

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

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

Meter ID: Desi

& 2019-10-07-20
RQ- 2019-10-07-38 Project: ICW 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 _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/10/19	754	23.0	762	8.6	8.6	100.3	✓	✓	P/F	L/F
ICV	↓	↓	755	23.1	762	8.6	8.58	100.3	✓	✓	P/F	L/F
CCV	Brian Davis	10/10/19	1617	24.6	761.6	8.3	8.29	99.6	✓	✓	P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/10/19	757	190711B	7/20	1000	1000	P/F	L/F
ICV	↓	↓	759	190711C	7/20	50,000	50,724	P/F	L/F
CCV	↓	↓	1620	190711B	7/20	1000	1003	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/10/19	803	2902778	1/21	7.0	24.0	7.01	-278	P/F	L/F
Calibr.			805	2904800	3/21	4.0	24.0	4.0	152.6	P/F	L/F
Calibr.			806	2810F55	4/20	10.01	24.0	10.01	-199.9	P/F	L/F
ICV	↓	↓	808	2902778	1/21	7.0	24.0	7.05	-27.2	P/F	L/F
CCV	↓	↓	1623	2810F55	4/20	10.01	24.5	10.08	-205.7	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 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	Brian Davis	10/10/19	811	0.00	0.00	P/F	L/F

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

COMMENTS:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Hopkins Creek at Kings Rd

Date: 06/13/19 10/10/2019
(mm/dd/yyyy)

WIN/ Field ID: 20030758

WBID: 2266

Latitude: 30.309277

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.4169166

(Decimal Degrees)

Receiving Body of Water: ICW

RQ-2019- 10-07-20

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
The Brian Davis										☐ Sample Container	☐ Van Dorn	☐ Pole		
Amy Kalmbacher										☐ Carboy	☐ Syringe			
Kin A.										☐ 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>Pro DSS Dea</u>					Matrix: Fresh / Marine / DI				
Photos: Yes / No		Flow: No Flow / Intertidal / 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 (umhos/cm)	Temp. (C°)				
EST	1115	1.8	0.3	0.7	4.76	66.3	7.38	22.94	36350	25.6				
CEN	1117		1.4		4.78	67	7.38	23.03	36484	25.6				
Biological Samples Collected: <u>Nong</u> HA SCI RPS Algae ID LVS LVI Other:														
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:														
Parameter Suite	Parameter Methods				Preservation	Lot#	Expiration	pH Check						
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4	SA9129100	5/5/20	☒ <2						
Metals	☒ W-ICPMS ☐ W-ICP				☒ Ice ☐ HNO3	NA909900	4/9/20	☒ <2						
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice	R99A86875								
Chlorophyll	☒ CHLSUITE-W				☒ Ice									
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS				☐ Ice									
Physical/Aggregate (Marine)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☒ Ice									
Macroinvertebrates	☐ MI-FW-QLDC				☐ Formalin									
Periphyton	☐ ALGAE-ID				☐ Ice									
Microbiology	☐ E Coli ☐ F Coli ☒ Enterococci				☒ Ice									
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2				☐ Ice									
	☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD				☐ Ice									
Tracers	☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice									
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI				☐ Ice									
	☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				☐ Ice									
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C													

Notes:

WIN / Field ID:



20030758

Hopkins Cr at Kings Rd.

Signature: B. Davis

Date: 10/10/19

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SMP CONTINUOUS MONITORING SHEET

August 2017

PAGE ____ OF ____

Data Qualified?
Yes / No

STORET Station Name: Hopkins at Kings Rd

WBID: 2266

STORET Station ID: 20030758

ORG ID: 21FLA

Field ID: _____ County: Duval

RQ - 2019-10-07-20

Meter ID#: MOE			
Pre-Deployment Setup			
Date: 10/2/19		Performed by: BD	
Parameters Recorded: ☒ Date ☒ Time ☒ Temp. (C) ☒ Sp. Cond. ☒ DOSAT ☒ DO (mg/L) ☒ pH ☒ Depth			
Sampling Interval (min): 15	Free Memory (days): 99%	Expected Battery Life: 2.73V	Programmed Duration: 356/7
Sonde Filename: HC100319			Reset Clock? (Y or N) N
Programmed Start Date/Time: 10/3/19 (mm/dd/yyyy) 1300 (hh:mm:ss) (Cent. / East)			Wipers Park Correctly? Y
Programmed End Date/Time: 10/10/19 (mm/dd/yyyy) 1300 (hh:mm:ss) (Cent. / East)			Calibration Date 10/2/19

Deployment			
Date: 10/3/19		Time Into Water: 1116 1156	
Time Zone: Cent. / East. (East. circled)			
Deployed Sonde Latitude: 30.309277	Deployed By: BD		(print all staff present) JP
Deployed Sonde Longitude: -81.4169166			
Notes: (how to get to, landmarks, site considerations & concerns, etc.)			
Photos: Yes / No (No circled)			

Retrieval			
Date: 10/10/19		Time Out Of Water: 1115	
Time Zone: Cent. / East. (East. circled)			
Mounting left or removed? Removed	Retrieved By: BD, Ak		
Notes: (significant fouling, signs of human disturbance, site considerations and concerns, etc.)			

Post-Deployment	
Date: 10/14/19	Performed by: BD
Data File Downloaded? Yes / No (Yes circled)	Archived Filename: 10102019_dets
Meter Verification Date: 10/14/19	

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: 110E

RQ: 2019-10-07-20

Project: Hopkins Co CM

- 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.	Brian Davis	10/2/19	931	23.7	760.1	8.5	8.46	100%	/	/	P/F	L/F
ICV	↓		934	23.8	760.1	8.4	8.45	100.1	/	/	P/F	L/F
CCV	↓	10/14/19	1409								P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/2/19	939	190711B	7/20	1000	1000	P/F	L/F
ICV	↓			190711C	7/20	50,000	51006	P/F	L/F
CCV	↓	10/14/19	1411	190711B	7/20	1000	1001	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/2/19	944	2902778	1/21	7.0	23.8	7.01	-8.9	P/F	L/F
Calibr.			949	2904800	3/21	4.0	23.8	4.0	160.1	P/F	L/F
Calibr.			952	2810F55	4/20	10.01	23.9	10.01	-192.1	P/F	L/F
ICV			956	2902778	1/21	7.0	23.9	7.05	-19.6	P/F	L/F
CCV	↓	10/14/19	1515	2810F55	4/20	10.01	24.7	10.04	-195.1	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Brian Davis	10/2/19	959	0.00	0.00	P/F	L/F

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

COMMENTS:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / No

WIN Station Name: SHERMAN CR @ CONF SAN PABLO R

Date: 10/10/19
(mm/dd/yyyy)

WIN/ Field ID: 20030802

WBID: 2227

Latitude: 30.3700

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.43803

(Decimal Degrees)

Receiving Body of Water: ICW

RQ-2019- 10-07-20

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
The Brian Davis						☒	☒	☒	☒	☒
Amy Kalmbacher						☒	☒	☒	☒	☒
Kin A						☒	☒	☒	☒	☒

Sampling Equipment									
☒ Sample Container	☐ Van Dorn	☐ Pole							
☐ Carboy	☐ Syringe								
☐ Dipper	☐ Other								
Depth Measured with <u>Well #1</u>									
Equipment ID <u>C-150 #44</u>									

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

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

Photos: Yes / No Flow: No Flow / Intertidal / Flowing / NA Tide: Rising / Falling / Slack/ NA Tide Times: High 900 Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
EST	<u>1350</u>	<u>3.4</u>	<u>0.3</u>	<u>0.6</u>	<u>4.59</u>	<u>63.3</u>	<u>7.34</u>	<u>20.02</u>	<u>32180</u>	<u>25.8</u>
CEN			<u>2.0</u>		<u>4.46</u>	<u>61.9</u>	<u>7.32</u>	<u>21.64</u>	<u>34470</u>	<u>25.7</u>

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

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

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	<u>SA9129100</u>	<u>5/19/10</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	<u>R9BA86875</u>		
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☒ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ 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				

Notes:

WIN ID/Field ID: 20030802

SHERMAN CR @ CONF SAN PABLO R

Signature: B - P - Date: 10/10/19

LIMS EVENT ID: WIN Import ID: QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

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

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



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SMP CONTINUOUS MONITORING SHEET

August 2017

PAGE ____ OF ____

Data Qualified?
Yes / No

STORET Station Name: SHERMAN CR @ CONF SAN PABLO R

WBID: 2227

STORET Station ID: 200300802

ORG ID: 21FLA

Field ID: _____ County: Duval

RQ - 2019-10-07-20

Meter ID#: 9AE			
Pre-Deployment Setup			
Date: 10/2/19		Performed by: Brian Davis	
Parameters Recorded: ☒ Date ☒ Time ☒ Temp.(C) ☒ Sp. Cond. ☒ DOSAT ☒ DO (mg/L) ☒ pH ☒ Depth			
Sampling Interval (min): 15	Free Memory (days): 85.1	Expected Battery Life: 117 days	Programmed Duration: 365/7
Sonde Filename: SC100319			Reset Clock? (Y or N) N
Programmed Start Date/Time: 10/3/19 (mm/dd/yyyy)	1100 (hh:mm:ss)	(Cent. 1 East)	Wipers Park Correctly? Y
Programmed End Date/Time: 10/10/19 (mm/dd/yyyy)	1100 (hh:mm:ss)	(Cent. 1 East)	Calibration Date 10/2/19

Deployment 3			
Date: 10/10/19		Time Into Water: 1116	
Time Zone: Cent. 1 East			
Deployed Sonde Latitude: 30.3700	Deployed By: (print all staff present) B D Ak, KA		
Deployed Sonde Longitude: -81.43803			
Notes: (how to get to, landmarks, site considerations & concerns, etc.)			
Photos: Yes / ☒ No			

Retrieval			
Date: 10/10/19		Time Out Of Water: 1350	
Time Zone: Cent. 1 East			
Mounting left or removed? Removed	Retrieved By: B D Ak		
Notes: (significant fouling, signs of human disturbance, site considerations and concerns, etc.)			

Post-Deployment	
Date: 10/14/19	Performed by: B D
Data File Downloaded? ☒ Yes / No	Archived Filename: 10102019 dets
Meter Verification Date: 10/14/19	

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

Meter ID: 9AE

RQ: 20K-10-07-20

Project: Shelley C. C/M

Box "X" this box if there are qualified data on this page

- 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.	Brian Davis	10/2/19	811	23.5	760	8.5	8.5	100	/	/	(P) F	(L) F
ICV	↓		813	23.5	760	8.5	8.5	100.1	/	/	(P) F	(L) F
CCV	Brian Davis	10/14/19	1623	25.1	760	8.2	8.27	100.4	/	/	(P) F	(L) F
CCV											P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/2/19	815	190711B	07/20	1000	1000	(P) F	(L) F
ICV	↓		817	190711C	7/20	50000	50488	(P) F	(L) F
CCV	↓	10/14/19	1630	190711B	07/20	1000	1005	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEPSOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/2/19	824	2902778	1/21	7.0	23.6	7.0	-29.2	(P) F	(L) F
Calibr.			827	2904800	3/21	4.0	23.7	4.0	144.6	(P) F	(L) F
Calibr.			832	2810F55	4/20	10.01	23.8	9.99	-180	(P) F	(L) F
ICV			841	2902778	1/21	7.0	23.7	7.05	-20.1	(P) F	(L) F
CCV		10/14/19	1630	2810F55	4/20	10.01	27.0	10.01	-22.5	(P) F	(L) F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Brian Davis	10/2/19	840	0.00	0.00	(P) F	(L) F

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

COMMENTS:

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Continuous Monitoring Event

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Brian DavisField Report Prepared By: Kimberly Appleby

Project ID: SMP

Collected By: B. Davis, A. Kaimbacher, & K. ApplebySampling Agency: FDEP NE ROL

Loc#	WIN / Field ID:  20030758		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/10/2019</u> Time <u>1115</u>	☒ Eastern ☒ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)	
Field			Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Diss. Oxygen <u>4.76</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>—</u>	
WIN	Hopkins Cr at Kings Rd.		Temp (C) <u>25.6</u>	pH <u>7.38</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>36350</u>	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>22.94</u>	Comments			C
L	WIN ID/Field ID:  20030802		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/10/2019</u> Time <u>1350</u>	☒ Eastern ☒ Central	Composite end Date _____ Time _____		
F	SHERMAN CR @ CONF SAN PABLO R		Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Diss. Oxygen <u>4.59</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>—</u>	
V			Temp (C) <u>25.8</u>	pH <u>7.34</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>32180</u>	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>20.02</u>	Comments			B
Location			☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	☐ Eastern ☐ Central	Composite end Date _____ Time _____		
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: <u>[Signature]</u>	Date/Time: <u>10-10-2019</u>	Shipping Method: <u>Fed Ex</u>	Number of Coolers Shipped: <u>2</u>	Received By: _____	Date/Time: _____
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1645

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	NE-ALS-ENQ						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	PCR-HF183						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	0
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
	W-PO4-F						
Group: B	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: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
CHLSUITE-W					
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>0</u>
NE-ALS-ENQ					
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>1</u>
W-NH3					
W-NO2NO3					
W-S-A-TP					
W-TKN					
W-TOC					
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>1</u>
W-PO4-F					
Group: C	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
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 <u>1</u>
CHLSUITE-W					
Group: C	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u> → sent to ALS
NE-ALS-ENQ					
Group: C	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>1</u>
W-F-F					
W-PO4-F					
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab <u>1</u>
W-ICP					
W-ICPMS					
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>1</u>
W-NH3					
W-NO2NO3					
W-S-A-TP					

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

W-TKN

W-TOC



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / No

WIN Station Name: Open creek 200 meters above mouth

Date: 10/10/2019
(mm/dd/yyyy)

WIN/ Field ID: G2NE1178

WBID: 2299A

Latitude: 30.261952

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.43236

(Decimal Degrees)

Receiving Body of Water: ICW

RQ-2019- 10-07-36

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment									
The Brian Davis Amy Kalmbacher <u>Kim A.</u>					☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole							
										☐ Carboy	☐ Syringe								
										☐ Dipper	☐ Other								
										Depth Measured with <u>well #1</u>									
Equipment ID <u>0-730 #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>Dec</u>					Matrix: Fresh / <u>Marine</u> / Di									
Photos: Yes ☐ No ☒					Flow: No Flow / Intestinal / <u>Flowing</u> / NA					Tide: Rising / <u>Falling</u> / Slack / NA					Tide Times: High <u>900</u> Low				
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)									
EST	<u>1005</u>	<u>1.6</u>	<u>0.3</u>		<u>5.14</u>	<u>70.2</u>	<u>7.29</u>	<u>20.41</u>	<u>32706</u>	<u>25.2</u>									
CEN	<u>1007</u>		<u>1.17</u>			<u>5.07</u>	<u>69.7</u>	<u>7.31</u>	<u>21.34</u>	<u>34049</u>	<u>25.2</u>								
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:																			
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:																			
Parameter Suite	Parameter Methods					Preservation	Lot#	Expiration	pH Check										
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☒ Ice ☐ H2SO4	<u>SA9129100</u>	<u>5/9/20</u>	☒ <2										
Metals	☒ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3	<u>NA8344050</u>	<u>12/10/15</u>	☒ <2										
Filtered Nutrients	☐ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice	<u>R9BA86875</u>												
Chlorophyll	☒ CHLSUITE-W					☒ Ice													
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS					☐ Ice													
Physical/Aggregate (Marine)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					☒ Ice													
Macroinvertebrates	☐ MI-FW-QLDC					☐ Formalin													
Periphyton	☐ ALGAE-ID					☐ Ice													
Microbiology	☐ E Coli ☐ F Coli ☒ Enterococci					☒ Ice													
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2					☒ Ice													
	☒ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD																		
Tracers	☐ W-E8321-DI ☐ W-E8321-MS					☐ Ice													
Pesticides	☒ W-PSNP-TQ ☒ W-CT-CL-R ☐ W-E8321-DI					☒ Ice													
	☐ W-PCL-SQ-R ☒ WE8321-MS ☐ W-CARB-AA																		
Phytoplankton	☒ DTY-QN-C ☐ PKD-QN-C					☐ Ice													

Notes:

WIN ID/Field ID:



G2NE1178

Open creek 200 meters above mouth

Signature: B. D.

Date: 10/10/19

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

Florida Department of Environmental Protection

Central Laboratory Submittal Form

ICW Boat

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. ParrishField Report Prepared By: Kimberly ApplebyCollected By: B. Davis, A. Kalmbacher, K. ApplebySampling Agency: FDEP NE ROL

WIN ID/Field ID:



G2NE1178

Open creek 200 meters above mouth

☐ Comp ☐ Grab		Collection (comp begin or grab) Date <u>10/19/2019</u> Time <u>1005</u>		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2) A
Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Diss. Oxygen <u>5.14</u>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>—</u>		
Temp (C) <u>25.2</u>		pH <u>7.29</u>		Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>32706</u>		
Salinity (ppt) <u>20.41</u>		Comments					

☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C)		pH		Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)		
Salinity (ppt)		Comments					

☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C)		pH		Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)		
Salinity (ppt)		Comments					

☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C)		pH		Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)		
Salinity (ppt)		Comments					

Relinquished By: <u>[Signature]</u>	Date/Time <u>10-10-2019</u>	Shipping Method <u>Fed Ex</u>	Number of Coolers Shipped: <u>2</u>	Received By:	Date/Time
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1645

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>1</u> → Sent to ALS
	NE-ALS-ENQ					
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	PCR-HF183					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative: CH ₂ ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-CARB-AA					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
	W-CT-CI-R W-PCL-SQ-R					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-E8321-DI W-E8321-MS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: HNO ₃	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-ICP W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H ₂ SO ₄	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-NH ₃ W-NO ₂ NO ₃ W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-PO ₄ -F					
Group: A	Bottle Type:	BG-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>—</u>

Group: A

Bottle Type:

BG-1L

of Bottles: 4

Preservative:

ICE

Enter Number of Bottles Sent to Lab

4

W-PSNP-TQ



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

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

www.alsglobal.com

SR #
ALS Contact

Page _____ of _____

Project Name ILW Boat		Project Number RQ-2019-10-07-36		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																				
Report To Jeremy Parrish		Report CC		Preservative																Preservative Key				
Company/Address Baymeadow Way W. FDEP NE ROL				NUMBER OF CONTAINERS Enterococci																0. None 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other REMARKS				
Phone # 1904256-1700		FAX #																						
Sampler's Signature [Signature]		Sampler's Printed Name K. Appleby																						
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE TIME		Matrix																				
G2NE1178		10/10/19	1005	SW	1	X																	Marine	
Special Instructions/Comments:				TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) STANDARD REQUESTED FAX DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data				INVOICE INFORMATION P.O. # Bill to:												
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 0.3				CUSTODY SEALS: Y N				REQUESTED REPORT DATE				Edata Yes No												
Relinquished By Signature [Signature] Printed Name K. Appleby Firm FDEP NE ROL Date/Time 10/10/19 1550		Received By Signature [Signature] Printed Name [Signature] Firm [Signature] Date/Time [Signature]		Relinquished By Signature [Signature] Printed Name [Signature] Firm [Signature] Date/Time [Signature]		Received By Signature [Signature] Printed Name [Signature] Firm [Signature] Date/Time [Signature]		Relinquished By Signature [Signature] Printed Name [Signature] Firm [Signature] Date/Time [Signature]		Received By Signature [Signature] Printed Name [Signature] Firm [Signature] Date/Time [Signature]														