

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 10/2/2023
Customer: NE-DIST
RQ: RQ-2023-10-02-66

Collected By: Jeremy Parrish, Katherine Halbert
Sampling Agency: FDEP
Project ID: BMAP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

Number of Coolers Shipped: 0

Delivery Method: HandDelivered

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

Site Location	Field ID/WIN ID
BUTCHER PEN CR AT WESCONNETT	 20030760
BUTCHER PEN CR AT CONFEDERATE PT ROAD	 20030082
BIG FISHWEIR CR SF AT HAMILTON ST	 20030801
LITTLE FISHWEIR AT OAK ST	 20030953

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 10/2/2023
1630EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

Rec'd/Inspected Date:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV

Yes / No

WIN Station Name:		BUTCHER PEN CR AT WESCONNETT				Sample Date:		10/2/2023	
WIN / Field ID:	20030760	ORG ID:	21FLA	ENR:	-	Latitude:	30.25983		
County:	DUVAL	WBID:	2322	STREAM		Longitude:	-81.74019		
Receiving Body of Water:		Cedar River				RQ-	2023-10-02-66		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jeremy Parrish	x		x		
Katherine Halbert		x		x	x

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe	x	Pole
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:		D#4	
Collection Method			
	Wading		Canoe/Kayak
x	From Shore		Electric Motor
			Gasoline Motor
Depth Measured With		Meter	

Water Level:	Normal
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	
High Tide:	
Low Tide:	
Photos:	No
Meter ID:	Desi
Depth Gauge ID:	depth_gauge

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPT _h)
EST	1320	1.4	0.3	1.92	22.8	24.3	6.8	0.5	1919	0.97

Biological Samples Collected: None

SBIO Visit ID: **HA ID:** **RPS ID:** **Macrophyte ID:** **LIMS Sample ID**
In The Macrophyte Module:

Parameter Suite	Parameter Methods (LIMS Test Codes)	Preservation			
		Type	Lot#	Expiration Date	pH Check
Microbiology	E. coli Contract Lab Diversified	ICE			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients				Syringe Lot#; Filter Lot#:	
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC					
Other(s)					
Field Comments:					
Comments on COC: Microbiology sample(s) submitted to contract laboratory.					
Relinquish Date:	10/02/2023	Signature:			

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: KH 01/08/2024

Save Field Sheets on Network: KH 10/02/2023 (Initials/Date) Migrate Data to WIN: _____ (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV
Yes / No

WIN Station Name:		BUTCHER PEN CR AT CONFEDERATE PT ROAD				Sample Date:		10/2/2023	
WIN / Field ID:	20030082	ORG ID:	21FLA	ENR:	-	Latitude:	30.26461		
County:	DUVAL	WBID:	2322	STREAM		Longitude:	-81.73458		
Receiving Body of Water:		Cedar River				RQ-	2023-10-02-66		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jeremy Parrish					
Katherine Halbert					

Sampling Equipment			
Sample Container		Carboy	
x	Dipper	x	Van Dorn Tommy pickles
	Syringe		Pole
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:		D#4	
Collection Method			
Wading		Canoe/Kayak	
x	From Shore	Electric Motor	
		Gasoline Motor	
Depth Measured With Meter			

Water Level:	Normal
Flow:	Flowing
Matrix:	Marine
Tide Stage:	N/A
High Tide:	
Low Tide:	
Photos:	NA
Meter ID:	Desi
Depth Gauge ID:	depth_gauge

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPTth)
EST	1330	1.2	0.3	6.43	80	25.6	7.19	0.5	7856	4.33

Biological Samples Collected: None

SBIO Visit ID: **HA ID:** **RPS ID:** **Macrophyte ID:** **LIMS Sample ID In The Macrophyte Module:**

Parameter Suite	Parameter Methods (LIMS Test Codes)			Preservation			
				Type	Lot#	Expiration Date	pH Check
Microbiology	E. coli	Contract Lab	Diversified	ICE			
Chlorophyll							
Physical/Aggregate Nutrients							
Filtered Nutrients						Syringe Lot#; Filter Lot#:	
Acid Preserved Nutrients							
Metals							
Organics (LC)							
Macroinvertebrates							
Organics (GC)							
Molecular							
Periphyton							
Phytoplankton							
BOD							
DOC							
Other(s)							
Field Comments:							
Comments on COC: Microbiology sample(s) submitted to contract laboratory.							
Relinquish Date:	10/02/2023	Signature:					

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: _____ KH 01/08/2024 (Initials/Date)

Save Field Sheets on Network: _____ KH 10/02/2023 (Initials/Date) Migrate Data to WIN: _____ (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV

Yes / No

WIN Station Name:	BIG FISHWEIR CR SF AT HAMILTON ST				Sample Date:	10/2/2023	
WIN / Field ID:	20030801	ORG ID:	21FLA	ENR:	-		
County:	DUVAL	WBID:	2280A	STREAM			
Receiving Body of Water:	St Johns River Above Warren Bridge				RQ-	2023-10-02-66	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katherine Halbert		x			
Jeremy Parrish	x		x		

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe	x	Pole
	Syringe Lot#		Filter Lot#
	Secchi Equipment ID:	Vader	
Collection Method			
	Wading		Canoe/Kayak
x	From Shore		Electric Motor
			Gasoline Motor
Depth Measured With		Meter	

Water Level:	Normal
Flow:	Flowing
Matrix:	Marine
Tide Stage:	
High Tide:	
Low Tide:	
Photos:	No
Meter ID:	Desi
Depth Gauge ID:	depth_gauge

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPTth)
EST	1350	0.9	0.3	3.11	41.3	26.1	6.99	0.8	19058	11.31

Biological Samples Collected: None

SBIO Visit ID: **HA ID:** **RPS ID:** **Macrophyte ID:** **LIMS Sample ID**
In The Macrophyte Module:

Parameter Suite	Parameter Methods (LIMS Test Codes)	Type	Lot#	Expiration Date	pH Check
Microbiology	E. coli Contract Lab Diversified	ICE			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients			Syringe Lot#; Filter Lot#:		
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC			SyringeLot#	FilterLot#	
Other(s)					
Field Comments:					
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	10/02/2023	Signature:			

LIMS EVENT ID: WIN Import ID: KH 01/08/2024

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

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

Save Field Sheets on Network: KH 10/02/2023 Migrate Data to WIN: (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV

Yes / No

WIN Station Name:		LITTLE FISHWEIR AT OAK ST				Sample Date:		10/2/2023	
WIN / Field ID:	20030953	ORG ID:	21FLA	ENR:	-	Latitude:	30.29467		
County:	DUVAL	WBID:	2280A	STREAM		Longitude:	-81.70919		
Receiving Body of Water:		St Johns River Above Warren Bridge				RQ-	2023-10-02-66		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jeremy Parrish	x		x		
Katherine Halbert				x	

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe	x	Pole
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:		D#3	
Collection Method			
	Wading		Canoe/Kayak
x	From Shore		Electric Motor
			Gasoline Motor
Depth Measured With		Meter	

Water Level:	High
Flow:	Flowing
Matrix:	Marine
Tide Stage:	N/A
High Tide:	
Low Tide:	
Photos:	NA
Meter ID:	Desi
Depth Gauge ID:	depth_gauge

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPT _h)
EST	1405	0.9	0.3	1.65	22.1	26.3	6.83	0.5	20930	12.51

Biological Samples Collected: None

SBIO Visit ID: **HA ID:** **RPS ID:** **Macrophyte ID:** **LIMS Sample ID**
In The Macrophyte Module:

Parameter Suite	Parameter Methods (LIMS Test Codes)	Preservation			
		Type	Lot#	Expiration Date	pH Check
Microbiology	E. coli Contract Lab Diversified	ICE			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients				Syringe Lot#; Filter Lot#:	
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC					
Other(s)					
Field Comments:					
Comments on COC: Microbiology sample(s) submitted to contract laboratory.					
Relinquish Date:	10/02/2023	Signature:			

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: KH 01/08/2024

Save Field Sheets on Network: KH 10/02/2023 (Initials/Date) Migrate Data to WIN: _____ (Initials/Date)

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- 2023-10-09-42

Project: LSJR Southwest

2023-10-02-66

BMAP

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 09/08/2023

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. Halbert	10/2/23	801	21.9	761.8	8.8	—	100.2	—	1.023	(P) F	(L) F
ICV	K. Halbert	10/2/23	806	21.9	761.9	8.8	8.78	100.2	—	1.023	(P) F	(L) F
CCV	J. Parnish	10/2/23	1521	21.9	761.7	8.8	8.80	100.2	—	—	(P) F	(L) 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.	K. Halbert	10/2/23	808	230612B	06/2024	1000	1000	(P) F	(L) F
ICV	K. Halbert	10/2/23	810	230611A	02/2024	1000 ^{KM}	100.1	(P) F	(L) F
CCV	J. Parnish	10/2/23	1523	230131C	2/2024	50000	50390	(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. Halbert	10/2/23	814	M241-15	9/1/24	7.01	23.1	7.01	22.6	(P) F	(L) F
Calibr.	K. Halbert	10/2/23	816	43041354	4/13/25	4.00	23.0	4.00	155.7	(P) F	(L) F
Calibr.	K. Halbert	10/2/23	818	M334-14	11/29/24	10.00	23.1	10.00	-191.8	(P) F	(L) F
ICV	K. Halbert	10/2/23	820	43041354	4/13/25	4.00	23.1	4.00	155.3	(P) F	(L) F
CCV	J. Parnish	10/2/23	1525	M334-14	11/29/24	10.00	22.6	9.99	-191.3	(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 10 169.2, slope from 4 to 7 178.3 (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: 09/08/2023

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. Halbert	10/2/23	822	0.000	0.000	(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:



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 ____ of ____

Company Name Florida Department of Environmental Protection										Container Information (Qty, Size, & Type)								Sample Matrix Codes:							
Address 8800 Baymeadows Way West										250 mL P	250 mL P	250 mL P								A. Air P. Petroleum					
City Jacksonville State FL Zip 32256																			B. Bulk S. Soil/Sludge						
Attn. Dep-overflowmicro@dep.state.fl.us										Container Preservation Codes								Sample Kit or Container Lot #							
Tel. E-mail or Fax										6	6	6													
Project Name BMAP										Parameters								Preservation Codes:							
Project Number 2023-10-02-66										E. Coli - Quantitray	Enterococci - Quantitray	Coliform, Fecal - MF 3 Dilutions								0. None 5. Na2S2O3					
Project Location																				1. H2SO4 6. Crushed Ice (4C)					
Sampler Name/Signature Katherine Halbert																				2. HNO3 7. C6H8O6					
Transfer #	Sample # (Lab Use Only)	Sample Identification	Date Sampled	Time Sampled	Sample Matrix Code	Specific Cond. (Field)	Comp	Grab										3. HCl 8. NH4Cl							
1	*	20030760	10/2/23	1320	NPW	1919		✓	1									4. NaOH 9. Other: (List)							
2	*	20030082	10/2/23	1330	NPW	17856		✓	1									Thermal Preservation:							
3		20030801	10/2/23	1350	NPW	5077		✓	1									In Crushed Ice? ☒ Yes / No							
4	*	20030953	10/2/23	1405	NPW	20930		✓	1									Cooler Temp: 0.0 °C							
5																		Sample Cont. Temp: 3.0 °C							
6																		Turnaround Requested:							
7																		☒ Standard (10 Business Days)							
8																		☐ Semi-Rush (3-5 Business Days)							
9																		☐ Rush (1-2 Business Days)							
0																		Turnaround times are estimated & subject to change. Surcharges apply for all Rush samples.							
Special Instructions: * dilute 10x										Billing Information:															
										☐ Invoice with Report															
										☐ Invoice to Accounting															
										Req. #:															
										P.O. #:															
Transfer Numbers										Relinquished By				Date / Time				Received By				Date / Time			
1-4										Katherine Halbert				10/2/23/1431				MORRIS				10/02/23 14:31			



Certification #E821059