FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / (No)

WIN Station Name: Pemberton Creek @ Gallagher Rd **Date:** 4-18-19 (mm/dd/yyyy)

WIN/ Field ID: G2SW0085 **WBID:** 1542 **Latitude:** 28.02628 (Decimal Degrees)

County: Hillsborough **ORG ID:** 21FLTPA **Longitude:** -82.23600 (Decimal Degrees)

Receiving Body of Water: Hillsborough River **RQ-2019-** 04-1562

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Judy Ashton	✓		✓		
Ben Pasmore		✓		✓	✓

Sampling Equipment

- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [ ] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with: Secchi
- Equipment ID Secchi #1

Collection Method

- [x] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** Chewy **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 (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
(EST)	1045	0.6	0.2	0.6 WS	8.09	92.3	7.74	0.14	285.4	21.8

Biological Samples Collected: (None) HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: 79440 HA-ID: 15763 RPS-ID: 9321 Macrophyte-ID: 11271 LIMS#: 2079779

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] ~~Ice~~ [ ] ~~H_2SO_4~~	SA8344070	12/10/19	[ ] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[x] ~~W-PO4-F~~ [x] ~~Field Filtered 0.45 µm Filter~~	[x] ~~Ice~~			
Chlorophyll	[x] ~~CHLSUITE-W~~	[x] ~~Ice~~			
Physical/Aggregate (Fresh)	[x] ~~Alkalinity~~ / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] ~~Ice~~			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] Ice			
Molecular	[ ] PCR-FILTER [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-HF183 [ ] PCR-DG3 [ ] PCR-GFD	[ ] Ice			
Tracers	[ ] W-E8321-DI [ ] W-E8321-MS	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-CT-CL-R [ ] W-E8321-DI [ ] W-PCL-SQ-R [ ] W-E8321-MS [ ] W-CARB-AA	[ ] Ice			
Phytoplankton	[ ] DTY-QN-C [ ] PKD-QN-C	[ ] Ice			

Contains: 1:1 H_2SO_4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

Place Preservat (If A

SULFURIC ACID <51%

Notes:

E.coli, A-Kit + BIO (HA)

Field ID/WIN G2SW0085

Site Name: Pemberton Creek@Gallagher Rd

Signature: Judy Ashton Date: 4-18-19

LIMS EVENT ID: 2019-04-19-01 WIN Import ID: 12711

Enter Field Parameters, Verify Station ID In LIMS DMT: SM 05/07/2019 QC Station ID, Field Parameters In LIMS DMT: SM 06/11/2019

Scan/Save Field Sheets SM 08/12/2019 (Initials/Date) Migrate Data to WIN: SM 06/11/2019 (Initials/Date) Verify Data In WIN: SM 08/12/2019 (Initials/Date)

Field ID/WIN G2SW0085

RQ 2019-04-15-62

Site Name: Pemberton Creek@Gallagher Rd

Rapid Periphyton Survey Field Sheet

Date: 4-18-19

Investigators: J. Ashton, B. Arbuckle

STORET Station Number:

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	N		
	2			
	3			
	4			
	5			86
	6			
	7			
	8			
	9	3		
10	1	N		
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			
20	1	N		
	2			
	3			
	4			
	5			96
	6			
	7			
	8			
	9			
30	1	N		
	2			
	3			
	4			
	5			56
	6			
	7			
	8			
	9	3		
40	1	N		
	2			
	3			
	4			
	5			83
	6			
	7			
	8			
	9			
50	1	3		
	2	N		
	3	3		
	4	N		
	5	N		50
	6	N		
	7	4		
	8	5		
	9	N		

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
60	1	N		
	2	4		
	3	5		
	4	5		
	5	3		20
	6	6		
	7	6		
	8	5		
	9	6		
70	1	N	E	
	2			
	3			
	4			
	5			10
	6			
	7	3		
	8	4		
	9	5		
80	1	N		
	2	3		
	3	3		
	4	N		
	5	N		88
	6	4		
	7	N		
	8	N		
	9	N		
90	1	N	E	
	2	N	E	
	3	N		
	4			
	5			92
	6			
	7			
	8			
	9	3		
100	1	N		
	2			
	3			
	4			
	5			94
	6			
	7			
	8			
	9			

Secchi depth	0.7
Estimated?	NO
# points ranked 4-6	12
total points assessed	99
% points ranked 4-6	12

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

RQ-2019-04-15-62

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

*If you can see the secchi on the bottom, but you cannot see or reach surrounding substrate use "X" and check estimated

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%.

Field ID/WIN G2SW0085

LINEAR VEGETATION SURVEY FIELD SHEET 4-18-19

Site Name: Pemberton Creek@Gallagher Rd

Date: 4/18/19 County: Hicls Storet Number: G2SW0085

Signature: [signature] FQ 2019-04-15-62

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							X				
Bacopa caroliniana							X				
Bacopa monneri											
Bidens mitis											
Boehmeria cylindrica											
Centella asiatica											
Ceratophyllum demersum											
Chara											
Cicuta maculata								X			
Cladium jamaicense											
Colocasia esculenta	X	X	X	X	X	X	X	X			
Commelina diffusa											
Commelina virginica											
Crinum americanum											
Diodia virginiana											
Eichhornia crassipes											
Eleocharis (wispy viviparous)											
Hydrilla verticillata			X						X		
Hydrocotle											
Hygrophila polysperma											
Hymenocallis											
Lachnanthes caroliniana											
Landoltia punctata											
Lemna											
Limnophila sessiflora											
Ludwigia leptocarpa											
Ludwigia palustris											
Ludwigia peruviana								X			
Ludwigia repens											
Luziola fluitans											
Fontinalis	X	X	D	D	D	D	D	D	D	D	
If no Dominant or Co-Dominant were selected, indicate with "X"											
Indicate % cover macrophytes per section											
0-5% Macrophyte Coverage	X	X	X	X	X	X	X	X	X	X	
>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	X	X	X		X	X	X	X	X	X	
Sacciolepis striata											
Sagittaria kurziana											
Sagittaria lancifolia											
Sagittaria latifolia											
Salvinia minima											
Samolus parviflora											
Saururus cernuus											
Sparganium americanum											
Typha											
Vallisneria americana											
Zizania aquatica											
ITSA V.								X			
OSMUNDO R.									X		
Red ~~Rot~~										X	
Spirodela polyrhiza										X	

> 2 sq m

Field ID/WIN G2SW0085

ysical/Chemical Characterization Field Sheet

LATITUDE

LONGITUDE

Site Name: Pemberton Creek@Gallagher Rd 4-18-19 SAMPLING AGENCY FDEP

FIELD ID/NAME RECEIVING BODY OF WATER

RQ 2019-04-15-62

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)
10		35	~~40~~ 35	20			

Landscape Development Intensity Index (LDI)

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 : >18m Right Bank : >18m

Hydrologic Modification Score (per FT 3101) 4

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

4.0 m wide

m/s	0.31 m/s	m/s
m deep	0.7 m deep	m deep

High Water Mark: 1.3 (m) + 0.7 (above present water level) = 2.0 (present depth) (above bed)

Artificially Impounded ☐ Yes ☐ No

Artificially Channelized : ☐ No ☑ Mostly recovered, more sinuous ☐ 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

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

SUBSTRATE TYPE

Assessment Tool: ☐ SCI ☑ ~~RPS~~ ☑ ~~LVS~~ ☐ LCI ☐ BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)			
Undercut Banks / Roots			
Leaf Packs or Mat			
Aquatic Vegetation			
Rock or Shell Rubble..			
Sand.....			
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:							
Bottom	0.2	21.8	7.74	8.09	92.3	285.4	0.14

Meter ID:

SECCHI (M) 0.7 ☒ VOB

TOTAL DEPTH 0.7

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: 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:

