FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

PAGE 1 OF 1

Reference stream

Data Qualified? Yes / No

STORET Station Name: Peters cr @ 16 Date: 5/26/2016 (mm/dd/yyyy)

STORET Station ID: 20030403 Latitude: 29.98278 (Decimal Degrees)

WBID: 2444 RQ-2016-05-23-12 ORG ID: 21 FLA Longitude: 81.75675 (Decimal Degrees)

Receiving Body of Water: Black Creek Field ID: County:

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J Ramch		✓	✓		
B Davis		✓		✓	

Sampling Equipment

- [x] Sample Container
- [ ] Carboy
- [ ] Dipper
- [ ] Van Dorn
- [ ] Syringe
- [ ] Other
- [ ] Pole

Equipment ID

Collection Method

- [x] Wading From
- [x] Shore
- [ ] Other (note below)

Via Boat
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: Dry / Low / Normal / High / Flooded

Meter ID# ~~Hydrolab~~ YSI 556 Photos: Yes / No

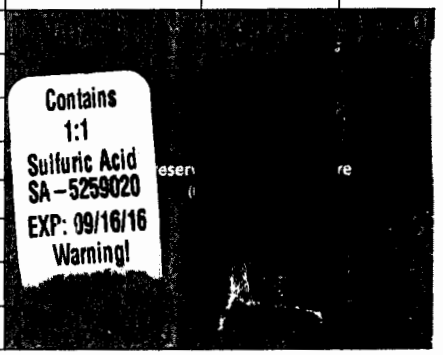
Matrix: Fresh / Marine / DI

Tide Falling: Yes / No / ~~NA~~

Time Zon	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT	pH	Salinity (ppt)	Secchi Disk(m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	850	0.1	0.4	6.54	69.2	7.83	0.03	VOB	73	19.58
CEN										

Biological Samples Collected: None HA SCI LVS RPS LVI Other

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4			[ ] <2
Metals	[x] W-ICPMS [ ] W-ICP	[x] Ice [x] HNO_3			[ ] <2
Filtered Nutrients	[x] W-PO4-F [ ] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
BOD	[ ] BOD-UNIN	[ ] Ice			
Physical/Aggregate (Kit A)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Kit B)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[x] MI-FW-QLDC	[ ] Formalin			
Microbiology	[x] E Coli [x] F Coli [x] Entero [x] QPCR	[x] Ice			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-AHERB-AA [ ] W-PYR-AA-R [ ] W-PC-AA-SF [ ] W-UHERB-AA [ ] W-GLYPH	[ ] Ice [ ] Other			



Notes:

Cooper Murphy 904-545-9693

Place Label Here (If Available)

Signature: Date: 5/26/16

Field Parameters Entered into LIMS: JP 5/27/16 (Initials/Date) Field Parameters QC in LIMS: (Initials/Date)

Date Migrated to STORET: JP 9/8/2016 (Initials/Date) Field Sheets Scanned/Saved: (Initials/Date)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

PAGE ____ OF ____

Data Qualified? Yes / No

STORET Station Name: _____ Date: ___ / ___ / 2016 (mm/dd/yyyy)

STORET Station ID: _____ Latitude: _____ (Decimal Degrees)

WBID: _____ RQ -2016- _____ ORG ID: 21 FLA Longitude: _____ (Decimal Degrees)

Receiving Body of Water: _____ Field ID: _____ County: _____

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check

Sampling Equipment

- ☐ Sample Container
- ☐ Carboy
- ☐ Dipper
- ☐ Van Dorn
- ☐ Syringe
- ☐ Other _____
- ☐ Pole

Equipment ID _____

Collection Method

- ☐ Wading From
- ☐ Shore
- ☐ Other (note below)

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

Water Level: Dry / Low / Normal / High / Flooded

Matrix: Fresh / Marine / DI

Meter ID#

Photos: Yes / No

Tide Falling: Yes / No / NA

Time Zon	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C^0)
EST										
CEN										

Biological Samples Collected: None HA SCI LVS RPS LVI Other _____

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H_2SO_4			☐ <2
Metals	☐ W-ICMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
Chlorophyll	☐ CHLSUITE-W	☐ Ice			
BOD	☐ BOD-UNIN	☐ Ice			
Physical/Aggregate (Kit A)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Kit B)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Periphyton	☐ ALGAE-ID	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Place Preservative Sticker(s) Here (If Available)

