Reaves, Shawn D

From: Meyer, Sarah
Sent: Tuesday, October 11, 2022 12:16 PM
To: Reaves, Shawn D; Paswater, Benjamin
Cc: Klug, Kyle
Subject: Re: RQ-2022-09-19-24

That is correct. It should be Gamble Creek West Branch @ CR 675.

Thank you,
Sarah Meyer

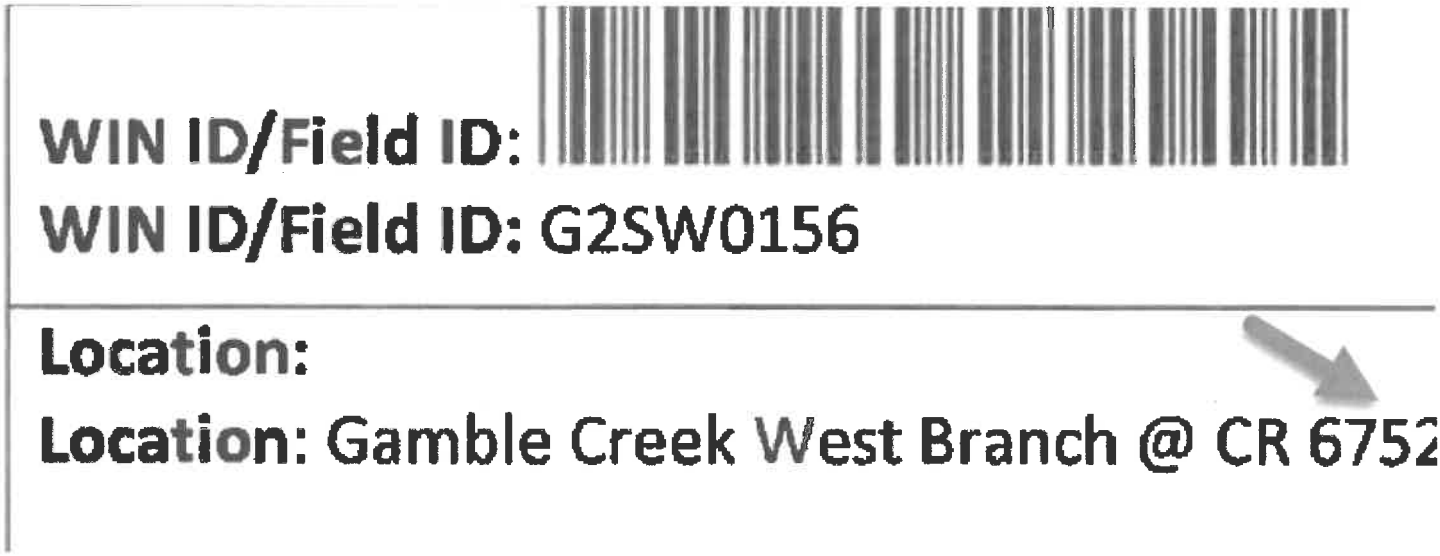
Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

From: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Sent: Tuesday, October 11, 2022, 11:28 AM
To: Paswater, Benjamin; Meyer, Sarah
Cc: Klug, Kyle
Subject: RQ-2022-09-19-24

God Morning Ben/Sarah,

Can you verify the location below should it be Gamble Creek West Branch @ Cr 67526.4 or Gamble Creek West Branch @ Cr 675

Thanks,
Shawn



Klug, Kyle

From: Meyer, Sarah
Sent: Tuesday, September 20, 2022 2:13 PM
To: Warren, Kalina; Hogue, Alicia; Paswater, Benjamin; Lab.Receiving
Subject: RE: RQ-2022-09-19-24 - Lab Submittal Forms
Attachments: RQ-2022-09-19-24_CoverSheetComplete_09192022.pdf

Please find the field sheets for RQ-2022-09-19-24 attached.

Sarah Meyer
Florida Department of Environmental Protection
Southwest Regional Operation Center
Environmental Specialist III
Sarah.meyer@FloridaDEP.gov
Office: 813-470-5782
Cell: 813-955-1560

From: Warren, Kalina <Kalina.Warren@dep.state.fl.us>
Sent: Tuesday, September 20, 2022 2:09 PM
To: Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>; Paswater, Benjamin <Benjamin.Paswater@dep.state.fl.us>
Cc: Meyer, Sarah <Sarah.Meyer@dep.state.fl.us>
Subject: RE: RQ-2022-09-19-24 - Lab Submittal Forms

Ben is still in the field,
I will ask someone else to respond.
Kalina

From: Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>
Sent: Tuesday, September 20, 2022 1:36 PM
To: Paswater, Benjamin <Benjamin.Paswater@dep.state.fl.us>
Cc: Warren, Kalina <Kalina.Warren@dep.state.fl.us>; Meyer, Sarah <Sarah.Meyer@dep.state.fl.us>
Subject: RQ-2022-09-19-24 - Lab Submittal Forms
Importance: High

Good day Ben,

Receiving called me earlier concerning incomplete submission of chain of custody forms. They said that you only emailed them the overflow lab submittal form. Please email them the complete set of submittal forms for RQ-2022-09-19-24 to the Lab Receiving email ASAP.

Please confirm with me when this has been completed.

Best,
Alicia

Login Checklist

RQ- 2022-09-19-24 Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound Date/Time of Receipt: 09/20/2022 9:10

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
	YES	HNO_3	Formalin		Yes	No	Yes	No	
1.4				13		X			5225 5548 9769

COOLER CHECK

***All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.**

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. **NCR#** _____
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. **NCR#** _____
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. **NCR#** _____
- If coolers or samples are received late; identify the affected samples in an NCR. **NCR#** _____

Chain of Custody/ Field Sheet(s) Included? Yes ✓ No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ✓ No _____

CONTAINER CHECK

Evidence Tape on Bottles? Yes _____ No _____ NA ✓ Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken? Yes _____ No _____ Containers intact? Yes ✓ No _____

Caps on tight? Yes ✓ No _____

Sufficient Sample Volume: Yes ✓ No _____

If NO is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# _____

CHLORINE CHECK REQUIRED? *(Blue dot on container)* Yes ✓ No _____ Init: KH

Chlorine detected? *(One container checked per Field ID)* Yes _____ No ✓ Init: ZR

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# _____

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

**Acid Preserved Samples: pH< 2.0? Yes ✓ No _____ NA _____ Init: ZR

**W-1-4-DIOX *(Green dot on container)* preserved to pH< 4.0? Yes _____ No _____ NA ✓ Init: KH

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

Coolers Unpacked/Checked by: KH/ZR **Date:** 09/20/2022 **Event contains NCRs (Y/N)?** N

EventID: Run 7: Gilly Gamble Buffalo Manatee
SW-DIST-2022-09-20-02 (SMP)
—Date Received: 20-SEP-2022 09:10

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
Infrared Thermometer ID:	IR TEMP GUN #4 Exp:10/19/2022
pH Test Strips 0 – 6	LOT# 223819AV Exp: AUG 30, 2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT# 207621 Exp: March 15, 2024
Chlorine Test Strips	LOT# 0070 Exp: Feb. 2023

Additional Comments:

ENCORE SAMPLES

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

Were Encore samples received? Yes_____ Init:_____

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes_____ No_____

If no, were samples shipped on dry ice? Yes_____ No_____

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 9/19/2022
Customer: SW-DIST
RQ: RQ-2022-09-19-24
Collected By: Ben Paswater, Sarah Meyer
Sampling Agency: FDEP
Project ID: SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

Number of Coolers Shipped: 1 **Delivery Method:** FedEx

FIELD ID (Labels) submitted under this RQ for this collection date.

Site Location	Field ID/WIN ID
Manatee River off of Woodys	G2SW0120
Buffalo Creek Canal @ 115th Ave	G1SW0123
Gilley Creek downstream	G2SW0039
Gamble Creek West Branch @ CR 67526.4	G2SW0156
Gamble Creek @ CR 675	G2SW0140
Gamble Creek @ Golf Course Rd.	G2SW0107
Manatee River near River Isles Clubhouse	G2SW0119
Gilley Crk @ Stricklands	G2SW0024

RELINQUISHED BY(SIGNATURE): B. Pasmat.

DATE/TIME: 9/19/2022 1700 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: KH

Rec'd/Inspected Date: 9.20.22 / 0910

RQ-2022-09-19-24	**Collected By**: Ben Paswater, Sarah Meyer
Customer: FDEP	**Field Report Prepared by**: Ben Paswater, Sarah Meyer
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G2SW0119	**Comments**: Microbiology sample(s) submitted to contract laboratory.

Location:
Location: Manatee River near River Isles Clubhouse

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
9/19/2022 1455	5.12	65.1	28.4	6.78	0.3	1.4	1.4	474.6	0.23

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot # Exp:	Ice H2SO4*	<2		
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # Exp:	Ice HNO3*	<2		
Filtered Nutrients (P125ML)	W-PO4-F Field Filtered 0.45 um Filter Filter Lot # Syringe Lot #	Ice			
BOD (BP-1L)	OV-BODUNIN	Ice			
Chlorophyll (BP-1L)	CHLSUITE-W	Ice			
Physical/Aggregate (Fresh) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS	Ice			
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY	Ice			
Macroinvertebrates (PJ-2L)	MI-FW-QLDC **Formalin Lot #**	Formalin			
Periphyton (PT-50ML)	ALGAE-ID	Ice			
Microbiology (Contract Lab Bottle)	E Coli F Coli X Enterococci X Contract Lab	x Ice		1	D
Molecular (QPCR-P-500ML)	PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD	Ice			
Tracers (BG-500ML)	X W-E8321-DI X W-E8321-MS	x Ice		1	D
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI W-E8321-MS W-PSNP-TQ W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R W-TR-SQ-R W-PCB-TQ-R	Ice MCAA Exp.	MCAA Lot#		
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice			

RQ-2022-09-19-24	**Collected By**: Ben Paswater, Sarah Meyer
Customer: FDEP	**Field Report Prepared by**: Ben Paswater, Sarah Meyer
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G1SW0123	**Comments**: Microbiology sample(s) submitted to contract laboratory.

Location:
Location: Buffalo Creek Canal @ 115th Ave

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
9/19/2022 1120	5.24	65.3	26.6	6.78	0.3	0.4	0.4	452.3	0.22111

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP; Lot #: ; Exp:	Ice; H2SO4*	<2		
Metals (P-500ML)	W-ICPMS; W-ICP; W-HARD; Lot #: ; Exp:	Ice; HNO3*	<2		
Filtered Nutrients (P125ML)	W-PO4-F; Field Filtered 0.45 um Filter; Filter Lot #: ; Syringe Lot #:	Ice			
BOD (BP-1L)	OV-BODUNIN	Ice			
Chlorophyll (BP-1L)	CHLSUITE-W	Ice			
Physical/Aggregate (Fresh) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS	Ice			
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY	Ice			
Macroinvertebrates (PJ-2L)	MI-FW-QLDC; Formalin Lot #	Formalin			
Periphyton (PT-50ML)	ALGAE-ID	Ice			
Microbiology (Contract Lab Bottle)	X E Coli; F Coli; Enterococci; X Contract Lab	x Ice		1	B
Molecular (QPCR-P-500ML)	X PCR-HF183; X PCR-BacR; X PCR-DG3; PCR-GULL2; PCR-GFD	x Ice		1	B
Tracers (BG-500ML)	X W-E8321-DI; X W-E8321-MS	x Ice		1	B
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI; W-E8321-MS; W-PSNP-TQ; W-PCL-TQ-R; W-CARB-AA (5 ml of MCAA Buffer Solution); W-CT-CL-R; W-TR-SQ-R; W-PCB-TQ-R	Ice; MCAA Exp.: ; MCAA Lot#:			
Phytoplankton	DTY-QN-C; PKD-QN-BV	Ice			

RQ-2022-09-19-24	**Collected By:** Ben Paswater, Sarah Meyer
Customer: FDEP	**Field Report Prepared by:** Ben Paswater, Sarah Meyer
Project ID: SMP	**Sampling Agency:** FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G2SW0156	**Comments:** Microbiology sample(s) submitted to contract laboratory.

Location:
Location: Gamble Creek West Branch @ CR 67526.4

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
9/19/2022 1330	4.29	53.4	26.4	6.74	0.3	1.4	1.4	278.9	0.13

Parameter Suite	Parameter Methods	Preservation	pH Check		# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	X W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot # SA1308030 Exp: 12/01/2022	x Ice x H2SO4*	X	<2	1	E
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # Exp:	Ice HNO3*		<2		
Filtered Nutrients (P125ML)	x W-PO4-F x Field Filtered 0.45 um Filter Filter Lot # 17232873 Syringe Lot # 1145497	x Ice			1	E
BOD (BP-1L)	OV-BODUNIN	Ice				
Chlorophyll (BP-1L)	x CHLSUITE-W	x Ice			1	E
Physical/Aggregate (Fresh) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS	Ice				
Physical/Aggregate (Marine) (P-1L)	X Alkalinity / W-F / W-TSS / TURBIDITY	x Ice			1	E
Macroinvertebrates (PJ-2L)	MI-FW-QLDC **Formalin Lot #**	Formalin				
Periphyton (PT-50ML)	ALGAE-ID	Ice				
Microbiology (Contract Lab Bottle)	X E Coli F Coli Enterococci X Contract Lab	x Ice			1	E
Molecular (QPCR-P-500ML)	X PCR-HF183 X PCR-BacR X PCR-DG3 PCR-GULL2 PCR-GFD	x Ice			1	B
Tracers (BG-500ML)	X W-E8321-DI X W-E8321-MS	x Ice			1	B
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI W-E8321-MS W-PSNP-TQ W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R W-TR-SQ-R W-PCB-TQ-R	Ice **MCAA Exp.**	**MCAA Lot#**			
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice				

RQ-2022-09-19-24	**Collected By**: Ben Paswater, Sarah Meyer
Customer: FDEP	**Field Report Prepared by**: Ben Paswater, Sarah Meyer
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G2SW0024	**Comments**: Microbiology sample(s) submitted to contract laboratory.

Location:
Location: Gilley Crk @ Stricklands

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
9/19/2022 1255	7.19	87.2	25.1	6.02	0.3	1.2	1.2	95.8	0.04

Parameter Suite	Parameter Methods	Preservation	pH Check		# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	X W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot # SA1308030 Exp: 12/01/2022	X Ice X H2SO4*	X	<2	1	E
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # Exp:	Ice HNO3*		<2		
Filtered Nutrients (P125ML)	X W-PO4-F X Field Filtered 0.45 um Filter Filter Lot # 17232873 Syringe Lot # 1145497	X Ice			1	E
BOD (BP-1L)	OV-BODUNIN	Ice				
Chlorophyll (BP-1L)	X CHLSUITE-W	X Ice			1	E
Physical/Aggregate (Fresh) (P-1L)	X Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS	X Ice			1	E
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY	Ice				
Macroinvertebrates (PJ-2L)	MI-FW-QLDC **Formalin Lot #**	Formalin				
Periphyton (PT-50ML)	ALGAE-ID	Ice				
Microbiology (Contract Lab Bottle)	X E Coli F Coli Enterococci X Contract Lab	X Ice			1	E
Molecular (QPCR-P-500ML)	PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD	Ice				
Tracers (BG-500ML)	W-E8321-DI W-E8321-MS	Ice				
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI W-E8321-MS W-PSNP-TQ W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R W-TR-SQ-R W-PCB-TQ-R	Ice MCAA Exp.	MCAA Lot#			
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice				

RQ-2022-09-19-24	**Collected By**: Ben Paswater, Sarah Meyer
Customer: FDEP	**Field Report Prepared by**: Ben Paswater, Sarah Meyer
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G2SW0120	**Comments**: Microbiology sample(s) submitted to contract laboratory.

Location:
Location: Manatee River off of Woodys

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
9/19/2022 1040	5.85	76.2	28.7	7.01	0.3	1.3	1.3	1866	0.94

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot # Exp:	Ice H2SO4*	<2		
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # Exp:	Ice HNO3*	<2		
Filtered Nutrients (P125ML)	W-PO4-F Field Filtered 0.45 um Filter Filter Lot # Syringe Lot #	Ice			
BOD (BP-1L)	OV-BODUNIN	Ice			
Chlorophyll (BP-1L)	CHLSUITE-W	Ice			
Physical/Aggregate (Fresh) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS	Ice			
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY	Ice			
Macroinvertebrates (PJ-2L)	MI-FW-QLDC **Formalin Lot #**	Formalin			
Periphyton (PT-50ML)	ALGAE-ID	Ice			
Microbiology (Contract Lab Bottle)	E Coli F Coli X Enterococci X Contract Lab	x Ice		1	C
Molecular (QPCR-P-500ML)	PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD	Ice			
Tracers (BG-500ML)	W-E8321-DI W-E8321-MS	Ice			
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI W-E8321-MS W-PSNP-TQ W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R W-TR-SQ-R W-PCB-TQ-R	Ice MCAA Exp.	MCAA Lot#		
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice			

RQ-2022-09-19-24	**Collected By**: Ben Paswater, Sarah Meyer
Customer: FDEP	**Field Report Prepared by**: Ben Paswater, Sarah Meyer
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G2SW0039	**Comments**: Microbiology sample(s) submitted to contract laboratory.

Location:
Location: Gilley Creek downstream

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
9/19/2022 1220	7.19	87.1	25	6.33	0.3	0.7	0.7	97.9	0.04

Parameter Suite	Parameter Methods					Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					Ice H2SO4*	<2		
		Lot #		Exp:						
Metals (P-500ML)		W-ICPMS	W-ICP	W-HARD			Ice HNO3*	<2		
		Lot #		Exp:						
Filtered Nutrients (P125ML)		W-PO4-F	Field Filtered 0.45 um Filter				Ice			
		Filter Lot #		Syringe Lot #						
BOD (BP-1L)		OV-BODUNIN					Ice			
Chlorophyll (BP-1L)		CHLSUITE-W					Ice			
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS					Ice			
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY					Ice			
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #				Formalin			
Periphyton (PT-50ML)		ALGAE-ID					Ice			
Microbiology (Contract Lab Bottle)	X	E Coli	F Coli	Enterococci		x	Ice		1	A
	X	Contract Lab								
Molecular (QPCR-P-500ML)		PCR-HF183	PCR-BacR	PCR-DG3			Ice			
		PCR-GULL2	PCR-GFD							
Tracers (BG-500ML)		W-E8321-DI	W-E8321-MS				Ice			
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI	W-E8321-MS	W-PSNP-TQ			Ice	MCAA Exp.	MCAA Lot#	
		W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA Buffer Solution)	W-CT-CL-R						
		W-TR-SQ-R	W-PCB-TQ-R							
Phytoplankton		DTY-QN-C	PKD-QN-BV				Ice			

RQ-2022-09-19-24	**Collected By**: Ben Paswater, Sarah Meyer
Customer: FDEP	**Field Report Prepared by**: Ben Paswater, Sarah Meyer
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G2SW0140	**Comments**: Microbiology sample(s) submitted to contract laboratory.

Location:
Location: Gamble Creek @ CR 675

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
9/19/2022 1405	5.96	72.7	25.4	6.88	0.3	1.4	1.4	280	0.13

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP; Lot #; Exp:	Ice; H2SO4*	<2		
Metals (P-500ML)	W-ICPMS; W-ICP; W-HARD; Lot #; Exp:	Ice; HNO3*	<2		
Filtered Nutrients (P125ML)	W-PO4-F; Field Filtered 0.45 um Filter; Filter Lot #; Syringe Lot #	Ice			
BOD (BP-1L)	OV-BODUNIN	Ice			
Chlorophyll (BP-1L)	CHLSUITE-W	Ice			
Physical/Aggregate (Fresh) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS	Ice			
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY	Ice			
Macroinvertebrates (PJ-2L)	MI-FW-QLDC; Formalin Lot #	Formalin			
Periphyton (PT-50ML)	ALGAE-ID	Ice			
Microbiology (Contract Lab Bottle)	X E Coli; F Coli; Enterococci; X Contract Lab	x Ice		1	B
Molecular (QPCR-P-500ML)	PCR-HF183; PCR-BacR; PCR-DG3; PCR-GULL2; PCR-GFD	Ice			
Tracers (BG-500ML)	W-E8321-DI; W-E8321-MS	Ice			
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI; W-E8321-MS; W-PSNP-TQ; W-PCL-TQ-R; W-CARB-AA (5 ml of MCAA Buffer Solution); W-CT-CL-R; W-TR-SQ-R; W-PCB-TQ-R	Ice; MCAA Exp.; MCAA Lot#			
Phytoplankton	DTY-QN-C; PKD-QN-BV	Ice			

RQ-2022-09-19-24	**Collected By**: Ben Paswater, Sarah Meyer
Customer: FDEP	**Field Report Prepared by**: Ben Paswater, Sarah Meyer
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G2SW0107	**Comments**: Microbiology sample(s) submitted to contract laboratory.

Location:
Location: Gamble Creek @ Golf Course Rd.

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
9/19/2022 1430	4.14	50.9	25.8	6.78	0.3	1.3	1.3	283	0.13

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot # ☐ Exp:	☐ Ice ☐ H2SO4*	<2		
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # ☐ Exp:	☐ Ice ☐ HNO3*	<2		
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 um Filter Filter Lot # ☐ Syringe Lot # ☐	☐ Ice			
BOD (BP-1L)	☐ OV-BODUNIN	☐ Ice			
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC **Formalin Lot #** ☐	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	X E Coli ☐ F Coli ☐ Enterococci X Contract Lab	x Ice		1	A
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA Buffer Solution) ☐ W-CT-CL-R ☐ W-TR-SQ-R ☐ W-PCB-TQ-R	☐ Ice **MCAA Exp.**	**MCAA Lot#**		
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-BV	☐ Ice			

Benchmark EnviroAnalytical,Inc
1711 12th Street East
Palmetto, Fl 34221
941-723-9986
941-723-6061 Fax

PO#__C00EF5

Client Information: **DEP: SW-DIST**

Address: 13051 N. Telecom Parkway
Tampa FL 33604

Phone # 815-470-5878

Report to: benjamin.paswater@dep.state.fl.us
DEP-Overflomicro@dep.state.fl.us

Invoice to: FDEP Micro Overflow NH

Project Name: RQ-2022- 09-19-24

Laboratory Submission # 22091078 111

Sample Name	Sample Type[1] / Sample Matrix[2]	Collection		Container			Preservative[4]	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type[3]			
G2SW0120	SW	09/19/2022	1040	1	250mL	P	Plain (on Ice)	Entero	1
G1SW0123	SW		1120	1	250mL	P	Plain (on Ice)	E coli	2
G2SW0039	SW		1220	1	250mL	P	Plain (on Ice)	E coli	3
G2SW0024	SW		1255	1	250mL	P	Plain (on Ice)	E coli	4
G2SW0156	SW		1330	1	250mL	P	Plain (on Ice)	E coli	5
G2SW0140	SW		1405		250mL	P	Plain (on Ice)	E coli	6
G2SW0107	SW		1430		250mL	P	Plain (on Ice)	E coli	7

"Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
"Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
"Container Type" is used to indicate whether the container is plastic (P) or glass (G).
Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).
Under "Preservative," list any preservatives that were added to the sample container.

Instructions:
1. Each bottle has a label identifying sample ID, pre-measured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Laboratory Sample Acceptability:
Temperature: 0.4°C

		Date	Time		Date	Time
1	Collected / Relinquished By:	09/19/22	1553	Received By:	9-19-22	1555
2	Relinquished By:	Date	Time	Received By:	Date	Time

Benchmark EnviroAnalytical,Inc
1711 12th Street East
Palmetto, Fl 34221
941-723-9986
941-723-6061 Fax

PO#__C00EF5

Client Information: **DEP: SW-DIST**

Address: 13051 N. Telecom Parkway
Tampa FL 33604

Phone # 815-470-5878

Report to: benjamin.paswater@dep.state.fl.us
DEP-Overflomicro@dep.state.fl.us

Invoice to: FDEP Micro Overflow NL

Project Name: RQ-2022- 09-19-22

Laboratory Submission # 220911811

Sample Name	Sample Type[1] / Sample Matrix[2]	Collection		Container			Preservative[4]	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type[3]			
G2SW0119	SW	09/19/2022	1455	1	250mL	P	Plain (on Ice)	Entero	8
	SW				250mL	P	Plain (on Ice)		
	SW				250mL	P	Plain (on Ice)		
	SW				250mL	P	Plain (on Ice)		
	SW				250mL	P	Plain (on Ice)		
	SW				250mL	P	Plain (on Ice)		
	SW				250mL	P	Plain (on Ice)		

1 "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
2 "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
3 "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
4 Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).
Under "Preservative," list any preservatives that were added to the sample container.

Instructions:
1. Each bottle has a label identifying sample ID, preconcerved preservative contained in the bottle, sample type, client ID, and parameters for analysis.
2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Laboratory Sample Acceptability:
Temperature: 0.4 °C

		Date	Time		Date	Time
1	Collected / Relinquished By:	09/19/22	1554	Received By:	9-19-22	1555
2	Relinquished By:	Date	Time	Received By:	Date	Time

RQ-2022-09-19-24

Date of Request: 24-AUG-2022
Created By: PASWATER_B On: 24-AUG-2022
Modified By: AYRES_J On: 31-AUG-2022
Customer: SW-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Southwest District
Event Description: Run 7: Gilly Gamble Buffalo Manatee

Send Coolers To:

Phone: 813-632-7600
FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
Attn: Ben Paswater
Cooler Ship EMail: benjamin.paswater@dep.state.fl.us

Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: AYRES_J On: 31-AUG-2022
Biology Request Reviewed By: JASROTIA_P On: 30-AUG-2022
Sampling Kit Required: YES Ship on: 09-SEP-2022
Sampling Kit Shipped: YES On: 06-SEP-2022
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 19-SEP-2022
Logged In By:

Send Final Report To:

FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
Attn: Ben Paswater
Report Notification EMail:
benjamin.paswater@dep.state.fl.us;sarah.meyer@dep.state.fl.us
;jacob.yodzis@dep.state.fl.us

Comments: Run 7: Gilly Gamble Buffalo Manatee

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-250ML-WI-THI Number of Bottles: 2 Preserved With: ICE
SW-BEA-ECQ Template: DEFAULT (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by BEA in Palmetto

Bottle Group B (Water) With 3 Samples:

Bottle Type: QPCR-P-500ML Number of Bottles: 3 Preserved With: ICE
PCR-BACR Template: DEFAULT (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction
PCR-DG3 Template: DEFAULT (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction
PCR-HF183 Template: DEFAULT (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
Bottle Type: P-250ML-WI-THI Number of Bottles: 3 Preserved With: ICE
SW-BEA-ECQ Template: DEFAULT (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by BEA in Palmetto
Bottle Type: BG-500ML Number of Bottles: 3 Preserved With: ICE
W-E8321-DI Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS Template: SMP/96% (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-250ML-WI-THI Number of Bottles: 1 Preserved With: ICE
SW-BEA-ENQ Template: DEFAULT (Enterolert/QT) Enterococci by Enterolert/QT by BEA in Palmetto

Bottle Group D (Water) With 1 Samples:

Bottle Type: P-250ML-WI-THI Number of Bottles: 1 Preserved With: ICE
SW-BEA-ENQ Template: DEFAULT (Enterolert/QT) Enterococci by Enterolert/QT by BEA in Palmetto
Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: ICE
W-E8321-DI Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS Template: SMP (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group E (Water) With 2 Samples:

Bottle Type: P-250ML-WI-THI Number of Bottles: 2 Preserved With: ICE
SW-BEA-ECQ Template: DEFAULT (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by BEA in Palmetto
Bottle Type: P-500ML Number of Bottles: 2 Preserved With: ICE And H2SO4

Bottle Group E (Water) With 2 Samples:

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
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-2011)	Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML		Number of Bottles: 2	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: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011)	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 Color (true)	Template: DEFAULT	(DEP SOP: NU-094-1)	True Color measured at 450 nm (not valid for NPDES monitoring)
W-F	Template: DEFAULT	(SM 4500-F- C-2011)	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-2011)	Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011)	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L		Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.))	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

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