

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: Stitch RQ: 2023-01-30-75 Project: BMAP1

- 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 11/14/22

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.	K. Halbert	02/02/23	829	21.5	765.6	8.9	—	100.7	—	1.0716	P/F	L/F
ICV	K. Halbert	02/02/23	834	21.5	765.6	8.9	8.91	100.8	—	1.0716	P/F	L/F
CCV	K. Halbert	02/02/23	1518	21.7	762.2	8.8	8.85	100.8	—	1.0716	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 mos/cm	Meter Reading μ mos/cm	Pass / Fail	Lab / Field
Calibr.	K. Halbert	02/02/23	835	221028A	11/2023	1000	1000	P/F	L/F
ICV	K. Halbert	02/02/23	837	220719B	07/2023	100	99.8	P/F	L/F
CCV	K. Halbert	02/02/23	1521	220719C	07/2023	50000	49987	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	02/02/23	840	M118-15	5/2/24	7.02	21.8	7.02	-38.2	P/F	L/F
Calibr.	K. Halbert	02/02/23	843	M188-01	7/11/24	4.00	21.8	4.00	137.1	P/F	L/F
Calibr.	K. Halbert	02/02/23	847	210817E	02/2023	10.04	21.5	10.04	-205.8	P/F	L/F
ICV	K. Halbert	02/02/23	852	M188-01	7/11/24	4.00	21.8	4.02	136.1	P/F	L/F
CCV	K. Halbert	02/02/23	1521	220719C	07/2023	KH 22/02/23				P/F	L/F
CCV	K. Halbert	02/02/23	15	210817E	02/2023	10.04	21.8	10.00	-204.9	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 10 167.6, slope from 4 to 7 175.3 (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: 11/14/22

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	K. Halbert	02/02/23	855	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

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Company Name Florida Department of Environmental Protection								Container Information (Qty, Size, & Type)								Sample Matrix Codes:			
Address 8800 Baymeadows Way West								250 mL	250 mL	250 mL								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							NA		
Project Name 2023-01-30-755								Parameters								Preservation Codes:			
Project Number BMAP 2								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 Katrin Villinger																	2. HNO3 7. C6H8O6		
																	3. HCl 8. NH4Cl		
Transfer #	Sample # (Lab Use Only)	Sample Identification	Date Sampled	Time Sampled	Sample Matrix Code	Specific Cond. (Field)	Comp	Grab								4. NaOH 9. Other: (List)			
1		20030891	2/2/23	1010	NA	470.3		/	1							Thermal Preservation:			
2		20030793 *		1040		570		/		1						In Crushed Ice? Yes No			
3		20030958 *		1050		2160		/		1						Cooler Temp: 0.2 °C			
4		20030953 *		1120		453		/	1							Sample Cont. Temp: 7.6 °C			
5		20030801		1150		486.1		/	1							Turnaround Requested:			
6		20030082 *		1210		1491		/	1							☒ Standard (10 Business Days)			
7		20030760 *		1225		369		/	1							☐ Semi-Rush (3-5 Business Days)			
8																☐ Rush (1-2 Business Days)			
9																Turnaround times are estimated & subject to change. Surcharges apply for all Rush samples.			
0																Billing Information:			
																☐ Invoice with Report			
																☐ Invoice to Accounting			
																Req. #:			
																P.O. #:			
Special Instructions: * Please dilute 10x due to high concentrations								Transfer Numbers	Relinquished By				Date / Time		Received By		Date / Time		
								1-7					2/2/23 1305				02/02/23 1305		



Certification #E821059

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: <u>2/2/2023</u> Customer: <u>NE-DIST</u> RQ: <u>RQ-2023-01-30-75</u>	Collected By: <u>Katrin Villinger, Katherine Halbert</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: 0

Delivery Method: HandDelivered

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

Site Location	Field ID/WIN ID
GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC	 20030891
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 @ CONFEDERATE PT ROAD	 20030082
BUTCHER PEN CR AT WESCONNETT	 20030760

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 2/2/2023

1630EST

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

July 2022

Meter
Passed End
of Day CCV

Yes / No

WIN Station Name:	GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC				Sample Date:	2/2/2023	
WIN / Field ID:	20030891	ORG ID:	21FLA	ENR:	-		
County:	Duval	WBID:	2326A	STREAM	3F		
Receiving Body of Water:	St Johns River Above Piney Point				RQ-	2023-01-30-75	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Katherine Halbert	x		x		

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe	x	Pole
			NA
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:	Normal
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	Falling
High Tide:	0917
Low Tide:	1554
Photos:	No
Meter ID:	Stitch
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	1010	0.68	0.3	3.94	41.7	18.4	7.22	0.68	470.3	0.23

Biological Samples Collected: None**SBIO Visit ID:** **HA ID:** **RPS ID:** **Macrophyte ID:** **LIMS Sample ID Entered Into 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					
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC					
Other(s)					

Field Comments: Water is opaque, pollen layer on surface.**Comments on COC:** Microbiology sample(s) submitted to contract laboratory.

Relinquish Date:	02/02/2023	Signature:	
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LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: KH 03/13/2023

Save Field Sheets on Network: KH 02/02/2023 (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:	CRAIG CR @ HENDRICKS AVE				Sample Date:	2/2/2023	
WIN / Field ID:	20030793	ORG ID:	21FLA	ENR:	-	Latitude:	30.29631
County:	Duval	WBID:	2297B	ESTUARY	3M	Longitude:	-81.64803
Receiving Body of Water:	St Johns River Above Warren Bridge				RQ-	2023-01-30-75	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Katherine Halbert	x		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:	Normal
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	Falling
High Tide:	0806
Low Tide:	1431
Photos:	No
Meter ID:	Stitch
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	1040	1.01	0.3	2.79	30	18.9	7.15	1.01	587	0.29
								VOB (s)		

Biological Samples Collected: None

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

Parameter Suite	Parameter Methods (LIMS Test Codes)	Preservation			
		Type	Lot#	Expiration Date	pH Check
Microbiology	Contract Lab Enterococci 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: Water is opaque, pollen layer on surface.

Comments on COC: Microbiology sample(s) submitted to contract laboratory.

Relinquish Date:	02/02/2023	Signature:	
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LIMS EVENT ID: WIN Import ID: KH 03/13/2023

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

Save Field Sheets on Network: KH 02/02/2023 (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:	CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK				Sample Date:	2/2/2023	
WIN / Field ID:	20030958	ORG ID:	21FLA	ENR:	-		
County:	Duval	WBID:	2297B	ESTUARY	3M		
Receiving Body of Water:	St Johns River Above Warren Bridge				RQ-	2023-01-30-75	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Katherine Halbert	x		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:	Normal
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	Falling
High Tide:	0806
Low Tide:	1431
Photos:	No
Meter ID:	Stitch
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	1050	0.7	0.3	4.93	54.6	19.8	7.14	0.5	2160	1.13

Biological Samples Collected: None**SBIO Visit ID:** **HA ID:** **RPS ID:** **Macrophyte ID:** **LIMS Sample ID Entered Into The Macrophyte Module:**

Parameter Suite	Parameter Methods (LIMS Test Codes)	Type	Lot#	Expiration Date	pH Check
Microbiology	Contract Lab Enterococci 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:	Bacteria scum on water surface.				
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	02/02/2023	Signature:	22		

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: KH 03/13/2023

Save Field Sheets on Network: KH 02/02/2023 (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:		LITTLE FISHWEIR AT OAK ST.				Sample Date:		2/2/2023	
WIN / Field ID:	20030953	ORG ID:	21FLA	ENR:	-	Latitude:	30.29467		
County:	Duval	WBID:	2280A	STREAM		3F	Longitude:	-81.70919	
Receiving Body of Water:		St Johns River Above Warren Bridge				RQ-	2023-01-30-75		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Katherine Halbert	x		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:	Normal
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	Falling
High Tide:	0917
Low Tide:	1554
Photos:	No
Meter ID:	Stitch
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	1120	0.81	0.3	2.77	29.6	18.4	7.13	0.81	452.6	0.22
								VOB (s)		

Biological Samples Collected:		None								
SBIO Visit ID:	HA ID:	RPS ID:	Macrophyte ID:	LIMS Sample ID Entered Into The Macrophyte Module:						

Parameter Suite	Parameter Methods (LIMS Test Codes)	Preservation			
		Type	Lot#	Expiration Date	pH Check
Microbiology	E. coli Contract Lab	Diversified			
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:	Water is opaque, pollen layer on surface.				
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	02/02/2023	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 03/13/2023
Save Field Sheets on Network: KH 02/02/2023	Migrate Data to WIN:
(Initials/Date)	(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 @ HAMILTON ST				Sample Date:	2/2/2023	
WIN / Field ID:	20030801	ORG ID:	21FLA	ENR:	-		
County:	Duval	WBID:	2280A	STREAM	3F		
Receiving Body of Water:	St Johns River Above Warren Bridge				RQ-	2023-01-30-75	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Katherine Halbert	x		x		

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe	x	Pole
			NA
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:	Low
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	Falling
High Tide:	0917
Low Tide:	1554
Photos:	No
Meter ID:	Stitch
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	1150	0.25	0.13	4.55	49.1	19.1	7.49	0.25	486.1	0.23
								VOB (s)		

Biological Samples Collected: None

SBIO Visit ID: **HA ID:** **RPS ID:** **Macrophyte ID:** **LIMS Sample ID Entered Into 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					
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC					
Other(s)		SyringeLot#		FilterLot#	
Field Comments:	Water is VOB, but has opaque color.				
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	02/02/2023	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 03/13/2023

Save Field Sheets on Network: KH 02/02/2023 (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 @ CONFEDERATE PT ROAD				Sample Date:		2/2/2023	
WIN / Field ID:	20030082	ORG ID:	21FLA	ENR:	-	Latitude:	30.26461		
County:	Duval	WBID:	2322	STREAM	3F	Longitude:	-81.73458		
Receiving Body of Water:		Cedar River				RQ-	2023-01-30-75		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger					
Katherine Halbert					

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

Water Level:	Normal
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	Falling
High Tide:	0917
Low Tide:	1554
Photos:	No
Meter ID:	Stitch
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	1210	0.66	0.3	4.87	54.2	20.4	7.18	0.3	1491	0.75

Biological Samples Collected: None

SBIO Visit ID: **HA ID:** **RPS ID:** **Macrophyte ID:** **LIMS Sample ID Entered Into 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			SyringeLot#	FilterLot#	
Other(s)					
Field Comments:					
Comments on COC: Microbiology sample(s) submitted to contract laboratory.					
Relinquish Date:	02/02/2023	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 03/13/2023

Save Field Sheets on Network: KH 02/02/2023 (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 WESCONNETT				Sample Date:	2/2/2023	
WIN / Field ID:	20030760	ORG ID:	21FLA	ENR:	-		
County:	Duval	WBID:	2322	STREAM	3F		
Receiving Body of Water:	Cedar River				RQ-	2023-01-30-75	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Katherine Halbert	x		x		

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

Water Level:	Low
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	Falling
High Tide:	0917
Low Tide:	1554
Photos:	No
Meter ID:	Stitch
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	1225	1.1	0.3	4.26	45.7	18.7	7.11	1.1	369.1	0.18
								VOB (s)		

Biological Samples Collected: None

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

Parameter Suite	Parameter Methods (LIMS Test Codes)			Preservation				
				Type		Lot#	Expiration Date	pH Check
Microbiology	E. coli			ICE				
	Contract Lab	Diversified						
Chlorophyll								
Physical/Aggregate Nutrients								
Filtered Nutrients						Syring Lot#.; Filter Lot#:		
Acid Preserved Nutrients								
Metals								
Organics (LC)								
Macroinvertebrates								
Organics (GC)								
Molecular								
Periphyton								
Phytoplankton								
BOD								
DOC								
Other(s)								
				SyringLot#		FilterLot#		

Field Comments: Water has opaque color, but VOB measurement.

Comments on COC: Microbiology sample(s) submitted to contract laboratory.

Relinquish Date:	02/02/2023	Signature:	
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LIMS EVENT ID: WIN Import ID: KH 03/13/2023

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

Save Field Sheets on Network: KH 02/02/2023 (Initials/Date)

Migrate Data to WIN: (Initials/Date)