



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 3

February 2016

RQ-2016-05-02-37

5/5/2016
1898A



SD050516-98

Field ID

LWO @ SR 66

STORET
KISSRV0012FTM



ORG ID: 21KLFM

Date: (mm/dd/yyyy)

Latitude: (Decimal Degrees)

Longitude: (Decimal Degrees)

Receiving Body of Water: Field ID: County: Highlands

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Corey Anderson										
Kaitlin DeAeth										

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						Matrix: Fresh / Marine / DI					
Meter ID# 7			Photos: Yes / No			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	1205	0.3	0.3	8.3	97	5.7	0.04	0.3 ^s	92	22.7	
CEN											

Biological Samples Collected: None HA SCI LVS RPS 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 ☒ H2SO4			☒ <2		
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO2			☐ <2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice					
Chlorophyll	☒ CHLSUITE-W				☒ Ice					
BOD	☐ BOD-UNIN				☐ Ice					
Physical/Aggregate (Kit A/C)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice					
Physical/Aggregate (Kit B/D)	☐ Alkalinity / W-F / W-TSS / TURBIDITY				☐ Ice					
Macroinvertebrates	☐ MI-FW-QLDC				☐ Formalin					
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococcus ☐ 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 XP: 09/16/16 Warning! See MSDS

Preservative Sticker(s) Here (If Available)

Notes:		Place Label Here (If Available)	
Signature: [Signature]		Date: 5/5/16	

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)

00-25 Rapid Periphyton Survey Field Sheet

Site:					County: Highlands		Date:		Investigators: Corey Anderson, Kaitlin DeAeth	
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	STORET Station Number:
0	1	X			60	1	X			Secchi depth 0.6 Estimated?
	2	X				2	X			
	3	X				3	X			
	4	N	✓			4	N	✓		
	5	N	✓	0		5	N	✓	0	
	6	N	✓			6	N	✓		
	7	X				7	X			
	8	X				8	X			
	9	X				9	X			
10	1	X			70	1	X			# points ranked 4-6 total points assessed % points ranked 4-6
	2	X				2	X			
	3	X				3	X			
	4	N	✓			4	N	✓		
	5	N	✓	6		5	N	✓	0	
	6	N	✓			6	N	✓		
	7	X				7	X			
	8	X				8	X			
	9	X				9	X			
20	1	X			80	1	X			Check accompanying data collected at same site/date
	2	X				2	X			
	3	X				3	X			
	4	N	✓			4	N	✓		
	5	N	✓	21		5	N	✓	10	
	6	N	✓			6	N	✓		
	7	X				7	X			
	8	X				8	X			
	9	X				9	X			
30	1	X			90	1	N			Algal mat sample Linear Veg Survey Habitat Assessment SCI/Biorecon Water sample
	2	X				2	N			
	3	X				3	N			
	4	N	✓			4	N			
	5	N	✓	38		5	N		76	
	6	N	✓			6	N			
	7	X				7	N			
	8	X				8	N			
	9	X				9	N			
40	1	X			100	1	N			RQ- 2016-05-02-37
	2	X				2	N			
	3	X				3	N			
	4	N	✓			4	N			
	5	N	✓	81		5	N		80	
	6	N	✓			6	N			
	7	X				7	N			
	8	X				8	N			
	9	X				9	N			
50	1	X			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 densimeter 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%.					
	2	X								
	3	X								
	4	N	✓							
	5	N	✓	82						
	6	N	✓							
	7	X								
	8	X								
	9	X								

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

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STORET

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9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Date:

County:

Highlands

Storet Number:

Signature:

Corey Anderson

Kaitlin DeAeth

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					
Alternanthera philoxeroides		P								PPP		Micranthemum glomeratum															
Bacopa caroliniana												Micranthemum umbrosum															
Bacopa monnieri												Myriophyllum aquaticum															
Bidens mitis												Najas guadelupensis															
Boehmeria cylindrica												Nuphar luteum					PP										
Centella asiatica												Orontium aquaticum															
Ceratophyllum demersum												Panicum hemitomon					P		PPP								
Chara												Panicum repens															
Cicuta maculata												Panicum rigidulum															
Cladium jamaicense												Pistia stratioides															
Colocasia esculenta		PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP		Polygonum glabra															
Commelina diffusa												Polygonum hydropiperoides															
Commelina virginica		PP	PP	PP	PP	PP	PP	PP	PP	PP		Polygonum punctatum					PP		PP								
Crinum americanum												Pontederia cordata															
Diodia virginiana												Potamogeton illinoensis															
Eichhornia crassipes												Ruellia simplex															
Eleocharis (wispy viviparus)												Sacciolepis striata															
Hydrilla verticillata												Sagittaria kurziana															
Hydrocotyle				PP								Sagittaria lancifolia															
Hygrophila polysperma												Sagittaria latifolia													P		
Hymenocallis												Salvinia minima															
Lachnanthes caroliniana												Samolus parviflora															
Landoltia punctata												Saururus cernuus													P		
Lemna		PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP		Sparganium americanum															
Limnophila sessiflora												Typha															
Ludwigia leptocarpa												Vallisneria americana															
Ludwigia palustris												Zizania aquatica															
Ludwigia peruviana		CCCC	PP									Sambucus		CCCC	PP											P	
Ludwigia repens												Thelypteris		PPPP													
Luziola fluitans												Lygodium		PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP
												Balsam apple		PPPP													
												Rubus sp		PPPP											PP		
												Urochloa		PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	
												West ind marsh grass															
												Echinochloa crus-galli															
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																											