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

SAMPLING TEAM Judy Ashton, B. Passmore

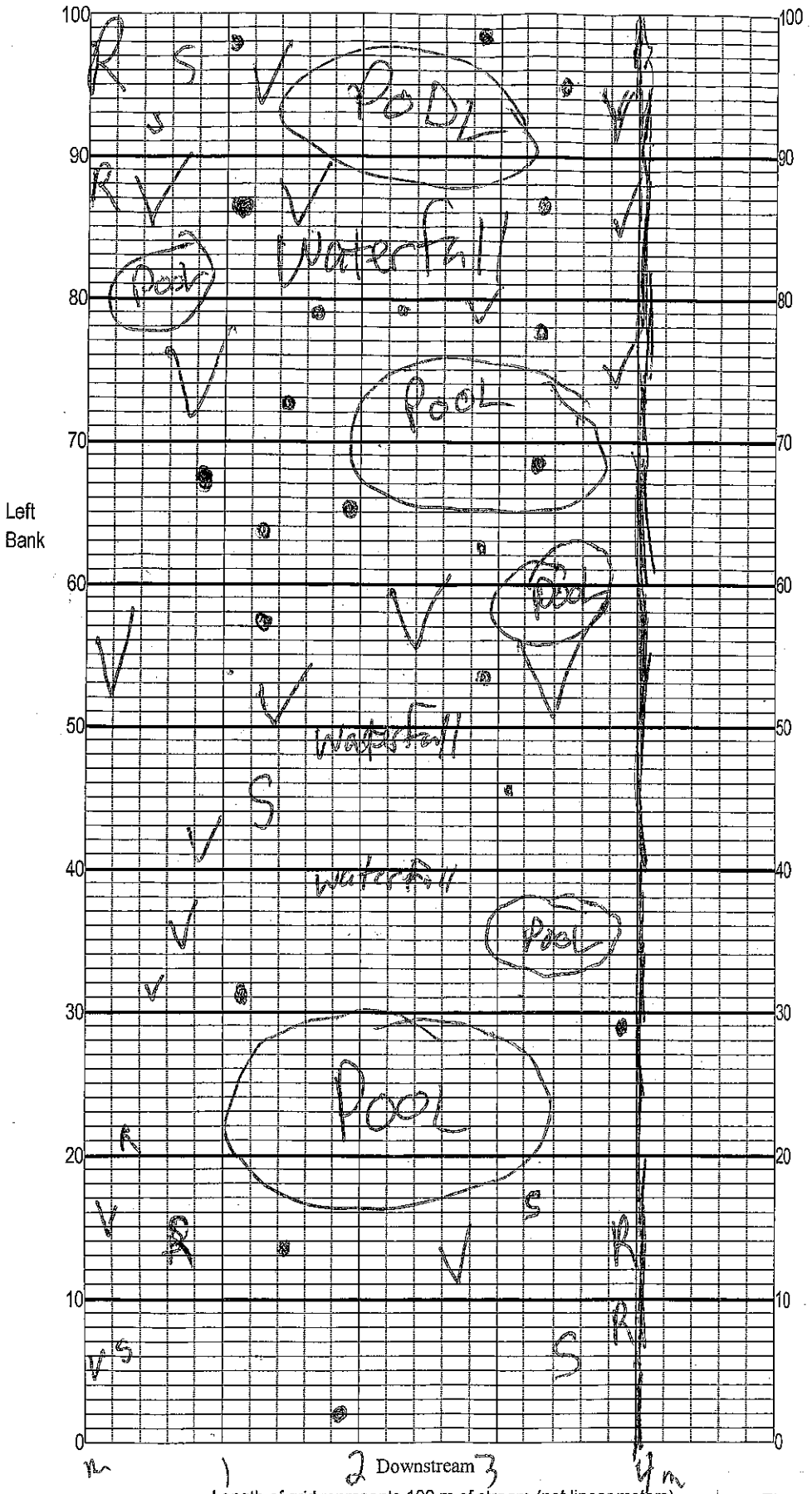
SIGNATURE :

DATE : 4-18-19

62-160.800, F.A.C.

