



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Eight Mile Pond Middle

Date: 2/21/2018

WIN/ Field ID: G1WA0024

WBID: 807A

Latitude: 30.32635

(mm/dd/yyyy)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.30273

(Decimal Degrees)

Receiving Body of Water: Munson Slough

RQ-2018- 02-19-20

(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Ben Ralys						X	X	X	X	X	☒ Sample Container	☐ Van Dorn	☐ Pole		
Jason Storrs						X					☐ Carboy	☒ Syringe			
											☐ Dipper	☐ Other			
											Depth Measured with <u>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: Yes / <u>No</u>						Flow: No Flow / Intestinal / Flowing <u>(NA)</u>				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 (PPT)	Sp COND (µmhos/cm)	Temp. (C°)					
<u>EST</u>	<u>9:10</u>	<u>0.4</u>	<u>0.2</u>	<u>VOB</u>	<u>5.42</u>	<u>62.3</u>	<u>7.13</u>	<u>0.05</u>	<u>118</u>	<u>22.31</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#: <u>1969440</u>															
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			☐ <2						
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice	<u>10827054</u>								
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-SUC-AA-R ☒ W-UHERB-AA ☒ W-AHERB-AA					☒ Ice									
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA					☐ Ice									
	☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Other									

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

Place Preserve

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

Notes:

Kit-A, FW Bacteria
Tracers, Markers

WIN ID / Field ID

Eight Mile
Pond Middle



G1WA0024

Signature:

[Signature]

Date:

2/22/18

Enter Field Parameters, Verify Station ID in LIMS DMT:

4/11/18

QC Station ID, Field Parameters in LIMS DMT:

4/13/18

Scan/Save Field Sheets

4/13/18 CM

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

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: 2018-02-19-20

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	2/21/18	7:08	21.4	8.84	8.85	100	32.9	-	P/F	L/F
ICV	Ben Ralys	2/21/18	7:10	21.2	8.88	8.86	99.9	32.9	-	P/F	L/F
CCV	Blake Spencer	2/22/18	1342	22.4	8.677	8.70	100.3	23.7		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	2/21/18	7:11	171005D	10/2018	1,000	1,000	P/F	L/F
ICV	Ben Ralys	2/21/18	7:12	171005D	10/2018	1,000	1,001	P/F	L/F
CCV	Blake Spencer	2/22/18	1345	171005E	10/2018	100	103	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	2/21/18	7:15	170614B	12/2018	7.0	6.99	11.2	P/F	L/F
Calibr.	Ben Ralys	2/21/18	7:16	171005A	10/2018	4.0	4.00	183.5	P/F	L/F
Calibr.	Ben Ralys	2/21/18	7:18	171005C	4/2019	10.0	9.97	-156.2	P/F	L/F
ICV	Ben Ralys	2/21/18	7:19	171005C	4/2019	10.0	9.96	-155.9	P/F	L/F
CCV	Blake Spencer	2/22/18	1350	170614B	12/2018	7.00	7.13	5.1	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

Requester: Curtis Musson

Field Report Prepared By: Storrs

Project ID: SMP

Collected By: Ralys / StorrsSampling Agency: FREP

Location		Quincy Creek		WIN ID / Field ID				Bottle Group(s)	
Field ID		upstream of		SR 267		G1WA0050		A, B, C	
Latitude	30.600	Longitude	-84.581	Collection (comp begin or grab)		Date 2/21/18		Time 1140	
Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		72.2		Total Res. Chlorine (mg/L)	
Temp (C)		18.65		pH		6.63		Sample Depth	
Salinity (ppt)		0.03		Sp. Conductance (umho/cm)		64		Composite end Date	
Comments									
Location		Quincy Creek		WIN ID / Filed ID				Bottle Group(s)	
Field ID		upstream of		SR 65		G1WA0049		A, B, C	
Latitude	30.559	Longitude	-84.576	Collection (comp begin or grab)		Date 2/21/18		Time 1208	
Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		74.3		Total Res. Chlorine (mg/L)	
Temp (C)		18.94		pH		6.77		Sample Depth	
Salinity (ppt)		0.03		Sp. Conductance (umho/cm)		68		Composite end Date	
Comments									
Location		Quincy Creek		WIN ID / FIELD ID				Bottle Group(s)	
Field ID		100 meters		upstream of		Ralph Strong Rd.		A, B, C	
Latitude	30.5837	Longitude	-84.5503	Collection (comp begin or grab)		Date 2/21/18		Time 1320	
Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		78.6		Total Res. Chlorine (mg/L)	
Temp (C)		19.59		pH		6.72		Sample Depth	
Salinity (ppt)		0.03		Sp. Conductance (umho/cm)		32		Composite end Date	
Comments									
Location		Little River		WIN ID/Field ID				Bottle Group(s)	
Field ID		100 meters		upstream of		US 90		A, B, C	
Latitude	30.554619	Longitude	-84.513191	Collection (comp begin or grab)		Date 2/21/18		Time 1345	
Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		78.2		Total Res. Chlorine (mg/L)	
Temp (C)		19.88		pH		6.65		Sample Depth	
Salinity (ppt)		0.05		Sp. Conductance (umho/cm)		101		Composite end Date	
Comments									

Relinquished By: [Signature]

Date/Time 2/21/18 1445

Shipping Method

Drop off

Number of Coolers Shipped:

Received By: [Signature]

Date/Time 2-21-18 1445

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Storrs

Project ID: SMP

Collected By: Ralys (Storrs)Sampling Agency: FDEP

Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Sand Pond			Date	2/21/18	Time	825	(See pg 2)	
WIN/STORET #	Middle			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
				Fresh		69.2		—	
Latitude	30.334	dd	Longitude	-84.387	dms	Temp (C)	21.68	pH	5.39
						Salinity (ppt)	0.01	Sample Depth	0.3
						Comments	15		
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Eight Mile			Date	2/21/18	Time	910	(See pg 2)	
WIN/STORET #	Pond Middle			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
				Fresh		62.3		—	
Latitude	30.32635	dd	Longitude	-84.30273	dms	Temp (C)	22.31	pH	7.13
						Salinity (ppt)	0.05	Sample Depth	0.2
						Comments	118		
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Juniper Creek			Date	2/21/18	Time	1030	(See pg 2)	
WIN/STORET #	Upstream of Juniper Creek Rd.			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
				Fresh		48.7		—	
Latitude	30.531	dd	Longitude	-84.736	dms	Temp (C)	19.66	pH	5.60
						Salinity (ppt)	0.04	Sample Depth	0.3
						Comments	78		
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Quincy Creek			Date	2/21/18	Time	1115	(See pg 2)	
WIN/STORET #	upstream of SR 268			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
				Fresh		76.6		—	
Latitude	30.597	dd	Longitude	-84.598	dms	Temp (C)	19.75	pH	6.84
						Salinity (ppt)	0.03	Sample Depth	0.2
						Comments	74		

Relinquished By: <u>[Signature]</u>	Date/Time	2/21/18 1445	Shipping Method	Drop off	Number of Coolers Shipped:	Received By: <u>[Signature]</u>	Date/Time	2-21-18 1445
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Group: A

Bottle Type:

P-1L

of Bottles: 8

Preservative:

ICE

Enter Number of Bottles Sent to Lab

Page 2 of 2

ALKALINITY
TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Group: A

Bottle Type:

BP-1L

of Bottles: 8

Preservative:

ICE

Enter Number of Bottles Sent to Lab

CHLSUITE-W

Group: A

Bottle Type:

P-500ML

of Bottles: 8

Preservative: ICE And H2SO4

Enter Number of Bottles Sent to Lab

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Group: A

Bottle Type:

P-125ML

of Bottles: 8

Preservative:

FILTER-ICE

Enter Number of Bottles Sent to Lab

W-PO4-F

Group: B

Bottle Type:

P-500ML

of Bottles: 5

Preservative:

HNO3

Enter Number of Bottles Sent to Lab

W-ICP

W-ICPMS

Group: C

Bottle Type:

P-250ML-WO-THI

of Bottles: 8

Preservative:

ICE

Enter Number of Bottles Sent to Lab

ECOLI-18QT

Group: D

Bottle Type:

BG-1L

of Bottles: 7

Preservative:

ICE

Enter Number of Bottles Sent to Lab

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

Group: E

Bottle Type:

QPCR-P-250ML

of Bottles: 8

Preservative:

ICE

Enter Number of Bottles Sent to Lab

PCR-FILTER

PCR-HF183

Group: F

Bottle Type:

QPCR-P-250ML

of Bottles: 6

Preservative:

ICE

Enter Number of Bottles Sent to Lab

PCR-FILTER

Container ID: BG-1L

Qty: 7 Preservation: ICE

Lot # 00069604

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Analysis of sucralose in water matrices by HPLC/MS/MS

Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: E

of Sites: 4

Container ID: QPCR-P-250ML

Qty: 8 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-FILTER

PCR-HF183

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Bottle Group: F

of Sites: 3

Container ID: QPCR-P-250ML

Qty: 6 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Cooler Packed By: CS Number of Coolers: 4 Date: 2/14/18

Kit must also include:

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

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2018-02-19-20

Cooler Packing Worksheet for Request: RQ-2018-02-19-20**Quincy, Little, Sand, 8, juniper****Ship Cooler On: 2/16/2018****Customer/Project: WAS-SECT/SMP**

Assigned To: SEARSON_C

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit

Group B: Metals

Group C: E. coli

Group D: Tracers (Aherb Short List)

Group E: PCR-FILTER, PCR-HF183

Group F: PCR-FILTER

Requested Analyses:**Bottle Group: A****# of Sites: 8****Container ID: P-1L****Qty: 8 Preservation: ICE****Lot # 00068075****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: 8 Preservation: ICE****Lot # 1214297****Description: Brown Plastic Bottle 1L****Analysis**

CHLSUITE-W

Description

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