Notes:

Place Label Here (If Available)

Signature:

Date:

Field Parameters Entered into LIMS: _____ (Initials/Date)

Field Parameters QC in LIMS: _____ (Initials/Date)

Migrated to STORET: _____ (Initials/Date)

Field Sheets Scanned/Saved: _____ (Initials/Date)

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

SAMPLE ID _____ ORG ID 21 FLA LATITUDE 29 58 58.0
COUNTY Clay STORET # 20030403 LONGITUDE 81 45 24.3
DATE 5/26/16 TIME 850 SAMPLING AGENCY NE ROC
SITE NAME Peters @ 16
FIELD ID/NAME _____ RECEIVING BODY OF WATER Black Creek

RIPARIAN ZONE / STREAM FEATURES

Meter ID:

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) : [X] None [ ] Slight [ ] Moderate [ ] Heavy

Local Watershed NPS Pollution : [X] No evidence [ ] Slight [ ] Moderate [ ] Heavy

Width of Riparian Vegetation (m) on Each Buffer Side
Left Bank : 18 Right Bank : 18

Hydrologic Modification Score (per FT 3101) 3

High Water Mark: 0.8 (m) + 0.4 (above present water level) = 1.1 (present depth) (above bed)

Artificially Impounded [ ] Yes [X] No

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

m/s	0.25 m/s	m/s
m deep	0.4 m deep	m deep

Artificially Channelized : [X] No [ ] Some recovery [ ] Mostly recovered, more sinuous [ ] Recent, severe

Canopy Cover % [ ] Open [ ] Lightly Shaded (11-45%) [X] Heavily Shaded [ ] Moderate Shaded (46-80%)

SEDIMENT / SUBSTRATE

Sediment Oils [X] Absent [ ] Slight [ ] Moderate [ ] Profuse

Sediment Odors [X] Normal [ ] Sewage [ ] Petroleum [ ] Chemical [ ] Anaerobic [ ] Other (Specify) :

Smothering of Substrates

	None	Slight	Moderate	Severe
Sand Smothering:	[ ]	[ ]	[ ]	[X]
Silt Smothering:	[ ]	[ ]	[ ]	[X]
Algae Smothering:	[X]	[ ]	[ ]	[ ]

SUBSTRATE TYPE

Assessment Tool: [X] SCI [X] RPS [X] LVS [ ] LCI [ ] BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)	7	5	
Undercut Banks / Roots	3.5	5	
Leaf Packs or Mat	1?	2	
Aquatic Vegetation	8	5	
Rock or Shell Rubble..			
Sand.....	80	3	
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)
Top :							
Mid:	0.2	19.6	7.8	6.3	69	73	0.03
Bottom	0.4						

SECCHI (M): VOB
TOTAL DEPTH: 0.4

System Type: [X] Stream [ ] Lake [ ] Wetland [ ] Estuary [ ] Other(Specify) _____

Water Odors [X] Normal [ ] Petroleum [ ] Sewage [ ] Chemical [ ] Other

Water Surface Oils [X] Normal [ ] Sheen [ ] Globs [ ] Slick [ ] Other

Water Sample Taken? [X] Yes [ ] No
Sample Preserved? [X] Yes [ ] No
Lot Number: _____ Exp: _____

Color [ ] Tannic [ ] Green (Algae) [ ] Clear [X] Other (Specify) _____

Algae Sample Taken? [ ] Yes [X] No
Sample Preserved? [ ] Yes [ ] No
Lot Number: _____ Exp: _____

Clarity [X] Clear [ ] Slightly Turbid [ ] Turbid [ ] Opaque

ABUNDANCE

	Not Obs.	Rare	Common	Abundant
Periphyton:	[ ]	[X]	[ ]	[ ]
Fish:	[ ]	[ ]	[ ]	[X]
Aquatic Plants:	[ ]	[ ]	[ ]	[X]
Iron/Sulfur Bacteria:	[ ]	[X]	[ ]	[ ]

AMBIENT FIELD CONDITIONS / NOTES:
Sporangium in creek > 2m

Hydrologic Disturbance Scoring [ ] 1-2 [X] 3-4 [ ] 5-6 [ ] 7-8 [ ] 9-10

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

SAMPLING TEAM _____ 5/26/16

SIGNATURE : _____

62-160.800, F.A.C.

Revision Date: March 1, 2014

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site:	County:	Date:	Investigators:
Peters @ 16	Clay	5/26/16	

STORET Station Number:

Transect (m)	Point 1=right	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N	N	
	2			
	3			
	4			
	5			92
	6			
	7			
	8			
	9			
10	1	N	N	
	2			
	3			
	4	X		
	5			96
	6	X		
	7	X		
	8	N		
	9	N		
20	1	N	N	
	2			
	3			
	4	X		
	5			96
	6	X		
	7	X		
	8	N		
	9	N		
30	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			
40	1	N	N	
	2			
	3			
	4			
	5			90
	6			
	7			
	8			
	9			
50	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			

Transect (m)	Point 1=right	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
60	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8		N	
	9	N		
70	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9	N		
80	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9	N		
90	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9	N		
100	1	N	N	
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			

Secchi depth	—
Estimated?	

# points ranked 4-6	0
total points assessed	96
% points ranked 4-6	0

Check accompanying data collected at same site/date.	
Algal mat sample	
Linear Veg Survey	X
Habitat Assessment	X
SCI/Biorecon	X
Water sample	

RQ- 2016-05-23-12

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%.

#76162 (AK)

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 NE		20030403	5/26/16	Black Creek
REMARKS:	COUNTY: Clay	LOCATION: Peters Creek @ 16		FIELD ID/NAME:

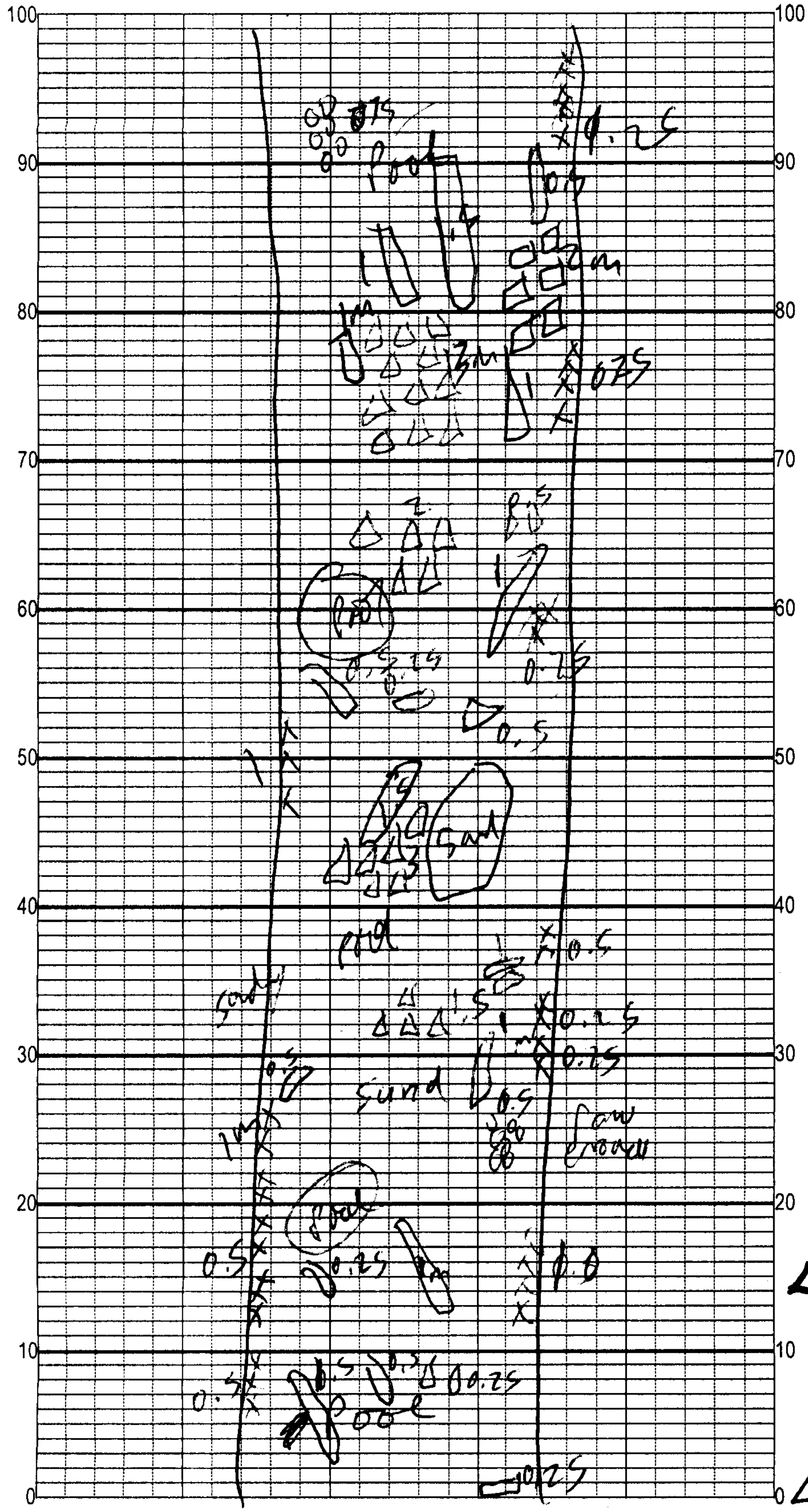
Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 15	Four or more major productive habitats present [snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock] 20 19 18 17 16	Three major productive habitats present. Adequate habitat. 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 13	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 15	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
13 14				
Habitat Smothering 14 Primary Score 57	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 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 5 Left Bank 9	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 16	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 70	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