Revision Date: March 1, 2014

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: Pemberton Crk

Date: 4-18-19

Sampler: B. Ashwater

100 m: Latitude _____
Longitude _____

0 m: Latitude _____
Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

S	Snags	few
R	Roots/undercut banks	16
	Leaf Packs (or mats)	
V	Aquatic Macrophytes	4.2
	Rocks	1.7
	Pools — total # observed = ____ # range expected = ____	

Average width 4.0 m
Average depth 0.7 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:

S = 20 41
V = 84 4.2
R = ~~39~~ 33 1.6
Rock = 34 1.7

Field ID/WIN G2SW0085

62-160.800, F.A.C

Site Name: Pemberton Creek@Gallagher Rd

Field ID/WIN G2SW0085

ream/River Habitat Assessment Field Sheet

Site Name: Pemberton Creek@Gallagher Rd

STORET STATION NUMBER:	DATE (MM/DD/YY):	RECEIVING BODY OF WATER:
	4-18-19	BAKER EAST
LOCATION:		FIELD ID/NAME:
HILLS. CO.		

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components **Substrate Diversity** 12	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 7	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 19	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 17 Primary Score ~~55~~ 54	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** 15	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 ~~9~~ 8 Left Bank ~~9~~ 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 7 Left Bank 7	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 4 Left Bank 4 Secondary Score 54	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

109 **TOTAL SCORE**

Date:	Analyst:	Signature:
4-18-19	J. ASHTON, B. PASSMORE	

Request Number: RQ-2019-04-15-62

HAs, Turkey & Pemberton

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SW-DIST

Project ID: SMP

Requester: Judy Ashton

Collected By: J. Ashton, B. Paslawski

Field Report Prepared By: Judy Ashton

Sampling Agency: FDEP

Location

Field ID/WIN G2SW0051

Site Name: Turkey Creek @ SR 60

Fiel / WI / Lati

☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4-18-19 Time 1200 | Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen 8.26 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 23.6 | pH 7.98 | Sample Depth 0.2 ☐ ft ☒ m | Sp. Conductance (umho/cm) 953

Salinity (ppt) 0.47

Comments: E.COLI DROPPED OFF BENCHMARK

Location

Field ID/WIN G2SW0085

Site Name: Pemberton Creek@Gallagher Rd

Fiel / WI / Lat

☐ dd ☐ dms

☒ Comp ☒ Grab | Collection (comp begin or grab) Date 4-18-19 Time 1045 | Eastern Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen 8.09 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 21.8 | pH 7.74 | Sample Depth 0.2 ☐ ft ☒ m | Sp. Conductance (umho/cm) 285.4

Salinity (ppt) 0.14

Comments: E.COLI DROPPED OFF BENCHMARK

Location

Field ID

WIN/STORET #

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time | Eastern Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt)

Comments

Location

Field ID

WIN/STORET #

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time | Eastern Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt)

Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
J. Ashton	4-18-19 1700	FES KP	1		

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	PCR-BACR PCR-HF183						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	SW-BEA-ECQ						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY						

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

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RQ-2019-04-15-62
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Client Information:	FDEP SW DIST.
Address:	13051 N. TELECOM PKWY
	TAMPA. FL 33607
Phone #	813-470-5772
Fax #	
Email	judy.ashton@dep.state.fl.us
Laboratory Submission #	19040869

Project Name:

Sample Name	Sample Type[1] / Sample Matrix[2]	Collection		Container			Preservative[4]	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type[3]	Lab Preserved ☐		
G2SW0051 TURKEY CREEK @ SR60	SW	4-18-19	12.00	1	250ML	P	ICE	E. Coli	1
G2SW0085 PEMBERTON CREEK @ GALLAGER Rd.	SW	4-18-19	1045	1	250ML	P	ICE	E. Coli	2

1 "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
2 "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
3 "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
4 Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).
Under "Preservative," list any preservatives that were added to the sample container.

Instructions:
1. Each bottle has a label identifying sample ID, pre-measured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Laboratory Sample Acceptability:
pH <2 : ☐ Temperature: 2.9°c

1	Collected By: Judy Ashton	Date 4-18-19	Time 1200	Received By:		Date	Time
2	Relinquished By: Judy Ashton	Date 4-18-19	Time 1305	Received By:		Date 04/18/19	Time