



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Wakulla At CR 365 Bridge

Date: 1/17/18

WIN/ Field ID: 34879

WBID: 1006

Latitude: 30.21373

(mm/dd/yyyy)

County: Wakulla

ORG ID: 21FLWQA

Longitude: -84.26163

(Decimal Degrees)

Receiving Body of Water: St. Marks River

RQ-2018- 01-15-02

(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
John Woods					X	X				☒ Sample Container	☐ Van Dorn	☐ Pole		
Jade Butchett						X		X	X	☐ Carboy	☒ Syringe			
										☐ Dipper	☐ Other			
										Depth Measured with Equipment ID				
										Collection Method				
Water Level: Dry/ Pooled/ Low / Normal / High / Flooded					Meter ID# EX03					Matrix: Fresh / Marine / DI				
Photos: Yes / No					Flow: No Flow / Intestinal / Flowing / NA					Tide: Rising/ Falling/ Slack/ NA				
Tide Times: High 1515 Low 840														
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)				
EST	1055	1.8	0.3	1.8	5.46	56.8	7.72	0.21	430	14.63				
CEN	1056		1.3		5.45	56.5	7.71	0.21	430	14.70				
Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:														
SBIO ID Numbers: SBIO-ID: 78173 HA-ID: 14971 RPS-ID: 8883 Macrophyte-ID: 10793 LIMS#:														
Parameter Suite		Parameter Methods					Preservation		Lot#		Expiration			
Preserved Nutrients		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☒ Ice ☒ H2SO4		7275010		12/2/18			
Metals		☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO3		72		☒ <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							
Periphyton		☐ ALGAE-ID					☐ Ice							
Microbiology		☐ E Coli ☐ F Coli ☐ Enterococci					☐ 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							

Notes:

Kit-C, SCI, Algae, RPS LVS

difficult to see bottom due to unfavorable weather conditions

↓ Location ↓

WIN ID/Field ID



34879



Wakulla River at CR 365

Signature:

[Signature]

Date:

1/17/18

Enter Field Parameters, Verify Station ID In LIMS DMT:

[Signature] 1/17/18

QC Station ID, Field Parameters In LIMS DMT:

JTB 1/22/18

Scan/Save Field Sheets

CM 4/24/18

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

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

SAMPLING AGENCY: Florida Department of Environmental Protection		STORET STATION NUMBER: 34879	DATE (MM/DD/YY): 01/17/18	RECEIVING BODY OF WATER: Wakulla
REMARKS: Difficult to see btm. unfavorable conditions	COUNTY: Wakulla	LOCATION: Wakulla @ CR 365 bridge	FIELD ID/NAME: 34879	

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components Substrate Diversity 9	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 20 72.65%	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 7 6	Less than 5% major productive habitat 5 4 3 2 1
Water Velocity 20 0.75 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 1
Habitat Smothering 14 Primary Score 67	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 Artificial Channelization 20	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 10 Left Bank 10 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 5 Left Bank 4	Width of vegetation greater than 18 m 10 9	Width of vegetation >12 to 18m 8 7 6 (18m 15m 12m)	Width of vegetation 6 to 12 m. human activities close to system 5 4 (9m)	Less than 6 m of buffer zone due to intensive human activities 3 2 1 (6-5m) (4-3m) (<2m)
Riparian Zone Vegetation Quality Right Bank 10 Left Bank 10 Secondary Score 69	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

166^W / 136 **TOTAL SCORE**

Date: 01/17/18	Analyst: J. Woods, J. Burtchett	Signature:
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Right Bank

Meter Mark	Depth (m)	Width (m)	Velocity Measurement (Sec)
Avg.			

$$\left(\frac{100}{12 * W} \right) * 2 =$$

S-
m-1418

62-160.800, F.A.C. Revision Date: March 1, 2014

DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet

SAMPLE ID _____ ORG ID 21FLWGA LATITUDE 30.21373
 COUNTY Wahulla STORET # 34879 LONGITUDE -84.26163
 DATE 1/17/18 TIME 1055 SAMPLING AGENCY 8034
 SITE NAME Wahulla @ CR 365 bridge
 FIELD ID/NAME 34879 RECEIVING BODY OF WATER St Marks

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category): Forest/Natural <u>30</u> Silviculture <u>0</u> Field/Pasture <u>0</u> Agricultural <u>0</u> Residential <u>70</u> Commercial <u>0</u> Industry <u>0</u> Other (Specify) <u>0</u>								Landscape Development Intensity Index (LDI) <u>0</u>	
Local Watershed Erosion (select one): ☒ None ☐ Slight ☐ Moderate ☐ Heavy Local Watershed NPS Pollution: ☒ No evidence ☐ Slight ☐ Moderate ☐ Heavy						Typical Width (m) Depth (m)/Velocity (m/sec) Transect <u>20</u> m wide			
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: <u>6-12</u> Right Bank: <u>6-12</u>				Hydrologic Modification Score (per FT 3101) <u>0</u>		<u>0.8</u> m/s <u>0.75</u> m/s <u>0.6</u> m/s			
High Water Mark: <u>1</u> + <u>1.8</u> = <u>2.8</u> (m) (above present water level) (present depth) (above bed)				Artificially Impounded ☐ Yes ☒ No		<u>1.3</u> m deep <u>1.8</u> m deep <u>1.3</u> m deep			
Artificially ☒ No ☐ Mostly recovered, more sinuous Channelized: ☐ Some recovery ☐ Recent, severe				Canopy Cover % ☒ Open ☐ Lightly Shaded (11-45%) ☐ Heavily Shaded ☐ Moderate Shaded (46-80%)					

SEDIMENT / SUBSTRATE

Sediment Oils ☒ Absent ☐ Slight ☐ Moderate ☐ Profuse		Sediment Odors ☐ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☒ Anaerobic ☐ Other (Specify): _____		Smothering of Substrates Sand Smothering: None ☐ Slight ☐ Moderate ☒ Severe ☐ Silt Smothering: None ☐ Slight ☒ Moderate ☐ Severe ☐ Algae Smothering: None ☒ Slight ☐ Moderate ☐ Severe ☐																																									
SUBSTRATE TYPE Assessment Tool: ☒ SCI ☒ RPS ☒ LVS ☐ LCI ☐ BioRecon			WATER QUALITY																																										
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ABUNDANCE			Water Surface Oils Normal ☒ Sheen ☐ Globs ☐ Slick ☐ Other ☐ Color Tannic ☐ Green (Algae) ☐ Clear ☒ Other (Specify) ☐ Clarity Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque ☐																																										
Not Obs. Rare Common Abundant Periphyton: ☐ ☐ ☒ ☐ Fish: ☐ ☐ ☐ ☒ Aquatic Plants: ☐ ☐ ☐ ☒ Iron/Sulfur Bacteria: ☐ ☒ ☐ ☐			System Type: Stream ☐ Lake ☐ Wetland ☐ Estuary ☒ Other (Specify) <u>River</u> AMBIENT FIELD CONDITIONS / NOTES: <u>to see in water. Foggy, rainy, cold. Hard</u> ☒ The antecedent hydrologic conditions have been met to my best knowledge.																																										
SAMPLING TEAM <u>J. Woods, J. Butchett</u>			SIGNATURE: <u>Gale RS</u>		DATE: <u>1/17/18</u>																																								

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Wakulla @ CR365 bridge County: Wakulla Date: 1/17/18 Investigators: J. Woods, J. Burtchett

STORET Station Number: 34879

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	X	✓		60	1	X	✓		
	2					2				
	3					3				
	4					4				
	5					5				
	6					6				
	7					7				
	8	✓				8				
	9	✓				9				
10	1	X	✓		70	1	X	✓		
	2					2				
	3					3				
	4					4				
	5					5				
	6					6				
	7					7				
	8	✓				8				
	9	✓				9				
20	1	X	✓		80	1	X	✓		
	2					2				
	3					3				
	4					4				
	5					5				
	6					6				
	7					7				
	8	✓				8				
	9	✓				9				
30	1	X	✓		90	1	X	✓		
	2					2				
	3					3				
	4					4				
	5					5				
	6					6				
	7					7				
	8	✓				8				
	9	✓				9				
40	1	X	✓		100	1	X	✓		
	2					2				
	3					3				
	4					4				
	5					5				
	6					6				
	7					7				
	8	✓				8				
	9	✓				9				
50	1	X	✓			1	X	✓		
	2					2				
	3					3				
	4					4				
	5					5				
	6					6				
	7					7				
	8	✓				8				
	9	✓				9				

Secchi depth 63
Estimated? 63

points ranked 4-6 0
total points assessed 0
% points ranked 4-6 0

(Exclude X's)

Check accompanying data collected at same site/date.

Algal mat sample ☒
Linear Veg Survey ☒
Habitat Assessment ☒
SCI/Biorecon ☒
Water sample ☒

RQ-2018-01-1502

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

(> 3 considered smothered)

(N to 1 mm)

(3) 6mm

(4) 20mm

(5) 10cm

(6)

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%.

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

Waterbody: Wakulla Date: 1/17/18 County: Wakulla Storet Number: 34879
Analyst: J. Woods, J. Burtch Signature: [Signature]
Comments: SMP Sampling difficult to see btm b/c weather cond.

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	
<i>Alternanthera philoxeroides</i>												<i>Myriophyllum heterophyllum</i>			✓	✓	✓						
<i>Bacopa caroliniana</i>												<i>Najas guadelupensis</i>											
<i>Bacopa monnieri</i>												<i>Nuphar luteum</i>											
<i>Bidens mitis</i>												<i>Orontium aquaticum</i>											
<i>Boehmeria cylindrica</i>												<i>Panicum hemitomon</i>											
<i>Centella asiatica</i>												<i>Panicum repens</i>											
<i>Ceratophyllum demersum</i>												<i>Panicum rigidulum</i>											
<i>Chara</i>												<i>Peltandra virginica</i>											
<i>Cicuta maculata</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		<i>Pistia stratioides</i>											
<i>Cladium jamaicense</i>												<i>Polygonum glabra</i>											
<i>Colocasia esculenta</i>												<i>Polygonum hydropiperoides</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Commelina diffusa</i>												<i>Polygonum punctatum</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Commelina virginica</i>												<i>Pontedaria cordata</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Crinum americanum</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		<i>Potamogeton illinoensis</i>											
<i>Diodia virginiana</i>												<i>Rhynchospora inundata</i> sp.			✓	✓	✓	✓	✓	✓	✓	✓	
<i>Eichhornia crassipes</i>												<i>Rosa palustris</i>											
<i>Eleocharis (wispy viviparous)</i>												<i>Ruellia simplex</i>											
<i>Hydrilla verticillata</i>												<i>Rumex verticillatus</i>											
<i>Hydrocotyle</i>												<i>Sacciolepis striata</i>											
<i>Hygrophila polysperma</i>												<i>Sagittaria kurziana</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Hymenocallis</i>												<i>Sagittaria lancifolia</i>											
<i>Lachnanthes caroliniana</i>												<i>Sagittaria latifolia</i>											
<i>Landoltia punctata</i>												<i>Salvinia minima</i>											
<i>Lemna</i>												<i>Samolus parviflora</i>											
<i>Limnophila sessiflora</i>												<i>Saururus cernuus</i>											
<i>Ludwigia leptocarpa</i>												<i>Scirpus (schenoplectus) californicus</i>										✓	
<i>Ludwigia palustris</i>												<i>Sparganium americanum</i>											
<i>Ludwigia peruviana</i>												<i>Typha</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Ludwigia repens</i>												<i>Vallisneria americana</i>	0	0	0	0	0	0	0	0	0	0	
<i>Luziola fluitans</i>												<i>Zizania aquatica</i>											
<i>Micranthemum glomeratum</i>																							
<i>Micranthemum umbrosum</i>																							
<i>Mikania scandens</i>																							
<i>Myriophyllum aquaticum</i>																							
If no Dominant or Co-Dominant were selected, indicate with "X"																							
Indicate % cover macrophytes per section												Notes:											
0-5% Macrophyte Coverage																							
>5 and ≤10% Macrophyte Coverage																							
>10 and ≤25% Macrophyte Coverage																							
>25 and ≤50% Macrophyte Coverage																							
> 50% Macrophyte Coverage												☐ < 2m2											

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 ID:

F:00 3

RQ-

Project:

BMAP Wakulla

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

12/17

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.	Jon Woods	1/17/18	813	19.0	9.276	9.37	100	-	1.05	P/F	L/F
ICV	"	"	832	19.4	9.202	9.19	100	-	-	P/F	L/F
CCV	Jade Burtchett	"	1341	13.9	10.33	10.43	101	-	-	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	Jon Woods	1/17/18	813	1711210	12/18	1000	1000	P/F	L/F
ICV	"	"	831	2710781	9/19	100	102	P/F	L/F
CCV	Jade Burtchett	"	1343	1711210	12/18	1000	1002	P/F	L/F
CCV								P/F	L/F

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.	Jon Woods	1/17/18	820	171121A	6/19	7.0	7.0	-24.1	P/F	L/F
Calibr.	"	"	825	171121K	12/18	4.0	4.0	147.6	P/F	L/F
Calibr.	"	"	828	171121B	6/19	10.0	10.0	-198.6	P/F	L/F
ICV	"	"	830	"	"	10.0	10.0	-197.5	P/F	L/F
CCV	Jade Burtchett	"	1345	171121C	12/18	4.0	4.0	149.1	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 $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 174.5, slope from 4 to 7 171.7 (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 12/17

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

COMMENTS:

Sampling Agency:

Relinquished By: J. Bortchett	Date/Time 1/17/18 1330	Shipping Method HD	Number of Coolers Shipped: 1	Received By: 	Date/Time 1/17/18 1336
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Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: ALGAL_ID	PT-50ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: MI-FW-QLDC	PJ-2L	# of Bottles: 4	Preservative: Formalin	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab