



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

A-KIT

Data Qualified?
Yes / No

WIN Station Name: SUNDANCE CREEK Date: 9-26-18
WIN/ Field ID: G2SW0038 WBID: 1798 Latitude: 27.652478
County: ADAMATEL HILLS ORG ID: 21FLTPA Longitude: -82.42129
Receiving Body of Water: _____ RQ-2018- 09-24-2757

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Judy Ashton										☒ Sample Container	☐ Van Dorn	☐ Pole		
Ben Paswater										☐ Carboy	☐ Syringe			
Sarah Meyer										☐ Dipper	☐ Other			
Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded										Meter ID# <u>6920-8</u>		Matrix: (Fresh) Marine / DI		
Photos: (Yes) No Flow: No Flow / Intestinal / (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 (umhos/cm)	Temp. (C°)				
EST	1250	0.2	0.1	0.2	6.19	81.2	7.45	0.20	430	29.38				
CEN														
Biological Samples Collected: None (HA) SCI (RPS) Algae ID (LVS) LVI Other:														
SBIO ID Numbers: SBIO-ID: <u>78935</u> HA-ID: <u>15419</u> RPS-ID: <u>9108</u> Macrophyte-ID: <u><2m²</u> 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 ☐ H2SO4		<u>SAB101020</u>	<u>04/11/19</u>	☒ <2			
Metals		☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3				☐ <2			
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice							
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		☐ 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					☐ Ice							
		☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Other							

Contains: 1:1 H2SO4
Lot No.: SAB101020
Expires: 04/11/19
See Safety Data Sheet (SDS)

Place Preserved

Contains: 1:1 H2SO4
Lot No.: SAB101020
Expires: 04/11/19
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No.: SAB101020
Expires: 04/11/19
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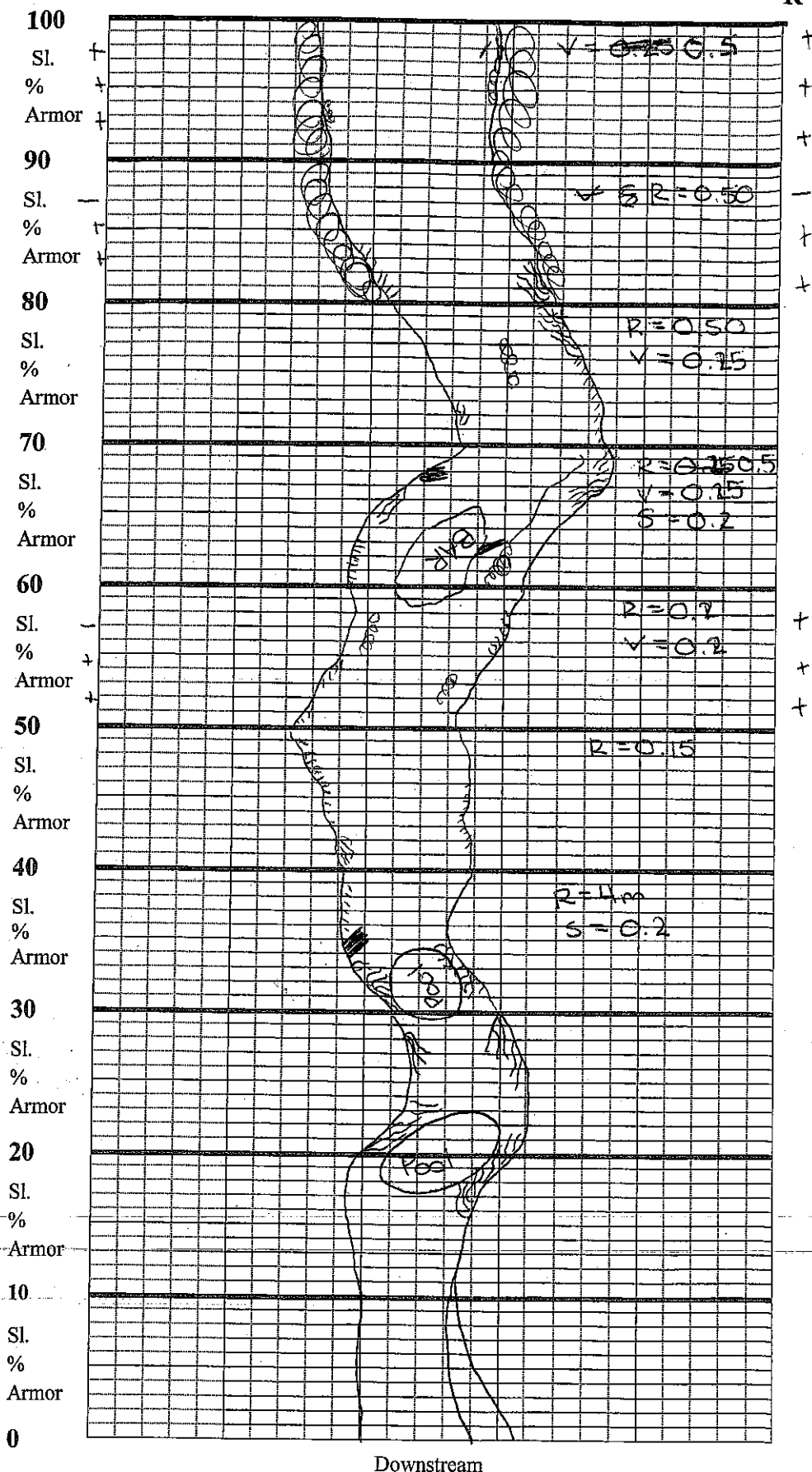
Notes: _____ Field ID/WIN **G2SW0038**
Site Name: Sundance Creek
Signature: _____ Date: 9-26-18

Enter Field Parameters, Verify Station ID in LIMS DMT: SM 09/10/16/2018 QC Station ID, Field Parameters in LIMS DMT: SM 11/13/2018
Scan/Save Field Sheets _____ Migrate Data to WIN: 8419 SM 11/14/18 Verify Data in WIN: SM 12/17/2018

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

L

R

Location: SUNDANCE CreekDate: 9-24-18Samplers: J ASHMANS. MEYERB. PASWATER

Substrates: Code key, draw proportionate habitat abundance. %

 Snags 0.3

 Roots/undercut banks 3.2

 Leaf Packs (or mats)

 Macrophytes 0.6

Velocity measured at meter mark.WQ & chemistry taken at 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.

1 sec per 1 m	1m/s	sec	m/s
2	0.5	12	0.08
3	0.33	13	0.076
4	0.25	14	0.071
5	0.2	15	0.066
6	0.16	16	0.062
7	0.14	17	0.058
8	0.12	18	0.055
9	0.11	19	0.052
10	0.1	20	0.052
11	0.09	21	0.047
22	0.045	NO	FLOW

Prod. hab	1	2	3	4	5
Sweeps (Maj)	10	7	5	4	3
Sweeps (Min)	10	6	5	4	5

$S = 0.6$
 $R = 4.45$

$V = 1.2$

WIDTH = 2.0m

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET																					
Waterbody: <u>SUNDAKE CREEK</u>					Date: <u>9-26-18</u>			County: <u>MANATEE</u>			Storet Number: <u>G25W003B</u>										
Analyst: <u>JULY ASHON</u>					Signature: <u>[Signature]</u>																
Comments: <u>< 2 m²</u>																					
Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m ² 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	
Alternanthera philoxeroides			X	X	X	X	X	X	X		Micranthemum glomeratum										
Bacopa caroliniana											Micranthemum umbrosum										
Bacopa monnieri											Myriophyllum aquaticum										
Bidens mitis											Najas guadelupensis										
Boehmeria cylindrica											Nuphar luteum										
Centella asiatica											Orotium aquaticum										
Ceratophyllum demersum			X	X	X	X	X	X	X		Panicum hemitomon										
Chara											Panicum repens										
Cicuta maculata											Panicum rigidulum										
Cladium jamaicense											Pistia stratioides										
Colocasia esculenta	X	X	X			X	X	X	X		Polygonum glabra										
Commelina diffusa						X	X	X	X		Polygonum hydropiperoides										
Commelina virginica											Polygonum punctatum										
Crinum americanum											Pontedaria cordata										
Diodia virginiana											Potamogeton illinoensis										
Eichhornia crassipes											Ruellia simplex										
Eleocharis (wispy viviparous)											Sacciolepis striata								X	X	
Hydrilla verticillata			X	X	X	X	X	X	X		Sagittaria kurziana										
Hydrocotyle						X					Sagittaria lancifolia										
Hygrophila polysperma											Sagittaria latifolia										
Hymenocallis											Salvinia minima										
Lachnanthes caroliniana											Samolus parviflora										
Landoltia punctata											Saururus cernuus										
Lemna			X	X	X		X				Sparganium americanum										
Limnophila sessiflora											Typha										
Ludwigia leptocarpa											Vallisneria americana										
Ludwigia palustris											Zizania aquatica										
Ludwigia peruviana									X		<u>WEDELIA</u>									X	
Ludwigia repens								X			<u>ARENDA</u>									X	
Luziola fluitans											<u>PERSEA</u>							X	X		
											<u>ILLEX CASSINE</u>							X			
											<u>RHILSA</u>							X			

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

County:		Investigators								
MANATEE		J. ASHTON, B. PASWATER, S. MEYER								
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					2				
	3					3				
	4					4				
	5			70		5				82
	6					6				
	7					7				
	8					8				
	9					9				
10	1				70	1				
	2					2				
	3					3				
	4			72		4				
	5					5				94
	6					6				
	7					7				
	8					8				
	9					9				
20	1				80	1				
	2					2				
	3					3				
	4					4				
	5			85		5				91
	6					6				
	7					7				
	8					8				
	9					9				
30	1				90	1				
	2					2				
	3					3				
	4					4				
	5			90		5				34
	6					6				
	7					7				
	8					8				
	9					9				
40	1				100	1				
	2					2				
	3					3				
	4					4				
	5			95		5				24
	6					6				
	7					7				
	8					8				
	9					9				
50	1					1				
	2					2				
	3					3				
	4					4				
	5			95		5				
	6					6				
	7					7				
	8					8				
	9					9				

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%.

STORET Station Number:
G2SW003B

Secchi depth **0.2**
Estimated? **No**

points ranked 4-6 **0**
total points assessed **100**
% 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 **2018-09-24-57**

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

SAMPLE ID see stickerSite Name: Sundance Creek

JDE _____

STORET # see sticker

E _____

DATE see stickerTIME 12:50SAMPLING AGENCY FDEP South ROCSITE NAME see sticker

RECEIVING BODY OF WATER _____

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category): Forest/Natural <u>20</u> Silviculture <u> </u> Field/Pasture <u> </u> Agricultural <u>30</u> Residential <u>50</u> Commercial <u> </u> Industry <u> </u> Other (Specify) <u> </u>							Landscape Development Intensity Index (LDI) <u> </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>2.0</u> m wide <u> </u> m/s <u>0.2</u> m/s <u> </u> m/s <u> </u> m deep <u>0.2</u> m deep <u> </u> m deep
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: <u>718</u> Right Bank: <u>718</u>				Hydrologic Modification Score (per FT 3101) <u>5</u>			
High Water Mark: <u>0.4</u> + <u>0.2</u> = <u>0.6</u> (m) (above present water level) (present depth) (above bed)				Artificially Impounded ☐ Yes ☒ No			
Artificially Channelized: ☒ No ☐ Some recovery ☐ Mostly recovered, more sinuous ☐ 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 <table border="1"> <thead> <tr> <th></th> <th>% Coverage</th> <th>INVERT # Times Sampled</th> <th>PERI # Times Sampled</th> </tr> </thead> <tbody> <tr> <td>Woody Debris (Snags)</td> <td><u>0.3</u></td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Undercut Banks / Roots</td> <td><u>3.2</u></td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Leaf Packs or Mat</td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Aquatic Vegetation</td> <td><u>0.4</u></td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Rock or Shell Rubble..</td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Sand.....</td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Mud / Muck / Silt</td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Other</td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> </tr> <tr> <td>Other</td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> </tr> </tbody> </table>				% Coverage	INVERT # Times Sampled	PERI # Times Sampled	Woody Debris (Snags)	<u>0.3</u>	<u> </u>	<u> </u>	Undercut Banks / Roots	<u>3.2</u>	<u> </u>	<u> </u>	Leaf Packs or Mat	<u> </u>	<u> </u>	<u> </u>	Aquatic Vegetation	<u>0.4</u>	<u> </u>	<u> </u>	Rock or Shell Rubble..	<u> </u>	<u> </u>	<u> </u>	Sand.....	<u> </u>	<u> </u>	<u> </u>	Mud / Muck / Silt	<u> </u>	<u> </u>	<u> </u>	Other	<u> </u>	<u> </u>	<u> </u>	Other	<u> </u>	<u> </u>	<u> </u>	WATER QUALITY <table border="1"> <thead> <tr> <th></th> <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><u> </u></td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> <td><u>0.2</u></td> </tr> <tr> <td>Mid:</td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> <td><u> </u></td> <td>☒ VOB</td> </tr> <tr> <td>Bottom:</td> <td><u>0.1</u></td> <td><u>29.38</u></td> <td><u>7.45</u></td> <td><u>6.19</u></td> <td><u>81.2</u></td> <td><u>430</u></td> <td><u>0.20</u></td> <td><u>0.2</u></td> </tr> </tbody> </table> Meter ID: <u>6920-B</u>							Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)	Top:	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>0.2</u>	Mid:	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	☒ VOB	Bottom:	<u>0.1</u>	<u>29.38</u>	<u>7.45</u>	<u>6.19</u>	<u>81.2</u>	<u>430</u>	<u>0.20</u>	<u>0.2</u>
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AMBIENT FIELD CONDITIONS / NOTES: ☐ The antecedent hydrologic conditions have been met to my best knowledge.																																																																																				
SAMPLING TEAM <u>J. ASHBY, S. MEYER, D. PASWATER</u>			SIGNATURE: 			DATE: <u>9-26-18</u>																																																																														

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

SAMPLING AGENCY: <u>FOLP</u>		STORET STATION NUMBER: <u>G2SW003B</u>	DATE (MM/DD/YY): <u>9-26-18</u>	RECEIVING BODY OF WATER:
REMARKS:	COUNTY: <u>HILLS</u>	LOCATION: <u>SUNDANCE CREEK</u>	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>5</u>	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	<u>5</u> 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 5 4 3 2 1
Water Velocity <u>14</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 <u>14</u> 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>12</u> Primary Score <u>12</u> <u>37</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 <u>12</u> 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>	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 9	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>9</u> Left Bank <u>10</u>	10 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>9</u> Left Bank <u>8</u> Secondary Score <u>69</u>	10 9	8 7 6	5 4	3 2 1

104 TOTAL SCORE

Date: <u>9-26-18</u>	Analyst: <u>J. Ashton, B. Ptaszyk, S. M. L. M.</u>	Signature: <u>[Signature]</u>
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Request Number: RQ-2018-09-24-57

Florida Department of Environmental Protection Central Laboratory Submittal Form

Page 1 of 2

Sundance Creek

last revised Jan 25, 2018

Customer: SW-DIST

Requester: Judy Ashton

Field Report Prepared By: J. Ashton

Project ID: SMP

Collected By: J. Ashton, B. McMASTER

Sampling Agency: FDEP

Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9-26-18 Time 1250		Eastern Central	Composite end Date Time		Bottle Group(s) (See pg 2)
Field ID/WIN G2SW0038		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 6.19 81.2	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		A
WI 		Temp (C) 29.38	pH 7.45	Sample Depth 0.1	☐ ft ☒ m	Sp. Conductance (umho/cm) 430		
Lai Site Name: Sundance Creek		☐ dd ☐ dms	Salinity (ppt) 0.20	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) ☐ dd ☐ dms	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) ☐ dd ☐ dms	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) ☐ dd ☐ dms	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) ☐ dd ☐ dms	Comments				

Relinquished By: J. Ashton	Date/Time: 9-26-18 1200	Shipping Method: FedEx	Number of Coolers Shipped: 1	Received By:	Date/Time:
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Ref:
Dep:Date: 17Sep18
Wgt: 15.00 LBS
DV:SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00SVCS: PRIORITY OVERNIGHT Master 4385 5033 7215
TRACK: 4385 5033 7259

Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab