



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Palm Coast Canal 0.6 mi. down from road

Date: 3-14-2019

(mm/dd/yyyy)

WIN/ Field ID: G5NE0026

WBID: 2609A

Latitude: 29.49754

(Decimal Degrees)

County: Flagler

ORG ID: 21 FLA

Longitude: -81.17991

(Decimal Degrees)

Receiving Body of Water: Graham Swamp

RQ-2019- 03-11-14

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Cheyanne Ruben							X		X	X
Amy Kalmbacher						X		X		

Sampling Equipment					
☒ Sample Container	☐ Van Dorn	☒ Pole			
☐ Carboy	☐ Syringe				
☐ Dipper	☐ Other				
Depth Measured with <u>meter</u>					
Equipment ID <u>ortno #3</u>					

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>PRO DSS</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 Low				
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°)
EST	1045	0.16	0.05	0.10	3.13	35	7.05	0.18	380	20.4
CEN				5						

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	SA8274050	6/19	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	ROKM7522		
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-BR-IC / 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-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ 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			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes:

WIN ID/Field ID: 
G5NE0026

Palm Coast Canal 0.6mi down from road

Signature: <u>Cheyanne R</u>	Date: <u>3/14/19</u>
LIMS EVENT ID: <u>2019-03-15-01</u>	WIN Import ID: _____
Enter Field Parameters, Verify Station ID in LIMS DMT: <u>3/15/19</u>	QC Station ID, Field Parameters in LIMS DMT: <u>BD 3/25/19</u>
Scan/Save Field Sheets <u>BD 3/25/19</u>	Migrate Data to WIN: _____
(Initials/Date)	(Initials/Date)
Verify Data in WIN: _____	(Initials/Date)

Duplicate

Time Zone: EST CEN Time: 1050 Field ID: G5NE0026DUP
(WIN ID_DUP)

WIN DMT Activity ID:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	SA8274050	10/19	☒ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice	RKA17522		
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-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E-3821-MS ☐ W-CARB-AA	☐ Ice			

Contains: 1:1 H2SO4
Lot No.: SA8274050
Expires: 10/01/19
See Safety Data Sheet (SDS)

Place Preserve

Blank

Time Zone: EST CEN Time: 1350 Field ID: FB-03142019
(Blank Type_DMMYYYY)

DI Source: NEROC LAB DI water Location: Lake Vedra at Solana Rd

☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank Equipment ID: 04tho #3

WIN DMT Blank Batch ID:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	SA8274050	10/19	☒ < 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	JA8080010		☒ < 2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice	RKA17522		
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			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-MS ☐ W-CARB-AA	☐ Other			

Contains: 1:1 H2SO4
Lot No.: SA8274050
Expires: 10/01/19
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No.: SA8274050
Expires: 10/01/19
See Safety Data Sheet (SDS)

Notes:

Location: LAKE VEDRA AT SOLANA RD.

FIELD ID: FB 03142019

Field ID: G5NE0026 DUP

Location: Palm Coast Canal 0.6 mi down from road

WIN ID: G5NE0026

Signature: [Signature] Date: 3-14-2019

LIMS EVENT ID: 2019-03-15-01 WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: 3/15/19 QC Station ID, Field Parameters in LIMS DMT: 3/25/19
(Initials/Date) (Initials/Date)

Scan/Save Field Sheets 3/25/19 Migrate Data to WIN: _____ Verify Data in WIN: _____
(Initials/Date) (Initials/Date)

UEC 2019

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

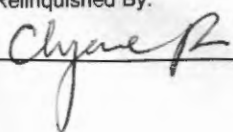
Field Report Prepared By: C. Ruben

Project ID: SMP

Collected By: C. Ruben & A. Kalmbacher

Sampling Agency: FDEP NE ROC

WIN ID/Field ID:  G5NE0026		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3/14/19 Time 1045		☒ Eastern ☐ Central		Composite end Date — Time —		Bottle Group(s) (See pg 2) C	
Palm Coast Canal 0.6mi down from road		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 3.13		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —			
Temp (C) 20.4		pH 7.05		Sample Depth 0.05		☐ ft ☒ m		Sp. Conductance (umho/cm) 380			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.18		Comments					
Field ID:  G5NE0026 DUP		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3/14/19 Time 1050		☒ Eastern ☐ Central		Composite end Date — Time —		Bottle Group(s) C	
Location: Palm Coast Canal 0.6 mi down from road		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN ID:  G5NE0026		Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments					
WIN ID/Field ID:  27010060		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3/14/19 Time 0950		☒ Eastern ☐ Central		Composite end Date — Time —		Bottle Group(s) C	
CRACKER BR. @ CR 204		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 4.1		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —			
Temp (C) 19.4		pH 6.65		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 286			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.14		Comments					
WIN ID/Field ID:  27010050		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3/14/19 Time 0920		☒ Eastern ☐ Central		Composite end Date — Time —		Bottle Group(s) A	
MOSES CR AT US 1		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.4		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —			
Temp (C) 18.7		pH 7.10		Sample Depth 0.05		☐ ft ☒ m		Sp. Conductance (umho/cm) 349			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.17		Comments					

Relinquished By: 	Date/Time: 3/14/19 1500	Shipping Method: Fedex	Number of Coolers Shipped: 2	Received By:	Date/Time:
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UEC 2019

last revised Jan 25, 2018

Central Laboratory Submittal Form

Customer: NE-DIST

Requester: Jeremy M. ParrishField Report Prepared By: Chyanne Riben

Project ID: SMP

Collected By: C. Riben & A. KalmbacherSampling Agency: FDEP

Location: LAKE VEDRA AT SOLANA RD.		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>3/14/19</u> Time <u>1350</u>		☒ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)	
FIELD ID:  FB 03142019		Matrix (type, e.g., Salt, Fresh, etc) <u>D7 water</u>		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		D	
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms		Temp (C)		pH		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)			
WIN ID/Field ID:  27010180		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		B	
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms		Temp (C) <u>21.0</u>		pH <u>8.93</u>		Sample Depth <u>0.3</u> ☐ ft ☒ m		Sp. Conductance (umho/cm) <u>893</u>			
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments							
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments							
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments							

Relinquished By: <u>Chyanne Riben</u>	Date/Time: <u>3/14/19 1300</u>	Shipping Method: <u>Fedex</u>	Number of Coolers Shipped: <u>2</u>	Received By: _____	Date/Time: _____
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 to ALS
	NE-ALS-ECQ						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						

Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
Group: C	Bottle Type: NE-ALS-ECQ	P-250ML-WI-THI	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3 to ALS
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
Group: C	Bottle Type:	P-125ML	# of Bottles: 3	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	3

Group: C	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>3</u>
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W-PO4-F

Group: D	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
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ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: D	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>1</u>
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W-ICP
W-ICPMS

Group: D	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>1</u>
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W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Group: D	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
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W-PO4-F