-ENQ						
Group: C	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	PCR-BACR						
	PCR-DG3						
	PCR-HF183						
Group: C	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	W-E8321-DI						
	W-E8321-MS						
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	1
	W-NH3						
	W-NO2NO3						

Group: C Bottle Type: P-500ML # of Bottles: 1 Preservative: ICE And H2SO4 **Enter Number of Bottles Sent to Lab** _____

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

last revised Jan 25, 2018

Request Number: RQ-2019-08-12-16

Nassau North

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: NE-DIST

~~**Project ID: SMP**~~

Requester: Jeremy M. Parrish

Field Report Prepared By: C Ruben

Collected By: C Ruben /

Sampling Agency: FDEP DEHR/MEROC

WIN ID/Field ID: G4NE0292 Creek draining former Hampton lake 100m above rd	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/14/19 Time 1030	(Eastern) Central	Composite end Date — Time —	Bottle Group(s) (See pg 2) B
	Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 7.50 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
	Temp (C) 27.7	pH 8.25	Sample Depth 0.15 ☐ ft ☒ m	Sp. Conductance (umho/cm) 83.6	
Latitude ☐ dd ☐ dms / Longitude ☐ dd ☐ dms	Salinity (ppt) 0.04	Comments			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms / Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms / Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms / Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time