



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2018

WIN Station Name:

Fishing Cr
JAX Heights at Wesconett

Date: 02/05/2018

WIN/ Field ID:

20030608

WBID:

2324

Latitude:

30.34350

(mm/dd/yyyy)

County:

DUVAL

ORG ID:

21FLA

Longitude:

81.73702

(Decimal Degrees)

(Decimal Degrees)

Receiving Body of Water:

CEDAR RIVER

RQ-2018-

02-05-2018

Sampling Team Members

J Parrish
PO'ConnorWQ Measurements
Sample Collection
Documentation
Preservation
Preservation Check

Sampling Equipment

☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☐ Syringe
☐ Dipper ☐ OtherDepth Measured with Secchi
Equipment ID Ortho #7

Collection Method

☒ Wading ☐ Canoe/Kayak
☐ From Shore ☐ Electric Motor
☐ Other ☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded

Meter ID#

QUANTA #1

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Intertidal / Flowing / NA

Tide: Rising/ Falling/ Slack/ NA

Tide Times: High low

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	1045	0.6 0.3 PO	0.3	0.65	9.27	89.5	7.1	0.11	222	13.6
CEN										

Biological Samples Collected: None 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 ☒ H ₂ SO ₄	SA7233030	02-21-18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	R7EA125U		
Chlorophyll	☒ CHLSUITE-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-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☒ MW-FW-QLDC	☒ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☒ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☒ Ice			
Tracers	☒ W-SUC-AA-R ☒ W-UHERB-AA ☒ W-AHERB-AA	☒ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes:

SCI downstream of Bridge
40m

Field ID/Win ID



20030608

Fishing Cr

Jax Heights at Wesconett

Signature:

[Signature]

Date:

2/6/18

Enter Field Parameters, Verify Station ID in LIMS DMT:

2/2/18

QC Station ID, Field Parameters in LIMS DMT:

2/2/18

Scan/Save Field Sheets

2/2/18

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)

shu #78206

DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet

SAMPLING AGENCY:	Ne Roc	STORET STATION NUMBER:	20030608	DATE (MM/DD/YY):	2/6/18	RECEIVING BODY OF WATER:	Ortega Cedar River
REMARKS:		COUNTY:	Quinn	LOCATION:	Jax Heights & Wesconnet	FIELD ID/NAME:	

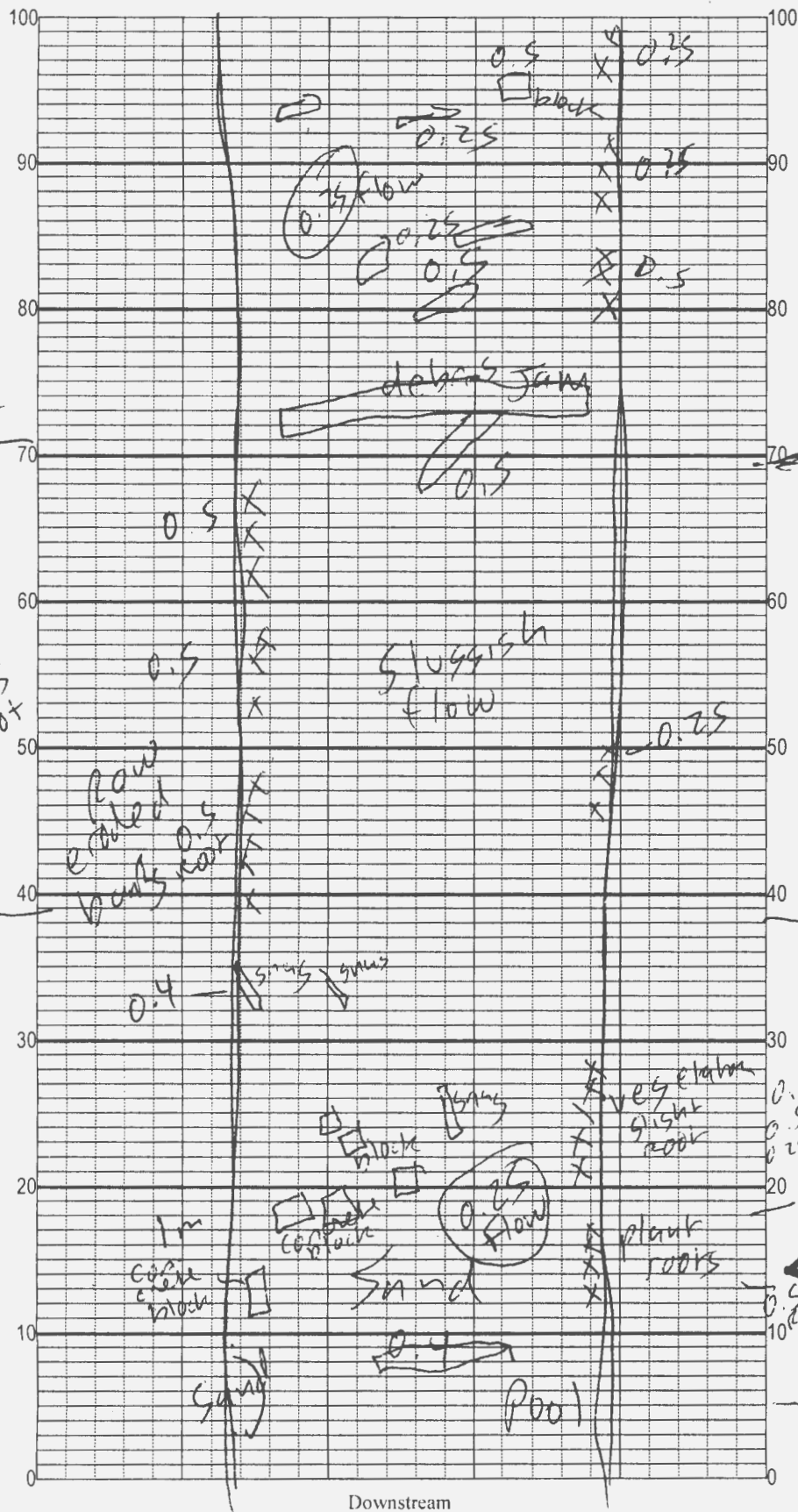
Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components	Four or more major productive habitats present (snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock)	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags)	Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed	One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered
Substrate Diversity <u>11</u>	20 19 18 17 16	15 14 13 12 <u>11</u>	10 9 8 7 6	5 4 3 2 1
Substrate Availability <u>6</u>	Greater than 30% major productive habitat present at site 20 19 18 17 16	16% to 30% major productive habitat, by aerial extent 15 14 13 12 11	6% to 15% major productive habitat 10 9 8 7 <u>6</u>	Less than 5% major productive habitat <u>5</u> 4 3 2 1
Water Velocity <u>15</u>	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec ≥0.33 0.31 0.29 0.27 >0.25 20 19 18 17 16	Max. observed at typical transect: >0.1 to 0.25 m/sec 0.25 0.21 0.17 0.13 >0.1 <u>15</u> 14 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 0.1 0.09 0.07 0.06 0.05 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec <0.05 0.04 0.03 0.01 <0.01 5 4 3 2 1
Habitat Smothering <u>11</u> Primary Score <u>43</u>	Adequate number of stable pools (1-2 per 12 times width) and <25% of habitats affected by sand, silt, or algae. 20 19 18 17 16	Adequate number of stable pools (1-2 per 12 times width) and >25% of habitats affected by sand, silt, or algae. 15 14 13 12 <u>11</u>	Does not have required number of stable pools (1-2 per 12 x width) and/or has shallow pools (<2 x prevailing depth). 10 9 8 7 6	Stable pools are absent. Most habitats affected by sand, silt, or algae accumulation. 5 4 3 2 1
Secondary Habitat Components	Expected sinuosity given the stream width. No evidence of dredging or artificial straightening. No spoil banks.	Good sinuosity within old channelized area. Evidence of dredging in the past (>25 yrs) but mostly recovered.	Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area.	Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks.
Artificial Channelization <u>10</u>	20 19 18 17 16	15 14 13 12 11	<u>10</u> 9 8 7 6	5 4 3 2 1
Bank Stability	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankfull to top of bank. Bankfull is within or above the root zone with few raw, eroded areas.	Only meets 2 of the 3 requirements for optimal bank stability.	Only meets 1 of the 3 requirements for optimal bank stability.	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas.
Right Bank <u>4</u> Left Bank <u>4</u>	10 9	8 7 6	5 <u>4</u>	3 2 1
Riparian Buffer Zone Width	Width of vegetation greater than 18 m	Width of vegetation >12 to 18m	Width of vegetation 6 to 12 m. human activities close to system	Less than 6 m of buffer zone due to intensive human activities
Right Bank <u>4</u> Left Bank <u>4</u>	10 9	8 7 6	5 <u>4</u>	3 2 1
Riparian Zone Vegetation Quality	Over 80% of riparian surfaces consist of normal, expected plant community for given sunlight & habitat conditions (e.g., native plants; tree, shrub, and forbs represented, if appropriate). Minimal disturbance.	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed.	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious.	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions).
Right Bank <u>7</u> Left Bank <u>7</u> Secondary Score <u>40</u>	10 9	8 <u>7</u> 6	5 4	3 2 1

