



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

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Data Qualified?
Yes / No

RQ-2016-03-21-15

4/25/2016
WBID 17611

Bonnet Creek



G4SD0107

Field ID

STORET
G4SD0107



ORG ID: 21FLFTM

Date: (mm/dd/yyyy)

Latitude: (Decimal Degrees)

Longitude: (Decimal Degrees)

Receiving Body of Water: ~~Atlantic Ocean~~ Arbuckle Creek

Field ID:

County: ~~Monroe~~ Highlands

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Corey Anderson			X		X	X		
Christopher Link								
Danny Berger		X		X				

Sampling Equipment		
☒ 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 / Low / Normal / High / Flooded

Meter ID# YSI A

Photos: Yes / No

Matrix: Fresh / ~~Marine~~ / DI

Tide Falling: Yes / No / UNK

Field Sample										
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	1255	0.3	0.3	7.8	90	6.2		0.3 s	163	22.5
CEN										

Biological Samples Collected: None HA SCI <u>LVS</u> <u>KRPS</u> LVI Other					
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 ☒ H ₂ SO ₄	5259020	9/16/16	☒ <2
Metals	☒ W-ICP-MS ☒ W-ICP-AES	☒ Ice ☒ HNO ₃	5113210	4/23/16	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	Place Preservative Sticker(s) Here (If Available)		
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
BOD	☒ W-BOD-5 ☒ W-BOD-20	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / ☒ W-F / ☒ W-TSS / ☒ TURBIDITY / ☒ W-Cl-IC / ☒ W-COLOR / ☒ W-SO4-IC / ☒ W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☒ W-Alkalinity / ☒ W-F / ☒ W-TSS / ☒ TURBIDITY	☒ 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			
4/25/16					

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Bonnet Creek 400' from SR64 County: Highlands Date: 4/25/16 Investigators: Corey Anderson, Danny Berger

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	↑	↑	60	60	1	↑	↑	1
	2	↑	↑						
	3	↑	↑						
	4	N	N						
	5	N	N						
	6	↓	↓						
	7	↓	↓						
	8	↓	↓						
	9	↓	↓						
10	1	↑	↑	31	70	1	↑	↑	0
	2	↑	↑						
	3	↑	↑						
	4	N	N						
	5	N	N						
	6	↓	↓						
	7	↓	↓						
	8	↓	↓						
	9	↓	↓						
20	1	↑	↑	64	80	1	↑	↑	0
	2	↑	↑						
	3	↑	↑						
	4	N	N						
	5	N	N						
	6	↓	↓						
	7	↓	↓						
	8	↓	↓						
	9	↓	↓						
30	1	↑	↑	61	90	1	↑	↑	0
	2	↑	↑						
	3	↑	↑						
	4	N	N						
	5	N	N						
	6	↓	↓						
	7	↓	↓						
	8	↓	↓						
	9	↓	↓						
40	1	↑	↑	65	100	1	↑	↑	0
	2	↑	↑						
	3	↑	↑						
	4	N	N						
	5	N	N						
	6	↓	↓						
	7	↓	↓						
	8	↓	↓						
	9	↓	↓						
50	1	↑	↑	14		1	↑	↑	
	2	↑	↑						
	3	↑	↑						
	4	N	N						
	5	N	N						
	6	↓	↓						
	7	↓	↓						
	8	↓	↓						
	9	↓	↓						

STORET Station Number:
G4SD0107

Secchi depth 0.3
Estimated?

points ranked 4-6 0
total points assessed 99
% points ranked 4-6 0

Check accompanying data collected at same site/date.
Algal mat sample
Linear Veg Survey ✓
Habitat Assessment
SCI/Biorecon
Water sample ✓
RQ-2016-04-04-35

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%.

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: BONNET CREEK Date: 4/25/16 County: Highlands Storet Number: G4SD0107

Analyst: Cory Anderson Signature: [Signature]

Comments: 400' from SR64

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m² of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.

HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)	HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100			0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	
<i>Alternanthera philoxeroides</i>	P	P	P	P	P	P	P	P	P	P		<i>Micranthemum glomeratum</i>											
<i>Bacopa caroliniana</i>												<i>Micranthemum umbrosum</i>	P	P	P		P	P	P	P	P	P	
<i>Bacopa monnieri</i>												<i>Myriophyllum aquaticum</i>											
<i>Bidens mitis</i>												<i>Najas guadelupensis</i>											
<i>Boehmeria cylindrica</i>												<i>Nuphar luteum</i>											
<i>Centella asiatica</i>												<i>Orontium aquaticum</i>											
<i>Ceratophyllum demersum</i>												<i>Panicum hemitomon</i>											
<i>Chara</i>												<i>Panicum repens</i>										P	P
<i>Cicuta maculata</i>												<i>Panicum rigidulum</i>											
<i>Cladium jamaicense</i>												<i>Pistia stratioides</i>											
<i>Colocasia esculenta</i>												<i>Polygonum glabra</i>											
<i>Commelina diffusa</i>												<i>Polygonum hydropiperoides</i>											
<i>Commelina virginica</i>		P	P	P	P			P	P	P		<i>Polygonum punctatum</i>							P	P	P	P	
<i>Crinum americanum</i>												<i>Pontedaria cordata</i>								P		P	
<i>Diodia virginiana</i>												<i>Potamogeton illinoensis</i>											
<i>Eichhornia crassipes</i>												<i>Ruellia simplex</i>											
<i>Eleocharis (wispy viviparous)</i>							P					<i>Sacciolepis striata</i>											
<i>Hydrilla verticillata</i>												<i>Sagittaria kurziana</i>											
<i>Hydrocotyle</i>					P	P	P					<i>Sagittaria lancifolia</i>											
<i>Hygrophila polysperma</i>												<i>Sagittaria latifolia</i>											
<i>Hymenocallis</i>												<i>Salvinia minima</i>								P			
<i>Lachnanthes caroliniana</i>												<i>Samolus parviflora</i>											
<i>Landoltia punctata</i>												<i>Saururus cernuus</i>	P	P		P	P						
<i>Lemna</i>												<i>Sparganium americanum</i>											
<i>Limnophila sessiflora</i>												<i>Typha</i>											
<i>Ludwigia leptocarpa</i>												<i>Vallisneria americana</i>											
<i>Ludwigia palustris</i>												<i>Zizania aquatica</i>											
<i>Ludwigia peruviana</i>		P				P	P					<i>Thelypteris palustris pub.</i>					P						
<i>Ludwigia repens</i>						P		P	P			<i>Eupatorium capillifolium</i>								P			
<i>Luziola fluitans</i>												<i>Mikania scandens</i>										P	

If no Dominant or Co-Dominant were selected, indicate with "X"

Indicate % cover macrophytes per section

0-5% Macrophyte Coverage

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

>5 and ≤10% Macrophyte Coverage

✓ ✓

>10 and ≤25% Macrophyte Coverage

>25 and ≤50% Macrophyte Coverage

> 50% Macrophyte Coverage