

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date:	4/4/2024	Collected By:	Katrin Villinger, Kyle Coker
Customer:	NE-DIST	Sampling Agency:	FDEP
RQ:	RQ-2024-04-01-25	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 21ST ST	 20030897
MONCRIEF CR AT MONCRIEF ROAD	 20030726
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: 4/4/2024
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:	NW TRIBUTARY TO OPEN CR AT HODGES				Sample Date:	4/4/2024	
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-	2024-04-01-25	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Kyle Coker	x		x		

Sampling Equipment			
Sample Container		Carboy	
Dipper		Van Dorn	
Syringe	x	Pole	NA
Syringe Lot#	Filter Lot#		
Secchi Equipment ID:			
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 (PPTth)
EST	1240	0.2	0.1	7.6	85.2	19.9	6.95	0.2	415	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)	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:	04/04/2024	Signature:			

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT: 06/26/24 KH

Save Field Sheets on Network: 4/4/24 KV (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:	TERRAPIN CREEK AT FAYE ROAD				Sample Date:	4/4/2024	
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-	2024-04-01-25	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Kyle Coker	x		x		

Sampling Equipment			
Sample Container		Carboy	
Dipper		Van Dorn	
Syringe	x	Pole	NA
Syringe Lot#	Filter Lot#		
Secchi Equipment ID:			
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 (PPTth)
EST	1205	0.2	0.1	8.15	86.2	17.9	6.64	0.2	117	0.05
								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:	04/04/2024	Signature:			

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT: 06/26/24 KH

Save Field Sheets on Network: 4/4/24 KV (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:	TROUT R AT DINSMORE BOAT RAMP DOCK NR US 1				Sample Date:	4/4/2024	
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-	2024-04-01-25	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Kyle Coker	x		x		

Sampling Equipment			
Sample Container		Carboy	
Dipper		Van Dorn	
Syringe	x	Pole	NA
Syringe Lot#	Filter Lot#		
Secchi Equipment ID:			
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:	Falling
High Tide:	0705
Low Tide:	1335
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	1120	0.611	0.3	6.71	72.8	19	6.73	0.4	133.6	0.06

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)		MCAA***			
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:	04/04/2024	Signature:			

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: 4/4/24 KV (Initials/Date)
Save Field Sheets on Network: QC Station ID, Field Parameters In LIMS DMT: 06/26/24 KH (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:	TROUT RIVER AT OLD KINGS RD				Sample Date:	4/4/2024	
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-	2024-04-01-25	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Kyle Coker	x		x		

Sampling Equipment			
Sample Container		Carboy	
Dipper		Van Dorn	
Syringe	x	Pole	NA
Syringe Lot#	Filter Lot#		
Secchi Equipment ID:			
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	1110	0.91	0.3	7.18	75.6	17.4	6.89	0.5	105.8	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			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:	04/04/2024	Signature:			

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT: 06/26/24 KH

Save Field Sheets on Network: 4/4/24 KV (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:	MONCRIEF CR AT MONCRIEF ROAD				Sample Date:	4/4/2024	
WIN / Field ID:	20030726	ORG ID:	21FLA	ENR:	-		
County:	DUVAL	WBID:	2228B	STREAM	Latitude:	30.37028	
Receiving Body of Water:	Trout River				Longitude:	-81.68383	
					RQ-	2024-04-01-25	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger		x		x	x
Kyle Coker	x		x		

Sampling Equipment			
Sample Container		Carboy	
Dipper		Van Dorn	
Syringe	x	Pole	NA
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:			
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 (PPTth)
EST	1040	0.634	0.3	4.5	49.3	19.4	7.11	0.634	338.1	0.16
								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	Enterococci 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:						
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.					
Relinquish Date:	04/04/2024	Signature:				

LIMS EVENT ID:	WIN Import ID:
Enter Field Parameters, Verify Station ID In LIMS DMT:	QC Station ID, Field Parameters In LIMS DMT:
Save Field Sheets on Network: 4/4/24 KV	Migrate Data to WIN:



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 21ST ST				Sample Date:		4/4/2024	
WIN / Field ID:	20030897	ORG ID:	21FLA	ENR:	-	Latitude:	30.35667		
County:	DUVAL	WBID:	2228B	STREAM		Longitude:	-81.69108		
Receiving Body of Water:		Trout River				RQ-	2024-04-01-25		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger					
Kyle Coker					

Sampling Equipment			
Sample Container		Carboy	
Dipper		Van Dorn	
Syringe	x	Pole	NA
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:			
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 (PPTth)
EST	1020	0.829	0.3	4.64	50.8	19	7.02	0.829	369.8	0.18
								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	ICE			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients				Syringe Lot#; Filter Lot#:	
Acid Preserved Nutrients					
Metals					
Organics (LC)		MCAA***			
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC					
Other(s)					

Field Comments:

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

Relinquish Date:	04/04/2024	Signature:	
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LIMS EVENT ID: WIN Import ID: 06/26/24 KH

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

Save Field Sheets on Network: 4/4/24 KV (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:

DES1

RQ:

2024-04-02-25

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 4/1/2024

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. Coker	4/4/24	740	21.8	755.5	8.7	—	99.4	—	1.012	⓪/F	⓪/F
ICV	K. Coker	4/4/24	743	21.7	755.6	8.8	8.75	99.4	—	1.012	⓪/F	⓪/F
CCV	K. Coker	4/4/24	1444	21.2	755.4	8.8	8.81	99.1	—	1.012	⓪/F	⓪/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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	K. Coker	4/4/24	746	240208B	02/2025	1000	1000	⓪/F	⓪/F
ICV	K. Coker	4/4/24	748	231103A	11/2024	100	101.3	⓪/F	⓪/F
CCV	K. Coker	4/4/24	1447	240208B	02/2025	1000	1014	⓪/F	⓪/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. Coker	4/4/24	752	43080549	9/7/25	7.01	22.2	7.00	-27.1	⓪/F	⓪/F
Calibr.	K. Coker	4/4/24	755	43100538	10/31/25	4.00	22.3	3.95	144.5	⓪/F	⓪/F
Calibr.	K. Coker	4/4/24	758	43080574	9/9/25	10.03	22.2	10.06	-203.0	⓪/F	⓪/F
ICV	K. Coker	4/4/24	801	43100538	10/31/25	4.00	22.3	4.03	144.7	⓪/F	⓪/F
CCV	K. Coker	4/4/24	1452	43080574	9/9/25	10.03	21.8	10.08	-204.6	⓪/F	⓪/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 10 173.9, slope from 4 to 7 173.6 (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)

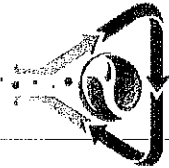
If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 4/1/2024

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. Coker	4/4/24	802	0.00	0.000	⓪/F	⓪/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@delllab.com
F. (904) 807-9627

Page 1 of 1

Company Name		Florida Department of Environmental Protection											
Address		8800 Baymeadows Way West											
City	Jacksonville	State	FL										
Zip	32256												
Attn.		Dep-overflowmicro@dep.state.fl.us											
Tel.		E-mail or Fax											
Project Name		BMAP 2											
Project Number		2024-04-01-25											
Project Location													
Sampler Name/Signature		Kyrin Cohen											
Transfer #	Sample # (Lab Use Only)	Sample Identification	Date Sampled	Time Sampled	Sample Matrix Code	Specific Cond. (Field)	Comp	Grab					
1		20030897 *	4/4/24	1020	NR	369.8		✓					
2		20030726	1	1040	1	338.1		✓					
3		20030753	1	1110	1	105.8		✓					
4		20030123	1	1120	1	133.6		✓					
5		20030653 *	1	1205	1	117.0		✓					
6		20030848	1	1240	1	415.0		✓					
7													
8													
9													
10													
Special Instructions:		* 10x dilution		Transfer Numbers		Relinquished By		Date/Time		Received By		Date/Time	
				1-6		Kyrin Cohen		4/4/24 1350		Danielle Taggart		04/04/24 1350	

NEED TO BE SIGNED BY LAB

Certification #E21059