

McCoy, Ian

From: Mulkey, Nathan
Sent: Wednesday, November 4, 2020 11:35 AM
To: McCoy, Ian
Cc: Schmuki, Heather
Subject: Re: Sampling Time Zone

Follow Up Flag: Follow up
Flag Status: Flagged

All time zones should be CST

Sent from my iPhone

On Nov 4, 2020, at 8:02 AM, McCoy, Ian <Ian.McCoy@floridadep.gov> wrote:

Good morning, while reviewing the login of RQ-2020-10-19-47 (from 10/22/2020), I found that one of the sites was listed as EST, two were CEN and the Field Blank didn't have one marked. Are all these time zones correct/what is the time zone for the Field Blank? Attached is the relevant paperwork.

Thank you for your time!

Ian McCoy
Laboratory Technician IV
850-245-8062
Florida Department of Environmental Protection

<RQ-2020-10-19-47.pdf>

McCoy, Ian

From: Mulkey, Nathan
Sent: Friday, October 23, 2020 12:12 PM
To: McCoy, Ian
Subject: Re: Login Questions

That is correct.

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Friday, October 23, 2020 11:05 AM
To: Mulkey, Nathan <Nathan.Mulkey@FloridaDEP.gov>
Subject: RE: Login Questions

Just to double check, the organics sample is a blank?

From: Mulkey, Nathan <Nathan.Mulkey@FloridaDEP.gov>
Sent: Friday, October 23, 2020 11:28 AM
To: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Subject: Fw: Login Questions

From: Mulkey, Nathan <Nathan.Mulkey@FloridaDEP.gov>
Sent: Friday, October 23, 2020 10:26 AM
To: King, Michael <Michael.King@dep.state.fl.us>; Schmuki, Heather <Heather.Schmuki@FloridaDEP.gov>
Subject: Re: Login Questions

The field blank ID should be FB_10222020 and the correct location should be changed from Lake Juniper to Lake Stone. Blank was actually taken at Lake Stone.

Heather, can you provide the other info?

Nathan

From: King, Michael <Michael.King@dep.state.fl.us>
Sent: Friday, October 23, 2020 10:21 AM
To: Mulkey, Nathan <Nathan.Mulkey@FloridaDEP.gov>; Schmuki, Heather <Heather.Schmuki@FloridaDEP.gov>
Subject: Fwd: Login Questions

[Get Outlook for iOS](#)

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Friday, October 23, 2020 11:19 AM

To: King, Michael; Bunch, Cheryl
Subject: Login Questions

Good morning, I received RQ-2020-10-19-47 today and had a few questions about this event.

The Field Blank's Field ID in the paperwork is "FB102220" but the sample field labels say "FB_10222020" and mentions Lake Juniper for the location. How would you like this logged in?

For Lake Karick (Center), there is a "Also 33040210" on the location in the paperwork that didn't make it to the field label, would you like the "Also 33040210" included in the login?

Lake Stone Center's paperwork mentions an Amber Glass organics sample for bottle group C but the sample itself has the Field ID stickers for the Field Blank, which site would you like this logged in under? Lake Stone is also missing a time and no times are written on the bottles.

I'm going to hold off login until this is resolved, thank you for your time.

Ian McCoy
Laboratory Technician IV
850-245-8062
Florida Department of Environmental Protection

McCoy, Ian

From: Mulkey, Nathan
Sent: Friday, October 23, 2020 12:11 PM
To: McCoy, Ian
Subject: Fw: RQ-2020-10-19-47_10222020.pdf
Attachments: RQ-2020-10-19-47_10222020.pdf

updated

From: Schmuki, Heather <Heather.Schmuki@FloridaDEP.gov>
Sent: Friday, October 23, 2020 11:01 AM
To: Mulkey, Nathan <Nathan.Mulkey@FloridaDEP.gov>
Subject: RQ-2020-10-19-47_10222020.pdf

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

RQ-2020-10-19-47

Login Checklist

Login Station ID: #2

IM
10/23/20

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 10/23/2020 9:30 10:45

*Cooler Temperature	Samples Frozen? YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
		HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
3.3				16		✓			1Z1YR217849781279

COOLER CHECK

*All samples received on ice unless otherwise noted. HNO₃ and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# _____
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# _____
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# _____
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# _____

Chain of Custody/ Field Sheet(s) Included?

Yes ☒ No ☐

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes ☐ No ☒

CONTAINER CHECK

Evidence Tape on Bottles?

Yes ☐ No ☐ NA ☒Evidence Tape intact? Yes ☐ No ☐

If Criminal, photographs taken?

Yes ☐ No ☐Containers intact? Yes ☒ No ☐

Caps on tight?

Yes ☒ No ☐

Sufficient Sample Volume:

Yes ☒ No ☐If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# _____

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ☒ No ☐ Init: IM

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☒ Init: IM

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# _____

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH < 2.0?

Yes ☒ No ☐ NA ☐ Init: IM

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?

Yes ☐ No ☐ NA ☒ Init: IM

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

Coolers Unpacked/Checked by: IM

Date: 10/23/2020

Event contains NCRs (Y/N)? ☒

Event ID:

Western Lakes

NW-DIST-2020-10-23-01 (SMP)

Date Received: 23-OCT-2020 10:45

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #2 exp:11/5/20
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 exp: 11/1/22
Chlorine Test Strips	8261 exp: 07/2021

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ Init: _____

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ No _____

If no, were samples shipped on dry ice? Yes _____ No _____

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 10/22/2020
Customer: NW-DIST
RQ: RQ-2020-10-19-47
Collected By: Heather Schmuki, Nathan Mulkey
Sampling Agency: FDEP
Project ID: SMP

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

Number of Coolers Shipped: 1

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

Site Location	Field ID/WIN ID
Lake Stone Center	 G4NW0426
Lake Karick (center) (also 33040210)	 G4NW0274
Locklin Lake Center	 G4NW0437
FB	 FB102220

RELINQUISHED BY(SIGNATURE):

Heather Schmuki

DATE/TIME:

10/22/2020; 15:00

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

IM

Rec'd/Inspected Date:

10/23/20

CALIBRATION AND VERIFICATION LOG (DEP 500 FT 1000 FT 1500, PD 1000 PD 4000)

Master ID: 154179

NO: 2020-10-19-47

Project: SAMP

Page 1 of 1
Date of this log
Page 1 of 1

- 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: 20.00/20.00

Date of last Temperature Verification: 10/13/20

DO	Name	Date	Time	Temp	Bar	D.O.	Meter	N.D.O.	Probe	Probe	Pass	Lab
DEP 500			CT-ET	°C	meter	Chart	D.O.		Charge	Gain	/	/
FT 1500					mmHg	mg/L	mg/L				Field	Field
Cellar	H. Schmitt	10/14/20	0730	23.1	763	2.5	8.72	10.1			0.1	1.1
ICV			0731	23.1	763	2.5	8.42	10.1			0.1	1.1
CCV			0732	23.1	763	2.5	8.35	10.4			0.1	1.1
CCV			0733	23.1	763	2.5	8.35	10.4			0.1	1.1

DO Acceptance criteria from Table 2: 0.2 mg/L

Rapid-Response Sensors: DO Gain Range 0.7 to 1.4, DO Charge Range 25-75

Optical: DO gain range 0.85 to 1.15 (Pro DO2 C 15 to 1.50); DO charge N/A. Steady-state & Calvanic Sensors: DO Gain & Charge N/A

Spac.	Name	Date	Time	Lot #	Expt.	Standard	Meter	Pass	Lab
Cond.			CT-ET		Date	umhos/cm	Reading	/	/
FT 1200							umhos/cm	Field	Field
Cellar	H. Schmitt	10/14/20	0732	20-140	2/12	1000	1000	0.1	1.1
ICV			0733	20-140	2/12	100	101.3	0.1	1.1
CCV			0734	20-140	2/12	100	102.0	0.1	1.1
CCV			0735	20-140	2/12	100	102.0	0.1	1.1

Conductivity Acceptance criteria: 2.0

pH	Name	Date	Time	Lot #	Expt.	pH	Temp	Meter	Pass	Lab
DEP 500			CT-ET		Date	Buffer	°C	Reading	/	/
FT 1100								°C	Field	Field
Cellar	H. Schmitt	10/14/20	0735	2301682	3/12	7.01	23.9	7.01	0.1	1.1
Cellar			0736	2301682	6/12	7.20	23.5	7.20	0.1	1.1
Cellar			0737	2301682	5/12	7.02	23.1	7.02	0.1	1.1
ICV			0738	2301682	6/12	7.02	23.1	7.02	0.1	1.1
CCV			0739	2301682	6/12	7.02	23.1	7.02	0.1	1.1
CCV			0740	2301682	6/12	7.02	23.1	7.02	0.1	1.1

pH Acceptance criteria: 0.2 pH

Temp Acceptance criteria: 0.2 °C

Temp Acceptance criteria: 0.2 °C

If any are recorded, enter them below:

Does meter have a depth sensor that will be used to measure water column, column depth: YES

YES: Can field data be used to measure water column depth? YES

NO: What will be used to measure water column depth?

Depth Sensor	Name	Date	Time	Expt.	DO	Temp	Pass	Lab
(Only Calibration & ICV)			CT-ET				/	/
Pressure mode in air	H. Schmitt	10/14/20	0741	7.02	23.1	7.02	0.1	1.1

Report field data:

COMMENTS:



RQ-2020-10-19-47

Customer: WQAP

Project ID: SMP

Collected By: Heather Schmuki, Nathan Mulkey

Field Report Prepared By: Heather Schmuki

Sampling Agency: FDEP

Place Label Here						Comments:				
WIN ID/Field ID: 										
G4NW0437										
Location: Locklin Lake Center										
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
10/22/2020	09:58	8.88	103	23.3	5.72	0.3	1.5 ☒ VOB (S)	1.5	48.2	0.02
EST CST IM-11/18/2020										
Central Lab please use top row for login purposes										
	09:59	7.3	84.4	22.3	5.61	1			50.9	0.02
EST										
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4*		☒ <2	1	A
		Lot # Sa9354050		Exp:		12/20/20				
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*		☐ <2		
		Lot #		Exp:						
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
		Filter Lot # 17097890								
		Syringe Lot # 0079929								
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	A
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				
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐				☐ Ice				
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
						☐ Ice				
Name: Heather Schmuki Nathan Mulkey				Signature: 				Date: 10/22/20		

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
☒ es / No

WIN Station Name: Locklin Lake Center

Date: 10/22/2020

WIN/Field ID: G4NW0437

WBID: 24AF

ENR:

Latitude: 30.6279

County: SANTA ROSA

Org ID: 21FLPNS

Longitude: -87.0486

Receiving Body of Water: Pensacola

RQ- 2020-10-19-47

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Heather Schmuki	☒		☒		
☒	Nathan Mulkey		☒		☒	☒
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☒ Syringe	☐ Pole
Depth measured with: Sonar	
Secchi Equipment ID:	
Collection Method	
☐ Wading	☒ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# 154179 (ProDSS)	
Photos: NO	Flow: NA	Tide:	Tide Times: High: Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes:			

Duplicate Sample

Time Zone: EST	Time: N/A	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone:	Time: N/A	Field ID: N/A	(Blank Type_DDMYYYY)
DI Source: N/A	Location: N/A		
DI Type: N/A	Equipment ID: N/A		

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-2020-10-19-47

Customer: WQAP

Project ID: SMP

Collected By: Heather Schmuki, Nathan Mulkey

Field Report Prepared By: Heather Schmuki

Sampling Agency: FDEP

Place Label Here						Comments:				
WIN ID/Field ID: 										
G4NW0274										
Location: Lake Karick (center) (also 33040210)										
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE				
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)
10/22/2020	10:23 CEN	7.3	86.3	24.1	5.65	0.3	1.9 ☐ VOB (S)	4.2	16.3	0.01
Central Lab please use top row for login purposes										
	10:39 CEN	3.39	39.5	23	4.9	3.7			16.7	0.01
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4*		☒ <2	1	A
		Lot #		Sa9354050		Exp:		12/20/20		
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*		☐ <2		
		Lot #				Exp:				
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
		Filter Lot #		17097890						
		Syringe Lot #		0079929						
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	A
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				
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐				☐ Ice				
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
						☐ Ice				
Name: Heather Schmuki Nathan Mulkey				Signature: 				Date: 10/22/2020		

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
☒ Yes / ☐ No

WIN Station Name: Lake Karick (center) (also 33040210) **Date:** 10/22/2020
WIN/Field ID: G4NW0274 **WBID:** 145 **ENR:** **Latitude:** 30.89633
County: OKALOOSA **Org ID:** 21FLPNS **Longitude:** -86.64424
Receiving Body of Water: Pensacola **RQ:** 2020-10-19-47

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Heather Schmuki	☒	☐	☒	☐	☐
☒	Nathan Mulkey	☐	☒	☐	☒	☒
☐		☐	☐	☐	☐	☐
☐		☐	☐	☐	☐	☐

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☒ Syringe	☐ Pole
Depth measured with: Sonar	
Secchi Equipment ID:	
Collection Method	
☐ Wading	☒ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# 154179 (ProDSS)
Photos: NO	Flow: NA	Tide:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:		Tide Times: High: Low:
SBIO ID Numbers:		
Notes:		

Duplicate Sample

Time Zone: CEN	Time: N/A	Field ID: N/A (WIN ID_DUP)
WIN DMT Activity ID:		

Blank

Time Zone:	Time: N/A	Field ID: N/A (Blank Type_DDMMYYYY)
DI Source: N/A	Location: N/A	
DI Type: N/A	Equipment ID: N/A	

