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

SAMPLE ID: 81882
ORG ID: 21FLWQSP
LATITUDE: 30.14057 N
COUNTY: Bay
STORET #: 32030002
LONGITUDE: -85.40241
DATE: 1/20/2021
TIME: 1300
SAMPLING AGENCY: FDEP - AEQAS
SITE NAME: Sandy Creek @ 22
FIELD ID/NAME: SANDY 22 REF
RECEIVING BODY OF WATER: ~~FDF~~ East Bay of St. Andrews Bay
WBID 1111

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)
	75	25					

Landscape Development Intensity Index (LDI): 1.41

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: 718 Right Bank: 718

Hydrologic Modification Score (per FT 3101):

Typical Width (m) Depth (m)/Velocity (m/sec) Transect
7 m wide

.4 m/s	.4 m/s	.4 m/s
.7 m deep	.6 m deep	.4 m deep

High Water Mark: 1.0 (m) + .6 (above present water level) = 1.6 (present depth) (above bed)

Artificially Impounded ☐ Yes ☒ No

Artificially Channelized: ☒ No ☐ Some recovery ☐ Mostly recovered, more sinuous ☐ Recent, severe

Canopy Cover % variable ☒ Open ☐ Heavily Shaded ☐ Lightly Shaded (11-45%) ☒ Moderate Shaded (46-80%)

SEDIMENT / SUBSTRATE

Sediment Oils ☒ Absent ☐ Slight ☐ Moderate ☐ Profuse

Sediment Odors ☒ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify):

Smothering of Substrates

	None	Slight	Moderate	Severe
Sand Smothering:	☐	☒	☐	☐
Silt Smothering:	☐	☐	☒	☐
Algae Smothering:	☐	☐	☐	☐

SUBSTRATE TYPE

Assessment Tool: ☒ SCI ☒ RPS ☒ LVS 2 2m2 ☐ LCI ☐ BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)	2.7	5	
Undercut Banks / Roots	.6	5	
Leaf Packs or Mat	.5	5	
Aquatic Vegetation			
Rock or Shell Rubble			
Sand	90+	5	
Mud / Muck / Silt			
Other			
Other			

WATER QUALITY

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)
Top:	.1	13.8	6.71	9.37	90.7	24.6		VOB
Mid:								☒ VOB
Bottom								TOTAL DEPTH

Meter ID: YSI 154185 — TOTAL DEPTH: .56

Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐

Water Surface Oils Normal ☒ Sheen ☐ Globs ☐ Slick ☐ Other ☐

Water Sample Taken? ☒ Yes ☐ No
Sample Preserved? ☒ Yes ☐ No
Lot Number: see water form 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 ☐

ABUNDANCE

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

System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other(Specify) ☐

AMBIENT FIELD CONDITIONS / NOTES:
Sampled site downstream of bridge. bridge

☒ The antecedent hydrologic conditions have been met to my best knowledge.

SAMPLING TEAM O'Neal, Noble

SIGNATURE: Ashley O'Neal

DATE: 1/20/2021

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

SAMPLING AGENCY:		STORET STATION NUMBER:	DATE (MM/DD/YY):	RECEIVING BODY OF WATER:
FDEP / AEQAS		32030002	01/20/2021	East Bay / St. Andrews
REMARKS:	COUNTY: Bay	LOCATION: Sandy Creek		FIELD ID/NAME: SANDY22REF

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 13	Four or more major productive habitats present [snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock] 20 19 18 17 16	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags) 15 14 (13) 12 11	Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed 10 9 8 7 6	One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered 5 4 3 2 1
Substrate Availability 4	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 20 21.5 seconds .4 m/s	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 15 Primary Score 52	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 **Artificial Channelization** 18	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
Bank Stability Right Bank 8 Left Bank 8	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankful 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
Riparian Buffer Zone Width Right Bank 10 Left Bank 10	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
Riparian Zone Vegetation Quality Right Bank 10 Left Bank 10 Secondary Score 74	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

126 **TOTAL SCORE**

Date:	Analyst:	Signature:
1/20/2021	A O'Neal, S. Noble	Ashley O'Neal

snag

2.5
2.5
2.5
2.0
4.0
2.0
.5
1.0
2.0

19.0

Root

1.0
1.5
.5
.25
.25
.5
.25

4.25

~~3.0~~

19.0
4.25
3.0

26.25

26.25
700

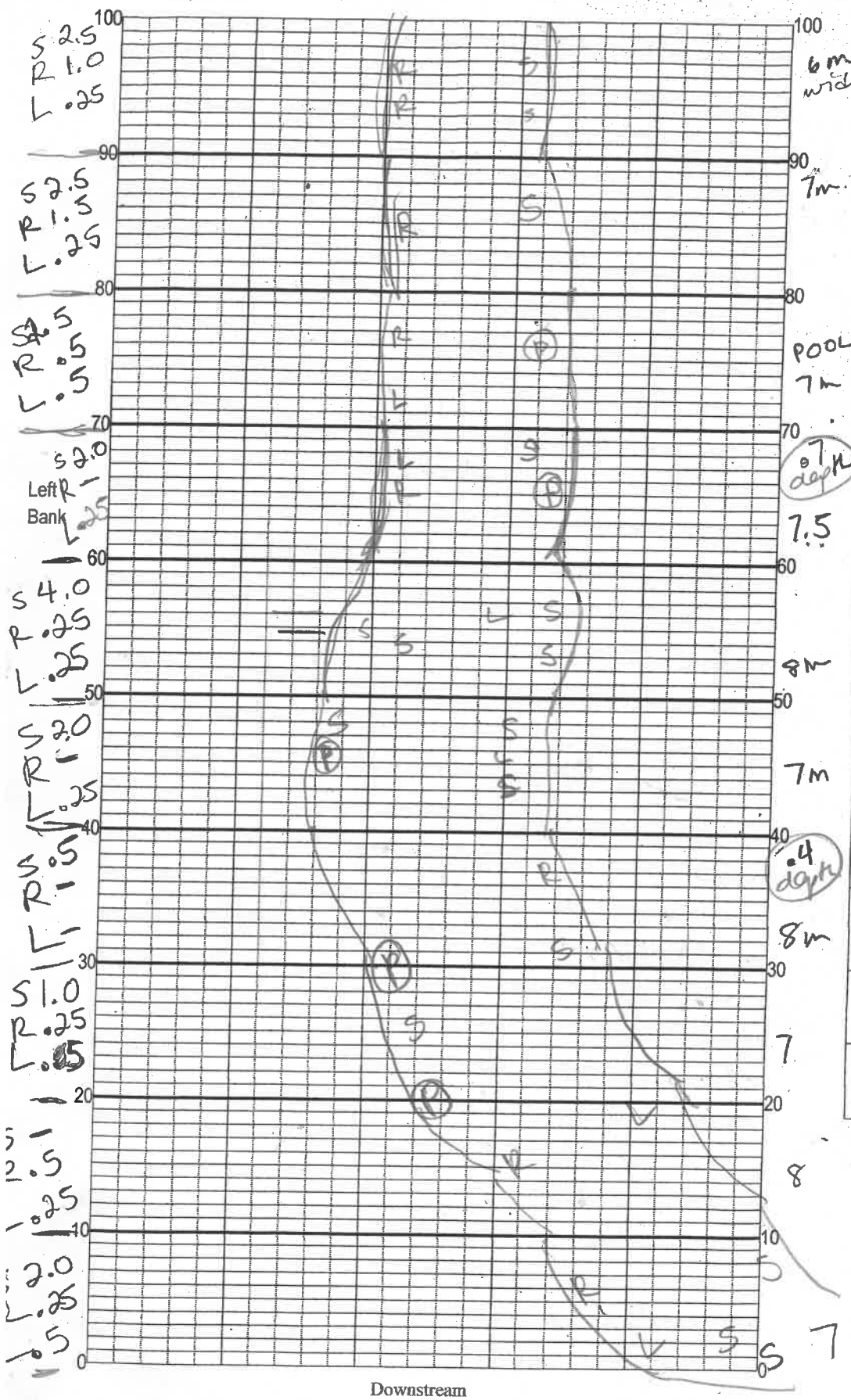
3.75

leaves

.25
.25
.5
.25
.25
.25
.5
.25
.5

3.0

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: Sandy Creek

Date: 1/20/2021

Sampler: A O'Neal

100 m: Latitude		
Longitude		
0 m: Latitude		
Longitude		

Substrates: Code key, draw proportionate habitat abundance. %

S	Snags	19 m²	2.7
R	Roots/undercut banks	4.25 m²	.6
L	Leaf Packs (or mats)	3.0	.5
	Aquatic Macrophytes		
(P)	Pools	total # observed = ____ # range expected = ____	

Average width 7 m

Average depth .56 m

Velocity measured at 100 meter mark. (and 40m)

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:

Cyrilla racemiflora
Acer rubrum
Vaccinium elliottii
Quercus (multiple)
.6 depth @ 0-10

Magnolia virginiana
Cliftonia monophylla

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Sandy Creek | County: BAY | Date: 1/20/2021 | Investigators: A ONeal S Noble

STORET Station Number: 32030002

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	N		
	3	N				3	N	✓	
	4	N				4	N	✓	
	5	N		0		5	N	✓	80
	6	N				6	N	✓	
	7	N				7	N	✓	
	8	N				8	N	✓	
	9	N				9	N		
10	1	N			70	1	N		
	2	N				2	N		
	3	N				3	N		
	4	N				4	N		
	5	N		8		5	N		86
	6	N				6	N		
	7	N				7	N		
	8	N				8	N		
	9	N				9	N		
20	1	N			80	1	N		
	2	N				2	N		
	3	N				3	N		
	4	N				4	N		
	5	N		4		5	N		24
	6	N				6	N		
	7	N				7	N		
	8	N				8	N		
	9	N				9	N		
30	1	N			90	1	N	✓	
	2	N				2	N		
	3	N				3	N		
	4	N				4	N		
	5	N		0		5	N		72
	6	N				6	N		
	7	N				7	N		
	8	N				8	N	✓	
	9	N				9	N	✓	
40	1	N			100	1	N		
	2	N				2	N		
	3	N				3	N		
	4	N				4	N		
	5	N	✓	3		5	N		20
	6	N	✓			6	N		
	7	4				7	N		
	8	4				8	N		
	9	N				9	N		
50	1	N							
	2	N							
	3	N							
	4	N							
	5	N		28					
	6	N	✓						
	7	N							
	8	N							
	9	N							

Secchi depth	VOB
Estimated?	

# points ranked 4-6	2
total points assessed	99
% points ranked 4-6	2%

Check accompanying data collected at same site/date.	
Algal mat sample	
Linear Veg Survey	✓ <2m²
Habitat Assessment	✓
SCI/Biorecon	✓
Water sample	✓
RQ-2021-01-18-40	

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%.

12A

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

32030002

Waterbody: Sandy Creek	Date: 11/20/2021	County: Bay	Storet Number: 7
Analyst: A. ONeal, S. Noble		Signature: Ashley ONeal	
Comments:			

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 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Alternanthera philoxeroides											
Bacopa caroliniana											
Bacopa monneri											
Bidens mitis											
Boehmeria cylindrica											
Centella asiatica											
Ceratophyllum demersum											
Chara											
Cicuta maculata											
Cladium jamaicense											
Colocasia esculenta											
Commelina diffusa											
Commelina virginica											
Crinum americanum											
Diodia virginiana											
Eichhornia crassipes											
Eleocharis (wispy viviparous)											
Hydrilla verticillata											
Hydrocotle											
Hygrophila polysperma											
Hymenocallis											
Lachnanthes caroliniana											
Landoltia punctata											
Lemna											
Limnophila sessiflora											
Ludwigia leptocarpa											
Ludwigia palustris											
Ludwigia peruviana											
Ludwigia repens											
Luziola fluitans											
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											

HERBACEOUS SPECIES	Meter Mark 0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	Specimen collected (check)
Micranthemum glomeratum											
Micranthemum umbrosum											
Myriophyllum aquaticum											
Najas guadelupensis											
Nuphar luteum											
Orontium aquaticum											
Panicum hemitomon											
Panicum repens											
Panicum rigidulum											
Pistia stratioides											
Polygonum glabra											
Polygonum hydropiperoides											
Polygonum punctatum											
Pontedaria cordata											
Potamogeton illinoensis											
Ruellia simplex											
Sacciolepis striata											
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus											
Sparganium americanum											
Typha											
Vallisneria americana											
Zizania aquatica											

RQ 2021-01-18-40

Form FD9000-28 Water Field Form 031306_FD9000-28.doc

SITE NAME: Sandy Creek **DATE:** 1/20/2021 **TIME** 1300 (military) (EST) CST **DEPTH^:** -.56 ft (m) **FIELD ID:** SANDY 22REF

SAMPLING TEAM MEMBERS	WQ MEASUREMENTS	DOCUMENTATION	SAMPLE COLLECTION	PRESERVATION	PRESERVATION CHECK
O'Neal		✓	✓		✓
Noble	✓			✓	

SAMPLING EQUIPMENT

- ☐ Sample Container
- ☐ Pole
- ☐ Pump ID#: ____
- ☐ Tubing type: ____
- ☐ Other ____
- ☐ Other

WATER QUALITY MEASUREMENTS

Instrument ID: YSI 154185

COLLECTION MODE

- ☒ Wading
- ☐ Diving
- ☐ From Shore
- ☐ Other ____

Via Boat
- ☐ Canoe
- ☐ Electric Motor
- ☐ Gasoline Motor

Parameter Suite	Parameter(s)/Method	Matrix Code*	Preservation**	Preservative Lot #	pH Check	# Bottles ***
Preserved Nutrients	☒TKN ☒TP ☒NOx ☒NH3 ☒TOC ☐Total N ☐Other:	S W	☒ Ice ☒ H_2SO_4	see below	☒<2	1
Filtered Nutrients	☒oP ☐Other:	S W	☒ Ice ☒ .45 um Filter			1
Unpreserved Nutrients	☐NO_2 ☐NO_3 ☐SO4 ☐Other:	W	☐ Ice			
Physical/Aggregate Properties	☒TDS ☒TSS ☐TS ☒Turbidity ☒Alk ☒Color ☐Other: W-Cl-IC, W-F, W-SO4-IC	S W	☒ Ice			1
Chlorophyll	☒CHL-PPTN-W	S W	☒ Ice			1
BOD	☐BOD-INHB ☐BOD-UNIN	W	☐ Ice			
Microbiology	MF: ☒ E coli ☐ T Coli ☐ F Coli ☐ Entero ☐ F Strep	S W	☒ Ice			1
Macroinvertebrates	☐ MI-FW-QLDC ☐ MI-FW-QLBR ☐ MI-FW-QNNC ☐ MI-MN-QNNC	W	☐Formalin			
Phytoplankton	☐PKD-QN-C ☐DTY-QN-C	W	☐Lugol's			
Periphyton	☐PRN-QL-C ☐DTM-QL-C ☐PRN-QN-C ☐DTM-QN-C	W	☐Formalin			
AGP	☐AA-AGP ☐AA-LIM-NUT	W	☐ Ice			
Metals	☒W-ICP ☐W-FIAS ☒W-ICPMS ☐W-ICP-Tr	S W	☒HNO_3	see below	☒<2	1
Filtered Metals	☐W-ICP-F ☐W-FIAS-F ☐W-ICPMS-F ☐W-ICP-Tr-F	W	☐HNO_3 ☐.45 um Filter		☐<2	
Mercury	☐W-HG-AF	W				
BaseNeutral / Acid Extractable	☐W-BNA ☐W-AE ☐W-BN ☐W-PAH	W	☐ Ice			
	☐W-FL-PRO ☐W ☐Other:	W	☐ Ice ☐ H_2SO_4		☐<2	
Pesticides	☐W-PEST-CL ☐W-PCB ☐W PEST-NP ☐W-PSCL-PCB	W	☐ Ice			
	☐W-NP-AA-SF ☐W-PC-AA-SF ☐W-PSHRB-NP ☐W-SLFN-UREA ☐ W-SULFN-LC ☒Other:	W	☐ Ice			
	☐W-ACIDHERB W-E8321-D1	S W	☒ Ice ~~☐ H_2SO_4~~			~~2~~ 1
	☐ W-CARB W-E8321-MS	S W	☒ Ice ☐ MCAA			
Purgeables	☐ W-VOC-MS	W	☐ Ice			
	☐W-VOC-MS-A	W	☐ Ice ☐ HCl			
Bioassay	Specify Test:	W	☐ Ice			
OTHER		W	☐ Other:			

Notes: other PCR-~~BACR~~ PCR-GFD PCR-HP183 } 1

~~or~~ W-PSNP-TQ 3

Contains: 1:1 HNO3
Lot No: NA0344060
Expires: 01/04/22
See Safety Data Sheet (SDS)

Contains: Conc. H2SO4
Lot No.: SA0293040
Expires: 10/19/21
See Safety Data Sheet (SDS,

Use one line f as ory) containers. Use separate sheet for field or laboratory duplicate or blank or ifferent water depth

^Enter "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)

Request Number: RQ-2021-01-18-40

Reference Stream Sampling

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: BSSP

Project ID: SCIREF

Requester: Sarah Noble

Collected By: Sarah Noble + Ashley O'Neal

Field Report Prepared By: A. O'Neal

Sampling Agency: FDEP

Location: Sandy Creek @ 22	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/20/2021 Time 1300 Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2): A, B
Field ID: SANDY 22 REF	Matrix (type, e.g., Salt, Fresh, etc): fresh surface water		Diss. Oxygen 9.37 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #: 32030002	Temp (C) 13.8	pH 6.71	Sample Depth .1 ☐ ft ☒ m	Sp. Conductance (umho/cm) 24.6		
Latitude 30.141057 ☒ dd ☐ dms	Longitude -85.407241 ☒ dd ☐ dms	Salinity (ppt)	Comments: SCI jugs 1/3 and 2/3 are properly preserved with formalin. Jug 3/3 has formalin, but possibly insufficie			
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:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Ashley O'Neal	1/21/2021 10:21	hand delivery	2		1/21/21 1021

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
A	P-1L	2	ICE	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
A	BP-1L	2	ICE	1
	CHLSUITE-W			
A	P-250ML-WO-THI	2	ICE	1
	ECOLI-18QT			
A	QPCR-P-500ML	2	ICE	1
	PCR-BACR PCR-GFD PCR-HF183			
A	BG-500ML	2	ICE	1
	W-E8321-DI W-E8321-MS			
A	P-500ML	2	HNO3	1
	W-ICP W-ICPMS			
A	P-500ML	2	ICE And H2SO4	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
A	P-125ML	2	FILTER-ICE	1
	W-PO4-F			
A	BG-1L	6	ICE	3
	W-PSNP-TQ			

Group: B | Bottle Type: PJ-2L | # of Bottles: 4 | Preservative: Formalin | **Enter Number of Bottles Sent to Lab** 3

MI-FW-QLDC