

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 2/15/2022
Customer: SO-DIST
RQ: RQ-2022-02-14-25
Collected By: Thomas Baker, Monica Jaeger
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
LAKE CARRIE NEAR NORTHEAST SHORE	 G4SD0212
Lake Francis	 G4SD0187
Lake Apthorpe	 G4SD0185
GRASSY CREEK @ CR 621 E	 G4SD0165

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 2/15/2022

1600 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

Rec'd/Inspected

Date:

WIN ID/Field ID:  WIN ID/Field ID: G4SD0212	Comments:
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Location: LAKE CARRIE NEAR NORTHEAST SHORE

(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									
2/15/2022 1125	8.53	90.1	18	7.03	0.3	0.9	4.1	111.3	0.05									
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	B					
		Lot #		SA1105060		Exp:		04/30/22										
Metals (P-500ML)			W-ICPMS			W-ICP			Ice		HNO3*		<2					
		Lot #				Exp:												
Filtered Nutrients (P125ML)		X	W-PO4-F		X	Field Filtered 0.45 µm Filter			X	Ice			1	B				
		Filter Lot #		17162587		Syringe Lot #		1091364										
BOD (BP-1L)			OV-BODUNIN						Ice									
Chlorophyll (BP-1L)		X	CHLSUITE-W					X	Ice						1	B		
Physical/Aggregate (Fresh) (P-1L)		X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W- TDS					X	Ice						1	B		
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / 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	B
		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									

WIN ID/Field ID:  WIN ID/Field ID: G4SD0187	Comments:
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Location: Lake Francis

(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								
2/15/2022 1211	9.11	96	17.8	7.43	0.3	1.4	5.7	167.4	0.08								
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 #		SA1105060		Exp:		04/30/22									
Metals (P-500ML)			W-ICPMS			W-ICP			Ice		HNO3*			<2			
		Lot #				Exp:											
Filtered Nutrients (P125ML)		X	W-PO4-F		X	Field Filtered 0.45 µm Filter			X	Ice			1	A			
		Filter Lot #		17162587		Syringe Lot #		1091364									
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-CH-IC / W-COLOR / W-SO4-IC / W- TDS					X	Ice						1	A	
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / 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			Enterococci		Ice							
		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									

WIN ID/Field ID:  WIN ID/Field ID: G4SD0185	Comments:
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Location: Lake Apthorpe

(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						
2/15/2022 1300	8.64	91.6	18.2	7.24	0.3	2.4	8.4	190.2	0.09						
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	B
		Lot #		SA1105060		Exp:		04/30/22							
Metals (P-500ML)			W-ICPMS			W-ICP		Ice		HNO3*			<2		
		Lot #				Exp:									
Filtered Nutrients (P125ML)		X	W-PO4-F		X	Field Filtered 0.45 µm Filter		X	Ice				1	B	
		Filter Lot #		17162587		Syringe Lot #		1091364							
BOD (BP-1L)			OV-BODUNIN					Ice							
Chlorophyll (BP-1L)		X	CHLSUITE-W				X	Ice					1	B	
Physical/Aggregate (Fresh) (P-1L)		X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W- TDS				X	Ice					1	B	
Physical/Aggregate (Marine) (P-1L)			Alkalinity / W-BR-IC / 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			Ice							
		Contract Lab													
Molecular (QPCR-P-500ML)		PCR-HF183			PCR-BacR			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-2022-02-14-25	Collected By: Thomas Baker, Monica Jaeger
Customer: FDEP	Field Report Prepared by: Thomas Baker, Monica Jaeger
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G4SD0165	Comments:

Location:**Location:** GRASSY CREEK @ CR 621 E

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

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)
2/15/2022 1410	8.27	91.1	20.1	6.39	0.15	0.2	0.2	156.9	0.07

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 µm 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-BR-IC / 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	C
	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					

Benchmark EnviroAnalytical, Inc.

1001 Corporate Ave. Suite 102

North Port, FL 34289

(941) 625-3137 / (941) 240-3071 fax

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 B95341

2022-02-14-25 BEAS Sample Receipt Temp. 2.5 °C

Project Name: RQ-2021-

Project Run/Location: highlands lake Checked at Benchmark EA South E85086
With Temperature Gun ID #7

Laboratory Submission #:

522020468

Station ID	Surface Water Sample Matrix ² (Fresh / Marine)	Enterococci E.coli (SM9223B Quantitray)		Laboratory Sample #
	Sample Type			
	E.Coli = 250 mL ; Entero = 120 mL ; Fecal Coliform = 120 mL			
G45D0212	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time: 2/15/22 1125	
G45D0145	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time: 2/15/22 1410	
	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time:	
	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time:	
	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time:	
	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time:	
	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time:	
	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time:	
	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time:	
	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time:	
	F / M / Grab	E. coli / Entero / Fecal coliform	Date & Time:	

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), ground water (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 maximum temperature during storage should be 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, premeasured 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:

pH < 2 : 0 BEAS Temperature: 2.5 °C

1	Collector: <u>MONICA JACQUEL</u>	Date: <u>2/15/22</u>	Time: <u>1553</u>	Received By: <u>Kristin Hinton - BEAS</u>	Date: <u>2/15/22</u>	Time: <u>1553</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: