



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

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Data Qualified?

Yes / No

STORET Station Name: Harbinwood Estates Drain

Date: 10/20/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0034

WBID: 746A

Latitude: 30.5193

(Decimal Degrees)

County: Leon

RQ - 2016-10-17-54

ORG ID: 21FLWQA

Longitude: -84.3357

(Decimal Degrees)

Receiving Body of Water: Lake Jackson

Field ID: G1WA0034-10192016

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson						X	X	X		
Diana Turner								X	X	X

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ 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 / Normal / High / Flooded

Meter ID# Biology 2

Photos: Yes / No

Matrix: Fresh / Marine / DI

Tide Falling: Yes / No / N/A

Time Zone	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	8:45	0.05	0.1	3.05	35.4	7.07	0.05	VOB	112	22.76
CEN										

Biological Samples Collected: None HA SCI LV 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 ☒ H2SO4	6209120	7/21/17	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO2			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm 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 ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice			

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

Preservative Sticker(s) Here (If Available)

Notes:
SBIO ID: 76999
RPS: 8385
Macro: 10140

Signature:

[Signature]

10/20/2016

Field Parameters Entered into LIMS: DT 10/24/16

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Harbinwood Estates Drain

STORET ↓



G1WA0034

Field ID →

Harbinwood Estates Drain
Oct 20, 2016
Oct 19, 2016



G1WA0034-10192016

Field Parameters QC in LIMS:

(Initials/Date)

Field Sheets Scanned/Saved:

(Initials/Date)

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

SAMPLING AGENCY: FL DEP		STORET STATION NUMBER: G1WA0034	DATE (MM/DD/YY): 10/20/2016	RECEIVING BODY OF WATER: Lake Jackson
REMARKS:	COUNTY: Leon	LOCATION: Harbinwood Estates	FIELD ID/NAME: G1WA0034-10192016	

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 2	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Substrate Availability 6	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 14	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 4 ----- Primary Score 28	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	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 2	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bank Stability 4 - + - Right Bank 4 Left Bank 5	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	Width of vegetation greater than 18 m	Width of vegetation >12 to 18m	Width of vegetation 6 to 12 m. human activities close to system	Less than 6 m of buffer zone due to intensive human activities
Right Bank 2 Left Bank 2	10 9	8 7 6	5 4	3 2 1
Riparian Zone Vegetation Quality	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.	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed.	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious.	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions).
Right Bank 2 Left Bank 2 ----- Secondary Score 19	10 9	8 7 6	5 4	3 2 1

47

TOTAL SCORE

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

Site: <u>Harbinwood Estates</u>					County: <u>Leon</u>		Date: <u>10/10/14</u>		Investigators: <u>Curtis Mussen, Diana Turner</u>	
									STORET Station Number: <u>G1WA0034</u>	

Transect t (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect t (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	
0	1	N			60	1	N			
	2					2				
	3					3				
	4					4				
	5			48		5			42	
	6					6				
	7					7				
	8					8				
	9					9				
10	1	N			70	1	N			
	2					2				
	3					3				
	4					4				
	5			0		5			47	
	6					6				
	7					7				
	8					8				
	9					9				
20	1	N			80	1	N			
	2					2				
	3					3				
	4					4				
	5			60		5			94	
	6					6				
	7					7				
	8					8				
	9					9				
30	1	N			90	1	N			
	2					2				
	3					3				
	4					4				
	5			94		5			29	
	6					6				
	7					7				
	8					8				
	9					9				
40	1	N			100	1	N			
	2					2				
	3					3				
	4					4				
	5			87		5			38	
	6					6				
	7					7				
	8					8				
	9					9				
50	1	N				1	N			
	2					2				
	3					3				
	4					4				
	5			60		5				
	6					6				
	7					7				
	8					8				
	9					9				

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%.

Secchi depth	<u>100</u>
Estimated?	<u>No</u>

# points ranked 4-6	<u>0</u>
total points assessed	<u>99</u>
% points ranked 4-6	<u>0%</u>

Check accompanying data collected at same site/date.	
Algal mat sample	<u>No</u>
Linear Veg Survey	<u>Yes</u>
Habitat Assessment	<u>Yes</u>
SCI/Biorecon	<u>No</u>
Water sample	<u>Yes</u>
RQ- <u>2016-10-17-54</u>	

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

SBTD ID: 76999
RPS ID: 8385

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

Waterbody: <u>Harbin wood Estates</u>		Date: <u>10/10/14</u>	County: <u>Leon</u>	Storet Number: <u>G12WA0034</u>
Analyst: <u>Curtis Mason</u>		Signature: <u>Curtis Mason</u>		
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 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										Specime n collected (check)	HERBACEOUS SPECIES	Meter Mark										Specime n 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			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							X		X			Pistia stratioides											
Cladium jamaicense												Polygonum glabra				X	X		X				
Colocasia esculenta		X	C	C	C	C		X				Polygonum hydropiperoides				X		X					
Commelina diffusa												Polygonum punctatum											
Commelina virginica	X		X	X								Pontedaria cordata								X			
Crinum americanum												Potamogeton illinoensis											
Diodia virginiana												Rhynchospora inundata											
Eichhornia crassipes			X				X					Rosa palustris											
Eleocharis (wispy viviparous)												Ruellia simplex											
Hydrilla verticillata												Rumex verticillatus					X	X					
Hydrocotyle			X	X	X		X					Sacciolepis striata											
Hygrophila polysperma												Sagittaria kurziana											
Hymenocallis												Sagittaria lancifolia											
Lachnanthes caroliniana												Sagittaria latifolia											
Landoltia punctata												Salvinia minima											
Lemna												Samolus parviflora											
Limnophila sessiflora												Saururus cernuus											
Ludwigia leptocarpa												Scirpus (schenoplectus) californicus											
Ludwigia palustris												Sparganium americanum											
Ludwigia peruviana												Typha											
Ludwigia repens							X					Vallisneria americana											
Luziola fluitans												Zizania aquatica											
Micranthemum glomeratum												<u>Wetlandia Trilobia</u>		X	C	C	C	C					
Micranthemum umbrosum																							
Mikania scandens																							
Myriophyllum aquaticum																							

If no Dominant or Co-Dominant were selected, indicate with "X"	
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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										

Notes:
 SBID: 76999
 Macro: 10140

Macrophyte QC Report

STORET: G1WA0034

Visit ID: 76999

Macrophyte ID: 10140

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	
<i>Cicuta maculata</i>							P			P
<i>Colocasia esculenta</i>	C	C	C	C	C		P			
<i>Commelina virginica</i>	P		P	P						
<i>Eichhornia crassipes</i>			P				P			
<i>Hydrocotyle</i>			P	P	P		P			
<i>Ludwigia repens</i>							P			
<i>Polygonum glabrum</i>				P	P			P		
<i>Polygonum hydropiperoides</i>					P		P			
<i>Pontederia cordata</i>										P
<i>Rumex verticillatus</i>						P	P			
<i>Wedelia trilobata</i>	C	C	C	C	C					

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 page.

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 Musson	10/20/16	7:12	22.02	8.744	8.75	100.1	32.9	—	P	LAD
ICV	Curtis Musson	10/20/16	7:14	22.08	8.727	8.87	33.4	33.9	—	P	LAD
CCV							110.8				
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 Musson	10/20/16	7:32	160330D	4/20/17	1000	1000	P	LAD
ICV	Curtis Musson	10/20/16	7:34	160330D	4/20/17	1000	1001	P	LAD
CCV	Curtis Musson	10/21/16	8:49	2510F25	10/20/17	100	101	P	LAD
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 Musson	10/20/16	7:42	160330B	10/20/17	7.0	7.00	-29.7	P	L
Calibr.	Curtis Musson	10/20/16	7:46	160330A	04/20/17	4.0	4.01	156.8	P	L
Calibr.	Curtis Musson	10/20/16	7:47	160330C	10/20/17	10.0	9.98	189.9	P	L
ICV	Curtis Musson	10/20/16	7:50	160330C	10/20/17	10.0	9.97	187	P	L
CCV	Curtis Musson	10/21/16	8:52	160330A	4/20/17	4.0	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 4 Range +180 $\pm$ 50;

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

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 Mussen 10/20/16 7:52

Chart	Meter		Pass / Fail
	ms/L	% Sat	
Temp 22.13	8.72	100.0	LAB PASS

ICV

Curtis Mussen 10/20/2016
7:54

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

CCV

Curtis Mussen 10/21/2016

Temp	Chart	Meter		LAB PASS
		ms/L	% Sat	
8:46 21.20	8.710	8.95	100.7	

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Project ID: SMP

Collected By: Curt's Musson, Diana Turner

Sampling Agency:

Location				Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Temp (C)	Salinity (ppt)	Time	mg/L	% sat	Total Res. Chlorine (mg/L)	Time	(See pg 2)
Harbinwood Estates Drain									
G1WA0034 - 10192016	Fresh	22.76	0.05	8:45	3.05				
STORET #									
G1WA0034									
Latitude 30.5193	dd dms	Longitude -84.3357	dd dms						
Godby Drainage Ditch at Vega Dr									
G1WA0025 - 10192016	Fresh	19.52	0.08	10:05	6.61				
STORET #									
G1WA0025									
Latitude 30.46341	dd dms	Longitude -84.33479	dd dms						
Soapstone Branch 100m upstream of SR 375									
G1WA0012 - 10292016	Fresh	19.62	0.04	11:30	3.76				
STORET #									
G1WA0012									
Latitude 30.38625	dd dms	Longitude -84.6355	dd dms						
Eight Mile Pond Middle									
G1WA0024 - 10192016	Fresh	25.32	0.03	12:20	7.94				
STORET #									
G1WA0024									
Latitude 30.32635	dd dms	Longitude -84.30273	dd dms						

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Diana Turner	10/20/2016 12:57	Drop-off	2	[Signature]	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