FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified? Yes / (No)

WIN Station Name: Freeman Creek upstream of SR 267 (Bloxham Cutoff) **Date:** 4/25/2018 (mm/dd/yyyy)

WIN/ Field ID: G1WA0010 **WBID:** 954 **Latitude:** 30.3887 (Decimal Degrees)

County: Leon **ORG ID:** 21FLWQA **Longitude:** -84.5844 (Decimal Degrees)

Receiving Body of Water: Lake Talquin **RQ-2018-** 04-23-15

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys		X			
Jason Storrs	X		X	X	X

Sampling Equipment

- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [x] ~~Syringe~~ NA
- [ ] Dipper [ ] Other

Depth Measured with

Equipment ID

Collection Method

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

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded

Meter ID# Biology #2

Matrix: (Fresh) / Marine / DI

Photos: Yes / (No)

Flow: No Flow / Intestital / (Flowing) / NA

Tide: Rising/ Falling/ Slack/ (NA)

Tide Times: High (NA) Low (NA)

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)	825	0.2	0.1	0.2 VOB S	7.37	77.1	3.32	0.02	36	17.59
CEN										

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

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	[ ] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[ ] Ice [ ] H_2SO_4			[ ] <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			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] Ice			
Molecular	[ ] PCR-FILTER [ ] PCR-HF183 [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-GFD	[ ] Ice			
Tracers	[ ] W-SUC-AA-R [ ] W-UHERB-AA [ ] W-AHERB-AA	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-UHERB-AA [ ] W-AHERB-AA [ ] W-CARB-AA [ ] W-PCL-SQ-R [ ] W-PYR-AA-R [ ] W-GLYPH [ ] W-SUC-AA-R	[ ] Ice [ ] Other			

Place Preservative Sticker(s) Here (If Available)

Notes:

Bacteria

Freeman Creek upstream of SR 267 (Bloxham Cutoff)

WIN ID / Field ID

G1WA0010

Signature: Jason Storrs **Date:** 4/25/18

Enter Field Parameters, Verify Station ID In LIMS DMT: [illegible] 4/26/18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: CM 4-27-18 (Initials/Date)

Scan/Save Field Sheets: CM 4-27-18 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

Boldly "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 ID: Biology #2 RQ- 2018-04-23-15 Project: Salem branch Freeman, Juniper, Quincy

Notes: (1) Always wait for meter to stabilize before recording any readings.
(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
(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 _____

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.	Ben Ratys	4/25/18	7:15	20.78	8.96	8.95	100.0	55.3	–	(P) / F	(L) / F
ICV	Ben Ratys	4/25/18	7:17	20.78	8.96	8.96	100.0	55.3	–	(P) / F	(L) / F
CCV	Jason Sterrs	4/25/18	1340	22.17	8.744	8.62	99.0	54.3	–	(P) / F	(L) / F
CCV										P / F	L / F

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.	Ben Ratys	4/25/18	7:18	171005D	10/2018	1,000	1,000	(P) / F	(L) / F
ICV	Ben Ratys	4/25/18	7:20	171005D	10/2018	1,000	1,000	(P) / F	(L) / F
CCV	Jason Sterrs	4/25/18	1335	180326A	04/2019	100	101	(P) / F	(L) / F
CCV								P / F	L / F

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.	Ben Ratys	4/25/18	7:21	171005B	4/2019	7.0	7.00	4.9	(P) / F	(L) / F
Calibr.	Ben Ratys	4/25/18	7:23	171005A	10/2018	4.0	3.99	178.8	(P) / F	(L) / F
Calibr.	Ben Ratys	4/25/18	7:25	171005C	4/2019	10.0	9.96	-156.6	(P) / F	(L) / F
ICV	Ben Ratys	4/25/18	7:26	171005C	4/2019	10.0	9.94	-155.8	(P) / F	(L) / F
CCV	Jason Sterrs	4/25/18	1330	171005A	10/2018	4.0	3.89	183.2	(P) / F	(L) / F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Request Number: RQ-2018-04-23-15

Quincy, Juniper, Freeman, Salem, Swamp

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Ralys, Jason Storrs

Field Report Prepared By: Ben Ralys, Jason Storrs

Sampling Agency: FDEP

Location / Field ID / WIN/STORET #: Freeman Creek upstream of SR 267 (Bloxham Cutoff)

WIN ID / Field ID: G1WA0010

Latitude: 30.3887 ☒ dd ☐ dms | Longitude: -84.5844 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/25/18 Time 825 Eastern Central | Composite end Date — Time —

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

Diss. Oxygen: 77.1 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 17.59 | pH: 3.32 | Sample Depth: 0.1 ☐ ft ☒ m | Sp. Conductance (umho/cm): 36

Salinity (ppt): 0.02 | Comments:

Bottle Group(s) (See pg 2): C

Location / Field ID / WIN/STORET #: Juniper Creek Upstream of Juniper Creek Rd

WIN ID / FIELD ID: G1WA0059

Latitude: 30.531 ☒ dd ☐ dms | Longitude: -84.736 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/25/18 Time 905 Eastern Central | Composite end Date — Time —

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

Diss. Oxygen: 49.4 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 18.41 | pH: 5.85 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 73

Salinity (ppt): 0.03 | Comments:

Bottle Group(s): B

Location / Field ID / WIN/STORET #: Quincy Creek 100 meters upstream of Ralph Strong Rd

WIN ID / FIELD ID: G1WA0018

Latitude: 30.5837 ☒ dd ☐ dms | Longitude: -84.5503 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/25/18 Time 945 Eastern Central | Composite end Date — Time —

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

Diss. Oxygen: 95.9 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 16.55 | pH: 6.80 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 68

Salinity (ppt): 0.03 | Comments:

Bottle Group(s): A

Location / Field ID / WIN/STORET #: Salem Branch dowstream of SR 159

WIN ID / Field ID: G1WA0053

Latitude: 30.63082 ☒ dd ☐ dms | Longitude: -84.43155 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/25/18 Time 1020 Eastern Central | Composite end Date — Time —

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

Diss. Oxygen: 62.3 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 20.14 | pH: 6.99 | Sample Depth: 0.1 ☐ ft ☒ m | Sp. Conductance (umho/cm): 128

Salinity (ppt): 0.06 | Comments:

Bottle Group(s): C

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	4/25/18 1250	Drop off			

Request Number: RQ-2018-04-23-15
Quincy, Juniper, Freeman, Salem, Swamp

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT
Project ID: SMP

Requester: Curtis Musson
Collected By: Ben Ralys, Jason Storrs
Field Report Prepared By: Ben Ralys, Jason Storrs
Sampling Agency: FDEP

Location / Field ID / WIN/STORET #: Swamp Creek upstream of Railroad	WIN ID / FILED ID: G1WA0052	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/25/18 Time 1100	Eastern (circled) Central	Composite end Date — Time —		Bottle Group(s) (See pg 2): D, E (struck), WD
		Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen: 90.1 ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L): —		
		Temp (C): 18.31	pH: 6.75	Sample Depth: 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm): 62		
Latitude: 30.663 ☒ dd ☐ dms	Longitude: -84.448 ☒ dd ☐ dms	Salinity (ppt): 0.03	Comments: No SCI collected inappropriate water conditions				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
(signature)	4/25/18 1250	Drop off			

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:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ECOLI-18QT						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	PCR-FILTER PCR-HF183						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	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	Nitric Acid	12/7/18 Exp.		7341010 Lot #		
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	Sulfuric Acid	8/21/18 Exp.		SA7233030 Lot #		
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-WO-THI	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	ECOLI-18QT						
Group: B	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	PCR-FILTER						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	W-E8321-DI W-E8321-MS						
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						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	ECOLI-18QT						
Group: D	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						

Group: D	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	W-TDS W-TSS						
Group: D	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	CHLSUITE-W						
Group: D	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	ECOLI-18QT						
Group: D	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: D	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	1
	W-PO4-F						
Group: E	Bottle Type:	PT-50ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	Ø
	ALGAL_ID						
Group: E	Bottle Type:	PJ-2L	# of Bottles: 2	Preservative:	Formalin	**Enter Number of Bottles Sent to Lab**	Ø
	MI-FW-QLDC						

Cooler Packing Worksheet for Request: RQ-2018-04-23-15
Quincy, Juniper, Freeman, Salem, Swamp
Ship Cooler On: 4/19/2018
Customer/Project: WAS-SECT/SMP

Assigned To: KLUG_K
Requester: Curtis Musson
Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:
Group A: WBID 1303A, G1WA0018. Metals, Nutrients, E.coli, Trecers, PCR-FILTER, PCR-HF183

Group B: WBID 682, G1WA0059. Nutrients, E. coli, Tracers, PCR-FILTER

Group C: WBIDs 954, 480; G1WA0010, G1WA0053. E.coli.

Group D: WBID 427, G1WA0052 Chemistry. Nutrients, E. coli,

Group E: WBID 427, G1WA0052 Biology. SCI, Algal-ID

Packing Notes:
No Fedex labels
1 - case of sulfuric acid

QC bottles added-jhw

Requested Analyses:

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

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 00070681

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-SO4-IC	Sulfate in aqueous matrices
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 #** 1223623

Description: Brown Plastic Bottle 1L

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

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Container ID: P-250ML-WO-THI **Qty: 1** **Preservation: ICE** **Lot #** L17167

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

---

Container ID: QPCR-P-500ML **Qty: 1** **Preservation: ICE** **Lot #** 00070172

Description: 500ml Sterile Nalgene

Analysis	Description
PCR-FILTER	Preparation of Samples by Filtration and held for qPCR Analysis
PCR-HF183	Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

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Container ID: BG-500ML **Qty: 2** **Preservation: ICE** **Lot #** 00068279

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML **Qty: 1** **Preservation: HNO3** **Lot #** 00070440

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 #** 00070440

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: FILTER-ICE** **Lot #** 00070886

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: 1**

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 00070681

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-SO4-IC	Sulfate in aqueous matrices
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 #** 1223623

Description: Brown Plastic Bottle 1L

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

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Container ID: P-250ML-WO-THI **Qty: 1** **Preservation: ICE** **Lot #** L17167

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Container ID: QPCR-P-500ML **Qty: 1** **Preservation: ICE** **Lot #** 00070172

Description: 500ml Sterile Nalgene

Analysis	Description
PCR-FILTER	Preparation of Samples by Filtration and held for qPCR Analysis

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Container ID: BG-500ML **Qty: 2** **Preservation: ICE** **Lot #** 00068229

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 00070440

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: FILTER-ICE** **Lot #** 00070886

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: 2**

Container ID: P-250ML-WO-THI **Qty: 2** **Preservation: ICE** **Lot #** L17167

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group: D # of Sites: 1

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 00670681

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-SO4-IC	Sulfate in aqueous matrices
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 #** 1223623

Description: Brown Plastic Bottle 1L

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

Container ID: P-250ML-WO-THI **Qty: 1** **Preservation: ICE** **Lot #** L17167

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 00070440

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: FILTER-ICE** **Lot #** 00069732

Description: Plastic Bottle 125 mL

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

Bottle Group: E # of Sites: 1

Container ID: PT-50ML **Qty: 1** **Preservation: ICE** **Lot #** 03775003

Description: Plastic Tube 50 mL

Analysis	Description
ALGAL_ID	Qualitative assessment of algal taxa present without counts

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

Description: Plastic Jar 2 L

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

Cooler Packed By: KK Number of Coolers: 2 Date: 4/18/18

Kit must also include:
- J Field Sheets
- J Temperature Control Bottle
- ___ FedEx Bills, if applicable
- J Plastic Bags
- J Zip Ties

If Preservation Included:
- ID Sulfuric Acid Exp 3/26/2019 Lot # SA 8085170
- ID ___ Exp ___ Lot # ___
- ID ___ Exp ___ Lot # ___
- ID ___ Exp ___ Lot # ___
- ID ___ Exp ___ Lot # ___

PLEASE RETURN ALL COOLERS FOR RQ-2018-04-23-15