127 **TOTAL SCORE**

Date: 5/26/16	Analyst: J Rinsh	Signature:

DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet

Left Bank



Downstream

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

0.4 depth

Location: [illegible] @ 16

Date: 5/26/16

Sampler: JP

100 m: Latitude	
Longitude	
0 m: Latitude	
Longitude	

Substrates: Code key, draw proportionate habitat abundance.

		%
	Snags	7
	Roots/undercut banks	3
	Leaf Packs (or mats)	<1
	Aquatic Macrophytes	8
	Pools	total # observed = ____ # range expected = ____

Average width ________ m
Average depth ________ m

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.

Plants observed / other notes:

<2m observed while doing LUS?
x = 6.25 = 3%
Snag = 14m = 7%
Δ = ~~0.25~~ 28m = 8%
Leaf pack = 0.5 <2m = 1%
2 include
0.29 flow 200

62-160.800, F.A.C

Revision Date: March 1, 2014

2 = 1% 6 = 3% 10 = 5 16
4 = 2% 8 = 4 12 = 6 14
14 = 7

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

Waterbody: Peterson @ 16 | Date: 5/26/16 | County: Clay | Storet Number: 20030403

Analyst: JPark | Signature: JPark

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		P			P			P			
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			D	D		D	D				
Typha											
Vallisneria americana											
Zizania aquatica											
		X		X	X		X	X			

~20 total species

6

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD4000)

Boldly "X" this box if there is qualified data on this page.

Meter Hydrolab Quanta RQ- 2016-05-23-12 Project Ref. stream

Notes: (1) Numbers ≤4, are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
(2) Always wait for meter to stabilize before recording any readings.
(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site L.6

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 4/16

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	JParrish	5/26/16	720	23.4	8.51	8.51	100	—	—	P	L
ICV	"	"	722	23.4	8.51	8.50	99.9	—	—	P	L
CCV	BDavis	5/26/16	1345	~~26.6~~	8.31	8.34	101.0	—	—	P	L
CCV				24.67							

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.
DO Acceptance criteria from Table ±0.3 mg/L. **Rapid-Pulse Sensors:** DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.
Optical: DO gain range 0.85 to 1.15; DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	JParrish	5/26/16		160216A	2/17	1000	1000	P	L
ICV	"	"		160216B	8/16	100	101	P	L
CCV	BDavis	5/26/16	1347	160216A	2/17	1000	979	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	JParrish	5/26/16		250G677	8/17	7.0	7.0		P	
Calibr.	"	"		250F74	9/17	4.0	4.0		P	
~~Calibr.~~ ICV	"	"		250A68	4/17	10.0	9.80	-214.4	P	
~~ICV~~ CCV	BDavis	5/26/16	1349	250G677	8/17	7.0	7.12	-54.3	P	L
CCV										
CCV										

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±50;
mV pH 10 Range -180±50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly) Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria ±5 % or ±0.05m, whichever is greater