

RQ-2019-10-07-69

Field Personnel processing steps

☐ New Field IDs created (when using a new station) Date: _____ initials: _____ ~~NA~~

☐ Create entry in SMPStationCreationFile if new station is used

\\Fldep1\wqap\NW ROC\TMDL\WIN_Station Creation

☒ Date sampled Date: 10/10/19 initials: MC

☐ Update MAT Date: _____ initials: _____

☒ Update "SMP Tracker" Date: 10/11/19 initials: MC

☐ Photos put into archive Date: _____ initials: _____ ~~NA~~

☒ RQ Sheet – from LIMS (display/print request)

☒ Field Sheets initialed/dated @ "Scan/Save Field Sheets" then scanned (with calibration logs) and saved into:

Scans_ToBeProcessed Date: 10/11/19 initials: MC

☒ Update "Data Tracker"

\\publicfiles\pubfds\DEAR\WQAPmonitoring\StrategicMonitoring\2019\21FLPNS

Ready for folder system (top)

LIMS processing (to be completed by LIMS data personnel) (MC)

☐ Field parameters entered into LIMS Date: _____ initials: _____

☐ Digital RQ packet put into

SMP 2019/Data/Scanned Field Sheets Date: _____ initials: _____

☐ Digital field Sheets put into archive Date: _____ initials: _____

☐ Date submitted for QA/QC Date: _____ initials: _____

☐ Update "Data Tracker"

Database processing (Cheryl)

☐ Field parameters QA/QC in LIMS Date: _____ initials: _____

☐ Lab results put into archive (CB) Date: _____ initials: _____

☐ Data migrated to WINS Date: _____ initials: _____

☐ Update "Data Tracker"

Notes:

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: 154179

RQ: 2019-10-07-19

Project: AS SMP

- 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.												
ICV											P / F	L / F
CCV	<u>M. Clark</u>	<u>10/10/19</u>	<u>7:45</u>	<u>23.1</u>	<u>76.6</u>	<u>8.6</u>	<u>8.63</u>	<u>99.9</u>			<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>
CCV	<u>↓</u>	<u>10/11/19</u>	<u>7:15</u>	<u>23.0</u>	<u>76.6</u>	<u>8.6</u>	<u>8.65</u>	<u>100.1</u>			<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>

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.	<u>M. Clark</u>	<u>10/10/19</u>	<u>7:47</u>	<u>190116A</u>	<u>1/20</u>	<u>1000</u>	<u>1000</u>	<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>
ICV	<u>↓</u>		<u>7:49</u>	<u>190613A</u>	<u>6/20</u>	<u>100</u>	<u>103.9</u>	<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>
CCV	<u>↓</u>	<u>10/11/19</u>	<u>7:17</u>	<u>190613A</u>	<u>6/20</u>	<u>100</u>	<u>104.9</u>	<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>
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.	<u>M. Clark</u>	<u>10/10/19</u>	<u>7:50</u>	<u>2811803</u>	<u>10/20</u>	<u>7.</u>	<u>23.9</u>	<u>7.01</u>	<u>-69.7</u>	<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>
Calibr.	<u>↓</u>		<u>7:52</u>	<u>2902818</u>	<u>1/21</u>	<u>4.</u>	<u>23.4</u>	<u>4.00</u>	<u>107.6</u>	<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>
Calibr.	<u>↓</u>		<u>7:54</u>	<u>4904E09</u>	<u>9/20</u>	<u>10.</u>	<u>24.0</u>	<u>10.01</u>	<u>-236.5</u>	<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>
ICV	<u>↓</u>		<u>7:56</u>	<u>2902818</u>	<u>1/21</u>	<u>4.0</u>	<u>23.1</u>	<u>3.95</u>	<u>106.8</u>	<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>
CCV	<u>↓</u>	<u>10/11/19</u>	<u>7:19</u>	<u>2811803</u>	<u>10/20</u>	<u>7.0</u>	<u>21.3</u>	<u>7.02</u>	<u>-70.0</u>	<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>
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 10 166.8, slope from 4 to 7 127.5 (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: 6/13/19

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	<u>M. Clark</u>	<u>10/10/19</u>	<u>7:59</u>	<u>0.00</u>	<u>0.0</u>	<u>P</u> / <u>F</u>	<u>L</u> / <u>F</u>

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: Lake Stone Center

WIN/ Field ID: G4NW0426

WBID: 25A

Latitude: 30.96517

Date: 10/10/2019
(mm/dd/yyyy)

County: Escambia

ORG ID: 21FLPNS

Longitude: -87.290567
(Decimal Degrees)

Receiving Body of Water: Wiggins Branch

RQ-2019-10-07-69
(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Miranda Clark Frank Butler				☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole	
									☐ Carboy	☒ Syringe	☐ Other	
									☐ Dipper	☐ Other		
									Depth Measured with VSI			
									Equipment ID			
									Collection Method			
									☐ Wading	☒ Canoe/Kayak		
									☐ From Shore	☒ Electric Motor		
									☐ Other	☐ Gasoline Motor		
Water Level: Dry/ Pooled/ <u>Low</u> / Normal / High / Flooded												
Photos: Yes ☐ No ☒ Flow: <u>No Flow</u> / Intertidal / Flowing / NA												
Meter ID# 154179												
Matrix: <u>fresh</u> / Marine / DI												
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	9:54		0.3		7.66	97.3	6.26	0.02	51.9	28.2		
<u>CEN</u>		2.9	2.4	1.7	7.82	99.1	6.72	0.02	51.8	28.0		
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#:												
Parameter Suite												
Parameter Methods												
Preservation												
Lot#												
Expiration												
pH Check												
Preserved Nutrients ☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP												
Metals ☐ W-ICPMS ☐ W-ID												
Filtered Nutrients ☒ W-PO4-F ☒ Field Filtered 0.45 um Filter												
Chlorophyll ☒ CHLSUITE-W												
Physical/Aggregate (Fresh) ☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS												
Physical/Aggregate (Marine) ☐ Alkalinity / W-SO4-IC / W-F / W-TSS / TURBIDITY												
Macroinvertebrates ☐ MI-FW-OLD												
Periphyton ☐ ALGAE-ID												
Microbiology ☐ E Coli ☐ F Coli ☐ Enterococci												
Molecular ☐ PCR-FITR ☐ PCR-Bact ☐ PCR-GT12												
Tracers ☐ W-BE321-D ☐ W-BE321-MS												
Pesticides ☐ W-PSUP-IG ☐ W-OT-CL-R ☐ W-BE321-DL												
Phytoplankton ☐ W-PC-SO4 ☐ W-BE321-MS ☐ W-CAND-AA												

Notes:

Launch = 30.96763, -87.29249

Field/WIN ID →

Location:



G4NW0426



LAKE STONE CENTER

Signature: *[Handwritten Signature]*

Date: 10/10/2019

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 MC 10/11/19
(Initials/Date)

Migrate Data to WIN: (Initials/Date)

Verify Data In WIN: (Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / ☒ No

WIN Station Name: Lake Karick (Center) (also 33040210)

WIN/ Field ID: G4NW0274

WBID: 145

Latitude: 30.89633

County: Okaloosa

ORG ID: 21FLPNS

Longitude: -86.64424

Receiving Body of Water: Deadfall Creek

RQ-2019-10-07-6A

Sampling Team Members

Myranda Clark
Frank Butera

WQ Measurements
Sample Collection
Documentation
Preservation
Preservation Check

Sampling Equipment

☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☒ Syringe
☐ Dipper ☐ Other
Depth Measured with VSI
Equipment ID _____

Collection Method

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

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

Photos: Yes / ☒ No

Flow: No Flow / Intertidal / Flowing / NA

Meter ID# 154129

Matrix: Fresh / Marine / DI

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	11:30	3.9	0.3	1.8	6.65	85.1	5.67	31.6	0.01	28.4
CEN			3.4		5.35	68.8	5.49	30.6	0.01	27.6

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	SA834407	12/10/19	☒ <2
Metals	☐ W-ICMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	16918633		
Chlorophyll	☐ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ M-ICP-CLC	☐ Ice			
Periphyton	☐ ALGAL-ID	☐ Formalin			
Microbiology	☐ E-CoR ☐ F-CoR ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-Back ☐ PCR-GULL2 ☐ PCR-HP188 ☐ PCR-DG3 ☐ PCR-GD	☐ Ice			
Tracers	☐ W-BS21-01 ☐ W-BS21-MS	☐ Ice			
Pesticides	☐ W-PSM-10 ☐ W-CT-CL-R ☐ W-BS21-01 ☐ W-PCL-SO4 ☐ W-BS21-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-ON-C ☐ PD-ON-C				

Place Preservative Sticker(s) Here
(If Available)

Notes:

Field/WIN ID →



G4NW0274

Location:

Lake Karick (Center) (also 33040210)

Signature:

Frank Butera

Date:

10/10/2019

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

MC 10/11/19

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data in WIN:

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Locklin Lake Center

WIN/ Field ID: G4NW0437

WBID: 24AF

Latitude: 30.62786

Date: 10/10/2019
(mm/dd/yyyy)

County: Santa Rosa

ORG ID: 21FLPNS

Longitude: -87.04862811

(Decimal Degrees)

Receiving Body of Water: Blackwater River

Longitude: -87.04862811

(Decimal Degrees)

RQ-2019-10-07-69

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
<u>Myranda Clark</u> <u>Frank Butler</u>				☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole	
									☐ Carboy	☒ Syringe	☐ Other	
									☐ Dipper	☐ Other		
									Depth Measured with <u>ProDSS</u> Equipment ID			
									Collection Method			
									☐ Wading	☒ Canoe/Kayak	☒ Electric Motor	
									☐ From Shore	☐ Gasoline Motor		
									☐ Other			
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded				Meter ID# <u>154179</u>				Matrix: <u>Fresh</u> Marine / DI				
Photos: Yes ☒ No ☐ Flow: <u>No Flow</u> Intestinal / Flowing / NA				Tide: Rising/ Falling/ Slack <u>NA</u>				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	<u>13:25</u>	<u>1.6</u>	<u>0.3</u>	<u>1.6</u>	<u>6.70</u>	<u>82.0</u>	<u>5.72</u>	<u>0.02</u>	<u>45.3</u>	<u>26.1</u>		
<u>CEN</u>			<u>1.1</u>	<u>"S"</u>	<u>6.82</u>	<u>82.0</u>	<u>5.85</u>	<u>0.02</u>	<u>48.0</u>	<u>25.1</u>		
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#:												
Parameter Suite		Parameter Methods					Preservation		Lot#		Expiration	
Preserved Nutrients		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☒ Ice ☒ H2SO4		<u>5A344070</u>		<u>12/19</u>	
Metals		☐ W-ICP-MS ☐ W-ICP					☐ Ice ☐ HNO3				☒ <2	
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 um Filter					☒ Ice		<u>169/8633</u>			
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-CH-IC / W-F / W-TSS / TURBIDITY					☐ Ice					
Macroinvertebrates		☐ M-IPW-01/02					☐ Ice					
Periphyton		☐ ALGAE-ID					☐ Ice					
Microbiology		☐ E-Col ☐ F-Col ☐ Enterococci					☐ Ice					
Molecular		☐ PCR-FITR ☐ PCR-BacR ☐ PCR-GULL2					☐ Ice					
		☐ PCR-HFLE ☐ PCR-LOG3 ☐ PCR-GFD					☐ Ice					
Tracers		☐ W-ES21-02 ☐ W-ES21-MS					☐ Ice					
Pesticides		☐ W-PNFA-TS ☐ W-CE-CL-R ☐ W-ES21-02					☐ Ice					
		☐ W-PC-SCA ☐ W-ES21-MS ☐ W-CMB-AA					☐ Ice					
Phytoplankton		☐ BTY-ON-C ☐ PDI-ON-C					☐ Ice					

Notes: Launch canoe at end of Lakeshore Dr at lift station
30.62799/-87.05545

Field/WIN ID →

Location:

G4NW0437

LOCKLIN LAKE CENTER

Signature: Myranda Clark

Date: 10/10/19

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 MC

10/11/19
(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

FL DEP- NW 200

Relinquished By: 	Date/Time 10/10/2019	Shipping Method Fed Ex	Number of Coolers Shipped: Fed Ex	Received By:	Date/Time
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Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					3
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					3
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					3
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4		Enter Number of Bottles Sent to Lab
	W-NH3					3
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					3