Request Number: RQ-2016-02-29-26

1348A,1361B,1382C

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Nov 10, 2015

Customer: SW-DIST

Project ID: SMP

Requester: Judy Ashton

Collected By:

Field Report Prepared By:

Sampling Agency:

RQ-2016-02-29-26 G5SW0123
Date: 03-01-2016
Time:
Field ID: **G5SW0123**

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/1/16 Time 1005 (Eastern / Central) | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 1.4 ☒ mg/L, 16 ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 22.6 | pH 7.4 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 525

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) 0.25 | Comments

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RQ-2016-02-29-26 G5SW0028
Date: 03-01-2016
Time:
Field ID: **G5SW0028**

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/1/16 Time 1225 (Eastern / Central) | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.3 ☒ mg/L, 84 ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 22.5 | pH 7.9 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 609

Latitude ☐ dd ☒ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) 0.30 | Comments

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RQ-2016-02-29-26 G5SW0121
Date: 03-01-2016
Time:
Field ID: **G5SW0121**

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/1/16 Time 1330 (Eastern / Central) | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 8.9 ☒ mg/L, 97 ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 19.7 | pH 7.5 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 50

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) 7.5 | Comments

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RQ-2016-02-29-26 G5SW0122
Date: 03-01-2016
Time:
Field ID: **G5SW0122**

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/1/16 Time 1340 (Eastern / Central) | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 8.6 ☒ mg/L, 96 ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 20.5 | pH 7.0 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 50

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) 7.0 | Comments

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Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time

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Central Laboratory Submittal Form

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Customer: SW-DIST

Project ID: SMP

Requester: Judy Ashton

Collected By:

Field Report Prepared By:

Sampling Agency:

Loca[tion] RQ-2016-02-29-26 Date: 03/01/16 Time:10:05 G5SW0123		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2) B
Field [ID]		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
STOR[ET #]		Temp (C)	pH	Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments Algae Sample				
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	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)	
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)	
STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments				

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

Data Qualified? Yes / (No)

STORET Station Name: Bettie Jay Springs Date: 03/01/2016 (mm/dd/yyyy)

STORET Station ID: 65SW0123 Latitude: 28°41'25.393 N (Decimal Degrees)

WBID: 1361B RQ - 2016-02-29-24 ORG ID: 21FLTPA Longitude: 82°35'29.411 W (Decimal Degrees)

Receiving Body of Water: Gulf of Mexico Field ID: 65SW0123 County: Hernando

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Stephen Clingerman		X		X	X		
Ashley Salmon	X		X				

Sampling Equipment

- [X] Sample Container
- [ ] Carboy
- [ ] Dipper
- [ ] Van Dorn
- [X] Syringe
- [ ] Other
- [ ] Pole

Equipment ID

Collection Method

- [ ] Wading
- [X] From Shore
- [ ] Other (note below)

Via Boat
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: Dry / Low / (Normal) / High / Flooded

Meter ID# LIL JON Photos: (Yes) / No

Matrix: (Fresh) / Marine / DI

Tide Falling: Yes / No / (NA)

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
(EST)	1005	0.3	1.4	1.4	16	7.4	0.25	1.4"S"	525	22.6
CEN										

Biological Samples Collected: None HA SCI LVS (RPS) LVI Other

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	[X] TKN / TP / Nox / NH3 / TOC [ ] Other	[X] Ice [X] H_2SO_4			[X] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[X] oP [ ] Field Filtered 0.45 µm Filter	[X] Ice			
Chlorophyll	[X] CHLSUITE-W	[X] Ice			
BOD	[ ] BOD-INHB [X] BOD-UNIN	[X] Ice			
Physical/Aggregate A	[X] TSS / Turbidity / Alkalinity / Color [ ] Other W-TDS, W-Cl-TC W-SO4-TC	[X] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Microbiology	[ ] E Coli [ ] F Coli [ ] Entero [ ] QPCR	[ ] Ice			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-AHERB-AA [ ] W-PYR-AA-R [ ] W-PC-AA-SF [ ] W-UHERB-AA [ ] W-GLYPH	[ ] Ice [ ] Other			

Contains 1:1 Sulfuric Acid SA-5259020 EXP: 09/16/16 Warning! See MSDS

Notes:

Place Label Here (If Available)

Signature: Ashley Salmon Date: 3/1/16

Field Parameters Entered into LIMS: _____ (Initials/Date) Field Parameters QC in LIMS: _____ (Initials/Date)

Date Migrated to STORET: _____ (Initials/Date) Field Sheets Scanned/Saved: _____ (Initials/Date)

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Beteejay Springs | County: Hernando | Date: 03/01/2016 | Investigators: A. Salmeron, J. Clingerman

STORET Station Number: GSSW0123

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	5		
	2	N		
	3	N		
	4	N		
	5	N		34
	6	N		
	7	6		
	8	6		
	9	4		
10	1	N		
	2	N		
	3	N		
	4	N		
	5	N		50
	6	N		
	7	N		
	8	N		
	9	N		
20	1	6		
	2	6		
	3	6		
	4	5		
	5	5		57
	6	5		
	7	5 N		
	8	4	N	
	9	4	N	
30	1	4		
	2	6		
	3	6		
	4	4		
	5	N		59
	6	5		
	7	N		
	8	N		
	9	4		
40	1	N		
	2	3		
	3	5		
	4	N		
	5	N		50
	6	N		
	7	N		
	8	N		
	9	N		
50	1	N		
	2	N		
	3	N		
	4	N		
	5	N		41
	6	3		
	7	3		
	8	3		
	9	6		

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
60	1			
	2	5		
	3	N		
	4	5		
	5	N		84
	6	N		
	7	N		
	8	N		
	9	N		
70	1	N		
	2	N	2	
	3	5		
	4	4	4	
	5	4 N	4	44
	6	N		
	7	3		
	8	N		
	9	3		
80	1	6		
	2	6		
	3	6		
	4	N		
	5	N		18
	6	N		
	7	6		
	8	4	4	
	9	4	4	
90	1	5		
	2	N		
	3	6		
	4	6		
	5	N		13
	6	N		
	7	N		
	8	6		
	9	N		
100	1		4	
	2		4	
	3		N	
	4		N	
	5	6		10
	6	N		
	7	N		
	8	N		
	9	N		

Secchi depth	1.4
Estimated?	

# points ranked 4-6	34
total points assessed	99
% points ranked 4-6	

Check accompanying data collected at same site/date.	
Algal mat sample	
Linear Veg Survey	
Habitat Assessment	
SCI/Biorecon	
Water sample	

RQ-2016-02-29-26

Algal Thickness Rank	
N	rough, no algae, slimy, algae up to 1mm
3	>1mm - 6mm
4	>6mm - 20mm
5	>20mm - 10 cm
6	>10 cm

Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached.

Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.

Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6.

Collect algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.

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