

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

Boldly "X" this box if there are qualified data on this page.

Meter ID: Desi RQ- 12-2-27 Project: LSJK R/Ltka/Hastings

12-02-30

- 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 10/2019

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	K. Appleby	12/4/19	7:39	21.3	759.9	8.9	8.87	100.0	—	1.05	P/F	D/F
ICV	↓	↓	7:41	21.3	759.9	8.9	8.87	100.1	—	1.05	P/F	L/F
CCV	Brian Davis	12/4/19	1600	19.3	758.2	9.2	9.2	100.2	✓	1.05	P/F	D/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 (Pro DSS 0.75 to 1.50); 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	K. Appleby	12/4/19	8:43	190711B	7/2020	1000	1000	P/F	D/F
ICV	↓	↓	7:46	190711A	7/2020	100	104.3	P/F	D/F
CCV	↓	↓	1605	191025B	11/20	20,000	19716	P/F	D/F
CCV								P/F	L/F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	K. Appleby	12/4/19	7:52	2902779	1/2021	7.00	22.6	7.14	35.6	P/F	D/F
Calibr.	↓	↓	7:54	2907062	7/2021	4.00	22.6	4.00	146.2	P/F	D/F
Calibr.	↓	↓	7:59	2904E91	10/2020	10.00	22.6	10.00	204.3	P/F	D/F
ICV	↓	↓	8:01	2907062	7/2021	4.00	22.7	3.95	147.6	P/F	D/F
CCV	Brian Davis	12/4/19	1607	2904E91	10/20	10.02	22.8	9.98	205.8	P/F	D/F
CCV										P/F	L/F

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

mV pH 4 Range +180 ± 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)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 10/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last 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	K. Appleby	12/4/19	8:03	0.00	0.00	P/F	D/F

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

COMMENTS:



MOCCASSIN BRANCH AT WINFORD MASTERS RD
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
 Yes / No

WIN Station Name: **MOCCASSIN BRANCH**

Date: 12/4/2019 12/4/2019
 (mm/dd/yyyy)

WIN/ Field ID: **20030557**

WBID: **2540**

Latitude: **29.77147**

(Decimal Degrees)

County: **Putnam**

ORG ID: **21FLA**

Longitude: **81.47035**

(Decimal Degrees)

Receiving Body of Water: **SJR**

RQ-2019-01-07-44 12-2-27

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
K. Appleby					☒	☒	☒	☒	☒
B. Davis					☒	☒	☒	☒	☒

Sampling Equipment	
☒ Sample Container	☒ Van Dorn ☒ Pole
☐ Carboy	☐ Syringe
☐ Dipper	☐ Other
Depth Measured with <u>Desi</u>	
Equipment ID <u>Ortho RT #3</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☒ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: Dry / Pooled / Low / Normal / High / Flooded
 Meter ID# Desi Matrix: Fresh / Marine / DI
 Photos: Yes / No Flow: No Flow / Intestinal / 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 (PPTH)	Sp COND (umhos/cm)	Temp. (C°)
<u>EST</u>	<u>1410</u>	<u>0.14</u>	<u>0.07</u>	<u>VOB</u>	<u>8.35</u>	<u>79.5</u>	<u>7.21</u>	<u>1.11</u>	<u>2160</u>	<u>13.0</u>
CEN				<u>S</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#:

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>SA9203100</u>	<u>7/2020</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>NA9129070</u>	<u>5/2020</u>	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	<u>R9BA86875</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-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:



20030557

MOCCASSIN BRANCH AT WINFORD MASTERS RD

Signature:

[Handwritten Signature]

Date:

12/4/2019

LIMS EVENT ID: WIN Import ID:

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:

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name: Dunns creek 0.4 miles upstream of US17

Date: 12/4/2019
(mm/dd/yyyy)

WIN/ Field ID: G2NE1187

WBID: 2606A

Latitude: 29.57755

(Decimal Degrees)

County: Putnam

ORG ID: 21FLA

Longitude: -81.62629

(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2019-01-07-44 12-2-27

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
R. Appleby									
B. Davis									

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☒ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>Well #1</u>		
Equipment ID <u>ortho kit #3</u>		
Collection Method		
☐ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☒ Other <u>Dock</u>	☐ Gasoline Motor	

Water Level: Dry / Pooled / Low / Normal / High / Flooded
Photos: Yes / No / Flow: No Flow / Intestinal / Flowing / NA
Meter ID# Desi Matrix: Fresh / Marine / DI
Tide: Rising / Falling / Slack / NA Tide Times: High 1020 Low 510

