



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?
Yes / No

January 2018

WIN Station Name:

1400m
Possum Creek DOWNST of ~~exit~~ NW 16th Ave

Date: 11/13/2018

WIN/ Field ID:

~~CANE 0900~~ GINE0930

WBID: 2696

Latitude: 29.66333 29.66306

County:

Alachua

ORG ID: 21FLA

Longitude: 82.36440 82.36437

Receiving Body of Water:

Hogtown Creek

RQ-2018- 11-12-21

Sampling Team Members

J. Parrish
P. O'Connor

Sampling Equipment

- ☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☐ Syringe
☐ Dipper ☐ Other

Depth Measured with DEP154181

Equipment ID D-40 #7

Collection Method

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

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

Meter ID# DEP154181

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Interstitial / 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	1700	0.2	0.1	0.25	8.28	94.7	7.65	0.14	289	22.0
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	SA8101020	04-11-19	☒ <2
Metals	☐ W-ICPMS ☐ W-JCP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	SA1579H3		
Chlorophyll	CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	MI-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:

Place Label Here

Signature:

J. Parrish

Date:

11/13/18

Enter Field Parameters, Verify Station ID in LIMS DMT:

11/13/18

QC Station ID, Field Parameters in LIMS DMT:

11/12/18

Scan/Save Field Sheets

11/12/18

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

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

SAMPLE ID _____ ORG ID 21 FLA LATITUDE 29.66306
 COUNTY Alachua STORET # GINE0900p30 LONGITUDE 82.36437
 DATE 11-13-18 TIME 1200 SAMPLING AGENCY DEAR NEQ RQ
 SITE NAME POSSUM CREEK DOWNST. of CULVERT NW 16th AVE
 FIELD ID/NAME GINE0900p30 RECEIVING BODY OF WATER Hogtown Creek
 METER ID: DEP#15418

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category):
 Forest/Natural 35 Silviculture _____ Field/Pasture _____ Agricultural 40 Residential 5 Commercial _____ Industry _____ Other (Specify) _____
Landscape Development Intensity Index (LDI) _____
 Local Watershed Erosion (select one): ☐ None ☐ Slight ☒ Moderate ☐ Heavy
 Local Watershed NPS Pollution: ☐ No evidence ☐ Slight ☒ Moderate ☐ Heavy
 Width of Riparian Vegetation (m) on Each Buffer Side: Left Bank: 218 Right Bank: 218
 Hydrologic Modification Score (per FT 3101) _____
 High Water Mark: 1.0 + 0.2 = 1.2 Artificially Impounded ☐ Yes ☒ No
 (m) (above present water level) (present depth) (above bed)
 Artificially ☐ No ☐ Mostly recovered, more sinuous ☐ Open ☐ Lightly Shaded (11-45%)
 Channelized: ☒ Some recovery ☐ Recent, severe ☒ Heavily Shaded ☐ Moderate Shaded (46-80%)
 Typical Width (m) Depth (m)/Velocity (m/sec) Transect: 2.5 m wide
 _____ m/s 0.3 m/s _____ m/s
 _____ m deep 0.2 m deep _____ m deep

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
 % Coverage: 4.0 5 5
 Woody Debris (Snags) 4.0 5 5
 Undercut Banks / Roots 2.0 5 5
 Leaf Packs or Mat 1.0 5 5
 Aquatic Vegetation _____
 Rock or Shell Rubble _____
 Sand 75 5 5
 Mud / Muck / Silt _____
 Other Clay 17 1
 Other _____
WATER QUALITY
 Top: _____
 Mid: 0.1 22.0 7.65 8.28 94.7 2.89 0.14 0.25
 Bottom: _____
 System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other (Specify) _____
 Water Odors: Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐
 Water Surface Oils: Normal ☒ Sheen ☐ Globbs ☐ Slick ☐ Other ☐
 Water Sample Taken? ☒ Yes ☐ No
 Sample Preserved? ☐ Yes ☐ No
 Lot Number: SAB101020 Exp: 04-11-19
 Algae Sample Taken? ☐ Yes ☒ No
 Sample Preserved? ☐ Yes ☐ No
 Lot Number: SAB101030 Exp: 04-11-19
 Color Tannic ☐ Green (Algae) ☐ Clear ☒ Other (Specify) _____
 Clarity: Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque ☐

ABUNDANCE
 Not Obs. Rare Common Abundant
 Periphyton: ☐ ☒ ☐ ☐
 Fish: ☐ ☐ ☒ ☐
 Aquatic Plants: ☒ ☐ ☐ ☐
 Iron/Sulfur Bacteria: ☐ ☒ ☐ ☐

AMBIENT FIELD CONDITIONS / NOTES:

RQ-2018-11-12-21
4L @ 90-100 29.66333, 82.36440
 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

J. Parrish, P. O'Connor

SIGNATURE:

P. O'Connor

79033



DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet									
Site: <u>Sum of DWNST of CULVERT NW 16th AVE</u>				County: <u>ALACHUA</u>		Date: <u>11-13-18</u>		Investigators: <u>J. Parrish, P. O'Connor</u>	
STORET Station Number: <u>GINE 093010</u>									
Transect (m)	Point 1=right	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect (m)	Point 1=right	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N	N	92	60	1	N	N	76
	2	N	N						
	3	N	N						
	4	N	N						
	5	N	N						
	6	N	N						
	7	N	N						
	8	N	N						
	9	N	N						
10	1	N	N	96	70	1	N	N	84
	2	N	N						
	3	N	N						
	4	N	N						
	5	N	N						
	6	N	N						
	7	N	N						
	8	N	N						
	9	N	N						
20	1	N	N	92	80	1	N	N	62
	2	N	N						
	3	N	N						
	4	N	N						
	5	N	N						
	6	N	N						
	7	N	N						
	8	N	N						
	9	N	N						
30	1	N	N	92	90	1	N	N	68
	2	N	N						
	3	N	N						
	4	N	N						
	5	N	N						
	6	N	N						
	7	N	N						
	8	N	N						
	9	N	N						
40	1	N	N	90	100	1	N	N	96
	2	N	N						
	3	N	N						
	4	N	N						
	5	N	N						
	6	N	N						
	7	N	N						
	8	N	N						
	9	N	N						
50	1	N	N	74	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%.				
	2	N	N						
	3	N	N						
	4	N	N						
	5	N	N						
	6	N	N						
	7	N	N						
	8	N	N						
	9	N	N						

Secchi depth 0.2
Estimated? 100

points ranked 4-6 1
total points assessed 99
% points ranked 4-6 1%

Check accompanying data collected at same site/date.

Algal mat sample	<u>na</u>
Linear Veg Survey	<u>na</u>
Habitat Assessment	<u>y</u>
SCI/Biorecon	<u>y</u>
Water sample	<u>y</u>

RQ-2018-11-12-21

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

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

Waterbody: <u>Possum Cr.</u>	<u>DWNST of Culvert NW 16th</u>	Date: <u>11-13-18</u>	County: <u>Alachua</u>	Storet Number: <u>61460900</u>
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Analyst: <u>P. O'Connor</u>	Signature: <u>[Signature]</u>	<u>G14E0930</u> ¹⁰
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Comments:	NO AQUATIC PLANTS
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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>												<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>Diodia 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>Lachnanthes caroliniana</i>												<i>Samolus parviflora</i>											
<i>Landoltia punctata</i>												<i>Saururus cernuus</i>											
<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>																							
<i>Ludwigia repens</i>																							
<i>Luziola fluitans</i>																							
					</																		



79033

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

SAMPLING AGENCY: NE ROC		STORET STATION NUMBER: <u>30</u> <u>GINE0900</u>	DATE (MM/DD/YY): <u>11-13-18</u>	RECEIVING BODY OF WATER: <u>Logan Cr.</u>
REMARKS: <u>Storet #</u> <u>GINE0930</u>	COUNTY: <u>Alachua</u>	LOCATION: <u>Possum Creek Downst</u> <u>of Culvert NW 16th Ave.</u>		FIELD ID/NAME: <u>GINE0900</u>

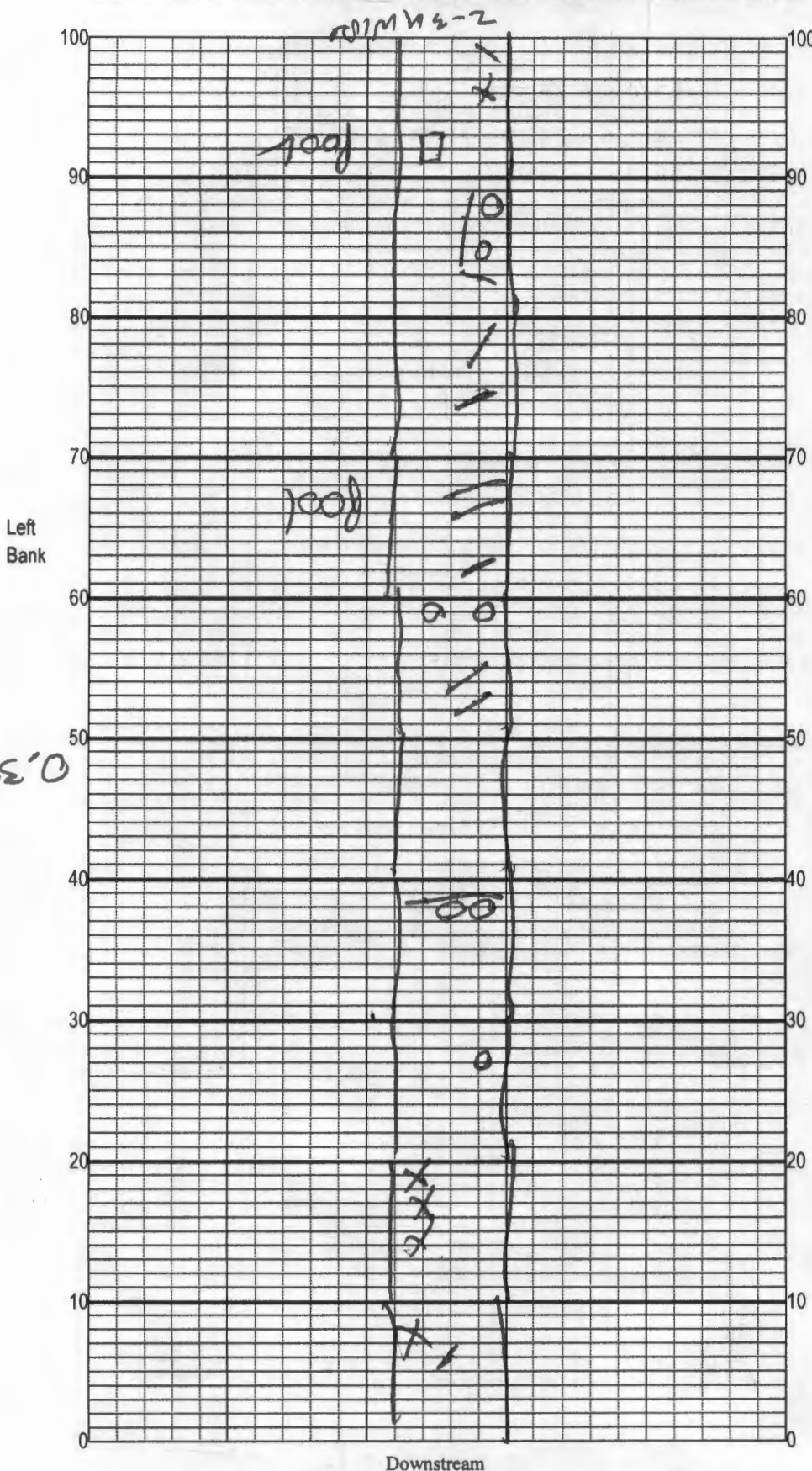
Habitat Parameter		Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components		Four or more major productive habitats present (snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock)	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh 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>12</u>		20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Substrate Availability <u>8</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 6	Less than 5% major productive habitat 5 4 3 2 1
Water Velocity <u>20</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 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>51</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 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. 20 19 18 17 16	Good sinuosity within old channelized area. Evidence of dredging in the past (>25 yrs) but mostly recovered. 15 14 13 12 11	Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area. 10 9 8 7 6	Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks. 5 4 3 2 1
Artificial Channelization <u>12</u>					
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. 10 9	Only meets 2 of the 3 requirements for optimal bank stability. 8 7 6	Only meets 1 of the 3 requirements for optimal bank stability. 5 4	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas. 3 2 1
Right Bank <u>5</u> Left Bank <u>5</u>	<u>5</u>				
Riparian Buffer Zone Width		Width of vegetation greater than 18 m 10 9	Width of vegetation >12 to 18m 8 7 6	Width of vegetation 6 to 12 m. human activities close to system 5 4	Less than 6 m of buffer zone due to intensive human activities 3 2 1
Right Bank <u>10</u> Left Bank <u>10</u>	<u>10</u>				
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. 10 9	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed. 8 7 6	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious. 5 4	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). 3 2 1
Right Bank <u>8</u> Left Bank <u>8</u>	<u>8</u>				
Secondary Score <u>58</u>					

109

TOTAL SCORE

Date: <u>11-13-18</u>	Analyst: <u>P. O'Connor</u>	Signature: <u>[Signature]</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: Bossum Cr Dunst
Culvert NW 16th Ave

Date: 11-13-18

Sampler: P O'Connor

100 m: Latitude _____
Longitude _____

0 m: Latitude _____
Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

- | | | |
|-------------------------------------|----------------------|--|
| ☒ | Snags | _____ |
| ☒ | Roots/undercut banks | _____ |
| ☒ | Leaf Packs (or mats) | _____ |
| ☒ | Aquatic Macrophytes | _____ |
| ☒ | <u>Rock</u> | _____ |
| ☐ | _____ | _____ |
| ☐ | Pools | total # observed = _____
range expected = _____ |

Average width 2.5 m

Average depth 0.2 m

Velocity measured at 50 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:

<2 M of Macrophytes was observed while doing the LVS? YES or NO

4% Snags
2% Root
1% Leaf

Group	Bottle Type	# of Bottles	Preservative	Enter Number of Bottles Sent to Lab
Group: A	P-1L	1	ICE	
	ALKALINITY			
	TURBIDITY			
	W-CL-IC			
	W-COLOR			
	W-F			
	W-SO4-IC			
	W-TDS			
	W-TSS			
Group: A	BP-1L	1	ICE	1
	CHLSUITE-W			
Group: A	P-120ML-WC-THI	1	ICE	1
	NED-AEG-EC			
Group: A	QPCR-P-500ML	1	ICE	1
	PCR-FILTER			
Group: A	BG-500ML	1	ICE	1
	W-E8321-DI			
	W-E8321-MS			
Group: A	P-500ML	1	ICE And H2SO4	1
	W-NH3			
	W-NO2NO3			
	W-S-A-TP			
	W-TKN			
	W-TOC			
Group: A	P-125ML	1	FILTER-ICE	1
	W-PO4-F			
Group: B	PJ-2L	2	Formalin	2
	MI-FW-QLDC			

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Possum creek SCI

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. ParrishField Report Prepared By: J Parrish

Project ID: SMP

Collected By: J ParrishSampling Agency: FDPE NE

Location <u>Possum cr. 400m downstream of NW 16th</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>11/13/18</u> Time <u>1200</u>	Eastern Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>8.28</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STORET # <u>6INE0930</u>		Temp (C) <u>22.0</u>	pH <u>7.65</u>	Sample Depth <u>0.1</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>289</u>
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.14</u>	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)	
WIN/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)	
WIN/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)	
WIN/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)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By: <u>J Parrish</u>	Date/Time: <u>11/13/18 1600</u>	Shipping Method: <u>Fedex</u>	Number of Coolers Shipped: <u>1</u>	Received By: _____	Date/Time: _____
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