

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: **157065**

RQ: **N/A**

Project: **COMPLAINT 9.22.23**

- 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.	BRUMFIELD	10/10/23	0808	22.1	760	8.9	8.71	100		1.03	P/F	D/F
ICV	BRUMFIELD	10/10/23	0845	22.1	760.5	8.7	8.79	101.5		1.103	P/F	D/F
CCV	BRUMFIELD	10/10/23	1229	25.3	769.9	8.2	7.80	96			P/F	D/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.	BRUMFIELD	10/10/23	0853	230627A	7/24	100	100.1	P/F	L/F
ICV	BRUMFIELD	10/10/23	0855	221221B	11/24	1000	997	P/F	D/F
CCV	BRUMFIELD	10/10/23	1233	230627A	7/24	100	101.4	P/F	D/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.	BRUMFIELD	10/10/23	0905	1420690	8/24	7	22.1	7.74	-82.2	P/F	D/F
Calibr.			0902	1420886	5/24	4	22.0	4.0	88.7	P/F	D/F
Calibr.			0907	1430576	12/27	10	22.0	10.04	28.4	P/F	D/F
ICV			0910	1420886	5/24	4	22.0	4.02	86.7	P/F	D/F
CCV	BRUMFIELD	10/10/23	1235	1420886	5/24	4	22.3	4.12	81.7	P/F	D/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						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:

Public Complaint

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Requester: Christopher Slade

Field Report Prepared By:

S. Slade

Project ID: SMP

Collected By:

Nicole Weaver, Mike Brumfield

Sampling Agency:

FDEP - NW District

Location ICW (old river) off of Innerarity Pt.	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/10/2023 Time 1005	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID	Matrix (type, e.g. Salt, Fresh, etc)	Diss. Oxygen 6.93	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORET # G5NW0014	Temp (C) 23.6	pH 7.99	Sample Depth 0.3	Sp. Conductance (umho/cm) 45455	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 30.4	Comments		
Location ICW west end of Big Lagoon near ICW bridge	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/10/2023 Time 10:30	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Matrix (type, e.g. Salt, Fresh, etc)	Diss. Oxygen 6.37	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORET # G5NW0019	Temp (C) 22.6	pH 7.41	Sample Depth 0.2	Sp. Conductance (umho/cm) 43085	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 29.3	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	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	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments		

Relinquished By: S. Slade For N. Weaver	Date/Time 10/10/2023 1130	Shipping Method hand delivered	Number of Coolers Shipped: 0	Received By:	Date/Time
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Group: A

Bottle Type:

TEST HAS NO
BOTTLE

of Bottles: 2

Preservative:

ICE

Enter Number of Bottles Sent to Lab

0

NW-UWF-ENQ



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: ICW (Old River) off of Innerarity Point

Date: 10/10/2023

(mm/dd/yyyy)

WIN/ Field ID: G5NW0014

WBID: 1004C

Latitude: 30.81054°N

County: Escambia

ORG ID: 21FLPNS

Longitude: -87.46641°W

(Decimal Degrees)

(Decimal Degrees)

Receiving Body of Water: Perdido Bay

RQ-2023-10-02-74

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Nicole Weaver	✓	✓	✓		✓
Mike Brumfield	✓	✓	✓		✓

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 DOCK	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded		Meter ID# _____	
Photos: Yes / No	Flow: No Flow / Intestinal / Flowing / NA	Tide: Rising/ Falling/ Slack/ NA	Tide Times: High Low
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:			
SBIO ID Numbers:	SBIO-ID: _____	HA-ID: _____	RPS-ID: _____
Macrophyte-ID: _____		LIMS#: _____	

Notes:

Duplicate Sample

Time Zone: 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 ID: _____
☐ Equipment Blank	
☐ Field Cleaned Equipment Blank	

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

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

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



RQ-2019-

Customer: NW-DIST

Project ID: Complaint

Collected By: _____

Field Report Prepared By: _____

Sampling Agency: FDEP NWDIST

Field/WIN ID →



G5NW0014

Location:

ICW (Old River) off of Innerarity Point

Comments:

Matrix: Fresh / Marine / Field Blank / Equipment Blank

(Check one) ☐ COMPOSITE ☐ GRAB

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)
10/10/2023	10:05 CST	6.93	96.8	23.6	7.99	0.3			45455	
	CST						☐ VOB (S)			

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot# Exp:	☐ Ice ☐ H2SO4	☐ <2		
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP Lot# Exp:	☐ Ice ☐ HNO3	☐ <2		
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
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			
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		CONTRACT LAB	
Molecular (QPCR-P-500ML)	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-E8321-DI	☐ Ice ☐ CH2CICOOH			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: ICW west end of Big Lagoon near ICW bridge

Date: 10/10/2023
(mm/dd/yyyy)

WIN/ Field ID: G5NW0019

WBID: 1004D

Latitude: 30.31402° N
(Decimal Degrees)

County: Escambia

ORG ID: 21FLPNS

Longitude: -87.47364° W
(Decimal Degrees)

Receiving Body of Water: Perdido Bay

RQ-2023- 10-02-74

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Nicole Weaver	✓	✓	✓		✓
Mike Brumfield	✓	✓	✓		✓

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 DOCK	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded		Meter ID#	
Photos: Yes / No	Flow: No Flow / Intestinal / Flowing / NA	Tide: Rising/ Falling/ Slack/ NA	Tide Times: High Low

Biological Samples Collected:	None	HA	SCI	RPS	Algae ID	LVS	LVI	Other:
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID:	Macrophyte-ID:	LIMS#:			

Notes:

Duplicate Sample

Time Zone: EST CEN	Time: _____	Field ID: _____	(WIN ID_DUP)
WIN DMT Activity ID: _____			

Blank

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

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

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

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



RQ-2019-

Customer: NW-DIST

Project ID: Complaint

Collected By: _____

Field Report Prepared By: _____

Sampling Agency: FDEP NWDIST

Field/WIN ID →



G5NW0019

Location:

ICW west end of Big Lagoon near ICW bridge

Comments:

Matrix: Fresh / Marine / Field Blank / Equipment Blank

(Check one) ☐ COMPOSITE ☐ GRAB

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 _h)
10/10/2023	10:30	6.37	86.2	22.6	7.41	0.2			43085	
	CST									
	CST						☐ VOB (S)			

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☐ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP Lot# _____ Exp: _____	☐ Ice ☐ H2SO4	☐ <2		
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP Lot# _____ Exp: _____	☐ Ice ☐ HNO ₃	☐ <2		
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
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			
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		CONTRACT LAB	
Molecular (QPCR-P-500ML)	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-E8321-DI	☐ Ice ☐ CH2ClCOOH			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time:

Document Reference # 05.1.0

Sampler's initials: NW/MB

Page 1 of 1

Date/Time: 10/10/2023, 11:30

Date/Time: 10/10/2023 11:30

[illegible]

Surface water, no chlorine expected

RQ -2023-10-02-74

Contact name:	Mike Brumfield	Phone:	850-595-8300	850-595-0557
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Sampler's name: Nicole Weaver & Mike Brymfield

¹Matrix examples: SW = surface water, PW = pore water, GW = ground water, FW = Freshwater, MW = Marine Water, BW = Brackish Water, S = soil/sediment, Other X =

²Type codes: G = grab, C = composite, X =

³ Recorded using IRT-2