

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

SAMPLE ID 81759 ORG ID 21 FLWQSP LATITUDE 30.167392 N
 COUNTY WAKULLA STORET # 22020064 LONGITUDE -84.654714 W
 DATE 12/14/20 TIME 10:50 A SAMPLING AGENCY FDEP
 SITE NAME Smith Creek
 FIELD ID/NAME SMITH REF RECEIVING BODY OF WATER Ochlockonee River

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category): Forest/Natural <u>100</u> Silviculture <u>50</u> Field/Pasture <u>0</u> Agricultural <u>0</u> Residential <u>0</u> Commercial <u>0</u> Industry <u>0</u> Other (Specify) <u>0</u>								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>3</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>0</u>				0.17 m/s 0.29 m/s 0.18 m/s	
High Water Mark: <u> </u> + <u> </u> = <u> </u> (m) (above present water level) (present depth) (above bed)				Artificially Impounded ☐ Yes ☒ No				0.2 m deep 0.4 m deep 0.2 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 ☐
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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:		17.3	7.58	7.94	82.7	104.7					
Mid:									☒ VOB		
Bottom:											
Meter ID: <u>YSI 154185</u>				TOTAL DEPTH <u>0.4m</u>							
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: <u>4</u> Exp: <u>4</u>				Color Tannic ☒ Green (Algae) ☐ Clear ☐ Other (Specify) ☐							
Algae Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☐ No Lot Number: <u> </u> Exp: <u> </u>				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:
 * Lot #5 and expiration dates for preservatives on stickers on water form
☒ The antecedent hydrologic conditions have been met to my best knowledge.

SAMPLING TEAM J. Patronis, A. O'Neal **SIGNATURE:** [Signature] **DATE:** 12/14/20

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

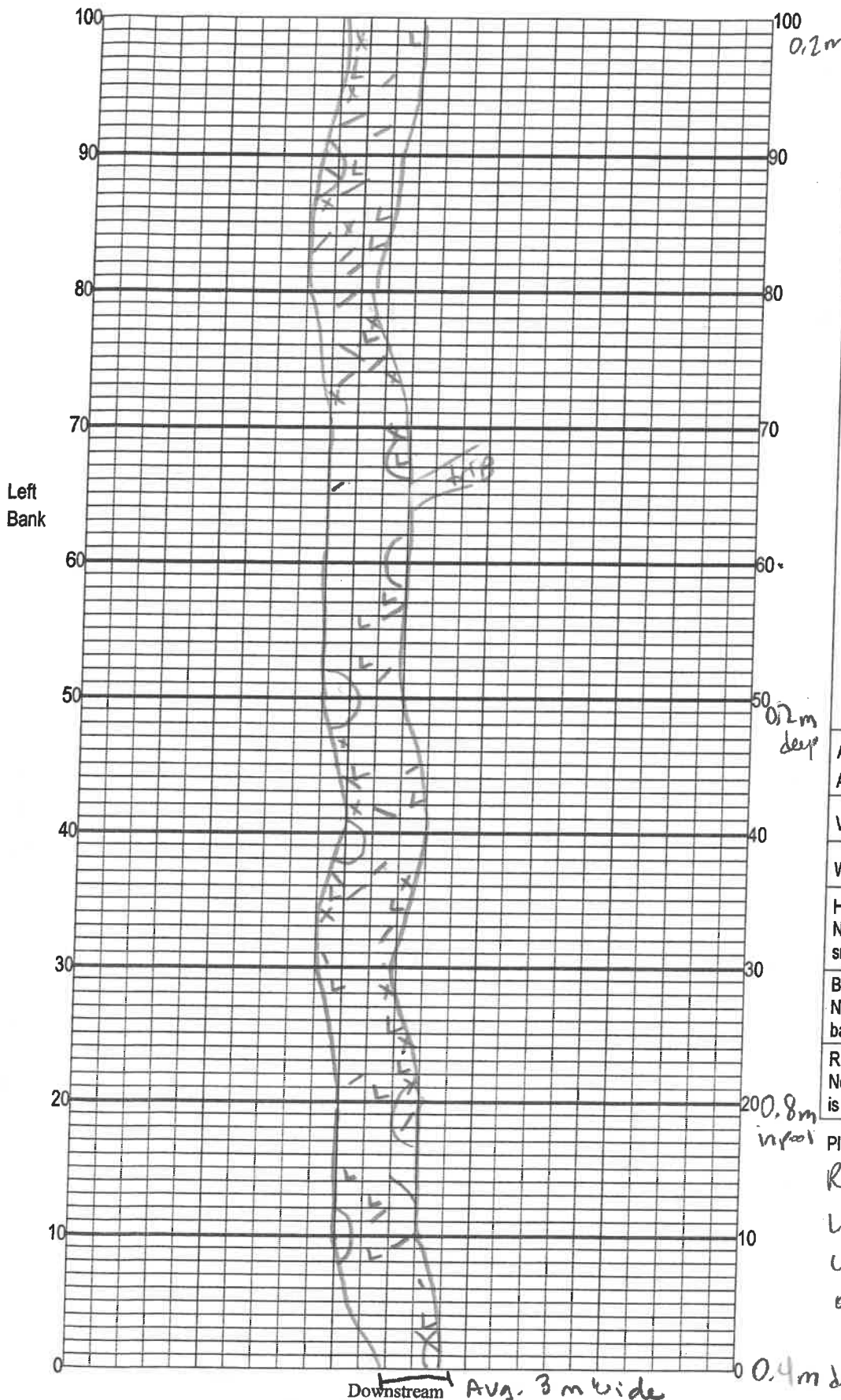
SAMPLING AGENCY: FDEP		STORET STATION NUMBER:	DATE (MM/DD/YY): 12/14/20	RECEIVING BODY OF WATER:
REMARKS:	COUNTY:	LOCATION: Smith Creek		FIELD ID/NAME:

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components Substrate Diversity 14	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 12	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 18	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 13 Primary Score 51	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 20	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 or straightening 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 9 Left Bank 9	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankfull to top of bank. Bankfull is within or above the woody 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 woody 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 13578	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

TOTAL SCORE

Date: 12/14/20	Analyst: J. Patronis, A. O'Neal	Signature: 
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DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet



Location: Smith Creek

Date: 12/14/20

Sampler: J. Patronis

100 m: Latitude 30.167392N
Longitude -84.654714W

0 m: Latitude _____
Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

☐ Snags 8

☒ Roots/undercut banks 3

☐ Leaf Packs (or mats) 6

☐ Aquatic Macrophytes _____

☐ _____

☐ _____

☐ Pools total # observed = 8
range expected = _____

Average width 3 m

Average depth 0.4 m

Velocity measured at 80 meter mark.

WQ & chemistry taken at 0-10 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:

Replaced flags w/ blue/white and moved stretch upstream ~50 m because of big deer pool area.

$$S = 25/300 = 8\%$$

$$L = 20/300 = 6.7\%$$

$$R = 9/300 = 3\%$$

$$\text{tot} = 17\%$$

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: <u>Smith Creek</u>					County:		Date: <u>12/14/20</u>		Investigators: <u>J. Patronis, A. D'Neel</u>		
STORET Station Number:											

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		90		5	N		96
	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		88		5	N		80
	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		96		5	N		99
	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		84		5	N		92
	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		80		5	N		94
	6	N				6	N		
	7	N				7	N		
	8	N				8	N		
	9	N				9	N		

Secchi depth	<u>VDR</u>
Estimated?	

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

Check accompanying data collected at same site/date.	
Algal mat sample	<u>N^o</u>
Linear Veg Survey	<u><2m²</u>
Habitat Assessment	<u>✓</u>
SCI/Biorecon	<u>SCI</u>
Water sample	<u>✓</u>
RQ-	

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

50	1	N			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			
	3	N			
	4	N			
	5	N		92	
	6	N			
	7	N			
	8	N			
	9	N			

Waterbody: <u>Smith Creek</u>	Date: <u>12/14/12</u>	County: <u>WAKULLA</u>	Storet Number:
Analyst: <u>A. O'Neal J. Patronis</u>	Signature: <u>Ashley O'Neal</u>		
Comments: <u>No plants in water</u>			

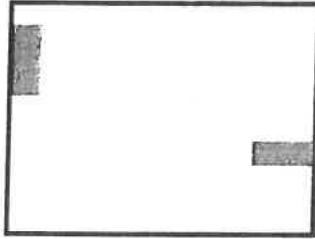
HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)	$42 m^2$ plants	HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100				0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	

Revision Date: January 2017

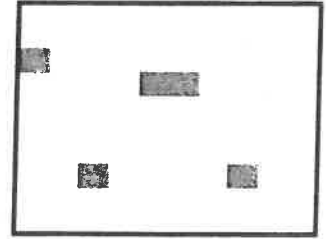
FDEP FORM FD 9000-32 LINEAR VEGETATION SURVEY FIELD SHEET

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

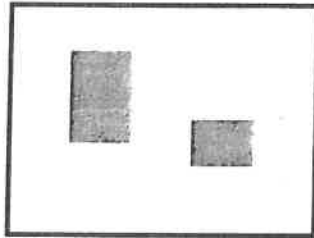
5% Macrophyte Coverage



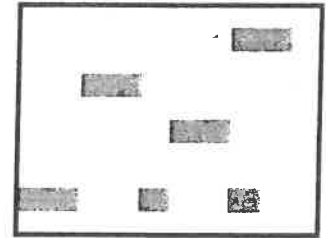
5% Macrophyte Coverage



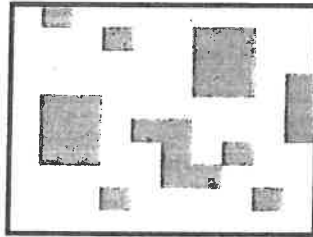
10% Macrophyte Coverage



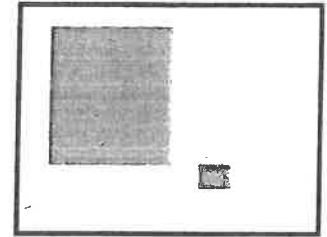
10% Macrophyte Coverage



25% Macrophyte Coverage



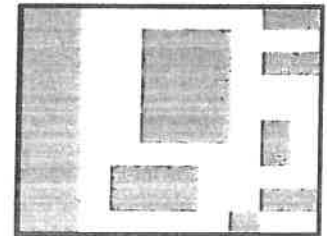
25% Macrophyte Coverage



50% Macrophyte Coverage



50% Macrophyte Coverage



SITE NAME: Smith Creek DATE: 12/14/20 TIME: 10:50 EST CST DEPTH: 1 m FIELD ID: SMITHCRK
 (military)

SAMPLING TEAM MEMBERS	WQ MEASUREMENTS	DOCUMENTATION	SAMPLE COLLECTION	PRESERVATION	PRESERVATION CHECK
Jessica Patronis		✓		✓	✓
Ashley O'Neal	✓		✓		

SAMPLING EQUIPMENT	
☒ Sample Container	☐ Tubing type: _____
☐ Pole	☐ Other _____
☐ Pump ID#: _____	☐ Other _____
WATER QUALITY MEASUREMENTS	
Instrument ID: _____	
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 ☐ Other: _____	SW	☒ Ice ☒ H ₂ SO ₄		☒ <2	1
Filtered Nutrients	☒ oP ☐ Other: _____	SW	☒ Ice ☒ .45 um Filter			1
Unpreserved Nutrients	☐ NO ₂ ☐ NO ₃ ☒ SO ₄ ☐ Other: _____	W	☐ Ice			1
Physical/Aggregate Properties	☒ TDS ☒ TSS ☐ TS ☒ Turbidity ☒ Alk ☒ Color ☐ Other: <u>W-CL-IC, W-F</u>	SW	☒ Ice			1
Chlorophyll	☒ CHL-PPTN-W	SW	☒ Ice			1
BOD	☐ BOD-INHB ☐ BOD-UNIN	W	☐ Ice			
Microbiology	MF: ☒ E coli ☐ T Coli ☐ F Coli ☐ Enteroc ☐ F Strep	SW	☒ Ice			1
Macroinvertebrates	☒ MI-FW-QLDC ☐ MI-FW-QLBR ☐ MI-FW-QNNC ☐ MI-MN-QNNC	SW	☒ Formalin			3
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	W	☐ HNO ₃		☐ <2	
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				
Base/Neutral / Acid Extractable	☐ W-BNA ☐ W-AE ☐ W-BN ☐ W-PAH ☐ W-FL-PRO ☐ W ☐ Other: _____	W	☐ Ice ☐ H ₂ SO ₄		☐ <2	
Pesticides	☐ W-PEST-CL ☐ W-PCB ☐ W-PEST-NP ☐ W-PSCL-PCB ☐ W-NP-AA-SF ☐ W-PC-AA-SF ☐ W-PSHRB-NP ☐ W-SLFN-UREA ☐ W-SULFN-LC ☐ Other: _____ <u>W-PSNP-TR</u> ☐ W-ACIDHERB ☐ W-CARB	W	☐ Ice ☐ H ₂ SO ₄ ☐ Ice ☐ MCAA			4
Purgeables	☐ W-VOC-MS ☐ W-VOC-MS-A	SW	☒ Ice			
Bioassay	Specify Test: _____	W	☐ Ice ☐ HCl			
OTHER	PCR-BACR; PCR-HF183 E8321-D1; W-E8321-MS	SW	☒ Contains: 1:1 H ₂ SO ₄ Lot No.: SA0038110 Expires: 02/07/21 See Safety Data Sheet (SDS)			1

Notes: _____

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

Field Report Prepared By: Jessica Paton
Sampling Agency: FDDEP

Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Time	☒ Eastern Central ☐ Central	Composite end Date	Time	Bottle Group(s)
Field ID	Smith Creek		12/14/20	10:50				(See pg 2)
WIN/STORET #	SMTA REF		Fresh	Diss. Oxygen	☒ mg/L Total Res. Chlorine ☐ % sat (mg/L)			A, B
Latitude	22020064	☐ dd ☐ dms	Temp (C) 17.3	pH 7.58	Sample Depth 1	☒ ft ☐ m	Sp. Conductance (umho/cm) 104.7	
Longitude	-84.654714 W	☐ dd ☐ dms	Salinity (ppt)	Comments				
Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	☒ Eastern Central ☐ Central	Composite end Date	Time	Bottle Group(s)
WIN/STORET #			Matrix (Type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L Total Res. Chlorine ☐ % sat (mg/L)			
Latitude		☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Longitude		☐ dd ☐ dms	Salinity (ppt)	Comments				
Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	☒ Eastern Central ☐ Central	Composite end Date	Time	Bottle Group(s)
WIN/STORET #			Matrix (Type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L Total Res. Chlorine ☐ % sat (mg/L)			
Latitude		☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Longitude		☐ dd ☐ dms	Salinity (ppt)	Comments				
Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	☒ Eastern Central ☐ Central	Composite end Date	Time	Bottle Group(s)
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Latitude		☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Longitude		☐ dd ☐ dms	Salinity (ppt)	Comments				
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Longitude		☐ dd ☐ dms	Salinity (ppt)	Comments				
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Latitude		☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Longitude		☐ dd ☐ dms	Salinity (ppt)	Comments				
Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	☒ Eastern Central ☐ Central	Composite end Date	Time	Bottle Group(s)
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Latitude		☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Longitude		☐ dd ☐ dms	Salinity (ppt)	Comments				
Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	☒ Eastern Central ☐ Central	Composite end Date	Time	Bottle Group(s)
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Latitude		☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
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WIN/STORET #			Matrix (Type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L Total Res. Chlorine ☐ % sat (mg/L)			
Latitude		☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Longitude		☐ dd ☐ dms	Salinity (ppt)	Comments				
Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	☒ Eastern Central ☐ Central	Composite end Date	Time	Bottle Group(s)
WIN/STORET #			Matrix (Type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L Total Res. Chlorine ☐ % sat (mg/L)			
Latitude		☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Longitude		☐ dd ☐ dms	Salinity (ppt)	Comments				
Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	☒ Eastern Central ☐ Central	Composite end Date	Time	Bottle Group(s)
WIN/STORET #			Matrix (Type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L Total Res. Chlorine ☐ % sat (mg/L)			

Relinquished By: <i>Angela</i>	Date/Time <i>12/14/ 3:36</i>	Shipping Method <i>hand delivery</i>	Number of Coolers Shipped: <i>2</i>	Received By: <i>[Signature]</i>	Date/Time <i>12/14/20 1538</i>
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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	1
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: PCR-BACR PCR-HF183	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
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	1
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4

Group: B

Bottle Type:	PJ-2L	# of Bottles:	2	Preservative:	Formalin	Enter Number of Bottles Sent to Lab
MI-FW-QLDC						3

