



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Date Qualified?

Yes / No

WIN Station Name:

Penner Pond Center

Date: 4/4/2018

WIN/ Field ID:

G1NE0864

WBID: 2740E

Latitude: 29.49301

County:

Manatee

ORG ID: 21FLA

Longitude: -81.82841

Receiving Body of Water:

Ocklawaha River

RQ-2018-04-09-16

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. P. Smith									
B. Davis									

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with: YSI 17		
Equipment ID: 045073		

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

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

Meter ID# 75477

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Interstitial / Flowing / NA

Tide: Rising / Falling / Slack / NA

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 (µmhos/cm)	Temp. (C°)
EST	1146	1.7	0.3	1.0	5.7	65.1	5.45	0.01	33	22.0
CEN	t									21.0

Biological Samples Collected: None 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	SA72330X	8/21/18	☒ 2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☐ HNO3	7261120	9/18/18	☒ 2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice	R7KA/2512		
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 ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes:

WIN / Field ID: G1NE0864

Penner Pond Center

Signature: [Signature] Date: 4/4/18

Enter Field Parameters, Verify Station ID in LIMS DMT: [Signature] QC Station ID, Field Parameters in LIMS DMT: BP 4/9/18

Scan/Save Field Sheets [Signature] Migrate Data to WIN: [Signature] Verify Data in WIN: [Signature]

(Initials/Date) (Initials/Date) (Initials/Date)

QA/QC Sample Information

Duplicate

Time Zone: EST CEN		Sample Depth (m): _____		Field ID: _____	
Time: _____		Total Depth (m): _____			
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			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 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			
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-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Place Preservative Sticker(s) Here
(If Available)

Blank

Time Zone: EST CEN		Time: <u>1155</u>		Field ID: <u>Penner Pond</u>	
DI Source: <u>NE ROC LAB</u>		Location: _____		Equipment ID: <u>ORTHO # R7KA121512</u>	
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank					
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			☒ < 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃			☒ < 2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	<u>R7KA121512</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			
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-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

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

SULFURIC ACID <51%
DANGER
Corrosive
1-800-455-2711
Contains: 1:1 H2SO4
May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/vapors. Wash thoroughly after handling. Avoid contact with skin and clothing. Do not ingest. Do not get in eyes. Do not get on face. If swallowed, do not induce vomiting. If on skin (or hair), remove all contaminated clothing, including shoes. If on face, remove all contaminated clothing, including shoes. If in eyes, flush eyes continuously with water for several minutes. If inhaled, remove victim to fresh air and breathe fresh air. If breathing is difficult, use oxygen. If unconscious, place in recovery position. Continue monitoring until medical help arrives.

Notes:		WIN / Field ID:  FB04042018	
		Field Blank NE DI Water	
Signature: _____		Date: _____	

Field Parameters Entered into LIMS: 11/6/14 (Initials/Date) Field Parameters QC in LIMS: _____ (Initials/Date)

Date Migrated to STORET: _____ (Initials/Date) Field Sheets Scanned/Saved: _____ (Initials/Date)



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

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[illegible]

Cooler Packing Worksheet for Request: RQ-2018-04-02-19

Rice Creek-GP

Ship Cooler On: 3/20/2018

Customer/Project: NE-DIST/SMP

Assigned To: REAVES_S

Requester: Jeremy M. Parrish

Priority: 3

904-256-1700
8800 Baymeadows Way West

Jacksonville, FL 32256-7577

Attn: Jeremy Parrish

Comments:

No preservatives needed.

Group A: Freshwater Kit With Metals

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00070681

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: 3 Preservation: ICE

Lot # 1204544

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 3 Preservation: HNO3

Lot # 00067590

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

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00067690

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: 3 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

Cooler Packed By: SR

Number of Coolers: 1

Date: 3-19-2018

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-2018-04-02-19

Cooler Packing Worksheet for Request: RQ-2018-04-09-16

Ocklawaha lakes

Ship Cooler On: 3/30/2018

Customer/Project: NE-DIST/SMP

Assigned To: GREENWOO_J

Requester: Jeremy M. Parrish

Priority: 3

904-256-1700
8800 Baymeadows Way West

Jacksonville, FL 32256-7577

Attn: Jeremy Parrish

Comments:

No preservatives needed.

