



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2017

B-KIT

PAGE 1 OF

Data Qualified?

Yes / No

STORET Station Name: G1SW0088-Double Branch @ State Street

Date: 11/7/2017

(mm/dd/yyyy)

STORET Station ID: G1SW0088

WBID: 1513F

Latitude: N 28.02403

County: Hillsborough RQ - 2017-11-06-23

ORG ID: 21FLTPA

Longitude: W 082.63279

(Decimal Degrees)

Receiving Body of Water: Tampa Bay

Field ID: G1SW0088

(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment		
Matthew Bearden Hannah Sprinkle						X	X	X	X	X	☒ Sample Container	☐ Van Dorn	☐ Pole
											☐ Carboy	☐ Syringe	
											☐ Dipper	☐ Other	
											Equipment ID		
											Collection Method		
											☒ Wading	☐ Via Boat	
											☐ From Shore	☐ Canoe/Kayak	
											☐ Other (note below)	☐ Electric Motor	
												☐ Gasoline Motor	

Water Level: Dry / Pooled / Low / <u>Normal</u> / High / Flooded						Matrix: Fresh / <u>Marine</u> / DI											
Meter ID# <u>G920-7</u>						Photos: Yes / <u>No</u>						Tide Falling: <u>Yes</u> / No / NA					
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (umhos/cm)	Temp. (C°)							
EST	0945	0.3	<u>0.5</u>	4.90	64.7	7.36	14.43	0.5	23.837	25.34							
CEN			0.5														

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other

S BIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	7163030	06/12/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO2			☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 um Filter	☒ Ice			
Chlorophyll	☒ CHL-SUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☒ Alkalinity / W-F / W-TSS / TURBIDITY	☒ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ PCR-FILTER	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Notes:

deleted outliers in data
11/4/2017 13:00:33
13:15:33
13:30:33
13:45:33

RQ-2017-11-06-23

Date: 11/7/2017

Time:

Field ID

G1SW0088

STORET

Double Branch @ State St

G1SW0088

Signature:

H. Sprinkle

Date:

11/7/2017

Field Parameters Entered into LIMS: SM 1/22/2019

(Initials/Date)

Field Parameters QC in LIMS: SM 1/28/2019

(Initials/Date)

Date Migrated to STORET: 9690 SM 1/28/2019

(Initials/Date)

Field Sheets Scanned/Saved: SM 02/04/2019

(Initials/Date)

Verified SM 02/04/2019



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SMP CONTINUOUS MONITORING SHEET

August 2017

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Data Qualified?
Yes / No

STORET Station Name: G1SW0087 - Woods Creek

WBID: 1587A

STORET Station ID: G1SW0087

ORG ID: 21FLTPA

Field ID: Woods Creek @ slow speed sign

County: Hillsborough RQ - 2017-11-06-23

Meter ID#: 6920-8

Pre-Deployment Setup

Date: 11/2/17

Performed by: H. Sprinkle

Parameters
Recorded:

☒ Date

☒ Time

☒ Temp. (C°)

☒ Sp. Cond.

☒ DOSAT

☒ DO (mg/L)

☒ pH

☐ Depth

Sampling Interval
(min): 15

Free Memory
(days): 236

Expected
Battery Life: 69.9

Programmed
Duration: 1 Week

Sonde Filename: 110717WC_data

Reset Clock?
(Y or N)

Programmed Start
Date/Time: 11/2/17 (mm/dd/yyyy)

11:10:00 (hh:mm:ss) (Cent. / East)

Wipers Park
Correctly? Yes

Programmed End
Date/Time: — (mm/dd/yyyy)

— (hh:mm:ss) (Cent. / East)

Calibration Date 11/2/17

Deployment

Date: 11/2/17

Time Into Water: 11:13:00

Time Zone: Cent. / East

Deployed Sonde
Latitude: 27° 58' 45.236" (27.9792)

Deployed By:
(print all staff
present) M. Bearden
H. Sprinkle

Deployed Sonde
Longitude: 82° 35' 01.087" (82.5836)

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

Time change occurred 11/5/17.

-sonde set 2 day-duration - stopped logging on 11/4/17

Photos: Yes / No

Retrieval

Date: 11/7/17

Time Out Of Water: 1047

Time Zone: Cent. / East

Mounting left or
removed? Removed

Retrieved By: M. Bearden
H. Sprinkle

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

- YSI no longer anchored in sediment - potentially exposed
- crab stuck inside conductivity probe

Post-Deployment

Date: 11/7/17

Performed by: H. Sprinkle

Data File Downloaded? Yes / No

Archived Filename: 110717WC_data

Meter Verification Date: 11/7/17

SMP - DO Monitoring Retrieval

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SW-DIST

Requester: Matthew Bearden

Field Report Prepared By:

H. Sprinkle

Project ID: SMP

Collected By:

M. Bearden

Sampling Agency:

FDEP

Location RQ-2017-11-06-23 Date: 11/7/2017 Time: 0945 Field ID: GISW0088 STORET #: GISW0088 Double Branch @ State St		☐ Comp ☒ Grab Collection (comp begin or grab) Date 11/7/17 Time 0945 Matrix (type, e.g., Salt, Fresh, etc) Salt		☒ Eastern ☐ Central Composite end Date Time		Bottle Group(s) (See pg 2) A	
Diss. Oxygen 4.90 64.7%		Temp (C) 25.34 pH 7.36 4.9 (15)		☐ mg/L ☒ % sat Total Res. Chlorine (mg/L)			
Sample Depth 0.5		☐ ft ☒ m		Sp. Conductance (umho/cm) 23837			
Latitude ☐ dd ☐ dms		☐ dd ☐ dms		Comments YSL time 1045 due to time change salinity: 14.43			
Location RQ-2017-11-06-23 Date: 11/7/2017 Time: 1045 Field ID: GISW0087 STORET #: GISW0087 Woodcreek @ slow speed sign		☐ Comp ☒ Grab Collection (comp begin or grab) Date 11/7/17 Time 1045 Matrix (type, e.g., Salt, Fresh, etc) Salt		☒ Eastern ☐ Central Composite end Date Time		Bottle Group(s) (See pg 2) A	
Diss. Oxygen		Temp (C)		☐ mg/L ☒ % sat Total Res. Chlorine (mg/L)			
Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms		☐ dd ☐ dms		Comments YSL time 1145 due to time change salinity:			
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)			
STORET #		Temp (C) pH		Sample Depth ☐ ft ☐ m Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms		☐ dd ☐ dms		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)			
STORET #		Temp (C) pH		Sample Depth ☐ ft ☐ m Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms		☐ dd ☐ dms		Comments			

Relinquished By: H. Sprinkle	Date/Time 11/7/17	Shipping Method Fedex	Number of Coolers Shipped: 1	Received By:	Date/Time
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Group: A	Bottle Type: P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>2</u>	<u>1</u>
	ALKALINITY TURBIDITY W-F W-TSS	W-CL-1C W-TDS W-CO10Y W-SO4-1C				
Group: A	Bottle Type: BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>2</u>	<u>1</u>
	CHLSUITE-W					
Group: A	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>	<u>1</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type: P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>2</u>	<u>1</u>
	W-PO4-F					

Cooler Packing Worksheet for Request: RQ-2017-11-06-23

SMP - DO Monitoring Retrieval

Ship Cooler On: 10/23/2017

Customer/Project: SW-DIST/SMP

Assigned To: GREENWOOD_J

Requester: Matthew Bearden

Priority: 3

813-470-5951
FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
Attn: Matthew Bearden

Comments:

No preservatives needed.

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00069122

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-F

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO₃/L

Turbidity in aqueous matrices

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1200289

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML

Qty: 1 Preservation: ICE And H₂SO₄

Lot # 00068654

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH₃

W-NO₂NO₃

W-S-A-TP

W-TKN

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00068347

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: J.D.Number of Coolers: 1Date: 10/23/17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID <u>Sulfamic Acid</u>	Exp <u>6/12/18</u>	Lot # <u>7163030</u>
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2017-11-06-23G1SW0088

DOUBLE BRANCH @ STATE ST

G1SW0088
87

WOODSCREEK @ SLOW SPEED SIGN

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID: 6920-7 RQ- 2017-11-06-23 Project: SMP-DO monitoring

- 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	H-Sprinkle	11/2	0710	22.32	8.546	8.55	100.4	—	1.19 005	(P) / F	(L) / F
ICV			0712	22.34	8.546	8.57	100.1	—	—	(P) / F	(L) / F
CCV		11/7	1335	24.94	8.263	8.30	101.3	—	—	(P) / F	(L) / F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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-Sprinkle	11/2	0715	2603287	02/18	20000	20000	(P) / F	(L) / F
ICV			0716	2701078	01/19	20000	20011	(P) / F	(L) / F
CCV		11/7	1343	2707A64	10/2	10000	5000 (10020)	(P) / F	(L) / F
CCV			1347	2701071	01/19	5000	5017	(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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	H-Sprinkle	11/2	0719	171628	03/14	7.0	7.00	-15.7	(P) / F	(L) / F
Calibr.			0722	171629	04/14	4.0	4.00	163.7	(P) / F	(L) / F
Calibr.			0724	170266	03/14	10.0	10.00	-144.4	(P) / F	(L) / F
ICV			0727	170266	03/14	10.0	9.99	-143.3	(P) / F	(L) / F
CCV		11/7	1340	171628	03/14	7.0	7.06	-16.3	(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)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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: