

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: <u>8/2/2022</u> Customer: <u>SO-DIST</u> RQ: <u>RQ-2022-08-01-45</u>	Collected By: <u>Monica Jaeger, Nicole Reistad</u> Sampling Agency: <u>FDEP</u> Project ID: <u>SMP</u>
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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
Emerald Pointe Canal	 G3SD0216
Peace River Estuary @ Harbour Heights	 G3SD0148
BOBCAT CREEK IN PRESERVE EAST	 G3SD0131
Peace River Above Horse Creek 2	 G3SD0154
FB	 FB_08022022
MYAKKA CUTOFF (WESTERN PORTION)	 G3SD0073

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 8/2/2022 1500
EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

**Rec'd/Inspected
Date:**



RQ-2022-08-01-45	Collected By: Monica Jaeger, Nicole Reistad
Customer: FDEP	Field Report Prepared by: Monica Jaeger, Nicole Reistad
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G3SD0216	Comments: Microbiology sample(s) submitted to contract laboratory.

Location:
Location: Emerald Pointe Canal

Matrix: Marine (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													
8/2/2022 835	3.3	46.3	30.3	6.89	0.3	0.8	0.9	18211	10.68													
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 #		131766		Exp:		11/19/22														
Metals (P-500ML)		x	W-ICPMS		X	W-ICP		W-HARD	X	Ice	X	HNO3*		X	<2	1	A					
		Lot #		NA1105100		Exp:		6/7/23														
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)		x	CHLSUITE-W			x	Ice		1		A											
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		A											
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	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		X	W-PSNP-TQ		x	Ice	MCAA Exp.	MCAA Lot#	4		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												



RQ-2022-08-01-45	Collected By: Monica Jaeger, Nicole Reistad
Customer: FDEP	Field Report Prepared by: Monica Jaeger, Nicole Reistad
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G3SD0148	Comments: Microbiology sample(s) submitted to contract laboratory.

Location:
Location: Peace River Estuary @ Harbour Heights

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 (PPT)														
8/2/2022 910	4.51	60.7	30.5	7.26	0.3	0.5	1.3	2994	1.47														
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 #		131766		Exp:		11/19/22															
Metals (P-500ML)		x	W-ICPMS		X	W-ICP			W-HARD		X	Ice	X	HNO3*		X	<2	1	B				
		Lot #		NA1105100		Exp:		6/7/23															
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)		X	CHLSUITE-W				x	Ice		1		B											
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		B											
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	Ice							1		B		
		X	Contract Lab																				
Molecular (QPCR-P-500ML)		X	PCR-HF183		X	PCR-BacR		X	PCR-DG3		x	Ice		1		B							
			PCR-GULL2			PCR-GFD																	
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		X	W-PSNP-TQ		x	Ice	MCAA Exp.	MCAA Lot#	2		B						
			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												



RQ-2022-08-01-45	Collected By: Monica Jaeger, Nicole Reistad
Customer: FDEP	Field Report Prepared by: Monica Jaeger, Nicole Reistad
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G3SD0131	Comments: Microbiology sample(s) submitted to contract laboratory.

Location:**Location:** BOBCAT CREEK IN PRESERVE EAST

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)
8/2/2022 950	5.25	67.2	28	6.82	0.15	0.3	0.3	105.9	0.05

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)	x	W-ICPMS	x	W-ICP	x	Ice	x	HNO3*	X	<2	1	C	
	Lot #		NA11050100		Exp: 6/7/23								
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-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
	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-2022-08-01-45	Collected By: Monica Jaeger, Nicole Reistad
Customer: FDEP	Field Report Prepared by: Monica Jaeger, Nicole Reistad
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G3SD0154	Comments: Microbiology sample(s) submitted to contract laboratory.

Location:**Location:** Peace River Above Horse Creek 2

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 (PPT _h										
8/2/2022 1050	5.24	70.4	30.9	7.48	0.3	0.6	3	324.8	0.15										
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	E						
		Lot #		131766		Exp:		11/19/22											
Metals (P-500ML)		x	W-ICPMS		X	W-ICP	X	W-HARD	X	Ice	X	HNO3*	X	<2	1	E			
		Lot #		NA11050100		Exp:		6/7/23											
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)		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	Ice		1		E	
		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		x	Ice		MCAA Exp.	MCAA Lot#	4		E	
		X	W-PCL-TQ-R			W-CARB-AA (5 ml of MCAA Buffer Solution)		X	W-CT-CL-R										
			W-TR-SQ-R		X	W-PCB-TQ-R													
Phytoplankton			DTY-QN-C			PKD-QN-BV			Ice										



RQ-2022-08-01-45	Collected By: Monica Jaeger, Nicole Reistad
Customer: FDEP	Field Report Prepared by: Monica Jaeger, Nicole Reistad
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: FB_08022022	Comments: Microbiology sample(s) submitted to contract laboratory.

Location:
Location: FB

Matrix: W-FIELD-BLANK

(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 (PPT)		
8/2/2022 1125											
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*		
		Lot #	131766	Exp:	11/19/22			X	<2	1	G
Metals (P-500ML)	X	W-ICPMS		X	W-ICP	X	W-HARD	X	Ice	X	HNO3*
		Lot #	NA11050100	Exp:	6/7/23			X	<2	1	G
Filtered Nutrients (P125ML)		W-PO4-F			Field Filtered 0.45 µm Filter						
		Filter Lot #			Syringe Lot #						
BOD (BP-1L)		OV-BODUNIN					Ice				
Chlorophyll (BP-1L)		CHLSUITE-W					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			1	G
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			Enterococci			
		Contract Lab					Ice				
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			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: G3SD0073	Comments: Microbiology sample(s) submitted to contract laboratory.
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Location: MYAKKA CUTOFF (WESTERN PORTION)

(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										
8/2/2022 1230	5.37	78.5	31.1	7.48	0.3	0.8	0.9	24377	14.69										
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	F					
		Lot #		131766		Exp:		11/19/22											
Metals (P-500ML)			W-ICPMS			W-ICP		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)		X	CHLSUITE-W				X	Ice							1	F			
Physical/Aggregate (Fresh) (P-1L)			Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-C / W-COLOR / W-SO4-IC / W- TDS					Ice											
Physical/Aggregate (Marine) (P-1L)		X	Alkalinity / W-F / W-TSS / TURBIDITY				X	Ice							1	F			
Macroinvertebrates (PJ-2L)			MI-FW-QLDC		Formalin Lot #			Formalin											
Periphyton (PT-50ML)			ALGAE-ID					Ice											
Microbiology (Contract Lab Bottle)			E Coli		X	F Coli		X	Enterococci						x	Ice		2	F
		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		X	W-PSNP-TQ		x	Ice	MCAA Exp.	MCAA Lot#	2	F			
			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										

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 895341
COO EFS

2022-08-01-45

Project Name: RQ-2021-

Project Run/Location: SAMP: Peace River

Laboratory Submission #:

522080069

Station ID	Surface Water Sample Matrix* (Fresh / Marine)	Sample Type	Enterococci E.coli (SM9223B Quantitray)	Laboratory Sample #
G3SD0216	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time: 8/2/22 835	
G3SD0148	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time: 8/2/22 910	
G3SD0131	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time: 8/2/22 950	
G3SD0154	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time: 8/2/22 1050	
G3SD0013	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time: 8/2/22 1230	
	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time:	
	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time:	
	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time:	
	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time:	
	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time:	
	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time:	
	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time:	
	F / M / Grab		E.coli / Enterococci / F.coliform Date & Time:	
	F / M / Grab		E.coli / Enterococci / F.coliform 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 being discharged to drinking water (DW), groundwater (GW), surface water (SW), or surface water (FSW) or sludge (SDG). *Sample 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 4°C (42°F). Under "Preservative," list any preservatives that were added to the sample container.

1. Each bottle has a label identifying sample ID, 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 and containing preservative may be used 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: 4.4°C

1	Collector: Veronica Jaeger	Date: 8/2/22	Time: 1351	Received By: Brooke Kautz	Date: 8/2/22	Time: 1349
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:

BEAS Sample Receipt Temp. 4.4 °C

Checked at Benchmark EA South E85086
With Temperature Gun ID #7