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 60070681

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: 2 Preservation: ICE

Lot # 1199138

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WI-THI

Qty: 2 Preservation: ICE

Lot # 115269

Description:

Analysis

NE-ALS-ECQ

Description

Escherichia coli by Colilert Quanti-Tray method by ALS Environmental Overflow Laboratory for Northeast District

Container ID: P-500ML

Qty: 2 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: 2 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: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00070681

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: 2 Preservation: ICE

Lot # 1199138

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WI-THI

Qty: 2 Preservation: ICE

Lot # 415269

Description:

Analysis

NE-ALS-ECQ

Description

Escherichia coli by Collert Quanti-Tray method by ALS Environmental Overflow Laboratory for Northeast District

Container ID: P-500ML

Qty: 2 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

Container ID: P-500ML

Qty: 2 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: 2 Preservation: FILTER-ICE

Lot # 00019732

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Central Laboratory Submittal Form

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Collected By: J Bams

Field Report Prepared By: J Bams

Sampling Agency: FDEP

Location	WIN / Field ID:	Collection (comp begin or grab)	Eastern Central	Composite end	Bottle Group(s)
Field ID		Date		Date	(See pg 2)
WIN/STOF	Penner Pond Center	Matrix (type, e.g., Salt, Fresh, etc)			
Latitude	☐ dd ☐ dms	Temp (C)	22.0	pH	5.45
Longitude	☐ dd ☐ dms	Salinity (ppt)	0.01	Sample Depth	0.3
Location	WIN / Field ID:	Collection (comp begin or grab)	Eastern Central	Composite end	Bottle Group(s)
Field ID		Date		Date	
WIN/STO	Field Blank NE DI Water	Matrix (type, e.g., Salt, Fresh, etc)			
Latitude	☐ dd ☐ dms	Temp (C)		pH	
Longitude	☐ dd ☐ dms	Salinity (ppt)		Sample Depth	
Location	WIN / Field ID:	Collection (comp begin or grab)	Eastern Central	Composite end	Bottle Group(s)
Field ID		Date		Date	
WIN/STORE	Hewitt Lake Center	Matrix (type, e.g., Salt, Fresh, etc)			
Latitude	☐ dd ☐ dms	Temp (C)	23.8	pH	6.5
Longitude	☐ dd ☐ dms	Salinity (ppt)	0.03	Sample Depth	0.3
Location	WIN / Field ID:	Collection (comp begin or grab)	Eastern Central	Composite end	Bottle Group(s)
Field ID		Date		Date	
WIN/STOF	Pegram Lake Center	Matrix (type, e.g., Salt, Fresh, etc)			
Latitude	☐ dd ☐ dms	Temp (C)	24.6	pH	6.55
Longitude	☐ dd ☐ dms	Salinity (ppt)	0.03	Sample Depth	0.3
Location	WIN / Field ID:	Collection (comp begin or grab)	Eastern Central	Composite end	Bottle Group(s)
Field ID		Date		Date	
WIN/STOF	Pegram Lake Center	Matrix (type, e.g., Salt, Fresh, etc)			
Latitude	☐ dd ☐ dms	Temp (C)	24.6	pH	6.55
Longitude	☐ dd ☐ dms	Salinity (ppt)	0.03	Sample Depth	0.3

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
J Bams	4/14/18 1:00	Fedex	1		

Group:	Bottle Type:	P-1L	# of Bottles:	Preservative:	ICE	Enter Number of Bottles Sent to Lab		
A	ALKALINITY		2			2		
	TURBIDITY							
	W-CL-IC							
	W-COLOR							
	W-F							
	W-SO4-IC							
	W-TDS							
W-TSS								
A	Bottle Type:	BP-1L	# of Bottles:	2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W							
A	Bottle Type:	P-250ML-WI-THI	# of Bottles:	2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	NE-ALS-ECQ							
A	Bottle Type:	P-500ML	# of Bottles:	2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3							
	W-NO2NO3							
	W-S-A-TP							
	W-TKN							
	W-TOC							
A	Bottle Type:	P-125ML	# of Bottles:	2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F							
B	Bottle Type:	P-1L	# of Bottles:	2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY							
	TURBIDITY							
	W-CL-IC							
	W-COLOR							
	W-F							
	W-SO4-IC							
W-TDS								
W-TSS								
B	Bottle Type:	BP-1L	# of Bottles:	2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W							
B	Bottle Type:	P-250ML-WI-THI	# of Bottles:	2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 to ALS

Group: B	Bottle Type: P-250ML-WI-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
NE-ALS-ECQ				
Group: B	Bottle Type: P-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab
W-ICP				
W-ICPMS				
Group: B	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
W-NH3				
W-NO2NO3				
W-S-A-TP				
W-TKN				
W-TOC				
Group: B	Bottle Type: P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
W-PO4-F				