Qc 5/4/16

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

Data Qualified? Yes / No

STORET Station Name: Quincy Creek upstream of SR 12 **Date:** 4/13/2016 (mm/dd/yyyy)

STORET Station ID: G1WA0019 **Latitude:** 30.5923 (Decimal Degrees)

WBID: 1303A **RQ -** 2016-04-11-33 **ORG ID:** 21FLWQA **Longitude:** -84.5634 (Decimal Degrees)

Receiving Body of Water: Little River **Field ID:** G1WA0019 **County:** Gadsden

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
James Albright		✓		✓	✓
Robert Wiwi	✓		✓		

Sampling Equipment

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

Collection Method

- [x] 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# 2 **Photos:** (Yes) / No

Tide Falling: Yes / No / (NA)

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	1510	0.15	0.3	9.05	96.1	7.00	0.03	VOB	63	18.30
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 [ ] H_2SO_4	5259020	9/16/16	[x] <2
Metals	[ ] W-ICPMS [x] W-ICP	[x] Ice [x] HNO_2	5113210	4/23/16	[x] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
BOD	[x] BOD-UNIN	[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-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			

Contains 1:1 Sulfuric Acid SA-5259020 EXP: 09/16/16 Warning! See MSDS

Contains 1:1 Nitric Acid NA-5113210 EXP: 04/23/16 Warning! See MSDS

Notes:

Sampled upstream of the confluence with a side-channel of Quincy Creek that was flooded due to a beaver dam.

pH (J) Value not properly bracketed during CCV

Place Label Here (If Available)

G1WA0019 4-13-2016

Signature: 4-15-2016 **Date:** 4/14/16

Field Parameters Entered into LIMS: (Initials/Date) **Field Parameters QC in LIMS:** 4/25/16 (Initials/Date)

Date Migrated to STORET: (Initials/Date) **Field Sheets Scanned/Saved:** 4/28/16 (Initials/Date)

6

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 # 2 RQ- 2016-04-11-33 Project SMP - Ochlockonee - St. Marks

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 03/04/2016

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.	J. Albright	4-13-16	0734	22.15°	8.71	8.72	100	34.9		Pass	Lab
ICV	J. Albright	4-13-16	0737	22.20°	8.71	8.6	98.8	33.9		Pass	Lab
CCV	R. Wini	4/13/16	~~1738~~ 1743	22.67	8.6	8.3	96%	29.8		Pass	Lab
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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	J. Albright	4-13-16	0741	CC13882	7-15-16	101.1	101.0	Pass	Lab
ICV	J. Albright	4-13-16	0742	—	—	—	101.0	Pass	Lab
CCV	R. Wini	4/13/16	1703	CC13882	7/15/16	101.1	101	Pass	Lab
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.	J. Albright	4-13-16	0744	153035	7-2017	7.0	7.0	-11.3	Pass	Lab
Calibr.	J. Albright	4-13-16	0745	154634	7-2017	4.0	4.0	163.7	Pass	Lab
Calibr.	J. Albright	4-13-16	0747	146934	10-2016	10.0	10.0	-185.6	Pass	Lab
ICV	J. Albright	4-13-16	0747	146934	10-2016	10.0	9.99	-185.1	Pass	Lab
CCV	R. Wini	4/13/16	1705	146934	10/16	10.0	10.1	-188.8	Pass	Lab
CCV										

J

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

ph (J) Value not Properly bracketed during CCV

Request Number: RQ-2016-04-11-33

Lower Dianne Lake, Upper Dianne Lake, Lake Tom John, Pine Hill Lake and Quincy Creek

Customer: WQAP

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Nov 10, 2015

Requester: Benjamin Ralys

Collected By: J. Albright and R. Wiwi

Field Report Prepared By: J. Albright and R. Wiwi

Sampling Agency: FDEP- WQAP- WAS

Location: Lake Monkey Business Middle	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/13/16 Time 9:35	Eastern / Central	Composite end Date	Time	Bottle Group(s) (See pg 2): B					
Field ID: G1WA0036	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 8.52	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)							
STORET #: G1WA0036	Temp (C) 22.92	pH 6.94	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 63						
Latitude: 30.60779 ☒ dd ☐ dms	Longitude: -84.23076 ☒ dd ☐ dms	Salinity (ppt) 0.03	Comments								
Location: Upper Dianne Lake Middle	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/13/16 Time 10:30	Eastern / Central	Composite end Date	Time	Bottle Group(s): B					
Field ID: G1WA0041	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 9.91	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)							
STORET #: G1WA0041	Temp (C) 23.26	pH 7.82	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 64						
Latitude: 30.59986 ☒ dd ☐ dms	Longitude: -84.23778 ☒ dd ☐ dms	Salinity (ppt) 0.03	Comments								
Location: Lower Diane Lake Middle	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/13/16 Time 11:15	Eastern / Central	Composite end Date	Time	Bottle Group(s): B					
Field ID: G1WA0040	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 8.51	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)							
STORET #: G1WA0040	Temp (C) 23.05	pH 6.94	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 62						
Latitude: 30.59355 ☒ dd ☐ dms	Longitude: -84.23534 ☒ dd ☐ dms	Salinity (ppt) 0.03	Comments								
Location: Pine Hill Lake Middle	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/13/16 Time 12:20	Eastern / Central	Composite end Date	Time	Bottle Group(s): B					
Field ID: G1WA0054	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 9.07	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)							
STORET #: G1WA0054	Temp (C) 23.09	pH 7.02	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 47						
Latitude: 30.58492 ☒ dd ☐ dms	Longitude: -84.2195 ☒ dd ☐ dms	Salinity (ppt) 0.02	Comments								

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time

Request Number: RQ-2016-04-11-33

Lower Dianne Lake, Upper Dianne Lake, Lake Tom John, Pine Hill Lake and Quincy Creek

Customer: WQAP

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Nov 10, 2015

Requester: Benjamin Ralys

Collected By: J. Albright and R. Wiwi

Field Report Prepared By: J. Albright and R. Wiwi

Sampling Agency: FDEP - WQAP- WAS

Location: Lake Tom John Middle	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/13/16 Time 13:10	Eastern / Central	Composite end Date	Time	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 8.74 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			Bottle Group(s) (See pg 2): B
Field ID: G1WA0043											
STORET #: G1WA0043						Temp (C): 23.61	pH: 7.10	Sample Depth: 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm): 62		
Latitude: 30.54484 ☒ dd ☐ dms	Longitude: -84.21478 ☒ dd ☐ dms					Salinity (ppt): 0.03	Comments:				
Location: Quincy Creek 100 meters upstream of Ralph Strong Rd	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/13/16 Time 14:30	Eastern / Central	Composite end Date	Time	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 9.09 ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			Bottle Group(s): A
Field ID: G1WA0018											
STORET #: G1WA0018						Temp (C): 18.55	pH: 7.08	Sample Depth: 0.15 ☐ ft ☑ m	Sp. Conductance (umho/cm): 65		
Latitude: 30.5837 ☒ dd ☐ dms	Longitude: -84.5503 ☒ dd ☐ dms					Salinity (ppt): 0.03	Comments:				
Location: Quincy Creek upstream of SR 12	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/13/16 Time 15:10	Eastern / Central	Composite end Date	Time	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 9.05 ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			Bottle Group(s): A
Field ID: G1WA0019											
STORET #: G1WA0019						Temp (C): 18.30	pH: 7.00	Sample Depth: 0.15 ☐ ft ☑ m	Sp. Conductance (umho/cm): 63		
Latitude: 30.5923 ☒ dd ☐ dms	Longitude: -84.5634 ☒ dd ☐ dms					Salinity (ppt): 0.03	Comments:				
Location: Petty Gulf Lake Middle	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 4/13/16 Time 12:00	Eastern / Central	Composite end Date	Time	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 9.85 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			Bottle Group(s): B
Field ID: G1WA0022											
STORET #: G1WA0022						Temp (C): 22.95	pH: 7.37	Sample Depth: 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm): 57		
Latitude: 30.58915 ☒ dd ☐ dms	Longitude: -84.22637 ☒ dd ☐ dms					Salinity (ppt): 0.03	Comments:				

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time

RQ-2016-04-11-33

Printed: 3/31/2016 11:38:00 AM

Date of Request: 21-MAR-2016
Created By: RALYS_B On: 21-MAR-2016
Modified By: SWANSON_C On: 22-MAR-2016
Customer: WQAP
Project: SMP
Division:
District:
Sampling Event: Lower Dianne Lake, Upper Dianne Lake, Lake Tom John, Pine Hill Lake and Quincy Creek

Send Coolers To:

Phone: 850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Benjamin Ralys

Send Final Report To:

2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Katrina Sanders

Program Module Number:
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 21-MAR-2016
Biology Request Reviewed By: SWANSON_C On: 22-MAR-2016
Sampling Kit Required: YES Ship on: 28-MAR-2016
Sampling Kit Shipped: YES On: 30-MAR-2016
Sampling Kit Packed By: LASHLEY_C
Preservatives Needed: NO
Date to Receive Samples: 13-APR-2016
Received By:

Report Type: Final Only
FTP Data: NO
QC Report: YES
Date Log: NO
Authorization Log: NO

Comments:

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L Number of Bottles: 2 Preserved With: ICE

ALKALINITY Total Alkalinity	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY Turbidity	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC Chloride	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR Color (true)	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
W-F Fluoride	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-NO2 Nitrite-N	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite in aqueous matrices as mg N/L
W-TDS TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices

Bottle Type: P-1L Number of Bottles: 2 Preserved With: ICE

BOD-UNIN Biochemical Oxygen Demand-5 Day	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited

Bottle Type: BP-1L Number of Bottles: 2 Preserved With: ICE

CHLSUITE-W Chlorophyll/Phaeophytin Ratio Chlorophyll-a, Corrected Chlorophyll-a, Uncorrected Phaeophytin-a	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Bottle Type: P-500ML Number of Bottles: 2 Preserved With: HNO3

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-500ML Number of Bottles: 2 Preserved With: HNO3

W-ICP Template: (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

- Calcium
- Chromium
- Iron
- Magnesium
- Nickel
- Potassium
- Sodium
- Zinc

W-ICPMS Template: (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

- Arsenic
- Cadmium
- Copper
- Lead
- Silver

Bottle Type: P-500ML Number of Bottles: 2 Preserved With: ICE And H2SO4

W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
- Ammonia-N

W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
- NO2NO3-N

W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
- Total-P

W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
- Kjeldahl Nitrogen

W-TOC Template: DEFAULT (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
- Organic Carbon

Bottle Type: P-125ML Number of Bottles: 2 Preserved With: ICE-FLTR

W-PO4-F Template: DEFAULT (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
- O-Phosphate-P

Bottle Group B (Water) With 4 Samples:

Bottle Type: P-500ML Number of Bottles: 4 Preserved With: ICE And H2SO4

W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
- Ammonia-N

W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
- NO2NO3-N

W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
- Total-P

W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
- Kjeldahl Nitrogen

W-TOC Template: DEFAULT (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
- Organic Carbon

Bottle Type: P-125ML Number of Bottles: 4 Preserved With: ICE-FLTR

W-PO4-F Template: DEFAULT (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
- O-Phosphate-P

Bottle Type: P-1L Number of Bottles: 4 Preserved With: ICE

ALKALINITY Template: DEFAULT (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
- Total Alkalinity

TURBIDITY Template: DEFAULT (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
- Turbidity

W-CL-IC Template: DEFAULT (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
- Chloride

W-COLOR Template: DEFAULT (SM 2120 B) True Color measured at 450 nm
- Color (true)

W-F Template: DEFAULT (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
- Fluoride

W-NO2 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite in aqueous matrices as mg N/L
- Nitrite-N

Bottle Group B (Water) With 4 Samples:

Bottle Type: P-1L Number of Bottles: 4 Preserved With: ICE

W-TDS Template: DEFAULT (SM 2540 C-97) Total Dissolved Solids in aqueous matrices

TDS

W-TSS Template: DEFAULT (SM 2540 D-97) Total Suspended Solids in aqueous matrices

TSS

Bottle Type: P-1L Number of Bottles: 4 Preserved With: ICE

BOD-UNIN Template: DEFAULT (SM 5210 B) BOD, NOT nitrogen-inhibited

Biochemical Oxygen Demand-5 Day

Bottle Type: BP-1L Number of Bottles: 4 Preserved With: ICE

CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Chlorophyll/Phaeophytin Ratio

Chlorophyll-a, Corrected

Chlorophyll-a, Uncorrected

Phaeophytin-a

Cooler Packing Worksheet for Request: RQ-2016-04-11-33
Lower Dianne Lake, Upper Dianne Lake, Lake Tom John, Pine Hill Lake and Quincy Creek
Ship Cooler On: 3/28/2016 Requester: Benjamin Ralys
Customer/Project: WQAP/SMP Priority: 3

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

Attn: Benjamin Ralys

Comments:
No preservatives needed.

Requested Analyses:

Bottle Group: A **# of Sites: 2**

Container ID: P-1L **Qty: 2** **Preservation: ICE** **Lot #** 00064196
Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-NO2	Nitrite in aqueous matrices as mg N/L
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: P-1L **Qty: 2** **Preservation: ICE** **Lot #** 00064196
Description: Plastic Bottle 1L

Analysis	Description
BOD-UNIN	BOD, NOT nitrogen-inhibited

Container ID: BP-1L **Qty: 2** **Preservation: ICE** **Lot #** 1158/98
Description: Brown Plastic Bottle 1L

Analysis	Description

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

Container ID: P-500ML **Qty: 2** **Preservation: HNO3** **Lot #** 00063982

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML **Qty: 2** **Preservation: ICE And H2SO4** **Lot #** 00063982

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 2** **Preservation: ICE-FLTR** **Lot #** 00064520

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B # of Sites: 4

Container ID: P-1L **Qty: 4** **Preservation: ICE** **Lot #** 00064196

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-NO2	Nitrite in aqueous matrices as mg N/L
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: P-1L **Qty: 4** **Preservation: ICE** **Lot #** 00064196

Description: Plastic Bottle 1L

Analysis	Description
BOD-UNIN	BOD, NOT nitrogen-inhibited

Container ID: BP-1L **Qty: 4** **Preservation: ICE** **Lot #** 1158198

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

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Container ID: P-500ML **Qty: 4** **Preservation: ICE And H2SO4** **Lot #** 00063982

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 4** **Preservation: ICE-FLTR** **Lot #** 00064520

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: CL Date: 3/30/16

DEP Cooler ID #(s): 2 coolers

Kit must also include:

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

If Preservation Included:

ID _____	Lot # _____
ID N/A	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2016-04-11-33