

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- 2019-08-19-15 Project: BMAP 2

- 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 7/20/19

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	8/20/19	735	23.3	763.9	8.6	8.56	100.5	-	-	P/F	L/F
ICV	↓	↓	737	23.4	763.9	8.6	8.56	100.5	-	-	P/F	L/F
CCV	↓	↓	1313	24.9	763.8	8.32	8.32	100.4	-	-	P/F	L/F
CCV						8.3					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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	K. Appleby	8/20/19	739	190711B	7/20/20	1000	1000	P/F	L/F
ICV	↓	↓	746	190319B	3/20/20	100	104.3	P/F	L/F
CCV	↓	↓	1315	190711B	7/20/20	1000	997	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	K. Appleby	8/20/19	753	290277B	1/20/21	7.00	24.2	7.00	-23.6	P/F	L/F
Calibr.	↓	8/20/19	756	2904800	3/20/21	4.00	24.3	4.00	158.5	P/F	L/F
Calibr.	↓	↓	758	2901BS1	7/20/20	10.00	24.4	10.00	-194.8	P/F	L/F
ICV	↓	↓	802	2904800	3/20/21	4.00	24.4	4.01	156.8	P/F	L/F
CCV	↓	↓	1320	2901BS1	7/20/20	10.00	24.2	10.01	-197.1	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)

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: 7/20/19

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	8/20/19	802	0.00	0.00	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:

(Initials/Date) (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 STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: TROUT RIVER AT OLD KINGS RD

Date: 8/20/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030753

WBID: 2203

Latitude: 30.43127

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.76858

(Decimal Degrees)

Receiving Body of Water: Duval

RQ-2019- 08-19-15

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Cheyenne Ruben Amy Kalmbacher					☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☒ Pole	
										☐ Carboy	☐ Syringe		
										☐ Dipper	☐ Other		
										Depth Measured with <u>meter</u>			
										Equipment ID <u>Ortho Kit 44</u>			
										Collection Method			
										☐ Wading	☐ Canoe/Kayak		
										☒ From Shore	☐ Electric Motor		
										☐ Other	☐ Gasoline Motor		

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded Meter ID# DS1 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 (PPT)	Sp COND (umhos/cm)	Temp. (C°)
<u>EST</u>	<u>1000</u>	<u>0.62</u>	<u>0.3</u>	<u>0.6</u>	<u>5.8</u>	<u>71</u>	<u>6.48</u>	<u>0.06</u>	<u>126</u>	<u>25.4</u>
CEN										

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>SA9010030</u>	<u>4/2020</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	<u>RA86875</u>		
Chlorophyll	☒ CHL-SUITE-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 / Field ID:



20030753

TROUT RIVER AT
OLD KINGS RD

Signature: Kalmbacher

Date: 8-20-2019

LIMS EVENT ID: WIN Import ID: Q Station ID, Field Parameters in LIMS DMT: (Initials/Date)

Enter Field Parameters, Verify Station ID in LIMS DMT: (Initials/Date)

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

(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: MONCRIEF CR @ 21ST ST

Date: 08-20-2019

(mm/dd/yyyy)

WIN/ Field ID: 20030897

WBID: 2228B

Latitude: 30.35666

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.69108

(Decimal Degrees)

Receiving Body of Water: Trout River

RQ-2019- 08-19-15

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyanne Ruben						☒	☒	☒	☒	☒	☐ Sample Container	☐ Van Dorn	☐ Pole		
Amy Kalmbacher						☒	☒	☒	☒	☒	☐ Carboy	☐ Syringe			
											☐ Dipper	☐ Other			
											Depth Measured with <u>DeSi</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>D6</u>			Matrix: <u>Fresh</u> / Marine / DI						
Photos: Yes / <u>No</u>						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 (µmhos/cm)	Temp. (C°)					
EST	1025	0.18	0.09	0.18	3.62	45.0	7.12	0.20	429.4	26.4					
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 ☐ 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-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 / Field ID:



20030897

MONCRIEF CR @ 21ST ST

Signature:

[Handwritten Signature]

Date:

8-20-2019

LIMS EVENT ID:

WIN Import ID:

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 STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name: BIG FISHWEIR CR SF @ HAMILTON ST

Date: 08/20/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030801

WBID: 2280A

Latitude: 30.29315

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: 81.72209

(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2019- 08-19-15

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyenne Ruben K. Appleby Amy Kalmbacher						☒	☒	☒	☒	☒	☒ Sample Container ☐ Van Dorn ☒ Pole ☐ Carboy ☐ Syringe ☐ Dipper ☐ Other Depth Measured with <u>meter</u> Equipment ID <u>Ortho Kit 44</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>YSI ProDSS DCA</u>					Matrix: <u>Fresh</u> Marine/ DI				
Photos: Yes / <u>No</u> 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	1120	0.37	0.2	0.37	3.2	39	7.28	0.24	509	26.5					
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 um 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-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice									
Macroinvertebrates		☐ MI-FW-QLDC				☐ Formalin					Place Preservative Sticker(s) Here (If Available)				
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 / Field ID:



20030801

BIG FISHWEIR CR SF
@ HAMILTON ST

Signature: Kalmbacher

Date:

8-20-2018

LIMS EVENT ID:

WIN Import ID:

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 STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: LITTLE FISHWEIR CR AT OAK ST.

Date: 8/20/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030953

WBID: 2280A

Latitude: 30.2946666

(Decimal Degrees)

County: Duval

ORG ID: 21FL

Longitude: -81.709194

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 08-19-15

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyenne Ruben							X					☒ Sample Container	☐ Van Dorn	☒ Pole	
Amy Kalmbacher						X		X	X			☐ Carboy	☐ Syringe		
												☐ Dipper	☐ Other		
												Depth Measured with <u>meters</u>			
												Equipment ID <u>Ortho Kit 44</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>YSI ProDSS Desi</u>			Matrix: <u>Fresh</u> Marine / DI						
Photos: Yes / <u>No</u>		Flow: No Flow / Intestinal / <u>Flowing</u> 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°)					
<u>EST</u>	<u>1145</u>	<u>0.15</u>	<u>0.1</u>	<u>0.15</u>	<u>4.3</u>	<u>53</u>	<u>7.07</u>	<u>0.22</u>	<u>461</u>	<u>26.8</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	<u>SA8344070</u>	<u>12/2019</u>	☒ <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-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					☐ Ice									
	☒ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD														
Tracers	☒ W-E8321-DI ☒ W-E8321-MS					☐ Ice									
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI					☐ Ice									
	☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA														
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C					☐ Ice									

Notes:

WIN / Field ID:



20030953

LITTLE FISHWEIR AT OAK ST.

Signature:

[Handwritten Signature]

Date:

8-20-2019

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)

Bmap 2

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By:

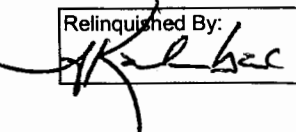
Project ID: SMP

Collected By:

Sampling Agency:

A. Kalmbacher
FDEP / NE ROC

WIN / Field ID:  20030123		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8-20-2019 Time 0920		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.11		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		C	
Temp (C) 25.8		pH 6.52		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 175.6			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.08		Comments					
WIN / Field ID:  20030753		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8-20-2019 Time 1000		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
TROUT RIVER AT OLD KINGS RD		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.8		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		D	
Temp (C) 25.4		pH 6.48		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 126			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.06		Comments					
WIN / Field ID:  20030897		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8-20-2019 Time 1025		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
MONCRIEF CR @ 21ST ST		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 3.62		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		F	
Temp (C) 26.4		pH 7.12		Sample Depth 0.09		☐ ft ☒ m		Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.20		Comments					
WIN / Field ID:  20030726		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8-20-2019 Time 1040		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
MONCRIEF CR AT MONCRIEF ROAD		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 3.27		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		B	
Temp (C) 27.4		pH 7.12		Sample Depth .07		☐ ft ☒ m		Sp. Conductance (umho/cm) 328.4			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.16		Comments					

Relinquished By: 	Date/Time: 8-20-2019 1330	Shipping Method: Fed Ex	Number of Coolers Shipped: 2	Received By:	Date/Time:
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Bmap 2

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By: A. Kalmbacher

Project ID: SMP

Collected By: K. ApplebySampling Agency: FDEP/NE ROC

WIN / Field ID:



20030801

BIG FISHWEIR CR SF
@ HAMILTON ST

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>8-20-2019</u> Time <u>1120</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2) E	
Matrix (type, e.g., Salt, <u>Fresh</u> , etc)		Diss. Oxygen <u>3.2</u>	☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Temp (C) <u>26.5</u>	pH <u>7.28</u>	Sample Depth <u>0.2</u>	☐ ft ☒ m		Sp. Conductance (umho/cm) <u>509</u>
Salinity (ppt) <u>0.24</u> Comments					

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

WIN / Field ID:



20030953

LITTLE FISHWEIR AT OAK ST.

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>8-20-2019</u> Time <u>1145</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) A	
Matrix (type, e.g., Salt, <u>Fresh</u> , etc)		Diss. Oxygen <u>4.3</u>	☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Temp (C) <u>26.8</u>	pH <u>7.07</u>	Sample Depth <u>0.1</u>	☐ ft ☒ m		Sp. Conductance (umho/cm) <u>461</u>
Salinity (ppt) <u>0.22</u> Comments					

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	<u>Eastern</u> 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 _____	<u>Eastern</u> 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 _____	<u>Eastern</u> 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: [Signature]

Date/Time

8-20-2019

Shipping Method

FedEx

Number of Coolers Shipped:

2

Received By:

Date/Time

1330

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
	NE-ALS-ECQ ← Sent to ALS						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	PCR-HF183						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI W-E8321-MS						
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						

Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	W-TDS					
	W-TSS					
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W					
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1 Sent to ALS
	NE-ALS-ECQ					
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP					
	W-ICPMS					
Group: B	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: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F					
Group: C	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY					
	TURBIDITY					
	W-BR-IC					
	W-F					
	W-TSS					
Group: C	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W					
Group: C	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1 Sent to ALS
	NE-ALS-ENQ					
Group: C	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	PCR-HF183					
Group: C	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI					

Group: C	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
W-E8321-MS							
Group: C	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: C	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
W-PO4-F							
Group: D	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: D	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
CHLSUITE-W							
Group: D	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
NE-ALS-ECQ							
Group: D	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: D	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
W-PO4-F							
Group: E	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
NE-ALS-ECQ							

1
 ↗ Sent to ALS

1
 ↗ Sent to ALS

Group: E	Bottle Type: QPCR-P-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
PCR-HF183				
Group: E	Bottle Type: BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
W-E8321-DI				
W-E8321-MS				
Group: F	Bottle Type: P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
NE-ALS-ECQ				

1
1
1
Sent to ALS



PAGE 1 OF 1

CAS Contract

Distribution: White - Return to Originator; Yellow - Retained by Client