



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION WATER QUALITY MONITORING PROGRAM FIELD SHEET

Field ID:
Win ID:



21020063

January 2018

Data Qualified?

Yes / No

Date: 4 / 17 / 2018
(mm/dd/yyyy)

HUNTERS CREEK AT SR 135

WBID: 3364

Latitude: 30.48528

(Decimal Degrees)

ORG ID: 21FLA

Longitude: 82.71288

(Decimal Degrees)

County: Hamilton

Receiving Body of Water: Suwannee River

RQ-2018-04-16-11

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
J. Parrish A. Kalmbacher				X	X				☒ Sample Container	☐ Van Dorn	☒ Pole	
									☐ Carboy	☐ Syringe		
									☐ Dipper	☐ Other		
									Depth Measured with meter			
									Equipment ID Ortho 44			
									Collection Method			
									☐ Wading	☐ Canoe/Kayak		
									☒ From Shore	☐ Electric Motor		
									☐ Other	☐ Gasoline Motor		
Water Level: Dry/ Pooled/ Low / Normal / High / Flooded				Meter ID# YSI 11				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 (umhos/cm)	Temp. (C°)		
EST	0940	0.3	.15	0.3	7.8	77	5.4	0.03	68	15.1		
CEN				S								
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 ☒ H2SO4	SA7341020		☒ <2				
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3	R7EA12511		☐ <2				
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice							
Chlorophyll	☒ CHLSUITE-W				☒ Ice							
Physical/Aggregate (Fresh)	☒ Alkalinity / ☒ W-F / ☒ W-TSS / ☒ TURBIDITY / ☒ W-CI-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							

Notes:		Place Label Here	
Signature: A. Kalmbacher		Date: 4-17-2018	

78332

Waterbody: <u>Hunters Creek</u>	Date: <u>4-17-13</u>	County: <u>Hamilton</u>	Storet Number:
Analyst: <u>J. Parrish / A. Kalmbacher</u>	Signature: <u>[Signature]</u>		
Comments:			

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.

[illegible]

(X) 78332
DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet

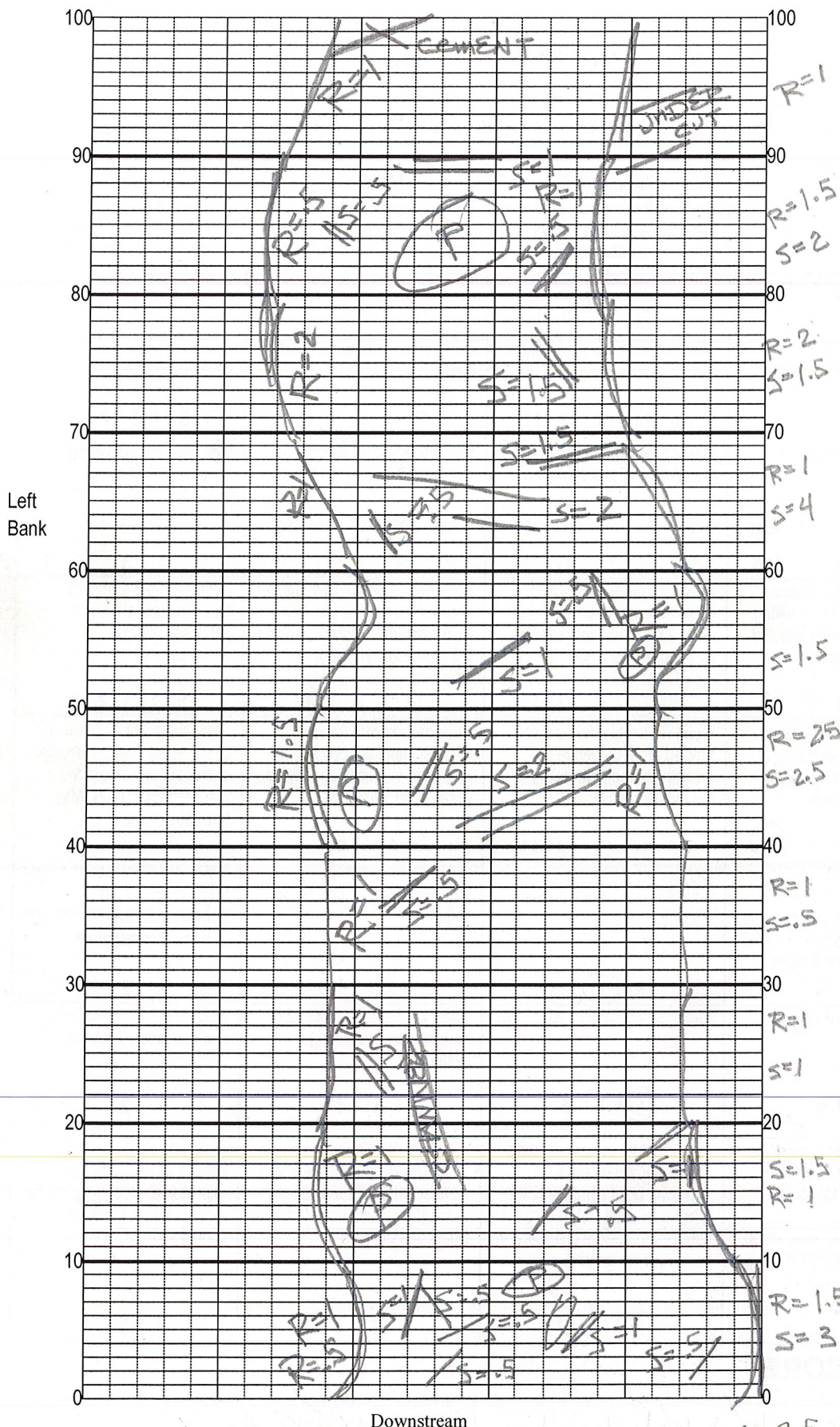
SAMPLING AGENCY: NE ROC		STORET STATION NUMBER: 21020063	DATE (MM/DD/YY): 4-17-2018	RECEIVING BODY OF WATER: Sawannee R
REMARKS:	COUNTY: Hamilton	LOCATION: Hunters Crk @ SR 135	FIELD ID/NAME:	

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>8</u>	20 19 18 17 16	15 14 13 12 11	10 9 <u>8</u> 7 6	5 4 3 2 1
Substrate Availability <u>7</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 <u>7</u> 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 <u>20</u> 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>14</u> Primary Score <u>149</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 <u>14</u> 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.	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>16</u>	20 19 18 17 <u>16</u>	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bank Stability Right Bank <u>6</u> Left Bank <u>7</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 9	Only meets 2 of the 3 requirements for optimal bank stability. 8 <u>7</u> <u>6</u>	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>10</u> Left Bank <u>8</u>	Width of vegetation greater than 18 m <u>10</u> 9	Width of vegetation >12 to 18m <u>8</u> 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 <u>9</u> Left Bank <u>8</u> Secondary Score <u>64</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. <u>8</u> 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

113 TOTAL SCORE

Date: <u>4-17-2018</u>	Analyst: <u>J. Parrish / A. Kalmbacher</u>	Signature: <u>[Signature]</u>
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DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet



Location: Hunters Crk @ SR
 Date: 4-17-2018
 Sampler: J. Parrish / A. Kelmacher

100 m: Latitude 30.48528
 Longitude 82.71288
 0 m: Latitude _____
 Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

☒ S	Snags	17.5	8.7	2.4
☒ R	Roots/undercut banks	12.5	6.2	1.7
☐	Leaf Packs (or mats)			
☐	Aquatic Macrophytes			N/A
☐				
☐				
☐	Pools	total # observed = _____		
		# range expected = _____		

Average width 3.5 m
 Average depth 0.3 m

Velocity measured at 0 meter mark. $.3-.4 = .35$

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:

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

$.3-.4$ m/sec
 $d = .3-.4$

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

78332 (AK)

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Hunters Crk @ SR 135 County: Hamilton Date: 4-17-2018 Investigators: J. Parrish / A. Kalmbacher

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	N		60	1	N	N	
	2					2			
	3					3			
	4					4			
	5			96		5			96
	6					6			
	7					7			
	8					8			
	9					9			
10	1	N	N		70	1	N	N	
	2					2			
	3					3			
	4					4			
	5			96		5			96
	6					6			
	7					7			
	8					8			
	9					9			
20	1	N	N		80	1	N	N	
	2					2			
	3					3			
	4					4			
	5			96		5			96
	6					6			
	7					7			
	8					8			
	9					9			
30	1	N	N		90	1	N	N	
	2					2			
	3					3			
	4					4			
	5			96		5			96
	6					6			
	7					7			
	8					8			
	9					9			
40	1	N	N		100	1	N	N	
	2					2			
	3					3			
	4					4			
	5			80		5			60
	6					6			
	7					7			
	8					8			
	9					9			
50	1	N	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								
	3								
	4								
	5			90					
	6								
	7								
	8								
	9								

Secchi depth 0.35
Estimated? NO

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

Check accompanying data collected at same site/date.

Algal mat sample
Linear Veg Survey
Habitat Assessment
SCI/Biorecon
Water sample
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

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

SAMPLE ID _____ ORG ID 21FLA LATITUDE 30.48528
COUNTY Hamilton STORET # 21020063 LONGITUDE 82.71288
DATE 4-17-2018 TIME 940 SAMPLING AGENCY FDEP
SITE NAME Hunters Creek @ SR 135
FIELD ID/NAME _____ RECEIVING BODY OF WATER Suwannee River

RIPARIAN ZONE / STREAM FEATURES

Meter ID: YSI 11

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category): Forest/Natural ☐ Silviculture ☐ Field/Pasture ☐ Agricultural ☐ Residential ☐ Commercial ☐ Industry ☐ Other (Specify) ☐							Landscape Development Intensity Index (LDI) ☐
Local Watershed Erosion (select one): ☒ None ☐ Slight ☐ Moderate ☐ Heavy							Typical Width (m) Depth (m)/Velocity (m/sec) Transect <u>3.5</u> m wide <u>0.35</u> m/s <u>0.3</u> m deep
Local Watershed NPS Pollution: ☒ No evidence ☐ Slight ☐ Moderate ☐ Heavy							
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) ☐			
High Water Mark: <u>0.8</u> + <u>0.3</u> = <u>1.1</u> (m) (above present water level) (present depth) (above bed)				Artificially Impounded ☐ Yes ☒ No			
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 % Coverage Woody Debris (Snags) <u>2.4</u> Undercut Banks / Roots <u>1.7</u> Leaf Packs or Mat <u>1</u> Aquatic Vegetation <u>N/A</u> Rock or Shell Rubble.. <u>0.4</u> Sand..... <u>0.4</u> Mud / Muck / Silt <u>0.4</u> Other <u>0.4</u> Other <u>0.4</u>			WATER QUALITY Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat (%) Cond. (UMHO/CM) Salinity (PPT) SECCHI (M) Top: <u>0.15</u> <u>15.1</u> <u>5.4</u> <u>7.8</u> <u>77</u> <u>68</u> <u>0.03</u> <u>0.38</u> Mid: <u>0.15</u> <u>15.1</u> <u>5.4</u> <u>7.8</u> <u>77</u> <u>68</u> <u>0.03</u> <u>0.38</u> Bottom: <u>0.15</u> <u>15.1</u> <u>5.4</u> <u>7.8</u> <u>77</u> <u>68</u> <u>0.03</u> <u>0.38</u> System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other(Specify) _____ Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐ Water Sample Taken? ☒ Yes ☐ No Sample Preserved? ☐ Yes ☐ No Lot Number: _____ Exp: _____ Algae Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☒ No Lot Number: _____ Exp: _____ Water Surface Oils Normal ☒ Sheen ☐ Globs ☐ Slick ☐ Other ☐ 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: <u>Recent Rain up 0.1-0.2 meters</u> 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 / A. Kalmbacher

SIGNATURE

A. Kalmbacher

Request Number: RQ-2018-04-16-11
Suwannee North 2

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: NE-DIST
Project ID: SMP

Requester: Jeremy M. Parrish
Collected By: J. Parrish

Field Report Prepared By: A. K. Baker
Sampling Agency: FDEP/NE ROC

Field ID: 
Win ID: 21010032

ROCKY CREEK @ WOODPECKER ROAD
(SR 135)

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Temp (C) 14.3 pH 4.06
Salinity (ppt) 0.04

Matrix (type, e.g., Salt, Fresh, etc)
Sample Depth 0.3
Diss. Oxygen 7.2
Sp. Conductance (umho/cm) 95

Bottle Group(s)
(See pg 2)

Field ID: 
Win ID: 21010033

LITTLE CREEK AT US 441

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Temp (C) 15.2 pH 4.15
Salinity (ppt) 0.04

Matrix (type, e.g., Salt, Fresh, etc)
Sample Depth 0.3
Diss. Oxygen 7.5
Sp. Conductance (umho/cm) 86

Bottle Group(s)

Field ID: 
Win ID: 21020063

HUNTERS CREEK AT SR 135

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Temp (C) 15.1 pH 5.4
Salinity (ppt) 0.03

Matrix (type, e.g., Salt, Fresh, etc)
Sample Depth 0.15
Diss. Oxygen 7.8
Sp. Conductance (umho/cm) 68

Bottle Group(s)

Field ID: 
Win ID: 21010064

FALLING CREEK @ US 441

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Temp (C) 14.7 pH 6.08
Salinity (ppt) 0.04

Matrix (type, e.g., Salt, Fresh, etc)
Sample Depth 0.30
Diss. Oxygen 7.2
Sp. Conductance (umho/cm) 76

Bottle Group(s)

Relinquished By: 
Date/Time: 4-17-2018

Shipping Method: FedEx

Number of Coolers Shipped: 2

Received By:

Date/Time

Alumni leaders
FDB/NE ROL

Bottle
Case(s)[illegible]

Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	0.03	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)			Dis. 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	Dis. Oxygen			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)			Dis. Oxygen			
WIN/STORET #				Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Dis. Oxygen			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)			Dis. Oxygen			
WIN/STORET #				Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Dis. Oxygen			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)			Dis. Oxygen			
WIN/STORET #				Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Dis. Oxygen			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)			Dis. Oxygen			
WIN/STORET #				Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Dis. Oxygen			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)			Dis. Oxygen			
WIN/STORET #				Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Dis. Oxygen			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)			Dis. Oxygen			
WIN/STORET #				Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Dis. Oxygen			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)			Dis. Oxygen			
WIN/STORET #				Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Dis. Oxygen			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)			Dis. Oxygen			
WIN/STORET #				Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Dis. Oxygen			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)			Dis. Oxygen			
WIN/STORET #				Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Dis. Oxygen			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)			Dis. Oxygen			
WIN/STORET #				Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Dis. Oxygen			
Field ID				Matrix (type, e.g						

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: NE-ALS-ECQ	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: PCR-FILTER	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# 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
Group: B	Bottle Type: PCR-BACR PCR-FILTER	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab

→ Sent to contract lab

Group: C	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: C	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: C	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	NE-ALS-ECQ						
Group: C	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: C	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						

4 Sent to contract lab



SR #	AI \$ Contact: Jerry Allen
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