

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 1/28/20

Collected By: Gary Snorck

Customer: SO-Dist

Sampling Agency: SROL 8052

RQ: 2020-01-27-49

Project ID: SMP

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

Sampler(s) Name (PRINT): Gary Snorck Chris Harmuth

Sampler(s) Signature (SIGN): [Signature] Number of Coolers Shipped: 2

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

Field ID/WIN ID



G3SD0120

Location

Shell Cr @ Hathaway Park

Field ID/WIN ID



G3SD0161

Location

Big Slough @ Biscayne

Field ID/WIN ID



G3SD0076

Location

Cleveland Cemetery Ditch

Field ID/WIN ID



G3SD0068

Location

Myakka (Tidal) @ US41

RELINQUISHED BY (SIGNATURE):

[Signature]

DATE/TIME:

1/28/20

RECEIVED BY (SIGNATURE):

DATE/TIME:



RQ-2020-01-27-49

Customer: SD-Dist

Project ID: SMP

Collected By: Chris Hornum

Field Report Prepared By: Gary Siv

Sampling Agency: BUSE SLU

Field ID/WIN ID Location Myakka(Tidal) @US41						Comments:				
Matrix: Fresh ☒ Marine ☒						(Check one) ☒ GRAB ☐ COMPOSITE				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
1/28/20	1115 EST/CST	8.04	90.9	19.33	7.18	0.3	1.2 ☐ VOB (S)	2.5	12294	7.09
Cental Lab please use top row for login purposes										
EST / CST										
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		B
		Lot #	SA203100		Exp:	7/22/20				
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				B
		Filter Lot #			Exp:					
		Syringe Lot #	9240147		Exp:					
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice				B
Physical/Aggregate (Fresh) (P-1L)		☐ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-CHC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ W-TDS				☐ Ice				
Physical/Aggregate (Marine) (P-1L)		☒ Alkalinity / ☐ W-BR-IC / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY				☒ Ice				B
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☐ E Coll ☐ F Coll ☒ Enterococci ☒ Contract Lab				☒ Ice				B
Molecular (QPCR-P-500ML)		☒ PCR-HF183 ☒ PCR-BacR ☒ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐				☒ Ice				B
Tracers (BG-500ML)		☒ W-E8321-DI ☒ W-E8321-MS				☒ Ice				B
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
						☐ Ice				
Relinquished By:		Date/Time		Shipping Method		Number of Coolers Shipped:		Received By:		Date/Time:

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Email Submittal form to : lab.receiving@floridadev.gov.



RQ-2020-01-27-49

Customer: SO-Dist

Project ID: SMP

Collected By: Chris Hornum

Field Report Prepared By: Gary Smith

Sampling Agency: R052 SROC

Field ID/WIN ID Location Big Slough@Biscayne							Comments:			
Matrix: Fresh / Marine							(Check one) ☒ GRAB ☐ COMPOSITE			
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
1/28/20	1046	7.62	86.7	19.36	7.23	0.3	0.7 ☒ -VOB (S)	0.7	13325	7.71
EST / CST ↑ Cental Lab please use top row for login purposes ↑										
EST / CST										
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		A
		Lot #		SA1203100		Exp:		7/22/20		
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☒ W-HARD				☒ Ice ☒ HNO3*		☒ <2		A
		Lot #		NA189080		Exp:		7/8/20		
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice				A
		Filter Lot #				Exp:				
		Syringe Lot #		9240147		Exp:				
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice				A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-G-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice				X
Physical/Aggregate (Marine) (P-1L)		☒ CH ☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☒ Ice CH				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☒ E Coli ☐ F Coli ☐ Enterococci ☒ Contract Lab				☒ Ice				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-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
						☐ Ice				
Relinquished By:		Date/Time		Shipping Method		Number of Coolers Shipped:		Received By:		Date/Time:

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Email Submittal form to : lab.receiving@floridadep.gov.



RQ-2020- 01-27-49

Customer: SO-DIST

Project ID: SMP

Collected By: Chris Hardman

Field Report Prepared By: Gary Smith

Sampling Agency: SROL

Field ID/WIN ID Location Cleveland Cemetery Ditch							Comments:			
Matrix: Fresh ☒ Marine							(Check one) ☒ GRAB ☐ COMPOSITE			
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
1/28/20	0945	2.94	31.4	17.85	6.87	0.3	0.8 ☒ VOB (S)	0.8	7866	4.37
↑ Cental Lab please use top row for login purposes ↑										
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	1	B
		Lot #		SA9203100		Exp:		7/22/20		
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			1	B
		Filter Lot #				Exp:				
		Syringe Lot #		9240147		Exp:				
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	B
Physical/Aggregate (Fresh) (P-1L)		☐ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-CHC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ TDS				☐ Ice				
Physical/Aggregate (Marine) (P-1L)		☒ Alkalinity / ☐ W-BR-IC / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY				☒ Ice			1	B
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☐ E Coli ☐ F Coli ☒ Enterococci ☒ Contract Lab				☒ Ice			0	B
Molecular (QPCR-P-500ML)		☒ PCR-HF183 ☒ PCR-BacR ☒ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐				☒ Ice			1	B
Tracers (BG-500ML)		☒ W-E8321-DI ☒ W-E8321-MS				☒ Ice			1	B
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
						☐ Ice				
Relinquished By:		Date/Time		Shipping Method		Number of Coolers Shipped:		Received By:		Date/Time:

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Email Submittal form to : lab.receiving@floridadep.gov.



RQ-2020-01-27-49

Customer: SD-Dist

Project ID: SMP

Collected By: Chris Normath

Field Report Prepared By: Gary Smith

Sampling Agency: SROC

Field ID/WIN ID Location Shell Cr@HathawayPark							Comments:				
Matrix: ☒ Fresh ☐ Marine							(Check one) ☒ GRAB ☐ COMPOSITE				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)	
1/28/20	0915	6.43	68.0	17.99	7.15	0.3	2.0	3.3	1085	0.54	
EST / CST											
Cental Lab please use top row for login purposes											
		5.88	61.5	17.73	7.27	2.8			1093	0.54	
EST / CST											
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	1	A	
		Lot #		SA9203100		Exp:		7/22/20			
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☒ W-HARD				☒ Ice ☒ HNO3*		☒ <2	1	A	
		Lot #		NA9189080		Exp:		2/08/20			
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A	
		Filter Lot #				Exp:					
		Syringe Lot #		9240147		Exp:					
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☐ Ice			1	A	
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-CHC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ W-TDS				☐ 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					
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice					
Microbiology (Contract Lab Bottle)		☒ E Coli ☐ F Coli ☐ Enterococci				☒ Ice			D	A	
		☒ 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 ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R				☐ Ice					
		☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice					
						☐ Ice					
Relinquished By:		Date/Time		Shipping Method		Number of Coolers Shipped:		Received By:		Date/Time:	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Email Submittal form to : lab.receiving@floridadep.gov.

Client Name: FDEP
Address: 2600 B
Tallahassee
Phone: (850) 2
Email:

Bill to: Frances Moore
P.O. #: Lab B16970

Project Name: RQ-2020-01-27-49

Project Run/Location:

Laboratory Submission #:

520010589

Station	ID
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Enterococci:

Laboratory Sample #

E.coli (SM9223B Quantitray)

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

635D020

G3SD0076

G3SD0161

535062

10

1. *Phragmites australis* (Cav.) Trin. ex Steud.

1000

[illegible]

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

—

“Simple type” is used to indicate whether

"Sample Matrix" is used to indicate whether
 "Common Type" is used to indicate whether
 Sample must be reconstituted or stored in

Each label identifying sample ID, promoter, and gene information should be added to each bottle.

containing preservative may be rinsed with a solution of 10% formalin for documentation of the sampling.

for: Gary Lee

Acquired by:

provided by:

urnished by:

issued by:

Laboratory Sample Acceptability:

pH < 2.0 BEAS Temperature: 3.124

1

Date:	7/20/20	Time:	1723
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Date:	1-20-20	Time:	1203
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Date:	Time:
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Date:	Time:
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Date:	Time:
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