

RQ- 2019-12-16-47

Login Checklist

Login Station ID: #2

IM
12/18/19Shipping Method: FedEx | UPS | HD | GreyhoundDate/Time of Receipt: 12/18/19@ 10:35 14:46

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
1.1 1.3				26 14		☒			
						☒			

*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DiOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO₃ and Formalin preserved samples do **NOT** have a temperature requirement. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; An NCR still is required.**

Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ☐ No ☒**Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

CONTAINER CHECK

Evidence Tape on Bottles? Yes ☐ No ☐ If yes, is it intact? Yes ☒ No ☐Caps on tight? Yes ☒ No ☐ **Containers intact? Yes ☒ No ☐**Sufficient Sample Volume: Yes ☒ No ☐

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ☐ No ☒ Init: IM

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☐ Init:

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: IMW-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: IMCoolers Unpacked/Checked by: IMDate: 12/18/19NCRs (Y/N)? NEvent ID: Merrit's Mill Pond BMAP
WAS-SECT-2019-12-18-01 (BMAP)NCR # Date Received: 18-DEC-2019 14:46

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	REC_02_2018 EXP: 4/29/20
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	
pH Paper 0 – 13 Lot #	215517 EXP: 6/1/20
Chlorine Test Strips Lot #	8261 EXP: 7/2020

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No ☒

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

Request Number: RQ-2019-12-16-47

Merritt's Mill Pond BMAP

Florida Department of Environmental Protection Central Laboratory Submittal Form

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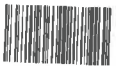
last revised Jan 25, 2018

Customer: WAS-SECT

Project ID: BMAP

Requester: Curtis Musson

Collected By: Curtis MussonField Report Prepared By: Curtis MussonSampling Agency: FD EP

Location		WIN ID / FILED ID →  G2WA0009	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/18/19</u> Time <u>0853</u>	Eastern <u>Central</u>	Composite end Date <u> </u> Time <u> </u>	Bottle Group(s) (See pg 2)
Field ID	Location	Merritt's Mill Pond 500 meters upstream of dam	Matrix (type, e.g., Salt, Fresh, etc) <u>Group A Fresh / B: Biological</u>	Diss. Oxygen <u>86.9</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u> </u>	<u>A, B</u>
WIN/STORET #	Latitude	☐ dd ☐ dms	Temp (C) <u>15.25</u>	pH <u>7.80</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>278</u>	
Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.13</u>	Comments <u>RPS, Algal ID</u>				
Location		FILED ID →  FB_12182019	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/18/19</u> Time <u>1012</u>	Eastern <u>Central</u>	Composite end Date <u> </u> Time <u> </u>	Bottle Group(s)
Field ID	Location	Merritt's Mill Pond mid under powerlines	Matrix (type, e.g., Salt, Fresh, etc) <u>Field Blank</u>	Diss. Oxygen <u> </u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u> </u>	<u>C</u>
WIN/STORET #	Latitude	☐ dd ☐ dms	Temp (C) <u> </u>	pH <u> </u>	Sample Depth <u> </u>	Sp. Conductance (umho/cm) <u> </u>	
Longitude	☐ dd ☐ dms	Salinity (ppt) <u> </u>	Comments <u>Field Blank</u>				
Location		WIN ID / FILED ID →  G2WA0008	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/18/19</u> Time <u>1024</u>	Eastern <u>Central</u>	Composite end Date <u> </u> Time <u> </u>	Bottle Group(s)
Field ID	Location	Merritt's Mill Pond mid under powerlines	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>90.0</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u> </u>	<u>A</u>
WIN/STORET #	Latitude	☐ dd ☐ dms	Temp (C) <u>16.80</u>	pH <u>7.86</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>278</u>	
Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.13</u>	Comments <u>Paired with DUP</u>				
Location		WIN ID G2WA0008	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12-18-19</u> Time <u>1031</u>	Eastern <u>Central</u>	Composite end Date <u> </u> Time <u> </u>	Bottle Group(s)
Field ID	Location	Merritt's Mill Pond mid under powerlines	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u> </u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u> </u>	<u>A</u>
WIN/STORET #	Latitude	☐ dd ☐ dms	Temp (C) <u> </u>	pH <u> </u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u> </u>	
Field ID	Longitude	☐ dd ☐ dms	Salinity (ppt) <u> </u>	Comments <u>Paired cm DUP</u>			

Relinquished By: <u>Curtis Musson</u> <u>Curtis Musson</u>	Date/Time <u>12/18/19 1446</u>	Shipping Method <u>Hand-OFF</u>	Number of Coolers Shipped: <u>2</u>	Received By: 	Date/Time <u>12/18/19 1446</u>
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Group: A	Bottle Type: P-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>5</u>
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS				
Group: A	Bottle Type: BP-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>5</u>
CHLSUITE-W				
Group: A	Bottle Type: P-500ML	# of Bottles: 5	Preservative: HNO3	Enter Number of Bottles Sent to Lab <u>5</u>
W-ICP W-ICPMS				
HNO3 LOT# NA9189080 F-EXP: 07/08/20				
Group: A	Bottle Type: P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>5</u>
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC				
H2SO4 LOT# SA9129100 EXP: 05/09/2020				
Group: A	Bottle Type: P-125ML	# of Bottles: 5	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>5</u>
W-PO4-F				
Group: B	Bottle Type: PT-50ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
ALGAL_ID				
Group: C	Bottle Type: P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS				

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson

Project ID: BMAP

Collected By: Curtis MussonSampling Agency: FDAP

Location		WIN ID / FILED ID → 		☐ Comp	Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s) (See pg 2)
Field ID		G2WA0022		☒ Grab	Date	Time	Central	Date	Time	
WIN/STORET #		Location  SHANGRI LA SPRING Vent		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L	Total Res. Chlorine (mg/L)	A
Latitude		Longitude		Temp (C)		pH		☐ ft	Sp. Conductance (umho/cm)	
				Salinity (ppt)		Comments		☒ m		
Location		WIN ID / FILED ID → 		☐ Comp	Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s)
Field ID		G2WA0007		☒ Grab	Date	Time	Central	Date	Time	
WIN/STORET #		Location Merritt's Mill Pond 600 meters downstream of Jackson Blue Sp		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L	Total Res. Chlorine (mg/L)	A
Latitude		Longitude		Temp (C)		pH		☐ ft	Sp. Conductance (umho/cm)	
				Salinity (ppt)		Comments		☒ m		
Location				☐ Comp	Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s)
Field ID				☐ Grab	Date	Time	Central	Date	Time	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L	Total Res. Chlorine (mg/L)	
Latitude		Longitude		Temp (C)		pH		☐ ft	Sp. Conductance (umho/cm)	
				Salinity (ppt)		Comments		☐ m		
Location				☐ Comp	Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s)
Field ID				☐ Grab	Date	Time	Central	Date	Time	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L	Total Res. Chlorine (mg/L)	
Latitude		Longitude		Temp (C)		pH		☐ ft	Sp. Conductance (umho/cm)	
				Salinity (ppt)		Comments		☐ m		

Relinquished By: <u>Curtis Musson</u>	Date/Time: <u>12/18/19 1446</u>	Shipping Method: <u>Hand Off</u>	Number of Coolers Shipped: <u>2</u>	Received By: 	Date/Time: <u>12/18/19 1446</u>
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Curtis Musson

Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	5
	W-ICP W-ICPMS		HNO3 LOT# NA9189080 F-EXP: 07/08/20				
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	5
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC		H2SO4 LOT# SA9129100 EXP: 05/09/2020				
Group: A	Bottle Type:	P-125ML	# of Bottles: 5	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	5
	W-PO4-F						
Group: B	Bottle Type:	PT-50ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALGAL_ID						
Group: C	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: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
	W-ICP		HNO3	
	W-ICPMS		LOT# NA9189088 F-EXP: 07/08/20	
Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3		H2SO4	
	W-NO2NO3		LOT# SA9129100	
	W-S-A-TP		EXP: 05/09/2020	
	W-TKN			
	W-TOC			
Group: C	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F			

Date of Request: 09-DEC-2019
 Created By: MUSSON_C On: 09-DEC-2019
 Modified By: JASROTIA_P On: 09-DEC-2019
 Customer: WAS-SECT
 Project: BMAP
 Division:
 District:
 Sampling Event: Merrit's Mill Pond BMAP

Send Coolers To:

Phone: 850-245-8453
 2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Curtis Musson

Program Module Number:
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 09-DEC-2019
 Biology Request Reviewed By: JASROTIA_P On: 09-DEC-2019
 Sampling Kit Required: YES Ship on: 13-DEC-2019
 Sampling Kit Shipped: YES On: 13-DEC-2019
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 18-DEC-2019
 Received By:

Send Final Report To:

2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Curtis Musson

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

Comments: Group A: Nutrients, Metals x5
 Group B: Algal_ID x1
 Group C Nutrients, Metals - Blank

Packing Notes:
 No Fedex Labels
 No Trash Bags

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-1L	Number of Bottles: 5	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
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)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 5	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 5	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
Barium		
Calcium		
Iron		
Magnesium		
Potassium		
Sodium		
Zinc		

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-500ML	Number of Bottles: 5	Preserved With: HNO3
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

*Boron
Aluminum
Antimony
Arsenic
Cadmium
Chromium
Copper
Lead
Nickel
Selenium
Silver
Thallium

Bottle Type: P-500ML	Number of Bottles: 5	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML	Number of Bottles: 5	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Biological) With 1 Samples:

Bottle Type: PT-50ML	Number of Bottles: 1	Preserved With: ICE
ALGAL_ID	Template: DEFAULT	(SOP-AB05) Qualitative assessment of algal taxa present without counts

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
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)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Bottle Type: P-500ML	Number of Bottles: 1	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

Barium
Calcium
Iron
Magnesium
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
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*Boron
Aluminum
Antimony
Arsenic
Cadmium
Chromium
Copper
Lead

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Nickel		
Selenium		
Silver		
Thallium		
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.