

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 12/27/2022
Customer: SO-DIST
RQ: RQ-2022-11-21-17
Collected By: Thomas Baker, John Barrington
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: 3

Delivery Method: FedEx

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

Site Location	Field ID/WIN ID
Howard Creek (Northeast Branch)	 G3SD0158
HowardCreekNEBrDwnstrm	 G3SD0234

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 12/27/2022
1400 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

Rec'd/Inspected
Date:

WIN ID/Field ID:  WIN ID/Field ID: G3SD0158	Comments: Microbiology sample(s) submitted to contract laboratory.
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Location: Howard Creek (Northeast Branch)

Matrix: Fresh	(Check One) ☒ Grab ☐ Composite
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Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT _h)
12/27/2022 910	10.16	92.6	11.2	7.34	0.15	0.3	0.3	326.1	0.16

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						X	Ice	X	H2SO4*	X	<2	1	A		
	Lot #		SA2229010		Exp:		8/30/23										
Metals (P-500ML)	x	W-ICPMS		X	W-ICP		X	W-HARD		X	Ice	X	HNO3*	X	<2	1	A
	Lot #		2126030		Exp:		6/2/23										
Filtered Nutrients (P125ML)	X	W-PO4-F			X	Field Filtered 0.45 um Filter			x	Ice				1	A		
	Filter Lot #		17347262		Syringe Lot #		1363442										
BOD (BP-1L)		OV-BODUNIN							Ice								
Chlorophyll (BP-1L)	X	CHLSUITE-W						x	Ice								
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS						x	Ice								
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY							Ice								
Macroinvertebrates (PJ-2L)		MI-FW-QLDC		Formalin Lot #		9.28091819TR		x	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)	X	W-E8321-DI			X	W-E8321-MS			x	Ice				1	A		
Pesticides (BG-500ML) (BG-1L)	X	W-E8321-DI		X	W-E8321-MS		X	W-PSNP-TQ		x	Ice	MCAA Exp.	MCAA Lot#	5	A		
		W-PCL-TQ-R			W-CARB-AA (5 ml of MCAA Buffer Solution)			W-CT-CL-R									
	X	W-TR-SQ-R				W-PCB-TQ-R											
Phytoplankton		DTY-QN-C				PKD-QN-BV				Ice							
DOC		W-DOC				Field Filtered 0.45 um Filter				Ice		H2SO4*		<2			
	Acid Preservative Expiration Date																
	Acid Preservative Lot Number																

WIN ID/Field ID: WIN ID/Field:	 G3SD0234	Comments: Microbiology sample(s) submitted to contract laboratory.
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Matrix: Fresh

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH)
12/27/2022 1145	10.27	95	11.9	7.12	0.1	0.2	0.2	337.1	0.16

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						X	Ice	X	H2SO4*	X	<2	1	A	
	Lot #		SA2229010		Exp:		8/30/23									
Metals (P-500ML)	x	W-ICPMS		X	W-ICP		X	W-HARD	X	Ice	X	HNO3*	X	<2	1	A
	Lot #		SA2126030		Exp:		6/3/23									
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 um Filter				x	Ice				1	A	
	Filter Lot #				Syringe Lot #											
BOD (BP-1L)		OV-BODUNIN							Ice							
Chlorophyll (BP-1L)	X	CHLSUITE-W						x	Ice						1	A
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	A
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)	X	W-E8321-DI		X	W-E8321-MS				x	Ice				1	A	
Pesticides (BG-500ML) (BG-1L)	X	W-E8321-DI		X	W-E8321-MS		X	W-PSNP-TQ		x	Ice	MCAA Exp.	MCAA Lot#	3	A	
		W-PCL-TQ-R			W-CARB-AA (5 ml of MCAA Buffer Solution)			W-CT-CL-R								
	X	W-TR-SQ-R			W-PCB-TQ-R											
Phytoplankton		DTY-QN-C			PKD-QN-BV					Ice						
DOC		W-DOC			Field Filtered 0.45 um Filter					Ice		H2SO 4*		<2		
	Acid Preservative Expiration Date															
	Acid Preservative Lot Number															

Benchmark EnviroAnalytical, Inc.
1001 Corporate Ave. Suite 102
North Port, FL 34289
(941) 625-3137 / (941) 240-3071 fax

BEAS Sample Receipt Temp. 18 °C
Checked at Benchmark EA South E85086
With Temperature Gun ID #7

Client Name: FDEP
Address: 2600 Blair Stone Rd.
Tallahassee, FL, 32399
Phone: (239) 344-5719
Email: dep-overflowmicro@dep.state.fl.us

Bill to: Frances Moore
P.O. #: Lab C00EF5

Project Name: RO-2022-11-20-17
Project Run/Location: Sta 504: Howard Creek Water at Beach

Station ID

Surface Water Sample Matrix? (Fresh / Marine)
Sample Type

Enterococci
E.coli (SM9223B Quantitray)

Laboratory Submission #:

500190766

Laboratory Sample #

E.Coli = 250 mL ; Entero = 120 mL ; Fecal Coliform = 120 mL

<u>G35B0158</u>	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time: <u>12/27/22</u>	<u>0910</u>	<u>1</u>
<u>G35H0234</u>	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time: <u>12/27/22</u>	<u>1145</u>	<u>2</u>
	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time:		
	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time:		
	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time:		
	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time:		
	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time:		
	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time:		
	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time:		
	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time:		
	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time:		
	<u>F / M / Grab</u>	<u>E. coli / Entero / Fecal coliform</u>	Date & Time:		

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 liquid (L), solid (S), 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 maximum temperature during storage should be 6°C (42.8°F). Under "Preservative" list any preservatives that were added to the sample container.
Each bottle has a label identifying sample ID, preservative (if any), date and time of collection, sample ID, and any field number or ID.
The following information should be added to each bottle label after collection with preservative black ink: date and time of collection, sample ID, and any field number or ID.
All bottles not containing preservative may be stored with appropriate sample ID.
1. The client is responsible for documentation of the sampling event. Please use special sampling events on the sample custody form.

Laboratory Sample Acceptability:
pH < 10 BEAS Temperature: 18°C

1	Collector: <u>Nancy Belcher</u>	Date: <u>12/27/22</u>	Time: <u>1537</u>	Received By: <u>Melinda Merchant</u>	Date: <u>12/27/22</u>	Time: <u>1537</u>
2	Relinquished by:	Date:	Time:	Received By:	Date:	Time:
3	Relinquished by:	Date:	Time:	Received By:	Date:	Time:
4	Relinquished by:	Date:	Time:	Received By:	Date:	Time:
5	Relinquished by:	Date:	Time:	Received By:	Date:	Time: