



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Apalachicola River .8 miles upstream Owl Creek

Date: 05/28/19

(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0042

WBID: 375D

Latitude: 29.9822

(Decimal Degrees)

County: Liberty/Gulf

ORG ID: 21FTLHR

Longitude: 85.0272

(Decimal Degrees)

Receiving Body of Water: Inter-coastal/Gulf of Mexico

RQ- 2019-05-29-43

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
<u>J. Burtcher</u> <u>J. Woods</u>				☒	☒	☒	☒	☒	☒ Sample Container	☒ Van Dorn	☐ Pole	
									☐ Carboy	☒ Syringe		
									☐ Dipper	☐ Other		
				Depth Measured with Equipment ID								
				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>134177</u>				Matrix: <u>Fresh</u> / Marine / DI				
Photos: Yes / <u>No</u>				Flow: No Flow / Intestinal / <u>Flowing</u> / NA				Tide: Rising/ Falling/ Slack/ NA				
Tide Times: High Low												
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)		
EST	1120	6.8	0.3	0.6	5.88	77.1	7.31	0.06	130.8	29.5		
CEN	1123		6.3		5.83	76.4	7.27	0.06	130.7	29.4		
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	9010030		☐ <2				
Metals	☒ W-ICPMS ☒ W-ICP				☒ Ice ☐ HNO3	9099030		☐ <2				
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice							
Chlorophyll	☒ CHLSUITE-W				☒ Ice							
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice							
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice							
Macroinvertebrates	☐ MI-FW-QLDC				☐ Formalin							
Periphyton	☐ ALGAE-ID				☐ Ice							
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci				☒ Ice							
Molecular	☐ PCR-FILTER ☐ PCR-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:				Field/WIN ID → Location ↓ Apalachicola River 0.8 miles upstream Owl Creek								
Signature: <u>[Signature]</u>				Date: <u>05/28/19</u>								

LIMS EVENTID:

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

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: J. Butcher

Field Report Prepared By: J. Butcher

Sampling Agency: 8034

Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Location ↓		Date 05/28/19 Time 1025		Date		(See pg 2)	
WIN/ST		G2TLHR0013		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		BROTHERS RIVER @ MOUTH		Temp (C) 29.6		pH 7.19		Sample Depth 6.3	
				Salinity (ppt) 0.06		ft		Sp. Conductance (umho/cm) 124.7	
				dd		m		A	
				dms					
Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Location ↓		Date 5/28/19 Time 1100		Date		(See pg 2)	
WIN/ST		G2TLHR0023		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		FORT GADSDEN @ MOUTH		Temp (C) 26.5		pH 7.18		Sample Depth 0.3	
				Salinity (ppt) 0.06		ft		Sp. Conductance (umho/cm) 119.7	
				dd		m		A	
				dms					
Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Location ↓		Date 5/28/19 Time 120		Date		(See pg 2)	
WIN/ST		G2TLHR0042		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		Apalachicola River 0.8 miles upstream		Temp (C) 29.5		pH 7.31		Sample Depth 0.3	
				Salinity (ppt) 0.06		ft		Sp. Conductance (umho/cm) 130.8	
				dd		m		A	
				dms					
Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Location ↓		Date		Date		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude				Temp (C)		pH		Sample Depth	
				Salinity (ppt)		ft		Sp. Conductance (umho/cm)	
				dd		m			
				dms					

Relinquished By: JR JW	Date/Time: 5/28/19 1526	Shipping Method: HD	Number of Coolers Shipped: 1	Received By: [Signature]	Date/Time: 5/28/19 1526
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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: 154177

RQ: 2019.05.27.43

Project: SMP 2019

- 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 4/19/19

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. Burchett	5/28/19	802	20.1	756.9	9.0	9.05	99.6	-	0.98	P/F	L/F
ICV	"	↓	812	19.1	756.9	9.2	9.22	99.7	-	-	P/F	L/F
CCV		↓	1530	25.6	755.0	8.1	8.22	100.5			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.	J. Burchett	5/28/19	804	180621C	07/19	1000	1000	P/F	L/F
ICV	"	↓	814	2808884	07/20	100	102	P/F	L/F
CCV		↓	1532	2808884	07/20	100	101	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.	J. Burchett	5/28/19	806	180621E	01/20	7.01	20.1	7.02	-2.4	P/F	L/F
Calibr.	"	↓	808	190405B	10/20	4.01	19.8	4.00	170.5	P/F	L/F
Calibr.	"	↓	810	180621F	01/20	10.08	19.1	10.07	-173.0	P/F	L/F
ICV	"	↓	816	180621F	01/20	10.06	19.6	10.07	173.8	P/F	L/F
CCV		↓	1534	190405B	10/20	4.01	21.3	3.93	175.0	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: 4/19/19

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	J. Burchett	5/28/19	800	0.000	0.000	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: Fort Gadsden @ Mouth

Date: 05/28/19
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0023

WBID: 1240

Latitude: 29.9322

(Decimal Degrees)

County: Franklin

ORG ID: 21FLTLHR

Longitude: 85.011

(Decimal Degrees)

Receiving Body of Water: Apalachicola River

RQ-2019-0527-43

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. Butcher									
J. Woods									

Sampling Equipment		
☐ Sample Container	☒ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	

Depth Measured with Equipment ID _____

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

Water Level: Dry/ Pooled/ Low Normal High / Flooded Meter ID# 134177 Matrix: Fresh / Marine / DI

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

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	1100	3.1	0.3	0.5	4.86	630	7.10	0.05	119.7	28.9
CEN	1103		2.6	0.4	0.61	7.3	5.78	0.02	38.0	22.9

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	9010030		☐ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	909030		☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 um Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-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 ☐ W-E8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes:

Field/WIN ID → G2TLHR0023

Location ↓ FORT GADSDEN @ MOUTH

Signature: [Signature] Date: _____

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)

Relinquished By: JB, JW	Date/Time 5/28/19 1526	Shipping Method H D	Number of Coolers Shipped: 1	Received By: 	Date/Time 5/28/19 1526
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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: 154177

RQ- 2019.05.27.43

Project: Smp 2019

- 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 4/19

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. Burchett	5/28/19	802	20.1	756.9	9.0	9.05	99.6	-	0.98	P/F	L/F
ICV	"	↓	812	19.1	756.9	9.2	9.22	99.7	-	-	P/F	L/F
CCV		↓	1530	25.6	7550	8.1	8.22	100.5			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.	J. Burchett	5/28/19	804	180621C	07/19	1000	1000	P/F	L/F
ICV	"	↓	814	2808884	07/20	100	102	P/F	L/F
CCV		↓	1532	2808884	07/20	100	101	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.	J. Burchett	5/28/19	806	180621E	01/20	7.01	20.1	7.02	-2.4	P/F	L/F
Calibr.	"	↓	808	190405B	10/20	4.01	19.8	4.00	170.5	P/F	L/F
Calibr.	"	↓	810	180621F	01/20	10.08	19.1	10.07	-173.0	P/F	L/F
ICV	"	↓	816	180621F	01/20	10.06	19.6	10.07	173.8	P/F	L/F
CCV		↓	1534	190405B	10/20	4.01	21.3	3.93	175.0	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: 4/19

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	J. Burchett	5/28/19	800	0.000	0.000	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: Brothers River @ Mouth

Date: 05/28/2019

WIN/ Field ID: G2TLHR0013

WBID: 3751

Latitude: 29.7663 29.85138

County: Gulf

ORG ID: 21FLTLHR

Longitude: 85.0778 85.03679

Receiving Body of Water: Apalachicola River

RQ-2019-05-27-93

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. Burtch									
J. Woods									

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	

Depth Measured with Equipment ID _____

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

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

Meter ID# 154177

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Intestinal / Flowing NA

Tide: Rising/ Falling/ Slack/ NA

Tide Times: High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1025	4.1	0.3	0.7	5.35	70.2	7.19	0.06	124.7	29.6
CEN	1028		3.6		4.89	63.7	7.13	0.06	124.7	29.1

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	9010030		☐ <2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☐ HNO3	9099030		☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-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			

Notes:

Field/WIN ID →

Location ↓



G2TLHR0013



BROTHERS RIVER @ MOUTH

Signature: Jade

Date: 05/28/19

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)

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By:

Field Report Prepared By:

Sampling Agency: 8034

[illegible]

Relinquished By:

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

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: 154177

RQ- 2019.05.27.43

Project: SMP 2019

- 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 4/17/19

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. Burchett	5/28/19	802	20.1	756.9	9.0	9.05	99.6	-	0.98	P/F	L/F
ICV	"	↓	812	19.1	756.9	9.2	9.22	99.7	-	-	P/F	L/F
CCV		↓	1530	25.6	750	8.1	8.22	100.5			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.	J. Burchett	5/28/19	804	180621C	07/19	1000	1000	P/F	L/F
ICV	"	↓	814	2808884	07/20	100	102	P/F	L/F
CCV		↓	1532	2808884	07/20	100	101	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.	J. Burchett	5/28/19	806	180621E	01/20	7.01	20.1	7.02	-2.4	P/F	L/F
Calibr.	"	↓	808	190405B	10/20	4.01	19.8	4.00	170.5	P/F	L/F
Calibr.	"	↓	810	180621F	01/20	10.08	19.1	10.07	-173.0	P/F	L/F
ICV	"	↓	816	180621F	01/20	10.06	19.6	10.07	173.8	P/F	L/F
CCV		↓	1534	190405B	10/20	4.01	21.3	3.93	175.0	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: 4/17/19

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	J. Burchett	5/28/19	800	0.000	0.000	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: