FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

PAGE 1 OF ____

Data Qualified? Yes / No

STORET Station Name: Ward Creek At CR 3 West Bridge **Date:** 07/27/2016 (mm/dd/yyyy)

STORET Station ID: 303352108354339 **WBID:** 459 **Latitude:** 30.564472 (Decimal Degrees)

County: Jefferson **RQ -** 2016-07-25-47 **ORG ID:** 21FLWQA **Longitude:** -83.909417 (Decimal Degrees)

Receiving Body of Water: Lake Miccosukee **Field ID:** 303352108354339

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson	✓	✓	✓		
Robert Wiwi		✓		✓	✓

Sampling Equipment

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

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# Biology #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)	1100	0.3	0.6	0.74	8.9	5.75	0.02	VOB	51	24.98
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	SA-6133010	5/12/17	☑ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <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 ☐ 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 – 6133010 EXP: 05/12/17 Warning! See SDS

P… ve Sticker(s) Here …ailable)

Notes:

303352108354339 27 jul
Ward Creek At CR 3 West Bridge 2016

Signature: _____ **Date:** 7/27/16

Field Parameters Entered into LIMS: CM 7-28-16 (Initials/Date) **Field Parameters QC in LIMS:** _____ (Initials/Date)

Date Migrated to STORET: _____ (Initials/Date) **Field Sheets Scanned/Saved:** _____ (Initials/Date)

QA/QC Sample Information

Duplicate

Time Zone: EST CEN
Time: 9:25
Sample Depth (m): 0.055
Total Depth (m): 0.11
Field ID: G1WA0014D

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	SA-6133010	5/12/17	☑ < 2
Metals	☐ W-ICPMS ☑ W-ICP	☐ Ice ☑ HNO_3	NA-5259030	9/16/16	☐ < 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			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ 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-6133010 EXP: 05/12/17 Warning! See SDS

Contains 1:1 Nitric Acid NA-5259030 EXP: 09/16/16 Warning! See MSDS

Here

Blank

Lake Lafferty Drive

Time Zone: EST CEN
Time: 08:25
Field ID: G1WA0014B
Location: at Chairs Cross Rd
☑ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank
Equipment ID

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	SA-6133010	5/12/17	☑ < 2
Metals	☑ W-ICPMS ☑ W-ICP	☑ Ice & HNO3	NA-5259030	9/16/16	☐ < 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			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ 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-6133010 EXP: 05/12/17 Warning! See SDS

Contains 1:1 Nitric Acid NA-5259030 EXP: [illegible] Warning! See MSDS

Notes:

G1WA0014 27 july 2016
Caney Creek Upstream of US 90

Signature: [signature]
Date: 7/27/16

Field Parameters Entered into LIMS: CM 7-28-2016 (Initials/Date)
Field Parameters QC in LIMS: _____ (Initials/Date)
Date Migrated to STORET: _____ (Initials/Date)
Field Sheets Scanned/Saved: _____ (Initials/Date)

DO

Bold/Box "X" this box if there is qualified data on this page.

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

Meter: Biology 2 | RQ-: 2016-07-25-47 | 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 06/03/2016

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~~	~~7/27~~	~~0714~~	~~22.6~~	~~8.62~~	~~8.64~~	~~100.1~~	~~43.1~~	—	~~P~~	~~L~~
Calib. ~~ICV~~	Curtis Mussen	7/27/16	716	22.7	8.61	8.65	100.1	43.1	—	P	L
ICV CCV	Curtis Mussen	7/27/16	718	22.6	8.64	8.84	102.4	42.0	—	P	L
CCV	Curtis Mussen	1502 7/27/16		25.3	8.22	9.02	109.8	39.0	—	Fail	Lab

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.	Curtis Mussen	7/27/16	721	160330D	04/2017	1000	1000	P	L
ICV	Curtis Mussen	7/27/16	722	160330D	04/2017	1000	1000	P	L
CCV	Curtis Mussen	7/27/16	1505	2601533	12/2017	100	102	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.	Curtis Mussen	7/27/16	724	160330B	10/2017	7.000	7.00	-19.4	P	L
Calibr.	Curtis Mussen	7/27/16	727	160330A	04/2017	4.01	4.01	159.0	P	L
Calibr.	Curtis Mussen	7/27/16	730	160330C	10/2017	10.01	9.98	-189.8	P	L
ICV	Curtis Mussen	7/27/16	732	160330A	4/2017	4.01	3.99	158.4	P	L
CCV	Curtis Mussen	7/27/16	1508	160330C	10/2017	10.01	9.97	-189.2	P	L
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

Request Number: RQ-2016-07-25-47

Caney Branch, Ward Creek, Lake Lafayette Drain and Little River

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Project ID: SMP

Requester: Benjamin Ralys

Collected By: Curtis Musson, Robert Wiwi

Field Report Prepared By: Robert Wiwi

Sampling Agency: FDEP

Location: Lake Lafayette Drain At Chaires Cross Rd
Field ID: GLWA0013-07272016
STORET #: GLWA0013
Latitude: 30.4318 (dd) **Longitude:** -84.1188 (dd)

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 7/27/16 Time 8:40 | Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh
Diss. Oxygen: 2.51 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L): —
Temp (C): 24.92 | pH: 5.61 | Sample Depth: 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm): 29
Salinity (ppt): 0.01
Comments:

Location: Caney Creek Upstream of US 90
Field ID: GLWA0014-07272016
STORET #: GLWA0014
Latitude: 30.5325 (dd) **Longitude:** -83.9501 (dd)

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 7/27/16 Time 9:25 | Eastern Central | Composite end Date Time | Bottle Group(s): A, C

Matrix (type, e.g., Salt, Fresh, etc): Fresh
Diss. Oxygen: 9.24 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L): —
Temp (C): 24.60 | pH: 7.18 | Sample Depth: 0.055 ☐ ft ☑ m | Sp. Conductance (umho/cm): 83
Salinity (ppt): 0.04
Comments:

Location: Caney Creek Upstream of US 90
Field ID: GLWA0014D-07272016
STORET #: GLWA0014
Latitude: 30.5325 (dd) **Longitude:** -83.9501 (dd)

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 7/27/16 Time 9:25 | Eastern Central | Composite end Date Time | Bottle Group(s): E

Matrix (type, e.g., Salt, Fresh, etc): Fresh
Diss. Oxygen: 9.24 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L): —
Temp (C): 24.60 | pH: 7.18 | Sample Depth: 0.055 ☐ ft ☑ m | Sp. Conductance (umho/cm): 83
Salinity (ppt): 0.04
Comments: Duplicate

Location:
Field ID: GLWA0014B-07272016
STORET #:
Latitude: (dd) **Longitude:** (dd)

☐ Comp ☐ Grab | Collection (comp begin or grab) Date 7/27/16 Time 8:25 | Eastern Central | Composite end Date Time | Bottle Group(s): F

Matrix (type, e.g., Salt, Fresh, etc): DI Water
Diss. Oxygen: ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L):
Temp (C): | pH: | Sample Depth: ☐ ft ☐ m | Sp. Conductance (umho/cm):
Salinity (ppt):
Comments: Field Blank

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Robert Wiwi	7/27/16-1440		2	CL	2:42pm 7/27/16

Request Number: RQ-2016-07-25-47

Caney Branch, Ward Creek, Lake Lafayette Drain and Little River

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Project ID: SMP

Requester: Benjamin Ralys

Collected By: Curtis Musson, Robert Wimi

Field Report Prepared By: Robert Wimi

Sampling Agency: FDEP

Location: Ward Creek At CR 3 West Bridge
Field ID: 303352108354339-07272016
STORET #: 303352108354339 ~~07272016~~ RW
Latitude: 30.564472 ☑ dd ☐ dms **Longitude:** -83.909417 ☑ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 7/27/16 Time 12:00 (Eastern) Central | Composite end Date Time | Bottle Group(s) (See pg 2): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 0.74 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 24.98 | pH: 5.75 | Sample Depth: 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm): 51

Salinity (ppt): 0.02 | Comments:

Location: Little River 100 meters upstream of SR 12
Field ID: G1WA0020-07272016
STORET #: G1WA0020
Latitude: 30.5882 ☑ dd ☐ dms **Longitude:** -84.4957 ☑ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 7/27/16 Time 13:40 (Eastern) Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 8.43 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 26.50 | pH: 6.79 | Sample Depth: 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm): 117

Salinity (ppt): 0.05 | Comments:

