



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PLAN FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: TelegraphCreek@BbckRnch **Date:** 12/14/2021
WIN/Field ID: G3SD0205 **WBID:** 3236A **ENR:** - **Latitude:** 26.7475
County: LEE **Org ID:** 21FLFTM **Longitude:** -81.67
Receiving Body of Water: Caloosahatchee **RQ:** 2021-12-13-47

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Nicole Reistad	x		x		
☒	William Mullen		x		x	x
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☐ Pole
Depth measured with: Secchi	
Secchi Equipment ID: DEEPER BLUER	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☒ From Shore	☐ Electric Motor
☐ Other _____	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded						Meter ID# FRIDAY					
Photos: YES		Flow: FLOW		Tide:		Tide Times: High: Low:					
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:											
SBIO ID Numbers:											
Notes:											

Duplicate Sample

Time Zone: EST	Time: _____	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID: _____			

Blank

Time Zone: EST	Time: 1040	Field ID: FB_12142021	(Blank Type_DDMYYYY)
DI Source: In house DI system		Location: G3SD0205	
DI Type: Field Blank		Equipment ID: _____	
DI Container (Name/ID): Short Round		DI Container Type: Carboy	

LIMS EVENT ID: _____ WIN Import ID: _____
Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: _____
(Initials/Date) (Initials/Date)
Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data In WIN: _____
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2021-12-13-47

Customer: WQAP

Project ID: SMP

Collected By: Nicole Reistad, William Mullen

Field Report Prepared By: Nicole Reistad

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G3SD0205

Location: TelegraphCreek@BbckRnch

Comments: Microbiology sample(s) submitted to contract laboratory

Matrix: Fresh

(Check one)

☒ GRAB☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT _h)			
	1025 EST	4.12	47.5	22.4	7.11	0.3	0.6 ☒ VOB (S)	0.6	532	0.26			
12/14/2021							Central Lab please use top row for login purposes						
	EST												
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group			
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☐ Ice ☐ H2SO4*		☐ <2					
		Lot #		Exp:									
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*		☐ <2					
		Lot #		Exp:									
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice							
		Filter Lot #											
		Syringe Lot #											
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice							
Physical/Aggregate (Fresh) (P-1L)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS				☐ Ice							
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice							
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC	Formalin Lot #			☐ Formalin							
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice							
Microbiology (Contract Lab Bottle)		☒ E Coli ☐ F Coli ☐ Enterococci ☒ Contract Lab				☒ Ice			1	A			
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice							
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice							
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI	☐ WE8321-MS	☐ W-PSNP-TQ	☒ W-CT-CL-R	☒ Ice			5 or 3	A			
Phytoplankton/Periphyton		☒ W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA** Buffer Solution)			☒ Ice							
				DTY-QN-C		☐ Ice							
				PKD-QN-BV									
Name: Nicole Reistad William Mullen				Signature:					Date:				

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



RQ- 2021-12-13-47

Collected By: Nicole Reistad, William Mullen

Customer: WQAP

Field Report Prepared By: Nicole Reistad, William Mullen

Project ID: SMP

Sampling Agency: FDEP

BLANK



Field ID: FB 12142021

Comments:

Matrix: Field Blank

(Check one) ☐ COMPOSITE ☒ GRAB

Date

Time

DI Source: In house DI system

12/14/2021

1040

EST

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H2SO4	☐ <2		
	Lot # Exp:				
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ H2SO4	☐ <2		
	Lot # Exp:				
Filtered Nutrients (P125ML)	☐ W-PO4-F Filter ☐ Field Filtered 0.45 µm	☐ Ice			
	Filter Lot #				
	Syringe Lot #				
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-IC / TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☒ W-CT-CL-R ☒ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐	☒ Ice		5 or 3	D
Name: Nicole Reistad William Mullen		Signature: _____		Date: _____	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