TOTAL SCORE

83

Date: 2/6/18	Analyst: Jeremy Purnell	Signature: Jeremy Purnell
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DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet



Location: 161x Heislberg
 Date: 2/6/18
 Sampler: JP/SO

100 m: Latitude _____
 Longitude _____

0 m: Latitude _____
 Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

☒	Snags	2.5	6m
☒	Roots/undercut banks	2.0	6m
☐	Leaf Packs (or mats)		
☐	Aquatic Macrophytes		
☒	concrete block	1.5	4m
☐	Pools	total # observed = _____ range expected = _____	

Average width 4 m

Average depth 0.3 m

Velocity measured at 90 meter mark.

WQ & chemistry taken at 100 meter mark.

Habitat Smothering:
 Note areas (on map) where sand or silt is smothering substrates, limiting habitability.

Bank Stability:
 Note areas (on map) with unstable, eroding banks.

Riparian Buffer Width:
 Note areas (on map) where natural vegetation is altered or eliminated.

Plants observed / other notes:

< 2m observed while doing LVS?

snags - 0.4, 0.25, 0.4, 0.25
 block - 1
 Root 1 veg = 1

3-4 m wide

Length of grid represents 100 m of stream (not linear meters).
 (Horizontal scale is double vertical scale, draw proportionately).

DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet

SAMPLE ID #78206 ORG ID 21FLA LATITUDE 30.34350
 COUNTY DUVALL STORET # 20030608 LONGITUDE 81.73702
 DATE 02-06-18 TIME 1045 SAMPLING AGENCY DEAR ROCK NED
 SITE NAME JAX Heights @ Kosconnet
 FIELD ID/NAME 20030608 RECEIVING BODY OF WATER CEDAR River

RIPARIAN ZONE / STREAM FEATURES

Meter ID: Quanta II

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category): Forest/Natural ☐ Siliculture ☐ Field/Pasture ☐ Agricultural ☐ Residential ☒ Commercial ☒ Industry ☐ Other (Specify) ☐ <u>80</u> <u>20</u>							Landscape Development Intensity Index (LDI) ☐
Local Watershed Erosion (select one): ☐ None ☐ Slight ☒ Moderate ☐ Heavy Local Watershed NPS Pollution: ☐ No evidence ☐ Slight ☒ Moderate ☐ Heavy				Typical Width (m) Depth (m)/Velocity (m/sec) Transect <u>45</u> m wide <u>0.25</u> m/s <u>0.6</u> m deep			
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: <u>6-8</u> Right Bank: <u>46</u> Hydrologic Modification Score (per FT 3101) ☐				High Water Mark: <u>2.0</u> + <u>0.6</u> = <u>2.6</u> (m) (above present water level) (present depth) (above bed) Artificially Impounded ☐ Yes ☒ No			
Artificially ☐ No ☐ Mostly recovered, more sinuous Channelized: ☒ Some recovery ☐ Recent, severe				Canopy Cover % ☐ Open ☐ Lightly Shaded (11-45%) ☐ Heavily Shaded ☐ Moderate Shaded (46-80%)			

SEDIMENT / SUBSTRATE

Sediment Oils ☒ Absent ☐ Slight ☐ Moderate ☐ Profuse		Sediment Odors ☒ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify):		Smothering of Substrates Sand Smothering: None ☐ Slight ☐ Moderate ☒ Severe ☐ Silt Smothering: None ☐ Slight ☐ Moderate ☒ Severe ☐ Algae Smothering: None ☒ Slight ☐ Moderate ☐ Severe ☐																																	
SUBSTRATE TYPE Assessment Tool: ☒ SCI ☒ PRPS ☒ LVS ☐ LCI ☐ BioRecon		WATER QUALITY <table border="1"> <thead> <tr> <th>Depth (M)</th> <th>Temp. (°C)</th> <th>pH (SU)</th> <th>D.O. (MG/L)</th> <th>D.O. Sat (%)</th> <th>Cond. (UMHO/CM)</th> <th>Salinity (PPT)</th> <th>SECCHI (M)</th> </tr> </thead> <tbody> <tr> <td>Top:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>0.65</u></td> </tr> <tr> <td>Mid:</td> <td><u>0.3</u></td> <td><u>13.6</u></td> <td><u>7.1</u></td> <td><u>9.27</u></td> <td><u>89.5</u></td> <td><u>222</u></td> <td><u>0.4</u></td> </tr> <tr> <td>Bottom:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>0.6</u></td> </tr> </tbody> </table>				Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)	Top:							<u>0.65</u>	Mid:	<u>0.3</u>	<u>13.6</u>	<u>7.1</u>	<u>9.27</u>	<u>89.5</u>	<u>222</u>	<u>0.4</u>	Bottom:							<u>0.6</u>
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Woody Debris (Snags) <u>2.5</u> <u>5</u> Undercut Banks / Roots <u>2.0</u> <u>5</u> Leaf Packs or Mats <u>1.5</u> <u>5</u> Aquatic Vegetation <u>85</u> <u>5</u> Rock or Shell Rubble <u>1.5</u> <u>5</u> Sand <u>85</u> <u>5</u> Mud / Muck / Silt <u>1.5</u> <u>5</u> Other <u>1.5</u> <u>5</u> Other <u>1.5</u> <u>5</u>		System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other (Specify) ☐ Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐ Water Sample Taken? ☒ Yes ☐ No Sample Preserved? ☐ Yes ☐ No Lot Number: <u>SA723303</u> Exp: <u>08-21-18</u> Algae Sample Taken? ☐ Yes ☐ No Sample Preserved? ☐ Yes ☐ No Lot Number <u>SA723303</u> Exp: <u>08-21-18</u>																																			
ABUNDANCE <table border="1"> <thead> <tr> <th></th> <th>Not Obs.</th> <th>Rare</th> <th>Common</th> <th>Abundant</th> </tr> </thead> <tbody> <tr> <td>Periphyton:</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>☐</td> </tr> <tr> <td>Fish:</td> <td>☐</td> <td>☒</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Aquatic Plants:</td> <td>☐</td> <td>☒</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Iron/Sulfur Bacteria:</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>☐</td> </tr> </tbody> </table>			Not Obs.	Rare	Common	Abundant	Periphyton:	☐	☐	☒	☐	Fish:	☐	☒	☐	☐	Aquatic Plants:	☐	☒	☐	☐	Iron/Sulfur Bacteria:	☐	☐	☒	☐	Water Surface Oils Normal ☒ Sheen ☐ Globbs ☐ Slick ☐ Other ☐ Color Tannic ☒ Green (Algae) ☐ Clear ☐ Other (Specify) ☐ Clarity Clear ☐ Slightly Turbid ☒ Turbid ☐ Opaque ☐										
	Not Obs.	Rare	Common	Abundant																																	
Periphyton:	☐	☐	☒	☐																																	
Fish:	☐	☒	☐	☐																																	
Aquatic Plants:	☐	☒	☐	☐																																	
Iron/Sulfur Bacteria:	☐	☐	☒	☐																																	
AMBIENT FIELD CONDITIONS / NOTES: <u>L2m2-Vegetation</u> <u>Hydrilla + Aternanthera philoxeroides</u> <u>RA - 2018-02-05-22</u> Hydrologic Disturbance Scoring ☐ 1-2 ☐ 3-4 ☐ 5-6 ☐ 7-8 ☐ 9-10 ☒ The antecedent hydrologic conditions have been met to my best knowledge.		SAMPLING TEAM <u>J. Parrish, P. O'Garra</u>		SIGNATURE: <u>Pete Olson</u>																																	

Shioh 78206

RPS# 8904

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: JAX Heights @ Wescovet County: DUYAI Date: 02-06-18 Investigators: PARRISH O'Connor

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	N	N		60	1	3	N	
	2		N			2	N	N	
	3		N			3	N	N	
	4		N			4	3	N	
	5		N	32		5	N	N	90
	6		N			6	N	N	
	7		N			7	N	N	
	8		N			8	N	N	
	9		N			9	N	N	
10	1	N	N		70	1	N	N	
	2		N			2	N	N	
	3		N			3	N	N	
	4		N			4	N	N	
	5		N	96		5	3	N	96
	6		N			6	N	N	
	7		N			7	N	N	
	8		N			8	N	N	
	9		N			9	N	N	
20	1	3	N		80	1	N	N	
	2	N	N			2		N	
	3		N			3		N	
	4		N			4		N	
	5		N	80		5		N	88
	6		N			6		N	
	7		N			7		N	
	8		N			8		N	
	9		N			9		N	
30	1	3	N		90	1	N	N	
	2	3	N			2		N	
	3	N	N			3		N	
	4		N			4		N	
	5		N	84		5		N	84
	6		N			6		N	
	7		N			7		N	
	8		N			8		N	
	9		N			9		N	
40	1	3	N		100	1	N	N	
	2	N	N			2		N	
	3		N			3		N	
	4		N			4		N	
	5		N	86		5		N	88
	6		N			6		N	
	7		N			7		N	
	8		N			8		N	
	9		N			9		N	
50	1	3	N			1		N	
	2	N	N			2		N	
	3	N	N			3		N	
	4	N	N			4		N	
	5	N	N	76		5		N	
	6	N	N			6		N	
	7	N	N			7		N	
	8	N	N			8		N	
	9	N	N			9		N	

STORET Station Number: 20030608

Secchi depth

Estimated?

points ranked 4-6

total points assessed

% 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-

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: JAX Heights @ Wesconnett	Date: 02-06-18	County: DUVAL	Storet Number: 20030608
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Analyst: PO Connor Signature: Patricia

Comments: L 2m L Vegetation only a small sprig of Myrica + Hier. Nant.

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									X			Micranthemum glomeratum											
Bacopa caroliniana												Micranthemum umbrosum											
Bacopa monnieri												Myriophyllum aquaticum											
Bidens mitis												Najas guadelupensis											
Boehmeria cylindrica												Nuphar luteum											
Centella asiatica												Orontium aquaticum											
Ceratophyllum demersum												Panicum hemitomon											
Chara												Panicum repens											
Cicuta maculata												Panicum rigidulum											
Cladium jamaicense												Pistia stratioides											
Colocasia esculenta												Polygonum glabra											
Commelina diffusa												Polygonum hydropiperoides											
Commelina virginica												Polygonum punctatum											
Crinum americanum												Pontedaria cordata											
Diodia virginiana												Potamogeton illinoensis											
Eichhornia crassipes												Ruellia simplex											
Eleocharis (wispy viviparous)												Sacciolepis striata											
Hydrilla verticillata									X			Sagittaria kurziana											
Hydrocotyle												Sagittaria lancifolia											
Hygrophila polysperma												Sagittaria latifolia											
Hymenocallis												Salvinia minima											
Lachnanthes caroliniana												Samolus parviflora											
Landoltia punctata												Saururus cernuus											
Lemna												Sparganium americanum											
Limnophila sessiflora												Typha											
Ludwigia leptocarpa												Vallisneria americana											
Ludwigia palustris												Zizania aquatica											
Ludwigia peruviana																							
Ludwigia repens																							
Luziola fluitans																							

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. ParrishCollected By: J. Parrish, P. O'ConnorField Report Prepared By: P. O'ConnorSampling Agency: DEAR NED ROC

Location		Field ID/Win ID		☐ Comp ☒ Grab	Collection (comp begin or grab)	☒ Eastern ☐ Central	Composite end	Bottle Group(s)
Field ID		20030618		Date <u>02-06-18</u> Time <u>1340</u>		Date _____ Time _____		(See pg 2)
WIN/STORET #		Williamson Creek @ Jammes Rd. Jacksonville		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	A
				Surface Water Fresh		8.97	(mg/L)	
Latitude		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	Sp. Conductance
					16.3	7.3	0.3	(umho/cm) 261
Salinity (ppt)		0.12		Comments				
				DO% 92.0 No macro-inverts collected				
Location		Field ID/Win ID		☐ Comp ☒ Grab	Collection (comp begin or grab)	☒ Eastern ☐ Central	Composite end	Bottle Group(s)
Field ID		20030608		Date <u>02-06-18</u> Time _____		Date _____ Time _____		(See pg 2)
WIN/STORET #		Jax Heights at Wesconett		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	A+C
				Surface Water Fresh		9.27	(mg/L)	
Latitude		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	Sp. Conductance
					13.6	7.1	0.3	(umho/cm) 222
Salinity (ppt)		0.11		Comments				
				DO% 89.5				
Location		Field ID/Win ID		☐ Comp ☒ Grab	Collection (comp begin or grab)	☒ Eastern ☐ Central	Composite end	Bottle Group(s)
Field ID		20030693		Date <u>02-06-18</u> Time <u>1440</u>		Date _____ Time _____		(See pg 2)
WIN/STORET #		McCoy Creek @ Myrtle Ave		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	A+B
				Surface Water Fresh		6.48	(mg/L)	
Latitude		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	Sp. Conductance
					17.3	7.5	0.3	(umho/cm) 413
Salinity (ppt)		0.20		Comments				
				DO% 67.5				
Location		Field ID/Win ID		☐ Comp ☒ Grab	Collection (comp begin or grab)	☒ Eastern ☐ Central	Composite end	Bottle Group(s)
Field ID		20030429		Date <u>02-06-18</u> Time <u>1356</u>		Date _____ Time _____		(See pg 2)
WIN/STORET #		Williamson Creek @ Hugh Edwards Dr.		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	B
				Surface Water Fresh		8.45	(mg/L)	
Latitude		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	Sp. Conductance
					17.0	7.6	0.3	(umho/cm) 257
Salinity (ppt)		0.20		Comments				
				DO% 87.0				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
<u>P. O'Connor</u>	<u>02-06-18</u>	<u>Fed Ex</u>	<u>2 total</u>		

Request Number: RQ-2018-02-05-22

LSJR West 1 2018

Florida Department of Environmental Protection Central Laboratory Submittal Form

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last revised Jan 25, 2018

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Field Report Prepared By:

Collected By:

J. Parrish, P.O'Connor

Sampling Agency:

P.O'Connor
DEAR NED ROC

Location	Field ID/Wn ID	20030881		☐ Comp ☐ Grab	Collection (comp begin or grab) Date 02-06-18 Time 1415	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID	20030881			Matrix (type, e.g., Salt, Fresh, etc) Surface Water Fresh		Diss. Oxygen 5.4		Total Res. Chlorine (mg/L)
WIN/STORET #	McCoy Creek @ McDuff			Temp (C) 18.9	pH 7.2	Sample Depth 0.1	Sp. Conductance (umho/cm) 592	B
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.29	Comments DO% 58.9			
Location	Field ID	WIN/STORET #		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen mg/L % sat		Total Res. Chlorine (mg/L)
				Temp (C)	pH	Sample Depth ft m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	Field ID	WIN/STORET #		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen mg/L % sat		Total Res. Chlorine (mg/L)
				Temp (C)	pH	Sample Depth ft m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	Field ID	WIN/STORET #		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen mg/L % sat		Total Res. Chlorine (mg/L)
				Temp (C)	pH	Sample Depth ft m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	Field ID	WIN/STORET #		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen mg/L % sat		Total Res. Chlorine (mg/L)
				Temp (C)	pH	Sample Depth ft m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By: P.O'Connor	Date/Time 02-06-18 1535	Shipping Method Fed Ex	Number of Coolers Shipped: 2 total	Received By:	Date/Time
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Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3 to ALS JAX
	NE-ALS-ECQ						
Group: A	Bottle Type:	QPCR-P-250ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	PCR-FILTER						
Group: A	Bottle Type:	BG-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	W-AHERB-AA W-SUC-AA-R W-UHERB-AA						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
	W-PO4-F						
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2 to ALS JAX
	NE-ALS-ECQ						
Group: B	Bottle Type:	QPCR-P-250ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	PCR-FILTER						
Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0 to PO

Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>2</u>
	W-AHERB-AA					
	W-SUC-AA-R					
	W-UHERB-AA					

Group: C	Bottle Type:	PJ-2L	# of Bottles: 4	Preservative:	Formalin	Enter Number of Bottles Sent to Lab <u>2</u>
	MI-FW-QLDC					