Location:
Field ID:
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:
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
Robert Wimi	7/27/16 - 14:40		2	[illegible]	7/27/16 2:42pm

Group	Bottle Type		# of Bottles	Preservative		Enter Number of Bottles Sent to Lab
A	P-1L	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-TDS W-TSS	1	ICE		1
A	BP-1L	CHLSUITE-W	1	ICE		1
A	P-500ML	W-ICP W-ICPMS	1	HNO3		1
A	P-500ML	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	1	ICE And H2SO4		1
A	P-125ML	W-PO4-F	1	ICE-FLTR		1
B	P-1L	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-TDS W-TSS	3	ICE		3
B	BP-1L	CHLSUITE-W	3	ICE		3
B	P-500ML	W-NH3	3	ICE And H2SO4		3

Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	3
	W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: B	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab**	3
	W-PO4-F						
Group: C	Bottle Type:	PJ-2L	# of Bottles: 2	Preservative:	Formalin	**Enter Number of Bottles Sent to Lab**	3
	MI-FW-QLDC						
Group: D	Bottle Type:	PT-50ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	0
	ALGAL_ID						
Group: E	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-TDS W-TSS						
Group: E	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	CHLSUITE-W						
Group: E	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab**	1
	W-ICP W-ICPMS						
Group: E	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: E	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab**	1
	W-PO4-F						

Group: F	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-TDS					
	W-TSS					

Group: F	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab 1
	CHLSUITE-W					

Group: F	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab 1
	W-ICP					
	W-ICPMS					

Group: F	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: F	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab 1
	W-PO4-F					

Cooler Packing Worksheet for Request: RQ-2016-07-25-47
Caney Branch, Ward Creek, Lake Lafayette Drain and Little River
Ship Cooler On: 7/11/2016 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.

Bottle Group A: freshwater kits including metals
Bottle Group B: freshwater kits no metals
Bottle Group C: Biology SCI
Bottle Group D:Biology Algal ID
Bottle Group E: 1 duplicate of bottle group A
Bottle Group F: 1 field blank of bottle group A.

4 - liters of DI water in HDPE bottles

Requested Analyses:

Bottle Group: A **# of Sites: 1**

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 00065181
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-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 1170333
Description: Brown Plastic Bottle 1L

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

Container ID: P-500ML **Qty: 1** **Preservation: HNO3** **Lot #** 0006537 2

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

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Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 0006537 2

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: 1** **Preservation: ICE-FLTR** **Lot #** 0006[illegible]035

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: 3

Container ID: P-1L **Qty: 3** **Preservation: ICE** **Lot #** 0006518 1

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-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 3** **Preservation: ICE** **Lot #** 1170333

Description: Brown Plastic Bottle 1L

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

---

Container ID: P-500ML **Qty: 3** **Preservation: ICE And H2SO4** **Lot #** 0006537 2

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: 3** **Preservation: ICE-FLTR** **Lot #** 0006 4035

Description: Plastic Bottle 125 mL

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

Bottle Group: C # of Sites: 1

Container ID: PJ-2L **Qty: 2** **Preservation: Formalin** **Lot #** Blowthrough

Description: Plastic Jar 2 L

Analysis	Description
MI-FW-QLDC	No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Bottle Group: D # of Sites: 1

Container ID: PT-50ML **Qty: 1** **Preservation: ICE** **Lot #** 03715003

Description: Plastic Tube 50 mL

Analysis	Description
ALGAL_ID	Qualitative assessment of algal taxa present without counts

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Bottle Group: E # of Sites: 1

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 00065181

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-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 1170333

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: 1** **Preservation: HNO3** **Lot #** 00065372

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

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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	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: 1** **Preservation: ICE-FLTR** **Lot #** 0026403S

Description: Plastic Bottle 125 mL

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

Bottle Group: F # of Sites: 1

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 0006548 1

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-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 1170333

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: 1** **Preservation: HNO3** **Lot #** 0006537 2

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

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Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 0006537 2

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: 1** **Preservation: ICE-FLTR** **Lot #** 0616035

Description: Plastic Bottle 125 mL

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

Cooler Packed By: _____ Date: 7-20-16

DEP Cooler ID #(s): _____

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

PLEASE RETURN ALL COOLERS FOR RQ-2016-07-25-47