

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 5/13/2021
Customer: NW-DIST
RQ: RQ-2021-04-12-52

Collected By: Heather Schmuki ,
Sampling Agency: FDEP
Project ID: Algal Bloom Resp.

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

Number of Coolers Shipped: 1

Delivery Method: FEDEX

FIELD ID (Labels) submitted under this RQ for this collection date.

Site Location	Field ID/WIN ID
Drainage to Sarah Ann	NWHAB0010

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 05/14/21 17:55

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

Rec'd/Inspected Date:

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:

154175

RQ:

2021-04-12-52

Project:

HAB

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 Calibration, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

2/9/21

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.	H. Schmidt	5/13/21	1322	22.0	765.7	8.8	8.97	101.8			(P) F	(L) F
ICV		↓	1323	22.0	765.7	8.8	8.97	101.8			(P) F	(L) F
CCV		5/14/21	0746	22.2	766.9	8.8	9.09	103.3			(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.	H. Schmidt	5/13/21	1324	200124	8/21	10000	10000	(P) F	(L) F
ICV		↓	1325	200124B	8/21	10000	970	(P) F	(L) F
CCV		5/14/21	0747	201034	10/21	100	104.9	(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.	H. Schmidt	5/13/21	1326	202114	5/22	7.01	22.6	4.2	-48.0	(P) F	(L) F
Calibr.		↓	1328	203620	6/22	4.00	22.2	4.025	128.8	(P) F	(L) F
Calibr.		↓	1329	201473	5/22	10.63	22.7	10.03	-228.8	(P) F	(L) F
ICV		↓	1330	203620	6/22	4	24.8	3.91	135.8	(P) F	(L) F
CCV		5/14/21	0748	202114	5/22	7	22.7	6.96	-44.3	(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:

2/9/21

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	H. Schmidt	5/13/21	1334	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.

REMARKS:



Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

RQ - 2021-04-12-52				Collected By:		Heather Schmuki					
Customer:		NW District		Field Report Prepared By:		Heather Schmuki					
Project ID:		Algal Bloom Resp.		Sampling Agency:		FDEP- NW ROC					
Location: Drainage to Sarah Ann				Comments: Residents paid to have all aquatic plants removed this year and airators installed in two locations. Some construction on site.							
Field ID: NWHAB0010				Coordinates:		30.5062816 -86.4600393					
				Collection Equip:		Dipper					
WIN ID:				High Tide Time:		11:35		Low Tide Time:		20:38	
Matrix:		FW		Grab		Tide:		☐ Rising ☒ Falling ☐ Slack ☐ N/A			
Water Quality											
Date	Time ☐ EST ☒ CEN	D.O. (%)	D.O. (mg/L)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPT)	
5/13/21	15:30	13.66	165.8	25.5	6.41	0.3	0.669	0.5	115.5	0.05	
Bloom Observations											
Algal Bloom Observed? ☒ Yes ☐ No											
Water Surface		☐ Clear	☐ Scum	☐ Globbs	☒ Slick						
Water Clarity		☐ Clear	☐ Slightly Turbid	☒ Turbid	☐ Opaque						
Bloom Color		☒ Green	☐ Red	☐ Brown	☐ Other: _____				☐ N/A		
Algae Distribution		☒ Suspended in water column		☒ On surface		☐ Other: _____				☐ N/A	
Water Odors		☒ Normal	☐ Sewage	☐ Petroleum	☐ Chemical		☐ Other: _____				
Parameter Suite		Parameter Methods				Preservation		pH Check	#Bottles Sent to Lab	Bottle Group	
Bloom ID (PT-50mL)		☒ BLOOM-ID				☒ Ice			1	A	
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	B	
Toxins (BG-WD250)		☒ W-MCYST-AA				☒ Ice				B	
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP				☒ Ice	☒ H2SO4	☒ <2	1	B	
		Acid Lot:		Exp:							
Filtered Nutrients (P125mL)		☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☒ Ice			1	B	
				Filter Lot #							
Quantitative Algae		☒ DTY-QN-C / PKD-QN-C				☒ Ice	Lugols? Y / N		1	B	
Relinquished By:		Date/Time		Number of Coolers Shipped			Received By:		Date/Time		
Heather Schmuki		5/13/21; 17:55		1							