



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

pH

Data Qualified?	
☒ Yes	☐ No

WIN Station Name: Chicken Branch at Old Plank Rd

Date: 6/28/18

WIN/ Field ID: G1WA0031

WBID: 971

Latitude: 30.3261

(mm/dd/yyyy)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.1481

(Decimal Degrees)

Receiving Body of Water: St. Marks River

RQ-2018- 05-21-16

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys					
Will Lasley					

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>20' Meter Stick</u>		
Equipment ID		
Collection Method		
☒ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded						Meter ID# <u>Biology #2</u>		Matrix: <u>Fresh</u> / Marine / DI		
Photos: <u>Yes</u> / No		Flow: No Flow / Intestinal / <u>Flowing</u> / NA		Tide: Rising/ Falling/ Slack/ <u>NA</u>		Tide Times: High <u>NA</u> Low <u>NA</u>				
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (µmhos/cm)	Temp. (C°)
<u>EST</u>	<u>0738</u>	<u>0.5</u>	<u>0.25</u>	<u>VOB</u>	<u>4.19</u>	<u>48.5</u>	<u>7.46</u>	<u>0.13</u>	<u>278</u>	<u>22.54</u>
CEN										

Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:										
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:										
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			☐ <2
Metals	☐ W-ICPMS ☐ W-ICP						☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter						☐ Ice			
Chlorophyll	☐ CHLSUITE-W						☐ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-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-E8321-DI ☒ W-E8321-MS						☒ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA						☐ Ice ☐ Other			

Notes:

FW Bact
Tracers
Markers

Chicken Branch
at Old Plank Rd

WIN ID / Field ID



G1WA0031

Signature: Ben Ralys

Date: 6/28/18

Enter Field Parameters, Verify Station ID In LIMS DMT: 8/6/18

QC Station ID, Field Parameters In LIMS DMT: CM 8-10-18

Scan/Save Field Sheets 8-10-18 CM

Migrate Data to WIN: (Initials/Date)

Verify Data In WIN: (Initials/Date)

(Initials/Date)

(Initials/Date)

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

~~Holdly "X" this box where is qualified data on this name.~~

Meter ID: Biology #2

RQ- 2018-05-21-16

Project: SMP

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	6/28/18	6:57	22.0	8.74	8.74	100.0	55.3	-	(P) F	(L) F
ICV	Ben Ralys	6/28/18	7:01	22.1	8.72	8.74	100.2	55.3	-	(P) F	(L) F
CCV	Will Lasley	6/28/18	1455	28.49	7.75	7.82	100.6	57.4	-	(P) F	(L) F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

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

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

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

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	6/28/18	7:03	180326B	4/2019	1,000	1,000	(P) F	(L) F
ICV	Ben Ralys	6/28/18	7:04	180326B	4/2019	999	999	(P) F	(L) F
CCV	Will Lasley	6/28/18	1457	180326A	4/2019	100	104	(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	6/28/18	7:05	180326D	4/2019	7.0	6.99	20.2	(P) F	(L) F
Calibr.	Ben Ralys	6/28/18	7:06	180326C	4/2019	4.0	4.00	194.5	(P) F	(L) F
Calibr.	Ben Ralys	6/28/18	7:07	171005C	4/2019	10.0	9.96	-143.8	(P) F	(L) F
ICV	Ben Ralys	6/28/18	7:08	171005C	4/2019	10.0	9.94	-142.3	(P) F	(L) F
CCV	Will Lasley	6/28/18	1500	180326C	4/2019	4.0	3.66	212.6	P / (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:

Customer: WAS-SECT

Requester: Curtis Musson

Project ID: SMP

Collected By: Ben Rabys, Will Lasley

Field Report Prepared By: Ben Rabys, Will Lasley

Sampling Agency: FDEP

Location				Collection (comp begin or grab)				Composite end				Bottle Group(s)	
Field ID				Date 6/28/18				Date 0738				(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh etc)				Diss. Oxygen				Total Res. Chlorine	
Latitude				Temp (C)				Sample Depth				Sp. Conductance	
Longitude				pH				ft				(umho/cm)	
dd dms				Comments				ft				m	
Chicken Branch				Fresh				48.5				A, C	
at Old Plank Rd				22.54				0.25				278	
30.3261				-84.1481				0.13					
Eight Mile Pond Middle				Fresh				57.3				B	
30.32635				-84.30273				0.04					
Black Creek upstream of Bloxham Cutoff				Fresh				74.6				B	
30.2792				-84.3858				0.25				48	
Sand Pond Middle				Fresh				109.2				B	
30.334				-84.387				0.01				15	

Relinquished By: WL

Date/Time: 6/28/18 1430

Shipping Method

Number of Coolers Shipped: 4

Received By: ARB

Date/Time: 6-28-18 14:48

Customer: WAS-SECT

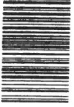
Requester: Curtis Musson

Field Report Prepared By: Ben Raby's will Lasley

Project ID: SMP

Collected By: Ben Raby's, Will Lasley

Sampling Agency: FDEP

Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Central Drainage			Date	6/28/18	Time	1000	(See pg 2)	
WIN/STORET #	Ditch downstream of Orange Ave.	G1WA00026		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude	30.4095	dd	dms	Temp (C)	28.93	pH	7.83	Sample Depth	84.7
Longitude	-84.3073	dd	dms	Salinity (ppt)	0.06	Comments		ft	Sp. Conductance (umho/cm)
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Godby Drainage			Date	6/28/18	Time	1046	(See pg 2)	
WIN/STORET #	at Progress Dr.	G1WA00061		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude	30.444661	dd	dms	Temp (C)	26.74	pH	7.21	Sample Depth	56.7
Longitude	-84.344711	dd	dms	Salinity (ppt)	0.08	Comments		ft	Sp. Conductance (umho/cm)
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Salem Branch downstream of SR 153			Date	6/28/18	Time	1135	(See pg 2)	
WIN/STORET #		G1WA00053		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude	30.63082	dd	dms	Temp (C)	32.13	pH	8.80	Sample Depth	89.3
Longitude	-84.43155	dd	dms	Salinity (ppt)	0.15	Comments		ft	Sp. Conductance (umho/cm)
Location		WIN ID / FILED ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Swamp Creek upstream of Railroad			Date	6/28/18	Time	1200	(See pg 2)	
WIN/STORET #		G1WA00052		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude	30.663	dd	dms	Temp (C)	25.24	pH	7.20	Sample Depth	88.5
Longitude	-84.448	dd	dms	Salinity (ppt)	0.04	Comments		ft	Sp. Conductance (umho/cm)

Relinquished By: <u>W</u>	Date/Time: 6/28/18 1430	Shipping Method: <u>L</u>	Number of Coolers Shipped: <u>4</u>	Received By: <u>(Signature)</u>	Date/Time: 6-28-18 1430
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Salem, Chicken, Godby, Sand, 8, Black, CDD, Swamp,
Harbinwood

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Ben Raby's, Will Lasley

Project ID: SMP

Collected By: Ben Raby's, Will Lasley

Sampling Agency: FDEP

Location		WIN ID/Filed ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Harbinwood		Date 6/28/18 Time 1340		Date		(See pg 2)	
WIN/STORET #		Estates Drain G1WA0034		Matrix (type, e.g., Salt, Fresh, etc)		mg/L % sat		Total Res. Chlorine (mg/L)	
Latitude		30.5193		Temp (C) 30.44		pH 7.04		Sample Depth 0.15	
Longitude		-84.3357		Salinity (ppt) 0.05		ft m		Sp. Conductance (umho/cm) 113	
Comments									
Location		WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date		Time	
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L % sat		Total Res. Chlorine (mg/L)	
Temp (C)				pH		ft m		Sp. Conductance (umho/cm)	
Salinity (ppt)				Comments					
Location		WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date		Time	
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L % sat		Total Res. Chlorine (mg/L)	
Temp (C)				pH		ft m		Sp. Conductance (umho/cm)	
Salinity (ppt)				Comments					
Location		WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date		Time	
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L % sat		Total Res. Chlorine (mg/L)	
Temp (C)				pH		ft m		Sp. Conductance (umho/cm)	
Salinity (ppt)				Comments					
Location		WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date		Time	
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L % sat		Total Res. Chlorine (mg/L)	
Temp (C)				pH		ft m		Sp. Conductance (umho/cm)	
Salinity (ppt)				Comments					
Location		WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date		Time	
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L % sat		Total Res. Chlorine (mg/L)	
Temp (C)				pH		ft m		Sp. Conductance (umho/cm)	
Salinity (ppt)				Comments					

Relinquished By: WL

Date/Time

6/28/18 1430

Shipping Method

Number of Coolers Shipped: 4

Received By: [Signature]

Date/Time

6-28-18/14:40

Group: A	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-1L ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
Group: B	Bottle Type: BP-1L CHLSUITE-W	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
Group: B	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
Group: B	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	# of Bottles: 7	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
	H2SO4 LOT# S08101020 EXP: 04/11/2019				
Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 7	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	7
Group: C	Bottle Type: QPCR-P-500ML PCR-FILTER	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: D	Bottle Type: P-500ML W-ICP W-ICPMS	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	2
	Lot: NA-7261120 Exp: 09/18/18				
Group: E	Bottle Type: BG-500ML	# of Bottles: 1	Preservative: CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1

Group: E	Bottle Type: W-CARB-AA	BG-500ML	# of Bottles: 1	Preservative: CH ₂ ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
Group: E	Bottle Type: W-CT-Cl-R W-PCL-SQ-R	BG-500ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: E	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: E	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4

Cooler Packing Worksheet for Request: RQ-2018-05-21-16
Salem, Chicken, Godby, Sand, 8, Black, CDD, Swamp, Harbinwood

Ship Cooler On: 5/17/2018
Customer/Project: WAS-SECT/SMP

Assigned To: REYNOLDS_T
Requester: Curtis Musson
Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399
Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: E.coli
Group B: E. coli, Nutrients
Group C: Tracers, Markers
Group D: Metals
Group E: Pesticides

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # 618006

Description:

Analysis
ECOLI-18QT

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

Bottle Group: B

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00070298

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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 7 Preservation: ICE

Lot # 1223623

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WO-THI

Qty: 7 Preservation: ICE

Lot # L18006

Description:

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 7 Preservation: ICE And H2SO4

Lot # 00070684

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 # 00070886

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: C

of Sites: 2

Container ID: QPCR-P-500ML

Qty: 2 Preservation: ICE

Lot # 00070172

Description: 500ml Sterile Nalgene

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00070845

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: D

of Sites: 2

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00070845

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: E

of Sites: 1

Container ID: BG-500ML

Qty: 1 Preservation: CH2ClCOOH Pre-Preserved

Lot # 00070845

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 00070845

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00070845

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

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00069664

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Cooler Packed By: Tyler R.

Number of Coolers: 4

Date: 05/14/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2018-05-21-16