



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

PH

WIN Station Name: Ochlockonee River Downstream of Tower Rd

Date: 3/15/2018

WIN/ Field ID: G1WA0070

WBID: 1297E

Latitude: 30.52646

(mm/dd/yyyy)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.38821

(Decimal Degrees)

(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

RQ-2018- 03-12-53

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys										
Phil Homann										

Sampling Equipment					
☒ Sample Container	☐ Van Dorn	☐ Pole			
☐ Carboy	☒ Syringe				
☐ Dipper	☐ Other				
Depth Measured with: meter					
Equipment ID: 310694 12					

Collection Method					
☐ Wading	☐ Canoe/Kayak				
☐ From Shore	☐ Electric Motor				
☐ Other	☒ Gasoline Motor				

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded

Meter ID# Procoy 2 Matrix: Fresh / Marine / DI

Photos: Yes / No Flow: No Flow / Intestinal / Flowing / NA Tide: Rising/ Falling/ Slack/ NA Tide Times: High NA Low NA

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)
<u>EST</u>	<u>1200</u>	<u>2.5</u>	<u>0.3</u>	<u>0.7</u>	<u>9.49</u>	<u>90.9</u>	<u>6.82</u>	<u>0.05</u>	<u>107</u>	<u>13.43</u>
CEN			<u>2.0</u>		<u>9.31</u>	<u>91.1</u>	<u>6.79</u>	<u>0.05</u>	<u>107</u>	<u>13.41</u>

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: 1975290

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	<u>SA7341020</u>	<u>12/7/18</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>7261120</u>	<u>9/18/18</u>	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	<u>10827054</u>		
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains: 1:1 H2SO4
Lot No.: SA7341020
Expires: 12/07/18
See Safety Data Sheet (SDS)

Contains: 1:1 Nitric Acid
Lot No.: 7261120
EXP: 09/18/18
See SDS

Notes:

Kit-C,
Bacteria

group: A, B, C

WIN ID / FIELD ID

Ochlockonee River
Downstream of Tower Rd



G1WA0070

Signature:

Date: 3/16/18

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name

Meter ID: Biology #2

RQ: 2018-03-12-53

Project: SMP

PH

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	3/15/18	7:11	19.50	9.15	9.18	100.0	52.3	-	(P) / F	(L) / F
ICV	Ben Ralys	3/15/18	7:12	19.50	9.15	9.18	100.0	52.3	-	(P) / F	(L) / F
CCV	Ben Ralys	3/15/18	2:35	22.48	8.67	8.88	102.5	51.2	-	(P) / F	(L) / F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	3/15/18	7:14	171005D	10/2018	1,000	1,000	(P) / F	(L) / F
ICV	Ben Ralys	3/15/18	7:14	171005D	10/2018	1,000	1,001	(P) / F	(L) / F
CCV	Ben Ralys	3/15/18	2:37	171005E	10/2018	100	99	(P) / F	(L) / F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	3/15/18	7:16	171005B	4/2019	7.0	7.0	1.5	(P) / F	(L) / F
Calibr.	Ben Ralys	3/15/18	7:19	171005A	10/2018	4.0	3.99	175.3	(P) / F	(L) / F
Calibr.	Ben Ralys	3/15/18	7:20	171005C	4/2019	10.0	9.98	-164.8	(P) / F	(L) / F
ICV	Ben Ralys	3/15/18	7:21	171005C	4/2019	10.0	9.97	-164.4	(P) / F	(L) / F
CCV	Ben Ralys	3/15/18	2:38	171005A	10/2018	4.0	3.67	192.7	P / F	(L) / F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Ralys, Phil Homann

Field Report Prepared By: Ben Ralys, Phil Homann

Sampling Agency: FDEP

Location		WIN ID / FIELD ID		Collection (comp begin or Grab)		Composite end		Bottle Group(s)	
Field ID	Swamp Creek	WIN ID / FIELD ID		Comp	Date 3/15/18	Time 10:40	mg/L	Total Res. Chlorine	(See pg 2)
WIN/STORET #	upstream of Railroad	G1WA0052		Grab				% sat	
Latitude	30.663	dd	dms	Matrix (type, e.g., Salt, Fresh, etc)	Fresh			ft	Sp. Conductance (umho/cm)
Longitude	-84.448	dd	dms	Temp (C)	10.30			m	87
Salinity (ppt)	0.04	Comments							
Location		WIN ID / Field ID		Collection (comp begin or Grab)		Composite end		Bottle Group(s)	
Field ID	Salem Branch downstream of SR 159	WIN ID / Field ID		Comp	Date 3/15/18	Time 10:30	mg/L	Total Res. Chlorine	C
WIN/STORET #		G1WA0053		Grab				% sat	
Latitude	30.63082	dd	dms	Matrix (type, e.g., Salt, Fresh, etc)	Fresh			ft	Sp. Conductance (umho/cm)
Longitude	-84.43155	dd	dms	Temp (C)	10.69			m	170
Salinity (ppt)	0.08	Comments							
Location		WIN ID / FIELD ID		Collection (comp begin or Grab)		Composite end		Bottle Group(s)	
Field ID	Ochlockonee River Upstream of Old Brainbridge	WIN ID / FIELD ID		Comp	Date 3/15/18	Time 11:15	mg/L	Total Res. Chlorine	A, B, C
WIN/STORET #		G1WA0071		Grab				% sat	
Latitude	30.5864	dd	dms	Matrix (type, e.g., Salt, Fresh, etc)	Fresh			ft	Sp. Conductance (umho/cm)
Longitude	-84.3571	dd	dms	Temp (C)	13.15			m	103
Salinity (ppt)	0.05	Comments							
Location		WIN ID / FIELD ID		Collection (comp begin or Grab)		Composite end		Bottle Group(s)	
Field ID	Ochlockonee River Upstream of Tower Rd	WIN ID / FIELD ID		Comp	Date 3/15/18	Time 12:15	mg/L	Total Res. Chlorine	A, B, C
WIN/STORET #		G1WA0069		Grab				% sat	
Latitude	30.52967	dd	dms	Matrix (type, e.g., Salt, Fresh, etc)	Fresh			ft	Sp. Conductance (umho/cm)
Longitude	-84.38896	dd	dms	Temp (C)	13.38			m	107
Salinity (ppt)	0.05	Comments							

Relinquished By: Ben Ralys	Date/Time: 3/15/18 2:20	Shipping Method: Delivered	Number of Coolers Shipped: 3	Received By: ARJ	Date/Time: 3-15-18 11:42:00
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**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Ben Balys, Phil Homann

Project ID: SMP

Collected By: Ben Balys, Phil Homann

Sampling Agency: FDEP

Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Ochlocknee River	WIN ID / FIELD ID		Date	3/15/18	Time	1200	mg/L	Total Res. Chlorine
WIN/STORET #	Downstream of Tower Rd			Matrix (type, e.g., Salt, Fresh, etc)	Fresh			% sat	
Latitude	30.52646	Longitude	-84.38821	Temp (C)	13.43	pH	6.82	ft	Sp. Conductance (umho/cm)
				Salinity (ppt)	0.05			m	107
Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Harbinwood	WIN ID / FIELD ID		Date	3/15/18	Time	950	mg/L	Total Res. Chlorine
WIN/STORET #	Estates Drain			Matrix (type, e.g., Salt, Fresh, etc)	Fresh			% sat	
Latitude	30.5193	Longitude	-84.3357	Temp (C)	12.13	pH	7.32	ft	Sp. Conductance (umho/cm)
				Salinity (ppt)	0.06			m	126
Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Ochlocknee River	WIN ID / FIELD ID		Date	3/15/18	Time	1330	mg/L	Total Res. Chlorine
WIN/STORET #	Upstream of US 90			Matrix (type, e.g., Salt, Fresh, etc)	Fresh			% sat	
Latitude	30.47573	Longitude	-84.40595	Temp (C)	14.02	pH	6.61	ft	Sp. Conductance (umho/cm)
				Salinity (ppt)	0.05			m	112
Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Caney Creek	WIN ID / FIELD ID		Date	3/15/18	Time	900	mg/L	Total Res. Chlorine
WIN/STORET #	Upstream of US 90			Matrix (type, e.g., Salt, Fresh, etc)	Fresh			% sat	
Latitude	30.5325	Longitude	-83.9501	Temp (C)	8.50	pH	6.69	ft	Sp. Conductance (umho/cm)
				Salinity (ppt)	0.04			m	89

Relinquished By: Ben Balys	Date/Time: 3/15/18	Shipping Method: Delivered	Number of Coolers Shipped: 3	Received By: [Signature]	Date/Time: 3-15-18
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Group: A	Bottle Type: P-1L	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: A	Bottle Type: BP-1L	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
CHLSUITE-W					
Group: A	Bottle Type: P-500ML	# of Bottles: 7	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type: P-125ML	# of Bottles: 7	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	7
W-PO4-F					
Group: B	Bottle Type: P-500ML	# of Bottles: 6	Preservative: HNO3	Enter Number of Bottles Sent to Lab	6
W-ICP W-ICPMS					
Group: C	Bottle Type: P-250ML-WO-THI	# of Bottles: 8	Preservative: ICE	Enter Number of Bottles Sent to Lab	8
ECOLI-18QT					
Group: D	Bottle Type: BG-500ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
W-E8321-DI W-E8321-MS					
Group: E	Bottle Type: QPCR-P-250ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
PCR-FILTER					
Group: F	Bottle Type: QPCR-P-250ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
PCR-BACR PCR-FILTER					

Cooler Packing Worksheet for Request: RQ-2018-03-12-53

Swamp, Salem, Caney, Harbiwood, Ocklock

Ship Cooler On: 3/8/2018

Customer/Project: WAS-SECT/SMP

Assigned To: SHAIK_A

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

Group A: Freshwater Kit

Group B: Metals

Group C: E. coli

Group D: Tracers

Group E: PCR-Filter

Group F: PCR-FILTER & PCR-BacR

Packing Notes:

No Fedex labels

No Trash Bags

2 submittal forms

1 - case of Nitric Acid

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 55070298

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO₃/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 7 Preservation: ICE

Lot # 1214297

Description: Brown Plastic Bottle 1L

Analysis

Description

Container ID: P-500ML

Qty: 7 Preservation: ICE And H2SO4

Lot # 00070440

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 7 Preservation: FILTER-ICE

Lot # 00069732

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 6

Container ID: P-500ML

Qty: 6 Preservation: HNO3

Lot # 00070440

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Bottle Group: C

of Sites: 8

Container ID: P-250ML-WO-THI

Qty: 8 Preservation: ICE

Lot # L15269

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group: D

of Sites: 2

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00068622

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: E

of Sites: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: F

of Sites: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-BACR

PCR-FILTER

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Preparation of Samples by Filtration and held for qPCR Analysis

Cooler Packed By: ABP Number of Coolers: 3 Date: 3-8-18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☐ Zip Ties

If Preservation Included:

ID <u>HNO31.1</u>	Exp <u>12-7-18</u>	Lot # <u>NA7341010</u>
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2018-03-12-53