

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 1/8/2024 **Collected By:** Katherine Halbert, Haylee Brown
Customer: NE-DIST **Sampling Agency:** FDEP
RQ: RQ-2024-01-01-35 **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
MONCRIEF CR AT MONCRIEF ROAD	 20030726
MONCRIEF CR AT 21ST ST	 20030897
TROUT RIVER AT OLD KINGS RD	 20030753
TROUT R AT DINSMORE BOAT RAMP DOCK NR US 1	 20030123
TERRAPIN CREEK AT FAYE ROAD	 20030653
NW TRIBUTARY TO OPEN CR AT HODGES	 20030848

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 1/8/2024

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:		MONCRIEF CR AT MONCRIEF ROAD				Sample Date:		1/8/2024	
WIN / Field ID:	20030726	ORG ID:	21FLA	ENR:	-	Latitude:	30.37028		
County:	DUVAL	WBID:	2228B	STREAM		Longitude:	-81.68383		
Receiving Body of Water:		Trout River				RQ-	2024-01-01-35		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katherine Halbert	x		x		
Haylee Brown		x		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:	NA
High Tide:	NA
Low Tide:	NA
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	920	0.6	0.3	6.82	66.4	14.1	7.27	0.6	406.7	0.2
								VOB (s)		

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			
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:	01/08/2024	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 03/12/2024
Save Field Sheets on Network: KH 01/08/2024	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:	TROUT RIVER AT OLD KINGS RD				Sample Date:	1/8/2024	
WIN / Field ID:	20030753	ORG ID:	21FLA	ENR:	-	Latitude:	30.43128
County:	DUVAL	WBID:	2203	STREAM		Longitude:	-81.76858
Receiving Body of Water:	St Johns River Above Dames Point				RQ-	2024-01-01-35	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katherine Halbert	x				
Haylee Brown		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:	0638
Low Tide:	1240
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	0.58	0.3	9.12	82.5	10.9	6.63	0.4	102.6	0.05

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			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients					
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:	01/08/2024	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 03/12/2024

Save Field Sheets on Network: KH 01/08/2024 (Initials/Date) Migrate Data to WIN: (Initials/Date)

(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:	TROUT R AT DINSMORE BOAT RAMP DOCK NR US 1				Sample Date:	1/8/2024	
WIN / Field ID:	20030123	ORG ID:	21FLA	ENR:	-	Latitude:	30.43662
County:	DUVAL	WBID:	2203B	ESTUARY		Longitude:	-81.76118
Receiving Body of Water:	St Johns River Above Dames Point				RQ-	2024-01-01-35	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katherine Halbert	x		x		
Haylee Brown		x		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
	From Shore		Electric Motor
x	Dock		Gasoline Motor
Depth Measured With	Meter		

Water Level:	Normal
Flow:	NA
Matrix:	Fresh
Tide Stage:	Falling
High Tide:	0638
Low Tide:	1240
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	1015	1.31	0.3	7.47	71.3	13.2	6.46	0.5	160.1	0.08

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	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:					
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	01/08/2024	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 03/12/2024

(Initials/Date) (Initials/Date)

Save Field Sheets on Network: KH 01/08/2024 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:	TERRAPIN CREEK AT FAYE ROAD				Sample Date:	1/8/2024	
WIN / Field ID:	20030653	ORG ID:	21FLA	ENR:	-	Latitude:	30.43436
County:	DUVAL	WBID:	2204	STREAM		Longitude:	-81.56556
Receiving Body of Water:	Dunn Creek				RQ-	2024-01-01-35	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katherine Halbert	x		x		
Haylee Brown		x		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:	0648
Low Tide:	1325
Photos:	NA
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	1045	0.22	0.11	9.05	84.9	12.5	6.61	0.22	171.5	0.08
								VOB (s)		

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			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients					
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:	01/08/2024	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 03/12/2024

Save Field Sheets on Network: KH 01/08/2024 Migrate Data to WIN:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

SCI BENCHMARK Field Sheet

July 2022

Meter
Passed End
of Day CCV

Yes / No

WIN Station Name:	NW TRIBUTARY TO OPEN CR AT HODGES				Sample Date:	1/8/2024	
WIN / Field ID:	20030848	ORG ID:	21FLA	ENR:	-	Latitude:	30.27738
County:	DUVAL	WBID:	2299B	STREAM		Longitude:	-81.46117
Receiving Body of Water:	ICWW Duval. St Johns County				RQ-	2024-01-01-35	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katherine Halbert			x		x
Haylee Brown		x		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:	0706
Low Tide:	1318
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	1125	0.23	0.12	8.42	84.4	15.4	7.01		421.2	0.2

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			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients					
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:	01/08/2024	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 03/12/2024

Save Field Sheets on Network: KH 01/08/2024 Migrate Data to WIN:

(Initials/Date)

(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: Stitch

RQ: 2024-01-01-35

Project: BMAP2

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 12/18/2023

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Barometer mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	K. Halbert	01/08/24	810	21.7	768.0	8.8	8.8	101.0	—	1.068	(P) F	(L) F
ICV	K. Halbert	01/08/24	813	21.5	767.8	8.9	8.96	101.2	—	1.068	(P) F	(L) F
CCV	K. Halbert	01/08/24	1318	21.8	766.5	8.8	8.85	100.7	—	1.068	(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	01/08/24	816	23103B	11/2024	1000	1000	(P) F	(L) F
ICV	K. Halbert	01/08/24	821	23103A	11/2024	100	99.1	(P) F	(L) F
CCV	K. Halbert	01/08/24	1425	23103B	11/2024	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. Halbert	01/08/24	823	4304017	4/24/25	7.01	22.4	7.01	18.6	(P) F	(L) F
Calibr.	K. Halbert	01/08/24	826	43080576	8/31/25	4.00	22.5	4.00	154.7	(P) F	(L) F
Calibr.	K. Halbert	01/08/24	829	43070485	8/1/25	10.03	22.4	10.03	-193.5	(P) F	(L) F
ICV	K. Halbert	01/08/24	831	43080576	8/31/25	4.00	22.5	4.04	152.9	(P) F	(L) F
CCV	K. Halbert	01/08/24	1431	43070485	8/1/25	10.03	22.4	10.09	-196.4	(P) F	(L) F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range $\pm 180 \pm 50$; mV pH 10 Range $\pm 180 \pm 50$;

If mV are recorded: slope from 7 to 10 174.9, slope from 4 to 7 173.3 (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: 12/18/2023

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	01/08/24	833	0.000	0.002	(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 1 of 1

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																			W. Wipe O. Other						
Tel. E-mail or Fax										Container Preservation Codes								Sample Kit or Container Lot #							
Project Name BMAP 2										6	6	6							NA						
Project Number 2023-01-01-35 BMAP (H3)										Parameters								Preservation Codes:							
Project Location										E. Coli - Quantitray	Enterococci - Quantitray	Coliform, Fecal - MF 3 Dilutions							0. None 5. Na2S2O3						
Sampler Name/Signature Haylee Brown																				1. H2SO4 6. Crushed Ice (4C)					
Transfer #	Sample # (Lab Use Only)	Sample Identification	Date Sampled	Time Sampled	Sample Matrix Code	Specific Cond. (Field)	Comp	Grab										2. HNO3 7. C6H8O6							
1		200307216	1/8/24	920	NPW	406.7	X	X										3. HCl 8. NH4Cl							
2		20030897*	1/8/24	935	NPW	159.1	X	X										4. NaOH 9. Other: (List)							
3		20030753	1/8/24	1010	NPW	102.6	X	X										Thermal Preservation:							
4		20030123	1/8/24	1015	NPW	160.1	X	X										In Crushed Ice? ☒ Yes / No							
5		20030153*	1/8/24	1045	NPW	171.5	X	X										Cooler Temp: <u>NA</u> °C							
6		20030848	1/8/24	1125	NPW	421.2	X	X										Sample Cont. Temp: <u>0.6</u> °C							
7																		Turnaround Requested:							
8																		☒ Standard (10 Business Days)							
9																		☐ Semi-Rush (3-5 Business Days)							
0																		☐ Rush (1-2 Business Days)							
Special Instructions: * = 10x Dilution										Billing Information:								Turnaround times are estimated & subject to change. Surcharges apply for all Rush samples.							
										Invoice with Report															
										Invoice to Accounting															
										Req. #:															
										P.O. #:															
Transfer Numbers										Relinquished By				Date / Time				Received By				Date / Time			
1-6										Haylee Brown				1/8/24 1140				Danielle Taggart				01/08/24 1140			



Certification #E821059