



DIVERSIFIED
ENVIRONMENTAL LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

Project Number:

(Lab Use Only)

3653 Regent Boulevard, Suite # 509

Jacksonville, FL 32224

P. (904) 807-9625 E. info@delilab.com

F. (904) 807-9627

Page 1 of 1

Company Name Florida Department of Environmental Protection										Container Information (Qty, Size, & Type)								Sample Matrix Codes:					
Address 8800 Brynmeadows Way West										NPW		NPW		NPW								A. Air P. Petroleum	
City Jax State FL Zip 32256										NPW		NPW		NPW								B. Bulk S. Soil/Sludge	
Attn.																						W. Wipe O. Other	
Tel. E-mail or Fax										6		6		6								PW. Potable Water	
Project Name BMAP 1																						NPW. Non-Potable Water	
Project Number 2022-04-04-36										Container Preservation Codes								Sample Kit or Container Lot #					
Project Location										Parameters								Preservation Codes:					
Sampler Name/Signature Jerry Purn										E. Coli - Quantitray		Enterococci - Quantitray		Coliform, Fecal - MF 3 Dilutions								0. None 5. Na2S2O3	
Transfer #	Sample #	Sample Identification	Date Sampled	Time Sampled	Sample Matrix Code	Specific Cond. (Field)	Comp	Grab												1. H2SO4 6. Crushed Ice (4C)			
1		20030891	4/4/22	1005	NPW	340		X	X											2. HNO3 7. C6H8O6			
2		20030793		1030		438														3. HCl 8. NH4Cl			
3		20030958		1040		1350														4. NaOH 9. Other: (List)			
4		20030953		1105		409		X												Thermal Preservation:			
5		20030801		1130		423		X												In Crushed Ice? ☒ / No			
6		20030760		1150		302		X												Cooler Temp: 0.6 °C			
7		20030082		1200		377		X												Sample Cont. Temp: 5.8 °C			
8																				Turnaround Requested:			
9																				☒ Standard (10 Business Days)			
0																				☐ Semi-Rush (3-5 Business Days)			
																				☐ Rush (1-2 Business Days)			
																				Turnaround times are estimated & subject to change. Surcharges apply for all Rush samples.			
																				Billing Information:			
																				☐ Invoice with Report			
																				☐ Invoice to Accounting			
																				Req. #:			
																				P.O. #:			



Certification #E821059

Special Instructions:

Dilute 10x: 20030953,
20030958, 20030793, 20030760
20030082.

Previous High Results

Transfer Numbers

1-7

Relinquished By

Jerry Purn

Date / Time

4/4/22 1240

Received By

[Signature]

Date / Time

07/04/22 1240

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

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

Meter ID: BRUCE

RQ: 2022-04-04-36

Project: BMAP 1

- 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 2/3/22

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.	Vincent Miller	4/04/22	7:56	20.7	760.7	9.0	9.0	100.1	1.03	1.03	P/F	D/F
ICV			7:57	20.6	760.7	9.0	8.97	100.1	1.03	1.03	P/F	D/F
CCV	J. Parnish	4/14/22	13:28	21.3	761	8.8	8.8	99.5	—	—	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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Vincent Miller	4/04/22	8:42	210917B	09/22	1000	1000	P/F	D/F
ICV			8:45	211122B	12/22	1413	1402	P/F	D/F
CCV	J. Parnish	4/14/22	13:29	210917A	9/22	100	96	P/F	D/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.	Vincent Miller	4/04/22	8:47	2112B19	12/23	7.02	21.3	7.02	-14.1	P/F	D/F
Calibr.			8:51	2201058	11/24	4.00	21.5	4.00	-14.3	P/F	D/F
Calibr.			8:56	2202A63	7/23	10.04	21.4	10.04	-18.5	P/F	D/F
ICV			9:21	2112B15	12/23	7.02	21.3	7.05	-15.0	P/F	D/F
CCV	J. Parnish	4/14/22	13:30	2202A63	7/23	10.02	21.2	10.03	-19.0	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 $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 171.4, slope from 4 to 7 174.2 (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: 2/3/22

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	Vincent Miller	4/04/22	9:21	0.00	0.00	P/F	D/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
CHAIN OF CUSTODY FORM

Date: <u>4/4/2022</u> Customer: <u>NE-DIST</u> RQ: <u>RQ-2022-04-04-36</u>	Collected By: <u>Jeremy Parrish, Vincent McClure</u> Sampling Agency: <u>FDEP</u> Project ID: <u>BMAP</u>
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PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

Number of Coolers Shipped: Na

Delivery Method: HandDelivered

FIELD ID (Labels) submitted under this RQ for this collection date.

Site Location	Field ID/WIN ID
CRAIG CR @ HENDRICKS AVE	 20030793
CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK	 20030958
LITTLE FISHWEIR AT OAK ST.	 20030953
BIG FISHWEIR CR SF @ HAMILTON ST	 20030801
BUTCHER PEN CR AT WESCONNETT	 20030760
BUTCHER PEN CR @ CONFEDERATE PT ROAD	 20030082
GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC	 20030891

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 4/4/2022

1500EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:	Rec'd/Inspected Date:
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN FIELD SHEET

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: CRAIG CR @ HENDRICKS AVE

Date: 4/4/2022

WIN/Field ID: 20030793

WBID: 2297B

ENR: -

Latitude: 30.29631

County: DUVAL

Org ID: 21FLA

Longitude: -81.64803

Receiving Body of Water: Lower St. Johns

RQ: 2022-04-04-36

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Jeremy Parrish	☒		☒		
☒	Vincent McClure		☒		☒	
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☒ Pole
Depth measured with: Meter	
Secchi Equipment ID:	

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

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# BRUCE	
Photos: NO	Flow: FLOW	Tide: FALLING	Tide Times: High: Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes:			

Duplicate Sample	
Time Zone: EST	Time: Field ID: N/A (WIN ID_DUP)
WIN DMT Activity ID:	

Blank	
Time Zone: Time: Field ID: (Blank Type_DDMMYYYY)	
DI Source: Location:	
DI Type: Equipment ID:	

DI Container (Name/ID):	DI Container Type:
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LIMS EVENT ID: WIN Import ID:

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

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



RQ-2022-04-04-36

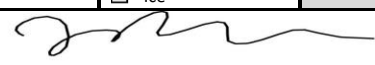
Customer: NE-DIST

Project ID: BASIN MANAGEMENT ACTION PLAN

Collected By: Jeremy Parrish, Vincent McClure

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

Place Label Here						Comments:					
WIN ID/Field ID:  20030793											
Location: CRAIG CR @ HENDRICKS AVE											
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE					
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)	
4/4/2022	1030 EST	5.8	63.2	19	7.23	0.3	0.6 ☒ VOB (S)	0.6	428	0.21	
	EST						Central Lab please use top row for login purposes				
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice H2SO4*		<2			
		Lot #		Exp:							
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☒ Ice HNO3*		<2			
		Lot #		Exp:							
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice					
		Filter Lot #				Syringe Lot #					
BOD (BP-1L)		☐ OV-BODUNIN				☐ Ice					
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice					
Physical/Aggregate (Fresh) (P-1L)		☒ TDS ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CLIC / W-COLOR / W-SO4-IC / W-				☐ Ice					
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice					
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				Formalin					
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice					
Microbiology (Contract Lab Bottle)		☐ Coli ☐ Coli ☒ Enterococci ☐ Contract Lab				☒ Ice			1	A	
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice					
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice		MCAA Exp.			
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-TR-SQ-R ☐ W-PCB-TQ-R				☐ Ice		MCAA Lot#			
Phytoplankton/Periphyton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice					
Name: Jeremy Parrish Vincent McClure					Signature: 					Date: 04/04/2022	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN FIELD SHEET

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK

Date: 4/4/2022

WIN/Field ID: 20030958

WBID: 2297B

ENR: -

Latitude: 30.29522

County: DUVAL

Org ID: 21FLA

Longitude: -81.64989

Receiving Body of Water: Lower St. Johns

RQ: 2022-04-04-36

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Jeremy Parrish	☒		☒		
☒	Vincent McClure		☒		☒	
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☒ Pole
Depth measured with: Meter	
Secchi Equipment ID:	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☒ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded				Meter ID# BRUCE	
Photos: NO	Flow: FLOW	Tide: FALLING	Tide Times: High:	Low:	
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI		Other:			
SBIO ID Numbers:					
Notes:					

Duplicate Sample			
Time Zone: EST	Time:	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			
Blank			
Time Zone:	Time:	Field ID:	(Blank Type_DDMMYYYY)
DI Source:	Location:		
DI Type:	Equipment ID:		
DI Container (Name/ID):		DI Container Type:	

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: KV 5/10/22



RQ-2022-04-04-36
Customer: NE-DIST
Project ID: BASIN MANAGEMENT ACTION PLAN

Collected By: Jeremy Parrish, Vincent McClure
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here WIN ID/Field ID:  20030958 Location: CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK						Comments:				
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT _h)
4/4/2022	1040 EST	5	55.7	20.2	7.1	0.3	0.4 ☒ VOB (S)	0.4	1350	0.68
	EST						Central Lab please use top row for login purposes			
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice H2SO4*		<2		
		Lot #		Exp:						
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☒ Ice HNO3*		<2		
		Lot #		Exp:						
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice				
		Filter Lot #				Syringe Lot #				
BOD (BP-1L)		☐ OV-BODUNIN				☐ Ice				
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice				
Physical/Aggregate (Fresh) (P-1L)		☒ TDS Alkalinity / W-F / W-TSS / TURBIDITY / W-CLIC / W-COLOR / W-SO4-IC / W-				☐ Ice				
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☐ Coli ☐ Coli ☒ Enterococci ☐ Contract Lab				☒ Ice			1	A
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice				
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice		MCAA Exp.		
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		WE8321-MS		W-PSNP-TQ		W-CT-CL-R		MCAA Lot#
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-TR-SQ-R				
		W-PCB-TQ-R								
Phytoplankton/Periphyton				DTY-QN-C		PKD-QN-C		☐ Ice		
Name: Jeremy Parrish Vincent McClure				Signature: 					Date: 04/04/2022	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN FIELD SHEET

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: LITTLE FISHWEIR AT OAK ST.

Date: 4/4/2022

WIN/Field ID: 20030953

WBID: 2280A

ENR: -

Latitude: 30.29467

County: DUVAL

Org ID: 21FLA

Longitude: -81.70919

Receiving Body of Water: Lower St. Johns

RQ: 2022-04-04-36

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Jeremy Parrish	☒		☒		
☒	Vincent McClure		☒		☒	
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☒ Pole
Depth measured with: Meter	
Secchi Equipment ID:	

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

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# BRUCE	
Photos: NO	Flow: FLOW	Tide: RISING	Tide Times: High: Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes:			

Duplicate Sample	
Time Zone: EST Time: Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:	
Blank	
Time Zone: Time: Field ID:	(Blank Type_DDMMYYYY)
DI Source: Location:	
DI Type: Equipment ID:	
DI Container (Name/ID):	DI Container Type:

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT: KV 5/10/22

Scan/Save Field Sheets Migrate Data to WIN: Verify Data In WIN:



RQ-2022-04-04-36

Customer: NE-DIST

Project ID: BASIN MANAGEMENT ACTION PLAN

Collected By: Jeremy Parrish, Vincent McClure

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

Place Label Here						Comments:					
WIN ID/Field ID:  20030953											
Location: LITTLE FISHWEIR AT OAK ST.											
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE					
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)	
4/4/2022	1105 EST	4.95	54.2	19.6	7.13	0.3	0.7 ☒ VOB (S)	0.7	409	0.2	
	EST						Central Lab please use top row for login purposes				
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice H2SO4*		<2			
		Lot #				Exp:					
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☒ Ice HNO3*		<2			
		Lot #				Exp:					
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice					
		Filter Lot #				Syringe Lot #					
BOD (BP-1L)		☐ OV-BODUNIN				☐ Ice					
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice					
Physical/Aggregate (Fresh) (P-1L)		☒ TDS ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CLIC / W-COLOR / W-SO4-IC / W-				☐ Ice					
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice					
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				Formalin					
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice					
Microbiology (Contract Lab Bottle)		☒ Coli ☐ Coli ☐ Enterococci ☐ Contract Lab				☒ Ice			1	B	
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice					
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice		MCAA Exp.			
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-TR-SQ-R ☐ W-PCB-TQ-R				☐ Ice		MCAA Lot#			
Phytoplankton/Periphyton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice					
Name: Jeremy Parrish Vincent McClure					Signature: 					Date: 04/04/2022	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

SCI BENCHMARK FIELD SHEET

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: BIG FISHWEIR CR SF @ HAMILTON ST

Date: 4/4/2022

WIN/Field ID: 20030801

WBID: 2280A

ENR: -

Latitude: 30.293152

County: DUVAL

Org ID: 21FLA

Longitude: -81.722091

Receiving Body of Water: Lower St. Johns

RQ: 2022-04-04-36

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Jeremy Parrish	☒	☐	☒	☐	☐
☒	Vincent McClure	☐	☒	☐	☒	☐
☐		☐	☐	☐	☐	☐
☐		☐	☐	☐	☐	☐

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☒ Pole
Depth measured with: Meter	
Secchi Equipment ID:	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☒ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# BRUCE	
Photos: NO	Flow: FLOW	Tide:	Tide Times: High: Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes:			

Duplicate Sample	
Time Zone: EST Time: Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:	
Blank	
Time Zone: Time: Field ID:	(Blank Type_DDMMYYYY)
DI Source: Location:	
DI Type: Equipment ID:	
DI Container (Name/ID):	DI Container Type:

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: KV 5/10/22



RQ-2022-04-04-36

Customer: NE-DIST

Project ID: SCI BENCHMARK

Collected By: Jeremy Parrish, Vincent McClure

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

Place Label Here						Comments:					
WIN ID/Field ID:  20030801											
Location: BIG FISHWEIR CR SF @ HAMILTON ST											
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE					
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)	
4/4/2022	1130 EST	5.4	59	20	7.3	0.3	0.8 ☒ VOB (S)	0.8	423	0.2	
	EST						Central Lab please use top row for login purposes				
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice H2SO4*		<2			
		Lot #		Exp:							
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☒ Ice HNO3*		<2			
		Lot #		Exp:							
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice					
		Filter Lot #				Syringe Lot #					
BOD (BP-1L)		☐ OV-BODUNIN				☐ Ice					
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice					
Physical/Aggregate (Fresh) (P-1L)		☒ TDS ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CLIC / W-COLOR / W-SO4-IC / W-				☐ Ice					
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice					
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				Formalin					
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice					
Microbiology (Contract Lab Bottle)		☒ Coli ☐ Coli ☐ Enterococci ☐ Contract Lab				☒ Ice			1	B	
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice					
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice		MCAA Exp.			
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-TR-SQ-R ☐ W-PCB-TQ-R				☐ Ice		MCAA Lot#			
Phytoplankton/Periphyton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice					
Name: Jeremy Parrish Vincent McClure					Signature: 					Date: 04/04/2022	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN FIELD SHEET

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: BUTCHER PEN CR AT WESCONNETT

Date: 4/4/2022

WIN/Field ID: 20030760

WBID: 2322

ENR: -

Latitude: 30.25983

County: DUVAL

Org ID: 21FLA

Longitude: -81.74019

Receiving Body of Water: Lower St. Johns

RQ: 2022-04-04-36

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Jeremy Parrish	☒		☒		
☒	Vincent McClure		☒		☒	
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☒ Pole
Depth measured with: Meter	
Secchi Equipment ID:	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☒ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# BRUCE	
Photos: NO	Flow: FLOW	Tide:	Tide Times: High: Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes:			

Duplicate Sample	
Time Zone: EST Time: Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:	
Blank	
Time Zone: Time: Field ID:	(Blank Type_DDMMYYYY)
DI Source: Location:	
DI Type: Equipment ID:	
DI Container (Name/ID):	DI Container Type:

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: KV 5/10/22



RQ-2022-04-04-36
Customer: NE-DIST
Project ID: BASIN MANAGEMENT ACTION PLAN

Collected By: Jeremy Parrish, Vincent McClure
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here WIN ID/Field ID:  20030760 Location: BUTCHER PEN CR AT WESCONNETT						Comments:				
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
4/4/2022	1150 EST	7.07	75	18	7.212	0.3	0.4 ☒ VOB (S)	0.4	302	0.14
	EST						Central Lab please use top row for login purposes			
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice H2SO4*		<2		
		Lot #		Exp:						
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☒ Ice HNO3*		<2		
		Lot #		Exp:						
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice				
		Filter Lot #				Syringe Lot #				
BOD (BP-1L)		☐ OV-BODUNIN				☐ Ice				
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice				
Physical/Aggregate (Fresh) (P-1L)		☒ TDS Alkalinity / W-F / W-TSS / TURBIDITY / W-CLIC / W-COLOR / W-SO4-IC / W-				☐ Ice				
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☒ Coli ☐ Coli ☐ Enterococci ☐ Contract Lab				☒ Ice			1	B
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice				
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice		MCAA Exp.		
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		WE8321-MS		W-PSNP-TQ		W-CT-CL-R		MCAA Lot#
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-TR-SQ-R				
		W-PCB-TQ-R								
Phytoplankton/Periphyton				DTY-QN-C		PKD-QN-C		☐ Ice		
Name: Jeremy Parrish Vincent McClure				Signature: 					Date: 04/04/2022	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN FIELD SHEET

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: BUTCHER PEN CR @ CONFEDERATE PT ROAD

Date: 4/4/2022

WIN/Field ID: 20030082

WBID: 2322

ENR: -

Latitude: 30.26461

County: DUVAL

Org ID: 21FLA

Longitude: -81.73458

Receiving Body of Water: Lower St. Johns

RQ: 2022-04-04-36

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Jeremy Parrish	☒	☐	☒	☐	☐
☒	Vincent McClure	☐	☒	☐	☒	☐
☐		☐	☐	☐	☐	☐
☐		☐	☐	☐	☐	☐

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☒ Pole
Depth measured with: Meter	
Secchi Equipment ID:	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☒ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# BRUCE	
Photos: NO	Flow: FLOW	Tide: RISING	Tide Times: High: Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes:			

Duplicate Sample	
Time Zone: EST Time: Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:	
Blank	
Time Zone: Time: Field ID:	(Blank Type_DDMMYYYY)
DI Source: Location:	
DI Type: Equipment ID:	
DI Container (Name/ID):	DI Container Type:

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: KV 5/10/22



RQ-2022-04-04-36
Customer: NE-DIST
Project ID: BASIN MANAGEMENT ACTION PLAN

Collected By: Jeremy Parrish, Vincent McClure
Field Report Prepared By: Jeremy Parrish
Sampling Agency: FDEP

Place Label Here WIN ID/Field ID:  20030082 Location: BUTCHER PEN CR @ CONFEDERATE PT ROAD						Comments:					
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE					
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT _H)	
4/4/2022	1200 EST	6.86	78.3	21.6	7.27	0.3	0.4 ☒ VOB (S)	0.4	377	0.18	
	EST						Central Lab please use top row for login purposes				
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot # Exp:				☒ Ice H2SO4* ☐ <2					
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # Exp:				☒ Ice HNO3* ☐ <2					
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter Filter Lot #				☐ Ice Syringe Lot #					
BOD (BP-1L)		☐ OV-BODUNIN				☐ Ice					
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice					
Physical/Aggregate (Fresh) (P-1L)		☒ TDS Alkalinity / W-F / W-TSS / TURBIDITY / W-CLIC / W-COLOR / W-SO4-IC / W-				☐ Ice					
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice					
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				Formalin					
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice					
Microbiology (Contract Lab Bottle)		☒ Coli ☐ Coli ☐ Enterococci Contract Lab				☒ Ice			1	B	
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice					
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice		MCAA Exp.			
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-TR-SQ-R ☐ W-PCB-TQ-R				☐ Ice		MCAA Lot#			
Phytoplankton/Periphyton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice					
Name: Jeremy Parrish Vincent McClure					Signature: 					Date: 04/04/2022	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN FIELD SHEET

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC

Date: 4/4/2022

WIN/Field ID: 20030891

WBID: 2326A

ENR: -

Latitude: 30.22544

County: DUVAL

Org ID: 21FLA

Longitude: -81.60386

Receiving Body of Water: Lower St. Johns

RQ: 2022-04-04-36

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Jeremy Parrish	☒		☒		
☒	Vincent McClure		☒		☒	
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☒ Pole
Depth measured with: Meter	
Secchi Equipment ID:	

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

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# BRUCE	
Photos: NO	Flow: FLOW	Tide:	Tide Times: High: Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes:			

Duplicate Sample	
Time Zone: EST Time: Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:	
Blank	
Time Zone: Time: Field ID:	(Blank Type_DDMMYYYY)
DI Source: Location:	
DI Type: Equipment ID:	
DI Container (Name/ID):	DI Container Type:

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: KV 5/10/22



RQ-2022-04-04-36

Customer: NE-DIST

Project ID: BASIN MANAGEMENT ACTION PLAN

Collected By: Jeremy Parrish, Vincent McClure

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

Place Label Here						Comments:					
WIN ID/Field ID:  20030891											
Location: GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC											
Matrix: Fresh						(Check one) ☒ GRAB ☐ COMPOSITE					
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)	
4/4/2022	1005 EST	6.19	66.5	18.6	7.314144	0.3	0.5 ☒ VOB (S)	0.5	340	0.16	
	EST						Central Lab please use top row for login purposes				
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice H2SO4*		<2			
		Lot #		Exp:							
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☒ Ice HNO3*		<2			
		Lot #		Exp:							
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice					
		Filter Lot #				Syringe Lot #					
BOD (BP-1L)		☐ OV-BODUNIN				☐ Ice					
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice					
Physical/Aggregate (Fresh) (P-1L)		☒ TDS ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CLIC / W-COLOR / W-SO4-IC / W-				☐ Ice					
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice					
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				Formalin					
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice					
Microbiology (Contract Lab Bottle)		☒ Coli ☐ Coli ☐ Enterococci ☐ Contract Lab				☒ Ice			1	B	
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice					
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice		MCAA Exp.			
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-TR-SQ-R ☐ W-PCB-TQ-R				☐ Ice		MCAA Lot#			
Phytoplankton/Periphyton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice					
Name: Jeremy Parrish Vincent McClure					Signature: 					Date: 04/04/2022	

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution