

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date:	<u>9/9/2020</u>	Collected By:	<u>Gary Snorek, John Barrington</u>
Customer:	<u>SO-DIST</u>	Sampling Agency:	<u>FDEP</u>
RQ:	<u>RQ-2020-09-07-50</u>	Project ID:	<u>SMP</u>

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB**Number of Coolers Shipped: 2****FIELD ID (Labels) submitted under this RQ for this collection date.**

Site Location	Field ID/WIN ID
Lake Myakka (upper) @ Middle	 G3SD0133
Lake Myakka (lower) @ Middle	 G3SD0107

RELINQUISHED BY(SIGNATURE):

DATE/TIME:

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

John Barrington

Rec'd/Inspected Date:

09/09/20



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Lake Myakka (lower) @ Middle **Date:** 9/9/2020
WIN/Field ID: G3SD0107 **WBID:** 1981 **ENR:** **Latitude:** 27.21917
County: SARASOTA **Org ID:** 21FLFTM **Longitude:** -82.324015
Receiving Body of Water: Sarasota Bay - Peace - Myakka **RQ:** 2020-09-07-50

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Gary Snorek		x		x	
☒	John Barrington	x		x	x	x
☐						
☐						

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

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded						Meter ID# PRO MOVE					
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_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-2020-09-07-50

Customer: WQAP

Project ID: SMP

Collected By: Gary Snorek, John Barrington

Field Report Prepared By: Gary Snorek

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G3SD0107

Location: Lake Myakka (lower) @ Middle

Comments:

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)
9/9/2020	11:30 EST	3.55	46.7	29.5	6.63	0.3	0.5 ☐ VOB (S)	1.6	270.1	0.13

Central Lab please use top row for login purposes

	11:31 EST	2.95	39.3	29	6.58	1.1			269.3	0.13
--	--------------	------	------	----	------	-----	--	--	-------	------

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 # SA9301030 Exp: 102820	☒ Ice ☒ H2SO4*	☒ <2	1	A
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # Exp:	☐ Ice ☐ HNO3*	☐ <2		
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter Filter Lot # 17101170 Syringe Lot # 0007557	☒ Ice		1	A
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 ☐ 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:
Gary Snorek
John Barrington

Signature:

Date:

*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 Myakka (upper) @ Middle **Date:** 9/9/2020
WIN/Field ID: G3SD0133 **WBID:** 1981C **ENR:** **Latitude:** 27.273252
County: SARASOTA **Org ID:** 21FLFTM **Longitude:** -82.288965
Receiving Body of Water: Sarasota Bay - Peace - Myakka **RQ:** 2020-09-07-50

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	John Barrington	x		x		x
☒	Gary Snorek		x		x	
☐						
☐						

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

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded						Meter ID# PRO MOVE					
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_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-2020-09-07-50

Customer: WQAP

Project ID: SMP

Collected By: John Barrington, Gary Snorek

Field Report Prepared By: John Barrington

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G3SD0133

Location: Lake Myakka (upper) @ Middle

Comments:

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)
9/9/2020	10:20 EST	4.69	61.3	29.2	6.78	0.3	0.5 ☐ VOB (S)	1.8	232.4	0.11

Central Lab please use top row for login purposes

	10:24 EST	3.67	48.7	28.9	6.84	1.3			285	0.13
--	--------------	------	------	------	------	-----	--	--	-----	------

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 # SA9301030 Exp: 102820	☒ Ice ☒ H2SO4*	☒ <2	1	B
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☒ W-HARD Lot # NA9354060 Exp: 122020	☒ Ice ☒ HNO3*	☒ <2	1	B
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter Filter Lot # 17101170 Syringe Lot # 0007557	☒ Ice		1	B
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice		1	B
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		10	B
		☐ Ice			

Name:
John Barrington
Gary Snorek

Signature:

Date:

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

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: FT1500 RQ: 2020-09-07-50 Project: SMP MARIKKA WATERS

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 6/8/20

DO	DEF SOP	Name	Date	Time	CT-ET	Temp °C	Baro-meter	D.O. mg/L	D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	FT 1500	BARGE/1650	9/9/20	0730	22.8	755.5	8.5	8.56	99.4	—	—	1.05	(P) F	(L) F
ICV					0732	22.8	755.5	8.56	99.4	—	—	—	(P) F	(L) F
CCV		BARGE/1650	9/9/20	1350	20.8	756.9	8.9	8.93	99.8	—	—	—	(P) F	(L) F
CCV		BARGE/1650	9/9/20	1350	20.8	756.9	8.9	8.93	99.8	—	—	—	(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 μmhos/cm	Meter Reading μmhos/cm	Pass / Fail	Lab / Field
Calibr.		BARGE/1650	9/9/20	0734	1003A23	2/22		2500	2500	(P) F	(L) F
ICV					0736	1006706	5/22	100	104.2	(P) F	(L) F
CCV		BARGE/1650	9/9/20	1352	1003A23	2/22		2500	2495	(P) F	(L) F
CCV		BARGE/1650	9/9/20	1352	1003A23	2/22		2500	2495	(P) F	(L) F

Conductivity Acceptance criteria ± 5%

pH	DEF SOP	Name	Date	Time	CT-ET	Lot #	Expir. Date	pH Buffer	Temp °C	Meter reading SU	Pass / Fail	Lab / Field
Calibr.		BARGE/1650	9/9/20	0738	200388	2/22		7.00	24.3	7.01	(P) F	(L) F
Calibr.					0740	200052	2/22	4.01	24.5	4.00	(P) F	(L) F
Calibr.					0742	197602	1/22	10.02	24.1	10.01	(P) F	(L) F
ICV					0744	200052	2/22	4.01	24.3	3.93	(P) F	(L) F
CCV		BARGE/1650	9/9/20	1354	197602	1/22		10.03	22.8	9.93	(P) F	(L) F
CCV		BARGE/1650	9/9/20	1354	197602	1/22		10.03	22.8	9.93	(P) F	(L) F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 178.3, slope from 4 to 7 179.2 (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:
If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DEP1344; Date of last verification: 7/7/20

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

COMMENTS:

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.