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



RQ-2020-10-19-47

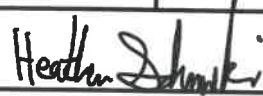
Customer: WQAP

Project ID: SMP

Collected By: Heather Schmuki, Nathan Mulkey

Field Report Prepared By: Heather Schmuki

Sampling Agency: FDEP

Place Label Here							Comments:			
WIN ID/Field ID:  G4NW0426 Location: Lake Stone Center										
Matrix: Fresh							(Check one) ☒ GRAB ☐ COMPOSITE			
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)
10/22/2020	12:41 CEN	7.2	86.4	24.8	6.27	0.3	2.2 ☐ VOB (S)	3.6	31.5	0.01
Central Lab please use top row for login purposes										
	12:52 CEN	3.96	46.7	23.7	5.85	3.1			32.2	0.01
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4*		☒ <2	1	A
		Lot #		Sa9354050		Exp:		12/20/20		
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*		☐ <2		
		Lot #				Exp:				
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
		Filter Lot #		17097890						
		Syringe Lot #		0079929						
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	A
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				
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice				
Tracers (BG-500ML)		☒ W-E8321-DI ☒ W-E8321-MS				☒ Ice			1	C
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ AV-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
						☐ Ice				
Name: Heather Schmuki					Signature: 			Date: 10/22/2020		

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

IM
10/23/20

see email



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

☒ Yes / No

WIN Station Name: Lake Stone Center

Date: 10/22/2020

WIN/Field ID: G4NW0426

WBID: 25A

ENR:

Latitude: 30.96517

County: ESCAMBIA

Org ID: 21FLPNS

Longitude: -87.290567

Receiving Body of Water: Pensacola

RQ- 2020-10-19-47

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Heather Schmuki	☒	☒	☒		
☒	Nathan Mulkey		☒		☒	☒
☐						
☐						

Sampling Equipment	
☒ Sample Container	☒ Carboy
☐ Dipper	☐ Van Dorn
☒ Syringe	☐ Pole
Depth measured with: Sonar	
Secchi Equipment ID:	
Collection Method	
☐ Wading	☒ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# 154179 (ProDSS)
Photos: No	Flow: NA	Tide: Tide Times: High: Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:		
SBIO ID Numbers:		
Notes:		

Duplicate Sample

Time Zone: CEN	Time: N/A	Field ID: N/A (WIN ID_DUP)
WIN DMT Activity ID:		

Blank

Time Zone: CEN	Time: 12:59	Field ID: FB102220 (Blank Type_DDMYYYY)
DI Source: PNS lab	Location: LAKE STONE	
DI Type: FB	Equipment ID: Nw roc III	

LIMS EVENT ID: WIN Import ID:

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

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



RQ- 2020-10-19-47

Customer: WQAP

Project ID: SMP

Collected By: Heather Schmuki, Nathan Mulkey

Field Report Prepared By: Heather Schmuki, Nathan Mulkey

Sampling Agency: FDEP

BLANK

Field ID: FB-10222020
HS

Comments:

Matrix: FB

(Check one) ☐ COMPOSITE ☒ GRAB

Date

Time

DI Source: PNS lab

10/22/2020

12:59

EST / CST

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot # <u>Sa9354050</u> Exp: <u>12/20/20</u>	☒ Ice ☒ H2SO4	☒ <2	1	C
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP Lot # <u> </u> Exp: <u> </u>	☐ Ice ☐ H2SO4	☐ <2		
Filtered Nutrients (P125ML)	☒ W-PO4-F Filter ☒ Field Filtered 0.45 µm Filter Lot # <u>17097890</u> Syringe Lot # <u>0079929</u>	☒ Ice		1	C
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-IC / TDS	☒ Ice		1	C
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Tracers (BG-500ML)	☒ W-E8321-DI ☒ W-E8321-MS	☒ Ice		1	C
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			
Name: Heather Schmuki Nathan Mulkey		Signature: <u>Heather Schmuki</u>		Date: 10/22/20	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

IM
10/23/20

see Email

Date of Request: 30-SEP-2020
 Created By: KING_M On: 30-SEP-2020
 Modified By: JASROTIA_P On: 05-OCT-2020
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Event Description: Western Lakes

Send Coolers To:

Phone: 850-595-0605
 160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Michael King
 Cooler Ship EMail: michael.king@dep.state.fl.us

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 02-OCT-2020
 Biology Request Reviewed By: JASROTIA_P On: 05-OCT-2020
 Sampling Kit Required: YES Ship on: 09-OCT-2020
 Sampling Kit Shipped: YES On: 08-OCT-2020
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: YES
 Date to Receive Samples: 19-OCT-2020
 Logged In By:

Send Final Report To:

160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch
 Report Notification EMail:
 Michael.King@dep.state.fl.us;Cheryl.Bunch@dep.state.fl.us

Comments: Group A: (WBID 24AF, 25A, 145) Freshwater Nutrients
 Group B: (WBID 283) Freshwater Nutrients , Tracers
 Group C: Field Blank) Nutrients , Tracers

Preservative:
 2 box sulfuric
 1 box nitric

please send 15-20 UPS return labels

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO ₄ -IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 3	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: ICE And H2SO4
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 3	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.