

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

SAMPLE ID 79791 ORG ID 21FLWQSP LATITUDE 29.8304032
COUNTY LAfayette STORET # STEINCANAL RD LONGITUDE -83.3082027
DATE 5/2/19 TIME 1030 SAMPLING AGENCY DEP AEOA
SITE NAME Steinhatchee R. @ Canal Rd. - upstream from bridge.
FIELD ID/NAME STEINCANAL RECEIVING BODY OF WATER Gulf of Mexico

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category): Forest/Natural ☐ Silviculture ☐ Field/Pasture ☐ Agricultural ☐ Residential ☐ Commercial ☐ Industry ☐ Other (Specify) ☐							Landscape Development Intensity Index (LDI) <u>1.1</u>
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>14</u> m wide			
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: <u><18</u> Right Bank: <u><18</u>				Hydrologic Modification Score (per FT 3101) <u>1-2</u>			
High Water Mark: <u>~1</u> + <u>0.6</u> = <u>1.6</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 ☒ RPS ☒ LVS ☐ LCI ☐ BioRecon			WATER QUALITY Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat (%) Cond. (UMHO/CM) Salinity (PPT) SECCHI (M) Top: <u>0.2</u> <u>22.6</u> <u>8.1</u> <u>5.57</u> <u>64.6</u> <u>381.1</u> <u>1.2</u> Mid: <u>probe not working</u> Bottom: <u>probe not working</u> Meter ID: <u>154185</u> TOTAL DEPTH <u>0.4</u>		
Woody Debris (Snags) <u>11/10</u> <u>11/11</u> Undercut Banks / Roots <u>11/10</u> <u>11/11</u> Leaf Packs or Mat <u>11/10</u> <u>11/11</u> Aquatic Vegetation <u>11/10</u> <u>11/11</u> Rock or Shell Rubble <u>11/10</u> <u>11/11</u> Sand <u>11/10</u> <u>11/11</u> Mud / Muck / Silt <u>11/10</u> <u>11/11</u> Other <u>silt clay</u> <u>11/10</u> Other <u>pipe clay</u> <u>11/10</u>			Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐ Water Sample Taken? ☒ Yes ☐ No Sample Preserved? ☒ Yes ☐ No Lot Number: <u>101232</u> Exp: <u>8/25/20</u> Algae Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☐ No Lot Number: <u>101232</u> Exp: <u>8/25/20</u>		
ABUNDANCE Not Obs. Rare Common Abundant Periphyton: ☐ ☒ ☐ ☐ Fish: ☐ ☐ ☒ ☐ Aquatic Plants: ☒ ☐ ☐ ☐ Iron/Sulfur Bacteria: ☐ ☒ ☐ ☐			Water Surface Oils Normal ☒ Sheen ☐ Globs ☐ Slick ☐ Other ☐ Color Tannic ☒ Green (Algae) ☐ Clear ☐ Other (Specify) ☐ Clarity Clear ☐ Slightly Turbid ☒ Turbid ☐ Opaque ☐		
System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other (Specify) ☐			AMBIENT FIELD CONDITIONS / NOTES: <u>partly cloudy</u> ☒ The antecedent hydrologic conditions have been met to my best knowledge.		
SAMPLING TEAM <u>N. Wellendorf, S. Noble, J. Patrair</u> <u>Rachel Degen training</u>			SIGNATURE: <u>N. Wellendorf</u> DATE: <u>5/2/19</u>		

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

SAMPLING AGENCY: <u>DEP AEGOA</u>		STORET STATION NUMBER: <u>STEINCANALRD</u>	DATE (MM/DD/YY): <u>5/2/19</u>	RECEIVING BODY OF WATER: <u>GULF OF MEXICO</u>
REMARKS: <u>upstream of bridge</u>	COUNTY: <u>Alameda</u>	LOCATION: <u>Stan Latimer @ Canal Rd.</u>	FIELD ID/NAME: <u>STEINCANAL</u>	

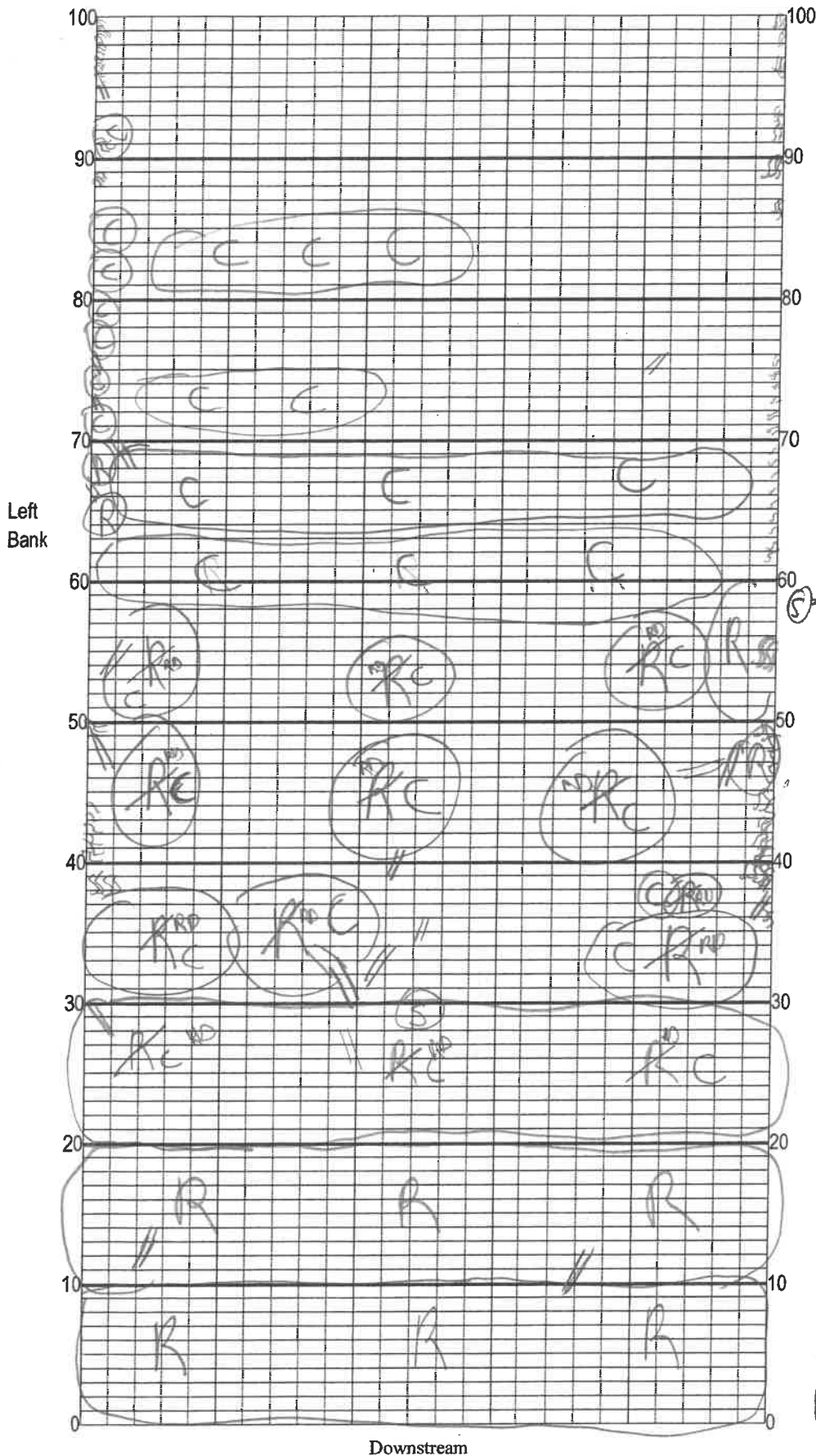
Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components	Four or more major productive habitats present (snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock)	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh 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>14</u>	20 19 18 17 16	15 <u>14</u> 13 12 11	10 9 8 7 6	5 4 3 2 1
Substrate Availability <u>14</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 <u>14</u> 13 12 11	6% to 15% major productive habitat 10 9 8 7 6	Less than 5% major productive habitat 5 4 3 2 1
Water Velocity <u>12</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 15 14 13 <u>12</u> 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>17</u> Primary Score <u>57</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 <u>17</u> 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 11	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>15</u> <u>R bank spoil bank? No bc 20 19 18 17 16</u>	20 19 18 17 16	<u>15</u> 14 13 12 11	10 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>9</u> Left Bank <u>9</u>	10 <u>9</u>	8 7 6	5 4	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>10</u> Left Bank <u>10</u>	<u>10</u> 9	8 7 6	5 4	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>10</u> Left Bank <u>10</u> Secondary Score <u>73</u>	<u>10</u> 9	8 7 6	5 4	3 2 1

130

TOTAL SCORE

Date: <u>5/2/19</u>	Analyst: <u>Nia Wellendorf</u>	Signature: <u>Nia Wellendorf</u>
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DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet



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

Location: Steinhatchee @ Canal Rd
Date: 5/2/19
Sampler: Nia Vellendorf trainee Rachel Dragon

100 m: Latitude _____
Longitude _____

0 m: Latitude 29.8304032
Longitude -83.3082027

Substrates: Code key, draw proportionate habitat abundance. %

☒ Snags 15m² _____

☒ Roots/undercut banks 10m² _____

☐ Leaf Packs (or mats) _____

☐ Aquatic Macrophytes _____

☒ Rock 2800m² _____

☒ Clay _____

☐ Pools total # observed = 2
range expected = _____

Average width 14 m

Average depth 0.6 m

Velocity measured at 30 meter mark.

WQ & chemistry taken at 10 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:

No exotics observed
diversity of depths.
60-100 m AREA
deep
1400 m² total

Rachel mapped habitat

SITE NAME: Steinhatchee @ Canal Rd DATE: 5/2/19 TIME 1030 EST CST DEPTH^A: 0.1 ft (m) FIELD ID: _____
 (military)

SAMPLING TEAM MEMBERS	WQ MEASUREMENTS	DOCUMENTATION	SAMPLE COLLECTION	PRESERVATION	PRESERVATION CHECK
<u>Sam Noble</u>	☒				
<u>Jessica Patino</u>			☒		
<u>Rachel Dragon (training)</u>			☒	☒	
<u>NIA Wellendorf</u>		☒	☒	☒	☒

SAMPLING EQUIPMENT	
☒ Sample Container	☐ Tubing type: _____
☐ Pole	☐ Other _____
☐ Pump ID#: _____	☐ Other _____
WATER QUALITY MEASUREMENTS	
Instrument ID: <u>154185</u>	
COLLECTION MODE	
☒ Wading	☐ Via Boat
☐ Diving	☐ Canoe
☐ From Shore	☐ Electric Motor
☐ Other _____	☐ Gasoline Motor

Parameter Suite	Parameter(s)/Method	Matrix Code [*]	Preservation ^{**}	Preservative Lot #	pH Check	# Bottles ***
Preserved Nutrients	☒ TKN ☒ TP ☒ NOx ☒ NH3 ☒ TOC ☐ Total N	<u>SW</u>	☒ Ice ☒ H ₂ SO ₄	<u>101232</u>	☒ <2	<u>1</u>
Filtered Nutrients	☐ PoP ☐ Other: _____	<u>SW</u>	☒ Ice ☒ .45 um Filter	<u>exp 10/13/19</u>		<u>1</u>
Unpreserved Nutrients	☐ NO ₂ ☐ NO ₃ ☐ SO ₄ ☐ Other: _____	<u>W</u>	☐ Ice			
Physical/Aggregate Properties	☒ TDS ☒ TSS ☐ TS ☒ Turbidity ☒ Alk ☒ Color	<u>SW</u>	☒ Ice			<u>1</u>
Chlorophyll	☒ CHL-PPTN-W	<u>SW</u>	☒ Ice			<u>1</u>
BOD	☐ BOD-INHB ☐ BOD-UNIN	<u>W</u>	☐ Ice			
Microbiology <u>quantitative</u>	MF: ☒ E coli ☐ T Coli ☐ F Coli ☐ Enteroc ☐ F Strep	<u>SW</u>	☐ Ice			<u>2</u>
Macroinvertebrates	☒ MI-FW-QLDC ☐ MI-FW-QLBR ☐ MI-FW-QNNC	<u>SW</u>	☒ Formalin			<u>2</u>
Phytoplankton	☐ PKD-QN-C ☐ DTY-QN-C	<u>W</u>	☐ Lugol's			
Periphyton	☐ PRN-QL-C ☐ DTM-QL-C ☐ PRN-QN-C ☐ DTM-QN-C	<u>W</u>	☐ Formalin			
AGP	☐ AA-AGP ☐ AA-LIM-NUT	<u>W</u>	☐ Ice			
Metals	☒ W-ICP ☐ W-FIAS ☒ W-ICPMS ☐ W-ICP-Tr	<u>SW</u>	☒ HNO ₃ <u>ice</u>	<u>101246</u>	☒ <2	<u>1</u>
Filtered Metals	☐ W-ICP-F ☐ W-FIAS-F ☐ W-ICPMS-F ☐ W-ICP-Tr-F	<u>W</u>	☐ HNO ₃ ☐ .45 um Filter	<u>exp 8/20/20</u>	☐ <2	
Mercury	☐ W-HG-AF	<u>W</u>				
BaseNeutral / Acid Extractable	☐ W-BNA ☐ W-AE ☐ W-BN ☐ W-PAH	<u>W</u>	☐ Ice			
	☐ W-FL-PRO ☐ W ☐ Other: _____	<u>W</u>	☐ Ice ☐ H ₂ SO ₄		☐ <2	
Pesticides	☐ W-PEST-CL ☐ W-PCB ☐ W-PEST-NP ☐ W-PSCL-PCB	<u>W</u>	☐ Ice			
	☐ W-NP-AA-SF ☐ W-PC-AA-SF ☐ W-PSHRB-NP	<u>W</u>	☐ Ice			
	☐ W-SLFN-UREA ☐ W-SULFN-LC ☐ Other: _____	<u>W</u>	☐ Ice			
	☐ W-ACIDHERB	<u>W</u>	☐ Ice ☐ H ₂ SO ₄			
	☐ W-CARB	<u>W</u>	☐ Ice ☐ MCAA			
Purgeables	☐ W-VOC-MS	<u>W</u>	☐ Ice			
	☐ W-VOC-MS-A	<u>W</u>	☐ Ice ☐ HCl			
Bioassay	Specify Test: _____	<u>W</u>	☐ Ice			
OTHER	<u>W-EP321-DI, W-EP321-MS</u>	<u>SW</u>	☒ Other: <u>ice</u>			<u>1</u>

 Notes: Other - W-PSMP-TQ SW ice 3

Use one line for each set of sample (as supplied by the laboratory) containers. Use separate sheet for field or laboratory duplicate or blank or different water depth

^AEnter "S" for surface if collected at a depth less than or equal to 1 foot

^{*}Matrix Codes (Insert prefix): SW = Surface Water GW = Groundwater DW = Drinking Water WW = Wastewater O = Other: _____

^{**}PRESERVATIVES: 1 ml added unless otherwise noted

^{***}Enter number of containers supplied by the laboratory for the test (e.g., 3 for volatile organics, etc.)

DEP Bureau of Laboratories Water Sample Collection Record

(Use with FDEP SOP-001/01 Form FD 9000-3 Physical/Chemical Characterization Field Sheet)

* upstream from bridge

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Stein Lakelee @ Canal Rd. County: Lafayette Date: 5/2/19 Investigators: NIA WellendorfSTORET Station Number: STEIN CANAL RD

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			60	1	N		
	2	N				2	1m deep X		
	3	N				3	1m deep X		
	4	N				4	1m deep X		
	5	N		24		5	1m deep X		76
	6	N				6	0.8m deep X		
	7	N				7	N		
	8	N				8	N		
	9	N				9	N		
10	1	N			70	1	X		
	2	N				2	X		
	3	N				3	X		
	4	N				4	X		
	5	N		28		5	X		100 deep
	6	N				6	X		
	7	N				7	1m deep X		
	8	N				8	N		
	9	N				9	N		
20	1	N			80	1	X		
	2	N				2	X		
	3	N				3	X		
	4	N				4	X		
	5	N		24		5	X		Too deep
	6	N				6	X		
	7	N				7	1m deep X		
	8	N				8	N		
	9	N				9	N		
30	1	N			90	1	X		
	2	N				2	X		
	3	N				3	X		
	4	N				4	X		
	5	N		22		5	X		Too deep
	6	N				6	1.6m deep X		
	7	N				7	0.8m deep X		
	8	N				8	N		
	9	N				9	N		
40	1	N			100	1	X		
	2	N				2	X		
	3	N				3	X		
	4	N				4	X		
	5	N		40		5	X		Too deep
	6	N				6	X		
	7	N				7	1.2m deep X		
	8	N				8	1m deep X		
	9	N				9	N		
50	1	N				1	N		
	2	N				2	N		
	3	N				3	N		
	4	N				4	N		
	5	N		36		5	N		
	6	N				6	N		
	7	N				7	N		
	8	N				8	N		
	9	N				9	N		

Secchi depth 1.2
Estimated? 1.0

points ranked 4-6 0
total points assessed 62
% 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- 2019-04-29-63

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

60-100m many areas too deep but many have been < Secchi.

R 10secs
M + L 8secs } velocity near

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%.

Waterbody: <u>Stenatche @ Canal Rd.</u>	Date: <u>5/2/19</u>	County: <u>Lafayette</u>	Storet Number: <u>STEINCAN</u>
Analyst: <u>N. Wellendorf</u>	Signature: <u>[Signature]</u>		
Comments: <u>No vegetation in water</u>			

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>												<i>Micranthemum glomeratum</i>														
<i>Bacopa caroliniana</i>												<i>Micranthemum umbrosum</i>														
<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>														
<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>												<i>Polygonum punctatum</i>														
<i>Crinum americanum</i>												<i>Pontedaria cordata</i>														
<i>Oclodia virginiana</i>												<i>Potamogeton illinoensis</i>														
<i>Eichhornia crassipes</i>												<i>Ruellia simplex</i>														
<i>Eleocharis (wispy viviparous)</i>												<i>Sacciolepis striata</i>														
<i>Hydrilla verticillata</i>												<i>Sagittaria kurziana</i>														
<i>Hydrocotyle</i>												<i>Sagittaria lancifolia</i>														
<i>Hygrophila polysperma</i>												<i>Sagittaria latifolia</i>														
<i>Hymenocallis</i>												<i>Salvinia minima</i>														
<i>Isachnanthes caroliniana</i>												<i>Samolus parviflora</i>														
<i>Jandollia punctata</i>												<i>Saururus cernuus</i>														
<i>Juncus emna</i>												<i>Sparganium americanum</i>														
<i>Juncus nodiflora</i>												<i>Typha</i>														
<i>Juncus leptocarpa</i>												<i>Vallisneria spiralis</i>														
<i>Juncus palustris</i>												<i>Zizania aquatica</i>														
<i>Juncus peruviana</i>																										
<i>Juncus repens</i>																										

0-5% Macrophyte Coverage
>5 and ≤10% Macrophyte Coverage
>10 and ≤25% Macrophyte Coverage
>25 and ≤50% Macrophyte Coverage
> 50% Macrophyte Coverage

Request Number: RQ-2019-04-29-63

Florida Department of Environmental Protection
Central Laboratory Submittal FormPage 1 of 3
last revised Jan 25, 2018

Reference Stream Sampling

Customer: BSSP

Requester: Sarah Penick

Field Report Prepared By:

Project ID: SCIREF

Collected By: Jessica Patonis, Sarah Noble

Sampling Agency:

DEP A&SAS

Location		Steinhatchee @ Canal Road-upstream from bridge		Collection (comp begin or grab)		Date 5/2/19		Time 1030		Eastern Central		Composite end		Date		Time		Bottle Group(s) (See pg 2)					
Field ID		STEINCANAL		Matrix (type, e.g., Salt, Fresh, etc)		Fresh, surface water		Diss. Oxygen		5.57		Total Res. Chlorine		381				A, B					
WINSTORET #		STEINCANAL RD		Temp (C)		22.6		pH				Sample Depth		0.2									
Latitude		29.8304032		Longitude		-83.3082027		Salinity (ppt)				Comments											
Location		Rocky Creek		Comp		Grab		Collection (comp begin or grab)		Date 5/2/19		Time 1350		Eastern Central		Composite end		Date		Time		Bottle Group(s)	
Field ID		ROCKY WINDS RD		Matrix (type, e.g., Salt, Fresh, etc)		Fresh, surface water		Diss. Oxygen		5.73		Total Res. Chlorine		404								A, B	
WINSTORET #		TAYLOR RD		Temp (C)		21.1		pH				Sample Depth		0.1									
Latitude		30.12828		Longitude		-83.64534		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				Total Res. Chlorine											
WINSTORET #				Temp (C)				pH				Sample Depth											
Latitude				Longitude				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				Total Res. Chlorine											
WINSTORET #				Temp (C)				pH				Sample Depth											
Latitude				Longitude				Salinity (ppt)				Comments											
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				Total Res. Chlorine											
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Latitude				Longitude				Salinity (ppt)				Comments											
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Latitude				Longitude				Salinity (ppt)				Comments											
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen															

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ECOLI-18QT						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-BACR						
	PCR-GFD						
	PCR-HF183						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-E8321-DI						
	W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	2
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	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	2
	W-PO4-F						
Group: A	Bottle Type:	BG-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	W-PSNP-TQ						