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	1140	1.5	0.3	0.9	7.71	80.9	7.49	0.40	805	17.5
CEN	1142		1.0		7.65	80.1	7.65	0.40	810	17.5

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	SA9203100	7/2020	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	NA8344050	12/2019	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	RTA86875		
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			
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: G2NE1187

Dunns Creek 0.4 miles upstream of US17

Signature: [Signature] Date: 12/4/2019

LIMS EVENT ID: WIN Import ID:

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:

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Bull Creek Canal 0.5M Upstr of Dead Lake

Date: 12/4/2019
(mm/dd/yyyy)

WIN/ Field ID: G2NE1182

WBID: 2615

Latitude: 29.42792

(Decimal Degrees)

County: Putnam

ORG ID: 21FLA

Longitude: -81.43617

(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2019-01-07-44 12-2-27

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
B Davis									
K Appleby									

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with W211 #1		
Equipment ID OLR0 #1		

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

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

Meter ID# Desi

Matrix: Fresh/ Marine/ DI

Photos: Yes / No

Flow: No Flow / Intestinal / 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 (PPTH)	Sp COND (umhos/cm)	Temp. (C°)
EST	1020	2.9	0.3	0.7	4.47	44.7	6.85	0.42	853	15.2
CEN	1023		2.2		5.12	50.1	6.79	0.88	1703	14.6

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	SA9203100	7/22/20	<2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	NA9129070	5/9/20	<2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	R9BAP6875		
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / ☒ W-F / ☒ W-TSS / ☒ TURBIDITY / ☒ W-C-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 ☐ W-E8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes:

WIN ID/Field ID:



G2NE1182

Bull Creek Canal 0.5M Upstr of Dead Lake

Signature: [Signature]

Date: 12/4/19

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

QA/QC Sample Information Duplicate

Time Zone: EST CEN Time: 1025 Field ID: _____ (WIN ID + DUP)

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	SA9203100	7/2020	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA9129070	5/2020	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	R9B486875		
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-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			
Tracers	W-E8321-DI & W-E8321-MIS	Ice			

Blank

Contains: 1:1 HNO₃
Lot No.: NA9129070
Expires: 05/09/20
See Safety Data Sheet (SDS)

Contains: 1:1 H₂SO₄
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO₃
Lot No.: NA8344050
Expires: 12/10/19
See Safety Data Sheet (SDS)

Contains: 1:1 H₂SO₄
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Time Zone: EST CEN Time: 1030 Field ID: _____

DI Source: NE Lab Location: _____

☒ Field Blank ☒ Equipment Blank ☐ Field Cleaned Equipment Blank

Location: Bull Creek Canal 0.5M Upstr of Dead Lake

FIELD ID: _____



FB 12042019

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	SA9203100	7/2020	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA8344050	12/2019	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☐ Ice	R9B486875		
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-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			
Tracers	W-E8321-DI W-E8321-MIS				

Notes:

Field ID: _____

Location: Bull Creek Canal 0.5M Upstr of Dead Lake

WIN ID: _____

Date: 12/4/19

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: _____

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. ParrishField Report Prepared By: K. ApplebyCollected By: Brian Davis + Kimberly ApplebySampling Agency: FDEP NE ROL

Location	WIN ID/Field ID:		20030557	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/4/2019</u> Time <u>1410</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID				Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>8.35</u> ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORE	MOCCASSIN BRANCH AT WINFORD MASTERS RD			Temp (C) <u>13.0</u>	pH <u>7.21</u>	Sample Depth <u>0.07</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>2160</u>	<u>A</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>1.11</u>	Comments			
Location	WIN ID/Field ID:		G2NE1187	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/4/2019</u> Time <u>1140</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.71</u> ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORE	Dunns Creek 0.4 miles upstream of US17			Temp (C) <u>17.5</u>	pH <u>7.49</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>805</u>	<u>A</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.40</u>	Comments			
Location	WIN ID/Field ID:		G2NE1182	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/4/2019</u> Time <u>1020</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>4.47</u> ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORE	Bull Creek Canal 0.5M Upstr of Dead Lake			Temp (C) <u>15.2</u>	pH <u>6.85</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>853</u>	<u>B</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.42</u>	Comments			
Location	Location:	Bull Creek Canal 0.5M Upstr of Dead Lake		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/4/2019</u> Time <u>1030</u>	☒ 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/STORE	FIELD ID:		FB 12042019	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	<u>C</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By: <u>K. Appleby</u>	Date/Time <u>12/4/2019 1600</u>	Shipping Method <u>Fed Ex</u>	Number of Coolers Shipped: <u>2</u>	Received By:	Date/Time
---------------------------------------	------------------------------------	----------------------------------	--	--------------	-----------

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4 → sent to ALS</u>
	NE-ALS-ECQ						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 4 <u>2</u>	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						

Central Laboratory Submittal Form

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By: K. Appleby

Project ID: SMP

Collected By: B. Davis & K. Appleby

Sampling Agency: FDEP NE ROL

Lo	Field ID:  G2NE1182 DUP		☐ Comp	Collection (comp begin or grab)	☒ Eastern	Composite end	Bottle Group(s) (See pg 2)	
Fi	Location: Bull Creek Canal 0.5M Upstr of Dead Lake		☒ Grab	Date 12/4/2019 Time 1025	Central	Date Time		
W	WIN ID:  G2NE1182		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m	
				Salinity (ppt)	Comments			
Location				☐ Comp ☐ Grab	Collection (comp begin or grab)	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID				Date Time	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #				Temp (C)	pH	Sample Depth	☐ ft ☐ m	
Latitude				☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments
Location				☐ Comp ☐ Grab	Collection (comp begin or grab)	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID				Date Time	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #				Temp (C)	pH	Sample Depth	☐ ft ☐ m	
Latitude				☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments
Location				☐ Comp ☐ Grab	Collection (comp begin or grab)	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID				Date Time	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #				Temp (C)	pH	Sample Depth	☐ ft ☐ m	
Latitude				☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments
Location				☐ Comp ☐ Grab	Collection (comp begin or grab)	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID				Date Time	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #				Temp (C)	pH	Sample Depth	☐ ft ☐ m	
Latitude				☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments

Relinquished By: K. Appleby	Date/Time: 12/4/2019 1600	Shipping Method: Fed Ex	Number of Coolers Shipped: 2	Received By:	Date/Time:
-----------------------------	---------------------------	-------------------------	------------------------------	--------------	------------

Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2</u>
Group: B	Bottle Type: NE-ALS-ECQ	P-120ML-WC-THI	# of Bottles: 2 4	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>4 → Sent to ALS</u>
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2</u>
Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab <u>2</u>
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>2</u>
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>2</u>
Group: C	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
Group: C	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab <u>1</u>

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

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



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR #
CAS Contact

9143 Philips Highway, Suite 200, Jacksonville, FL 32256
Phone (904) 739-2277 / 800-695-7222 x06 / FAX (904) 739-2011

Page _____ of _____

www.alsglobal.com

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																			
L5JR Palatka		Ra-2019-12-02-27																					
Report To		Report CC																					
Jeremy Parrish																							
Company/Address				Preservative																			
8800 Baymeadows Way W																							
FDEP NE ROL																							
Phone #																							
(904) 256-1700		FAX #		NUMBER OF CONTAINERS																			
Sampler's Signature		Sampler's Printed Name																					
[Signature]		Kim Appleby																					
CLIENT SAMPLE ID		LAB ID		SAMPLING DATE TIME		Matrix																	
G2NE1182				12/4/19 1020		SW																	
G2NE1187				12/4/19 1140		SW																	
20030844				12/4/19 1330		SW																	
20030557				12/4/19 1410		SW																	
G2NE1182 DUP				12/4/19 1025		SW																	
Special Instructions/Comments:				TURNAROUND REQUIREMENTS				REPORT REQUIREMENTS				INVOICE INFORMATION											
22 ^c				RUSH (SURCHARGES APPLY)				I. Results Only				P.O. #											
				STANDARD				II. Results + QC Summaries (LCS, DUP, MS/MSD as required)				Bill to:											
				REQUESTED FAX DATE				III. Results + QC and Calibration Summaries															
				REQUESTED REPORT DATE				IV. Data Validation Report with Raw Data															
Relinquished By		Received By		Relinquished By		Received By		Relinquished By		Received By													
Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]													
Printed Name Kim Appleby		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name													
Firm FDEP NE ROL		Firm		Firm		Firm		Firm		Firm													
Date/Time 12/4/2019 1520		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time													

Chain of Custody

SMF-9