



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 12

Data Qualified?

Yes / No

June 2016

STORET Station Name: Godby Drainage Ditch at Vega Dr.

Date: 10/20/2016

STORET Station ID: G1WA0025

WBID: 807A-CM

820

Latitude: 30.46341

(mm/dd/yyyy)

County: Leon

RQ - 2016-10-17-54

ORG ID: 21FLWQA

Longitude: -84.33479

(Decimal Degrees)

Receiving Body of Water: Munson Slough

Field ID: G1WA0025-10192016

(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Curtis Musson				X	X	X			☒ Sample Container	☐ Van Dorn	☐ Pole	
Diana Turner							X	X	☐ Carboy	☒ Syringe		
									☐ Dipper	☐ Other		
									Equipment ID			
									Collection Method			
									☒ Wading	Via Boat		
									☐ From Shore	☐ Canoe/Kayak		
									☐ Other (note below)	☐ Electric Motor		
										☐ Gasoline Motor		
Water Level: Dry / Low / <u>Normal</u> / High / Flooded				Matrix: <u>Fresh</u> Marine / DI				Tide Falling: Yes / No / <u>NA</u>				
Meter ID# Biology 2				Photos: Yes / <u>No</u>								
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (umhos/cm)	Temp. (C°)		
<u>EST</u>	<u>10:05</u>	<u>0.125</u>	<u>0.25</u>	<u>6.61</u>	<u>72.1</u>	<u>7.60</u>	<u>0.08</u>	<u>VOB</u>	<u>165</u>	<u>19.52</u>		
CEN												
Biological Samples Collected: None <u>AS</u> SCI <u>VS</u> <u>RPS</u> 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 ☒ H2SO4	<u>6209120</u>	<u>7/27/17</u>	<u><2</u>		
Metals		☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO2			☐ <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-Cl-IC / W-COLOR / W-SO4-IC / W-TDS					☒ Ice					
Physical/Aggregate (Marine)		☐ Alkalinity / W-F / W-TSS / TURBIDITY					☐ Ice					
Macroinvertebrates		☐ MI-FW-QLDC					☐ Formalin					
Microbiology		☐ E Coli ☐ F Coli ☐ Enterococcus ☐ QPCR					☐ Ice					
Periphyton		☐ ALGAE-ID					☐ Ice					
Pesticides		☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R					☐ Ice					
		☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH					☐ Other					

Contains 1:1 Sulfuric Acid SA-6209120 EXP: 07/27/17 Warning! See SDS

Notes:

SBIO ID:

76998

RPS: 8384

Macro: 10139

Field ID: →

Godby Drainage

Ditch at Vega Dr.

Oct 20, 2016

Oct 19, 2016



G1WA0025-10192016

Godby Drainage
Ditch at
Vega Dr.

STORET ↓



G1WA0025

Signature:

Date:

10/20/2016

Field Parameters Entered into LIMS:

DT 10/24/16

Field Parameters QC in LIMS:

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(Initials/Date)

(Initials/Date)

(Initials/Date)

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

Waterbody: Globby Drainage Ditch Date: 10/24/16 County: Leon Storet Number: G1WA0025
 Analyst: Curtis Mussen Signature: Curtis Mussen

Comments: SMP Sampling

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.

HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)	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	
Alternanthera philoxeroides				X	X	X	X	X	X	X		Myriophyllum heterophyllum											
Bacopa caroliniana												Najas guadelupensis											
Bacopa monnieri												Nuphar luteum											
Bidens mitis												Orontium aquaticum											
Boehmeria cylindrica												Panicum hemitomon											
Centella asiatica												Panicum repens											
Ceratophyllum demersum												Panicum rigidulum											
Chara												Peltandra virginica											
Cicuta maculata												Pistia stratioides											
Cladium jamaicense												Polygonum glabra											
Colocasia esculenta	D	D	D	D	D	D			X	X		Polygonum hydropiperoides											
Commelina diffusa												Polygonum punctatum				X	X		X				
Commelina virginica												Pontedaria cordata							X	X			
Crinum americanum												Potamogeton illinoensis											
Diodia virginiana												Rhynchospora inundata											
Eichhornia crassipes												Rosa palustris											
Eleocharis (wispy viviparous)												Ruellia simplex											
Hydrilla verticillata												Rumex verticillatus											
Hydrocotyle							X	X				Sagittaria kurziana											
Hygrophila polysperma												Sagittaria lancifolia											
Hymenocallis												Sagittaria latifolia											
Lachnanthes caroliniana												Salvinia minima											
Landoltia punctata												Samolus parviflora											
Lemna												Saururus cernuus											
Limnophila sessiflora												Scirpus (schenoplectus) californicus											
Ludwigia leptocarpa												Sparganium americanum											
Ludwigia palustris												Typha											
Ludwigia peruviana												Vallisneria americana											
Ludwigia repens												Zizania aquatica											
Luziola fluitans												Waldia Trilabia				X	X	X	X	X	X		
Micranthemum glomeratum																							
Micranthemum umbrosum																							
Mikania scandens																							
Myriophyllum aquaticum																							
If no Dominant or Co-Dominant were selected, indicate with "X"																							
Indicate % cover macrophytes per section												Notes:											
0-5% Macrophyte Coverage	X	X	X	X	X	X	X	X	X	X		SB10 ID: 76998											
>5 and ≤10% Macrophyte Coverage												Mauro ID: 10139											
>10 and ≤25% Macrophyte Coverage																							
>25 and ≤50% Macrophyte Coverage																							
> 50% Macrophyte Coverage																							

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

SAMPLING AGENCY: Florida Department of Environmental Protection		STORET STATION NUMBER: G1WA0025	DATE (MM/DD/YY): 10/20/16	RECEIVING BODY OF WATER: Munson Slough
REMARKS: SAP	COUNTY: Leon	LOCATION: Grady Drainage Ditch		FIELD ID/NAME: G1WA0025-10192016

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components Snag Leaf Aquatic Vegetation Roots Rock Substrate Diversity <u>2</u>	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 <u>7</u> _____%	Major productive habitat present at site (>30% 27.2% 25.8% 24.4% 26.6%) 20 19 18 17 16	Major productive habitat, by aerial extent (21.6% 20.2% 18.8% 17.4% 16%) 15 14 13 12 11	6% to 15% major productive habitat (15% 13% 11% 9% 6%) 10 9 8 <u>7</u> 6	Less than 5% major productive habitat 5 4 3 2 1
Water Velocity <u>1</u> <u>0.01</u> 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 <u>1</u>
Habitat Smothering <u>3</u> ----- Primary Score <u>13</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 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 <u>3</u> 2 1
Secondary Habitat Components Artificial Channelization <u>2</u>	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 <u>4</u> - Left Bank <u>2</u> If Banks are PipeClay, BedRock or Concrete at Bank full: Optimal	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 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 <u>1</u> Left Bank <u>1</u>	Width of vegetation greater than 18 m 10 9	Width of vegetation >12 to 18m (18m 15m 12m) 8 7 6	Width of vegetation 6 to 12 m. human activities close to system (9m) 5 4	Less than 6 m of buffer zone due to intensive human activities (6-5m) (4-3m) (<2m) 3 2 1
Riparian Zone Vegetation Quality Right Bank <u>2</u> Left Bank <u>2</u> ----- Secondary Score <u>14</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. 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

27 **TOTAL SCORE**

Date: <u>10/20/16</u>	Analyst: <u>Curtis Mussen</u>	Signature:
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DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Godby Drainage Ditch County: Leon Date: 10/20/2016 Investigators: Chris Mussen, Diana Turner

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	5		
	2					2	N		
	3					3			
	4					4			
	5			96		5			0
	6					6			
	7					7			
	8					8	N		
	9					9	4		
10	1	N			70	1	6		
	2					2	N		
	3					3			
	4					4			
	5			87		5			0
	6					6			
	7					7			
	8					8			
	9					9			
20	1	N			80	1	N		
	2					2			
	3					3			
	4					4			
	5			32		5			0
	6					6			
	7					7			
	8					8	N		
	9					9	5		
30	1	N			90	1	N		
	2					2	N		
	3					3			
	4					4			
	5			0		5			0
	6					6			
	7					7			
	8					8	N		
	9					9	5		
40	1	N			100	1	5		
	2					2	N		
	3					3			
	4					4			
	5			0		5			0
	6					6			
	7					7			
	8					8	N		
	9					9	5		
50	1	N				1	5		
	2					2	N		
	3					3			
	4					4			
	5			0		5			
	6					6			
	7					7			
	8					8	N		
	9					9	5		

STORET Station Number: 67WA0025

Secchi depth 108
Estimated? NO

points ranked 4-6 13
total points assessed 29
% 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

SBW ID: 76998
RPS ID: 8384

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%.

Macrophyte QC Report

STORET: G1WA0025

Visit ID: 76998

Macrophyte ID: 10139

LIMS ID:

Sample Date: 10/20/2016

Collector Name: Musson, Curtis

Identifier Name: Musson, Curtis

Macrophyte Sample Comments:

Taxa Name:	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
<i>Alternanthera philoxeroides</i>				P	P	P	P	P	P	P
<i>Colocasia esculenta</i>	D	D	D	D	D	D		P	D	P
<i>Hydrocotyle</i>							P	P		
<i>Polygonum punctatum</i>				P		P			P	
<i>Pontederia cordata</i>									P	P
<i>Wedelia trilobata</i>				P	P	P	P	P	P	P

DT 10/24/16

This data has not been fully approved at this time.

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

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

Meter **Biology #2** RQ- **2016-10-17-54** Project **SMP**

- 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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 09/23/2016

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.	Curtis Mussen	10/20/16	7:12	22.2	8.74	8.75	100.1	33.9	—	P	LAB
ICV	Curtis Mussen	10/20/16	7:14	22.08	8.72	8.87	33.9	33.9	—	P	LAB
CCV							1101.8				
CCV											

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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	10/20/16	7:32	160330D	4/20/17	1000	1000	P	LAB
ICV	Curtis Mussen	10/20/16	7:34	160330D	4/20/17	1000	1001	P	LAB
CCV	Curtis Mussen	10/21/16	8:49	2510F25	10/20/17	100	101	P	LAB
CCV				2510F25					

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

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.	Curtis Mussen	10/20/16	7:42	160330B	10/20/17	7.0	7.00	-29.7	P	L
Calibr.	Curtis Mussen	10/20/16	7:46	160330A	04/20/17	4.01	4.01	156.8	P	L
Calibr.	Curtis Mussen	10/20/16	7:47	160330C	10/20/17	10.01	9.98	189.9	P	L
ICV	Curtis Mussen	10/20/16	7:50	160330C	10/20/17	10.01	9.97	189	P	L
CCV	Curtis Mussen	10/21/16	8:52	160330A	4/20/17	4.01	4.02	154	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

mV pH 4 Range +180 $\pm$ 50;

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 $\pm 5\%$ or ± 0.05 m, whichever is greater

DO

Cal. Curtis Musson

10/20/16

7:52

Chart	Meter		Pass/Fail
	ms/L	% Sat	
22/3	8.72	100.0	LAB PASS

ECV

Curtis Musson

10/20/2016

7:54

Temp	Chart	ms/L	%	LAB PASS
22.06	8.727	8.71	99.7	

CCV

Curtis Musson

10/21/2016

8:46

Temp
21.20

Chart	Meter		LAB PASS
	ms/L	% Sat	
8.710	8.95	100.7	

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Project ID: SMP

Collected By: Curtis Musson, Diana Turner

Sampling Agency:

Location		Collection (comp begin or grab)		Composite end		Bottle Group(s) (See pg 2)
Field ID	Storet #	Comp Grab	Date	Time	Date	
Harbinwood Estates Drain						
G1WA0034 - 10192016		☒ Fresh	10/20/2016	8:45		
G1WA0034						
Latitude 30.5193	Longitude -84.3357	Temp (C) 22.76	pH 7.07	Diss. Oxygen 3.05	Total Res. Chlorine (mg/L)	A
		Salinity (ppt) 0.05	Sample Depth 0.05	% sat	Sp. Conductance (umho/cm) 112	
Metals not collected						
Godby Drainage Ditch at Vega Dr						
G1WA0025 - 10192016		☒ Fresh	10/20/2016	10:05		
G1WA0025						
Latitude 30.46341	Longitude -84.33479	Temp (C) 19.52	pH 7.60	Diss. Oxygen 6.61	Total Res. Chlorine (mg/L)	B
		Salinity (ppt) 0.08	Sample Depth 0.125	% sat	Sp. Conductance (umho/cm) 165	
Soapstone Branch 100m upstream of SR 375						
G1WA0012 - 10292016		☒ Fresh	10/20/2016	11:30		
G1WA0012						
Latitude 30.38625	Longitude -84.6355	Temp (C) 19.62	pH 6.93	Diss. Oxygen 3.76	Total Res. Chlorine (mg/L)	B
		Salinity (ppt) 0.04	Sample Depth 0.15	% sat	Sp. Conductance (umho/cm) 92	
Eight Mile Pond Middle						
G1WA0024 - 10192016		☒ Fresh	10/20/2016	12:20		
G1WA0024						
Latitude 30.32635	Longitude -84.30273	Temp (C) 25.32	pH 7.37	Diss. Oxygen 7.94	Total Res. Chlorine (mg/L)	B
		Salinity (ppt) 0.03	Sample Depth 0.15	% sat	Sp. Conductance (umho/cm) 77	

Relinquished By:

Diana Turner

Date/Time

10/20/2016 12:57

Shipping Method

Drop-off

Number of Coolers Shipped:

2

Received By:

[Signature]

Date/Time

10.20.16 12:57

Cooler Packing Worksheet for Request: RQ-2016-10-17-54
Eight Mile Pond, Soapstone Branch, Godby Ditch and Harbinwood Estates Drain

Ship Cooler On: 10/19/2016
Customer/Project: WQAP/SMP

Requester: Benjamin Ralys
Priority: 3

850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400

Attn: Benjamin Ralys

Comments:

No preservatives needed.

Bottle Group A: freshwater kits including metals
Bottle Group B: freshwater kits no metals
Bottle Group C: Algal ID

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00065181

Description: Plastic Bottle 1L

Analysis

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-TDS
W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO₃/L
Turbidity in aqueous matrices
Chloride in aqueous matrices
True Color measured at 450 nm
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Total Dissolved Solids in aqueous matrices
Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1181694

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00065372

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00065372

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: ICE-FLTR

Lot # 00065393

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00065578

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 3 Preservation: ICE

Lot # 1181694

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00065372

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 3 Preservation: ICE-FLTR

Lot # 00065393

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C

of Sites: 2

Container ID: PT-50ML

Qty: 2 Preservation: ICE

Lot # 430897

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By: DRC Date: 10/18/16
DEP Cooler ID #(s): 1 cooler

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- NA FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2016-10-17-54