



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SMP CONTINUOUS MONITORING SHEET

August 2017

PAGE 1 OF 1

Data Qualified?
Yes / No

STORET Station Name: Snug Harbor near Getaway

WBID: 1654

STORET Station ID: G1SW0109

ORG ID: 21FLTPA

Field ID: G1SW0109

County: Pinellas

RQ - 209-10-28-05

Meter ID#: 6920-8

Pre-Deployment Setup

Date: 10/24/19

Performed by: Sarah Meyer, Karlin Panzner

Parameters
Recorded:

☒ Date

☒ Time

☒ Temp. (C)

☒ Sp. Cond.

☒ DOSAT

☒ DO (mg/L)

☒ pH

☒ Depth

Sampling Interval
(min): 30

Free Memory
(days): 301

Expected
Battery Life: 121 days

Programmed
Duration: 365

Sonde Filename: Snug Harbor 10-24-19 (Snug-10-24)

Reset Clock?
(Y or N) No

Programmed Start
Date/Time: 10/24/2019

(mm/dd/yyyy)

10:00:00

(hh:mm:ss)

(Cent. East)

Wipers Park
Correctly? N/A

Programmed End
Date/Time: /

(mm/dd/yyyy)

(hh:mm:ss)

(Cent. East)

Calibration Date 10/23/19

Deployment

Date: 10/24/19

Time Into Water: 10:15:00

Time Zone: Cent. / East

Deployed Sonde
Latitude:

27.86927

Deployed By:
(print all staff
present)

Sarah Meyer
Karlin Panzner

Deployed Sonde
Longitude:

-82.61276

Notes: (how to get to, landmarks, site considerations & concerns, etc.)

Photos: Yes / No

Retrieval

Date: 10/29/19

Time Out Of Water: 1105

Time Zone: Cent. / East

Mounting left or
removed?

Removed

Retrieved By:

Karlin Panzner
Matt Bearden

Notes: (significant fouling, signs of human disturbance, site considerations and concerns, etc.)

Post-Deployment

Date: 10/29/19

Performed by: Matthew Bearden, Karlin Panzner

Data File Downloaded? Yes / No

Archived Filename: SNUG

Meter Verification Date: 10/29/19

Field ID/WIN:



G1SW0109

Site Name: Snug Harbor near Getaway



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Snug Harbor near Getaway

Date: 10/29/19

WIN/ Field ID: G1SW0109

WBID: 1654

Latitude: 27.86927

County: Pinellas

ORG ID: 21FLTPA

Longitude: -82.61276

Receiving Body of Water: Tampa Bay

RQ: 2019-10-28-05

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment		
Matthew Bearden Kaitlin Panzer					☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole
										☐ Carboy	☒ Syringe	
										☐ Dipper	☐ Other	
										Depth Measured with 451		
										Equipment ID Chewy		
										Collection Method		
										☐ Wading	☒ Canoe/Kayak	
										☐ From Shore	☒ Electric Motor	
										☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ <u>Low</u> / Normal / High / Flooded					Meter ID# Chewy					Matrix: Fresh / <u>Marine</u> / DI									
Photos: Yes / <u>No</u>					Flow: No Flow / Intertidal / <u>Flowing</u> / NA					Tide: <u>Rising</u> / Falling / Slack / NA					Tide Times: High / <u>Low</u>				
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)									
EST	1115	0.3	0.3	1.0 "S"	4.40	63.8	6.97	20.13	32373	25.5									
CEN		1.0 <u>W</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	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☒ Ice ☒ H2SO4	SA8344070	12/10/19	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter					☒ Ice			
Chlorophyll	☒ CHL-SUITE-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-BR-IC / W-F / W-TSS / TURBIDITY					☒ Ice			
Macroinvertebrates	☐ ME-FW-QLDC					☐ Formalin			
Periphyton	☐ ALGAE-ID					☐ Ice			
Microbiology	☒ E Coli ☒ F Coli ☒ Enterococci					☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD					☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS					☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA					☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C								

Notes:		Field ID/WIN:
		G1SW0109
Signature:		Site Name: Snug Harbor near Getaway
Date: 10/29/19		

LIMS EVENT ID: 2019-10-30-01	WIN Import ID: 16194
Enter Field Parameters, Verify Station ID In LIMS DMT: SM 12/02/2019	QC Station ID, Field Parameters In LIMS DMT: SM 01/07/2020
Scan/Save Field Sheets: SM 03/11/2020	Migrate Data to WIN: SM 01/07/2020
Verify Data In WIN: SM 03/11/2020	

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: C920-8

RQ: 2019-10-28-05

Project: SMP-CONT MON

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 10/23/19

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.	Matthew Beada	10/23	1109	24.81	760	8.3	8.31	100.1		1.13	P/F	L/F
ICV	✓	✓	1111	24.84	760	8.3	8.32	100.4			P/F	L/F
CCV	Kaitlin Parner	10/29	1530	24.83	760	8.3	8.45	102.1	—	—	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.	MB	10/23	1117	2907090	7/21	50000	50002	P/F	L/F
ICV	✓	✓	1121	2904478	3/21	10000	10016	P/F	L/F
CCV	KP	10/29	1533	2910859	09/21	20000	19666	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.	MB	10/23	1127	192113	4/21	7.00	24.01	7.00	-86.9	P/F	L/F
Calibr.	✓	✓	1131	192462	5/21	4.00	24.06	4.00	-118.8	P/F	L/F
Calibr.	✓	✓	1135	191040	3/21	10.00	24.07	10.01	-235.9	P/F	L/F
ICV	✓	✓	1137	191040	3/21	10.00	24.00	10.00		P/F	L/F
CCV	KP	10/29	1535	192113	04/21	7.00	24.76	7.07		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 _____, 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: _____

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						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:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

1654 - Snug Harbor DO

Customer: SW-DIST

Requester: Matthew Bearden

Field Report Prepared By: M. Bearden

Project ID: SMP

Collected By: M. BeardenSampling Agency: SW ROC

Loc#	Field ID/WIN:		 G1SW0109		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/29/19</u> Time <u>1115</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field	Matrix (type, e.g., Salt, Fresh, etc)		<u>Salt</u>		Diss. Oxygen <u>4.40</u> ☒ mg/L <u>63.8</u> ☒ % sat		Total Res. Chlorine (mg/L)		A
WIN	Site Name: <u>Snug Harbor near Getaway</u>		Temp (C) <u>28.5</u>	pH <u>6.97</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>32373</u>			
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>20.13</u>	Comments				
Location	☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
WIN/STORET #	Temp (C)		pH		Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)			
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments				
Location	☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
WIN/STORET #	Temp (C)		pH		Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)			
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments				
Location	☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
WIN/STORET #	Temp (C)		pH		Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)			
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments				
Location	☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
WIN/STORET #	Temp (C)		pH		Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)			
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments				

Relinquished By: <u>M. Bearden</u>	Date/Time <u>10/29/19 1500</u>	Shipping Method <u>Fed Ex</u>	Number of Coolers Shipped: <u>1</u>	Received By:	Date/Time
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>0</u>
	SWD-AEL-EN <i>* Dropped off @ AEL</i>						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>0</u>
	SWD-AEL-FC <i>* Dropped off @ AEL</i>						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-PO4-F						

Ref:
Dep:

Date: 16Oct19
Wgt: 15.00 LBS

DV:

Svc: PRIORITY OVERNIGHT
TRK: 1278 4008 4534

SHIPPING:	0.00
SPECIAL:	0.00
HANDLING:	0.00
TOTAL:	0.00



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