SAMPLE ID _____ ORG ID 21FLFTM LATITUDE 26.730561
 COUNTY Lee STORET # _____ LONGITUDE -81.701669
 DATE 12/14/2021 TIME 1150 SAMPLING AGENCY DEP-8ROC
 SITE NAME Telegraph Creek @ USGS
 FIELD ID/NAME G3SD0129 RECEIVING BODY OF WATER Caloosahatchee River

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category) :								Landscape Development Intensity Index (LDI)	
Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industry	Other (Specify)		
<u>40%</u>	<u>6%</u>	<u>50%</u>	<u>0%</u>	<u>9%</u>	<u>0%</u>	<u>0%</u>	<u>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 16 m wide	
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank : <u>5</u> Right Bank : <u>3</u>				Hydrologic Modification Score (per FT 3101)				0.045 m/s m/s m/s	
High Water Mark: <u>0.4</u> + <u>0.6</u> = <u>1.0</u> (m) (above present water level) (present depth) (above bed)				Artificially Impounded ☐ Yes ☒ No				1.8 m deep m deep m deep	
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 <table border="1" style="width:100%; border-collapse: collapse;"> <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>0.3</u></td> <td><u>22.5</u></td> <td><u>7.29</u></td> <td><u>4.68</u></td> <td><u>54.1</u></td> <td><u>393.3</u></td> <td><u>0.19</u></td> <td><u>0.6</u></td> </tr> <tr> <td>Mid:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>☒ VOB</td> </tr> <tr> <td>Bottom</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></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>0.3</u>	<u>22.5</u>	<u>7.29</u>	<u>4.68</u>	<u>54.1</u>	<u>393.3</u>	<u>0.19</u>	<u>0.6</u>	Mid:								☒ VOB	Bottom								
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Mid:								☒ VOB																																				
Bottom																																												
Woody Debris (Snags) <u>0.1375</u> Undercut Banks / Roots <u>0.0375</u> Leaf Packs or Mat <u>0</u> Aquatic Vegetation <u>0.334</u> Rock or Shell Rubble.. <u>0.769</u> Sand..... Mud / Muck / Silt Other Other			Meter ID: <u>Friday</u>			TOTAL DEPTH <u>0.6</u>																																						
ABUNDANCE <table border="1" style="width:100%; border-collapse: collapse;"> <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 Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐			Water Surface Oils Normal ☐ Sheen ☐ Globbs ☐ Slick ☒ Other ☐													
	Not Obs.	Rare	Common	Abundant																																								
Periphyton:	☒	☐	☐	☐																																								
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Aquatic Plants:	☐	☒	☐	☐																																								
Iron/Sulfur Bacteria:	☒	☐	☐	☐																																								
			Water Sample Taken? ☒ Yes ☐ No Sample Preserved? ☒ Yes ☐ No Lot Number: _____ Exp: _____			Color Tannic ☒ Green (Algae) ☐ Clear ☐ Other (Specify) ☐																																						
			Algae Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☒ No Lot Number: _____ Exp: _____			Clarity Clear ☐ Slightly Turbid ☒ Turbid ☐ Opaque ☐																																						
System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other(Specify) ☐			AMBIENT FIELD CONDITIONS / NOTES: ☒ The antecedent hydrologic conditions have been met to my best knowledge.																																									
SAMPLING TEAM <u>8020C</u> <u>Nicole Reistad</u> <u>William Nollen</u>			SIGNATURE : <u>WS</u>			DATE : <u>12/16/2021</u>																																						

DEP-SOP-001/01: Form FD 9000-5
STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION
STREAM/RIVER HABITAT ASSESSMENT FIELD SHEET

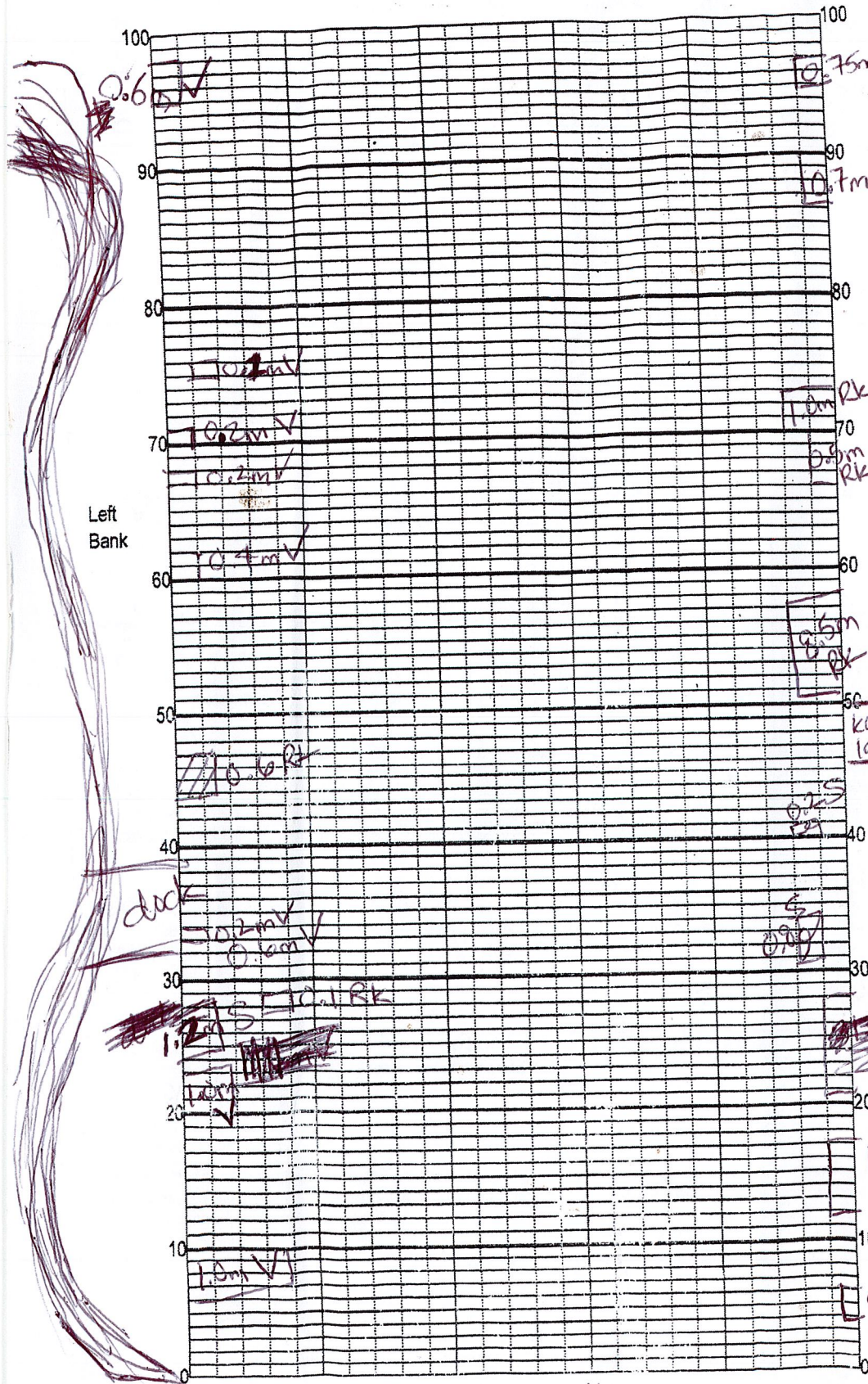
SUBMITTING AGENCY CODE: <u>21FLFTM</u>		STORET STATION NUMBER: <u>G3SD0129</u>	DATE (MM/DD/YY): <u>12/14/21</u>	RECEIVING BODY OF WATER: <u>Caloosahatchee</u>
SUBMITTING AGENCY NAME: <u>DEP-SROS</u>				
REMARKS:	COUNTY: <u>Lee</u>	LOCATION: <u>Telegraph Creek @ USGS</u>	FIELD ID/NAME:	

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>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>2</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 <u>2</u> 1
Water Velocity <u>5</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 <u>5</u> 4 3 2 1
Habitat Smothering <u>3</u> Primary Score <u>21</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 <u>3</u> 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>18</u>	20 19 <u>18</u> 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bank Stability Right Bank <u>8</u> Left Bank <u>9</u>	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 <u>9</u> L	Only meets 2 of the 3 requirements for optimal bank stability. <u>8</u> 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
Riparian Buffer Zone Width Right Bank <u>2</u> Left Bank <u>3</u>	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 <u>L</u> <u>R</u> <u>3</u> <u>2</u> 1
Riparian Zone Vegetation Quality Right Bank <u>3</u> Left Bank <u>4</u> Secondary Score <u>47</u>	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 <u>4</u> L	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). <u>R</u> <u>3</u> 2 1

68 TOTAL SCORE

Date: <u>12/14/2021</u>	Analyst: <u>Nicole Reistad, William Mullen</u>	Signature: <u>[Signature]</u>
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DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet



Location: G3SD0129 Telegraph Creek
 Date: 12/14/2021
 Sampler: Nicole Reistad

100 m: Latitude 26.7313281
 Longitude -81.7004158
 0 m: Latitude 26.7309532
 Longitude -81.7016414

Substrates: Code key, draw proportionate habitat abundance.

☒	Snags	<u>0.1375</u>
☒	Roots/undercut banks	<u>0.0375</u>
☒	Leaf Packs (or mats)	<u>0</u>
☒	Aquatic Macrophytes	<u>0.334</u>
☒	Rocks	<u>0.769</u>
☐	Pools	total # observed = <u>0</u> # range expected = <u>1-2</u>

Average width 16 m
 Average depth 1.8 m

Velocity measured at 0 meter mark.

WQ & chemistry taken at 0 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:
1.5m Rk 2251m = 0.045

Totals = 1.278%
S 2.2m²
Rt 0.6m²
L 0m²
V 5.35m²
Rk 12.3m²
 Revision Date: March 1, 2014

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

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Telegraph Creek-USGS County: LCC Date: 12/14/21 Investigators: William Miller
Diane Zeistad

Transect t (m) Point 1=right 9=left Algal Thickness Rank (N-6, X) Estimated Canopy Cover STORET Station Number: C755D0129

Transect t (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect t (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N	Y		60	1	N	Y	
	2	N	Y			2	N	Y	
	3	N	Y			3	N	Y	
	4	N	Y			4	N	Y	80
	5	N	Y	8		5	N	Y	
	6	N	Y			6	N	Y	
	7	N	Y			7	N	Y	
	8	N	Y			8	N	Y	
	9	N	Y			9	N	Y	
10	1	N	Y		70	1	N	Y	
	2	N	Y			2	N	Y	
	3	N	Y			3	N	Y	
	4	N	Y			4	N	Y	
	5	N	Y			5	N	Y	24
	6	N	Y	40		6	N	Y	
	7	N	Y			7	N	Y	
	8	N	Y			8	N	Y	
	9	N	Y			9	N	Y	
20	1	N	Y		80	1	N	Y	
	2	N	Y			2	N	Y	
	3	N	Y			3	N	Y	
	4	N	Y			4	N	Y	
	5	N	Y	40		5	N	Y	0
	6	N	Y			6	N	Y	
	7	N	Y			7	N	Y	
	8	N	Y			8	N	Y	
	9	N	Y			9	N	Y	
30	1	N	Y		90	1	N	Y	
	2	N	Y			2	N	Y	
	3	N	Y			3	N	Y	
	4	N	Y			4	N	Y	
	5	N	Y	56		5	N	Y	0
	6	N	Y			6	N	Y	
	7	N	Y			7	N	Y	
	8	N	Y			8	N	Y	
	9	N	Y			9	N	Y	
40	1	N	Y		100	1	N	Y	
	2	N	Y			2	N	Y	
	3	N	Y			3	N	Y	
	4	N	Y			4	N	Y	
	5	N	Y	52		5	N	Y	8
	6	N	Y			6	N	Y	
	7	N	Y			7	N	Y	
	8	N	Y			8	N	Y	
	9	N	Y			9	N	Y	
50	1	N	Y		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	Y						
	3	N	Y						
	4	N	Y						
	5	N	Y	46					
	6	N	Y						
	7	N	Y						
	8	N	Y						
	9	N	Y						

Secchi depth 0.6
 Estimated?

points ranked 4-6 0
 total points assessed 0
 % 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- 2021-12-13-42

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: Telegraph Creek Date: 12/14/21 County: Lee Storet Number: G3SD0129
 Analyst: Nicole Reinstad Signature: Nicole Reinstad

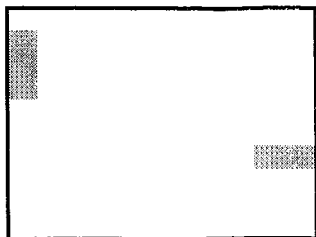
Comments:

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1m² 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.

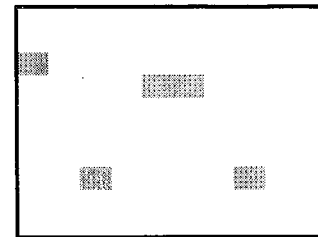
HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)	HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)					
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100			0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100						
<i>Alternanthera philoxeroides</i>	✓		✓	✓	✓	✓	✓	✓	✓	✓		<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>												<i>Schinus terebinthifolius</i>	✓															
												<i>Taxodium</i>	✓	✓														
												<i>leather fern</i>																
												<i>sawgrass</i>																
												<i>Wadelia</i>																
												<i>Quercus laurifolia</i>	✓															
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																												

Percent Cover Categories for macrophytes in a 10 m segment of a stream 5 m wide

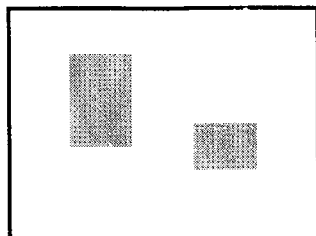
5% Macrophyte Coverage



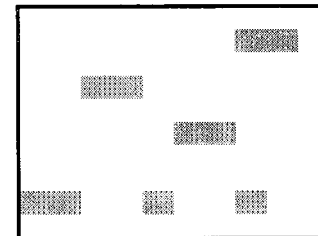
5% Macrophyte Coverage



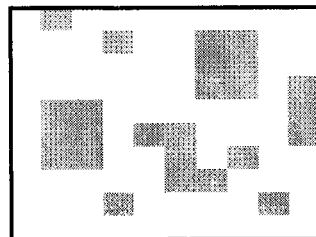
10% Macrophyte Coverage



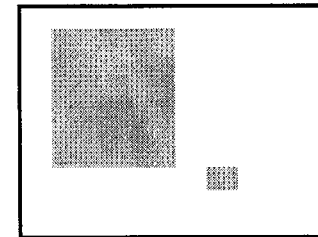
10% Macrophyte Coverage



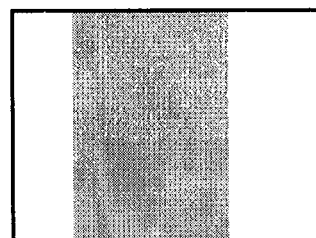
25% Macrophyte Coverage



25% Macrophyte Coverage



50% Macrophyte Coverage



50% Macrophyte Coverage

