

Request Number: RQ-2022-11-21-19

Escambia Slough investigation

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 2

last revised Jan 25, 2018

Customer: NE-DIST

Project ID: DISCRTNARY

Requester: Jeremy M. Parrish

Field Report Prepared By:

Katherine Halbert

Collected By: Jeremy M. Parrish

Sampling Agency:

NEROC

Locat	WIN ID/Field ID:  G4NE0287		Escambia Slough at Escambia St.		☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field					Date 11/21/22		Time 10:00		Date		Time		(See pg 2)	
WIN					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A	
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C) 15.6		pH 7.56		Sample Depth 0.3		Sp. Conductance (umho/cm) 51151	
Loc	WIN ID/Field ID:  G4NE0310		Escambia Slough at Dade St.		Salinity (ppt) 33.63		Comments		☐ Comp ☒ Grab		☒ Eastern ☐ Central		Bottle Group(s)	
Field					Date 11/21/22		Time 10:20		Date		Time		A	
WIN					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)			
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C) 14.9		pH 7.31		Sample Depth 0.201		Sp. Conductance (umho/cm) 49352	
L	WIN ID/Field ID:  G4NE0315		Escambia Slough @ N.8th St.		Salinity (ppt) 32.28		Comments		☐ Comp ☒ Grab		☒ Eastern ☐ Central		Bottle Group(s)	
F					Date 11/21/22		Time 10:30		Date		Time		A	
V					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)			
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C) 14.6		pH 7.18		Sample Depth 0.229		Sp. Conductance (umho/cm) 34960	
L	WIN ID/Field ID:  G4NE0318		Escambia Slough Tributary Church Trail		Salinity (ppt) 28.1		Comments		☐ Comp ☒ Grab		☒ Eastern ☐ Central		Bottle Group(s)	
F					Date 11/21/22		Time 1100		Date		Time		A	
V					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)			
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C) 21.3		pH 7.13		Sample Depth 0.059		Sp. Conductance (umho/cm) 0.17	
					Salinity (ppt)		Comments		Total Depth: 0.118m; Secchi Depth: 0.118m					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Katherine Halbert	11/21/22/1430	FedEx	2		

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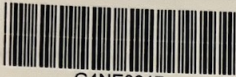
Project ID: DISCRTNARY

Collected By:

Jeremy M. Parrish

Sampling Agency:

NEROC

Loc	WIN ID/Field ID:  G4NE0317		☐ Comp	Collection (comp begin or grab)	☒ Eastern	Composite end	Bottle Group(s)
Field	Escambia Slough West of N.14th		☒ Grab	Date 11/21/22 Time 11:15	Central	Date / Time /	(See pg 2)
WIN			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☒ mg/L Total Res. Chlorine	A
		Fresh		9.3% / 0.91 mg/L	☒ % sat (mg/L) /		
		Temp (C) 15.8	pH 7.21	Sample Depth 0.101	☒ ft Sp. Conductance (umho/cm) 588		
Latitude	☐ dd	Longitude	☐ dd	Salinity (ppt) 0.29	Comments		
Loc	WIN ID/Field ID:  G4NE0316		☐ Comp	Collection (comp begin or grab)	☒ Eastern	Composite end	Bottle Group(s)
Field	Escambia Slough Tributary North of 13th Terrace		☒ Grab	Date 11/21/22 Time 11:40	Central	Date / Time /	A
WIN			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☒ mg/L Total Res. Chlorine	
		Fresh		8.4% / 0.82 mg/L	☒ % sat (mg/L) /		
		Temp (C) 16.1	pH 7.14	Sample Depth 0.05	☒ ft Sp. Conductance (umho/cm) 656		
Latitude	☐ dd	Longitude	☐ dd	Salinity (ppt) 0.32	Comments		
Total Depth: 0.1 m; Secchi Depth: 0.1 m							
Location			☐ Comp	Collection (comp begin or grab)	☐ Eastern	Composite end	Bottle Group(s)
Field ID			☐ Grab	Date / Time /	Central	Date / Time /	
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L Total Res. Chlorine	
				☐ % sat (mg/L) /			
		Temp (C)	pH	Sample Depth	☐ ft Sp. Conductance (umho/cm)		
Latitude	☐ dd	Longitude	☐ dd	Salinity (ppt)	Comments		
Location			☐ Comp	Collection (comp begin or grab)	☐ Eastern	Composite end	Bottle Group(s)
Field ID			☐ Grab	Date / Time /	Central	Date / Time /	
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L Total Res. Chlorine	
				☐ % sat (mg/L) /			
		Temp (C)	pH	Sample Depth	☐ ft Sp. Conductance (umho/cm)		
Latitude	☐ dd	Longitude	☐ dd	Salinity (ppt)	Comments		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Katherine Halbert	11/21/22 / 1430	FedEx	2		

Group: A Bottle Type: QPCR-P-500ML # of Bottles: 6 Preservative: ICE Enter Number of Bottles Sent to Lab 6

PCR-DG3
PCR-GFD
PCR-GULL2
PCR-HF183

Group: A Bottle Type: BG-500ML # of Bottles: 6 Preservative: ICE Enter Number of Bottles Sent to Lab 6

W-E8321-DI
W-E8321-MS

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:

DES1

RQ:

2022-11-21-19

Project:

Alligator Creek

(Escambia Tracers)

- 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

11/14/22

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.	K. Halbert	11/21/22	749	19.9	767.9	9.2	-	101.0	100	1.00	(P) / F	(L) / F
ICV	K. Halbert	11/21/22	757	19.7	768.2	9.2	9.26	101.3	-	1.00	(P) / F	(L) / F
CCV	K. Halbert	11/21/22	1404	20.1	766.8	9.1	9.08	100.0	-	1.00	(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.	K. Halbert	11/21/22	759	220719A	07/2023	1000	1000	(P) / F	(L) / F
ICV	K. Halbert	11/21/22	801	211122A	12/2022	15000	15173	(P) / F	(L) / F
CCV	K. Halbert	11/21/22	1406	220225B	03/2023	50000	50828	(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.	K. Halbert	11/21/22	804	M118-15	5/2/24	7.02	19.9	7.02	-20.3	(P) / F	(L) / F
Calibr.	K. Halbert	11/21/22	807	L344-18	12/29/23	4.00	19.8	4.00	154.9	(P) / F	(L) / F
Calibr.	K. Halbert	11/21/22	811	M103-01	4/19/24	10.06	19.8	10.06	-190.7	(P) / F	(L) / F
ICV	K. Halbert	11/21/22	815	M118-15	5/2/24	7.02	19.9	7.04	-19.1	(P) / F	(L) / F
CCV	K. Halbert	11/21/22	1411	M103-01	4/19/24	10.05	20.4	10.07	-192.5	(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 10 170.4, slope from 4 to 7 175.2 (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: 11/14/22

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	K. Halbert	11/21/22	817	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: