

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 10/3/2023	Collected By: Katrin Villinger, Katherine Halbert
Customer: NE-DIST	Sampling Agency: FDEP
RQ: RQ-2023-10-02-66	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
GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC	 20030891
CRAIG CR AT HENDRICKS AVE	 20030793
CRAIG CR 100M DOWN FROM FOOTBRIDGE IN PARK	 20030958
MONCRIEF CR AT MONCRIEF ROAD	 20030726
MONCRIEF CR AT 21ST ST	 20030897
TROUT R AT DINSMORE BOAT RAMP DOCK NR US 1	 20030123
TROUT RIVER AT OLD KINGS RD	 20030753
TERRAPIN CREEK AT FAYE ROAD	 20030653

NW TRIBUTARY TO OPEN CR AT HODGES



20030848

RELINQUISHED BY(SIGNATURE):

A handwritten signature in black ink, consisting of two stylized, cursive 'Z' or '2' shapes followed by a horizontal line.

DATE/TIME: 10/3/2023

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:	GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC				Sample Date:	10/3/2023	
WIN / Field ID:	20030891	ORG ID:	21FLA	ENR:	-		
County:	DUVAL	WBID:	2326A	STREAM			
Receiving Body of Water:	St Johns River Above Piney Point				RQ-	2023-10-02-66	

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#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:	Rising
High Tide:	1406
Low Tide:	0739
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	855	0.9	0.3	2.01	24.4	24.2	6.72	0.4	5678	3.07

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:	10/03/2023	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 10/03/2023 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:	CRAIG CR AT HENDRICKS AVE				Sample Date:	10/3/2023	
WIN / Field ID:	20030793	ORG ID:	21FLA	ENR:	-		
County:	DUVAL	WBID:	2297B	ESTUARY			
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
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#4	
Collection Method			
	Wading		Canoe/Kayak
x	From Shore		Electric Motor
			Gasoline Motor
Depth Measured With		Meter	

Water Level:	Normal
Flow:	NA
Matrix:	Marine
Tide Stage:	Rising
High Tide:	1406
Low Tide:	0739
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	915	1.0	0.3	1.65	22.8	26.2	6.77	0.8	31184	19.35

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	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:					
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	10/03/2023	Signature:			

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

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

Save Field Sheets on Network: KH 10/03/2023 Migrate Data to WIN: (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN Field Sheet

July 2022

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of Day CCV

Yes / No

WIN Station Name:	CRAIG CR 100M DOWN FROM FOOTBRIDGE IN PARK				Sample Date:	10/3/2023	
WIN / Field ID:	20030958	ORG ID:	21FLA	ENR:	-		
County:	DUVAL	WBID:	2297B	ESTUARY			
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
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#4	
Collection Method			
	Wading		Canoe/Kayak
x	From Shore		Electric Motor
			Gasoline Motor
Depth Measured With		Meter	

Water Level:	Normal
Flow:	NA
Matrix:	Marine
Tide Stage:	Slack
High Tide:	1406
Low Tide:	0739
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	925	1.3	0.3	2.14	29	26.1	6.81	0.9	27401	16.8

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	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:	10/03/2023	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 10/03/2023 (Initials/Date) Migrate Data to WIN: _____ (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN Field Sheet

July 2022

Meter
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of Day CCV

Yes / No

WIN Station Name:		MONCRIEF CR AT MONCRIEF ROAD				Sample Date:		10/3/2023	
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 Lower Reach				RQ-	2023-10-02-66		

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#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:	Rising
High Tide:	1313
Low Tide:	0643
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	950	0.35	0.17	3.57	41.7	23.4	7.27	0.35	360.3	0.17
								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:	10/03/2023	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 10/03/2023	Migrate Data to WIN:
(Initials/Date)	(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BASIN MANAGEMENT ACTION PLAN Field Sheet

July 2022

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Yes / No

WIN Station Name:	MONCRIEF CR AT 21ST ST				Sample Date:	10/3/2023	
WIN / Field ID:	20030897	ORG ID:	21FLA	ENR:	-		
County:	DUVAL	WBID:	2228B	STREAM			
Receiving Body of Water:	Trout River Lower Reach				RQ-	2023-10-02-66	

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#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:	Rising
High Tide:	1313
Low Tide:	0643
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	1010	0.57	0.28	2.72	32	23.6	7.22	0.57	449	0.22
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					
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:	10/03/2023	Signature:			

LIMS EVENT ID: WIN Import ID: KH 01/08/2024
Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date)
Save Field Sheets on Network: KH 10/03/2023 (Initials/Date)
Migrate Data to WIN: (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

STRATEGIC MONITORING 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:	10/3/2023	
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-	2023-10-02-66

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
	From Shore		Electric Motor
x	Boat Dock		Gasoline Motor
Depth Measured With		Meter	

Water Level:	Normal
Flow:	NA
Matrix:	Marine
Tide Stage:	Rising
High Tide:	1313
Low Tide:	0643
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	1030	1.4	0.3	3.57	43.1	23.8	6.52	0.6	6290	3.18

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	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:					
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	10/03/2023	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 10/03/2023 (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:	TROUT RIVER AT OLD KINGS RD				Sample Date:	10/3/2023	
WIN / Field ID:	20030753	ORG ID:	21FLA	ENR:	-		
County:	DUVAL	WBID:	2203	STREAM			
Receiving Body of Water:	St Johns River Above Dames Point				RQ-	2023-10-02-66	

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#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:	Slack
High Tide:	1313
Low Tide:	0643
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	1045	0.8	0.3	6.22	71.6	22.3	6.66	0.6	113.8	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)	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:	10/03/2023	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 10/03/2023 (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:	TERRAPIN CREEK AT FAYE ROAD				Sample Date:	10/3/2023	
WIN / Field ID:	20030653	ORG ID:	21FLA	ENR:	-		
County:	DUVAL	WBID:	2204	STREAM			
Receiving Body of Water:	Dunn Creek				RQ-	2023-10-02-66	

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:	Normal
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	Rising
High Tide:	1313
Low Tide:	0643
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	1115	0.11	0.05	7.23	84.6	23.1	6.69	0.11	193	0.09
								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:	10/03/2023	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 10/03/2023	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:	NW TRIBUTARY TO OPEN CR AT HODGES				Sample Date:	10/3/2023	
WIN / Field ID:	20030848	ORG ID:	21FLA	ENR:	-		
County:	DUVAL	WBID:	2299B	STREAM			
Receiving Body of Water:	ICWW Duval. St Johns County				RQ-	2023-10-02-66	

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:	Normal
Flow:	Flowing
Matrix:	Fresh
Tide Stage:	Rising
High Tide:	1313
Low Tide:	0643
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	1145	0.19	0.09	6.53	78.4	24.4	6.93	0.19	394	0.19
								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)					
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:	10/03/2023	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 10/03/2023 (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: 2023-10-02-66

Project: BMAP1/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 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	10/3/23	802	22.3	761.5	8.7	—	100.2	—	1.014	P/F	L/F
ICV	K. Halbert	10/3/23	807	22.1	761.5	8.7	8.76	100.2	—	1.014	P/F	L/F
CCV	K. Halbert	10/3/23	1313	22.3	761.9	8.7	8.70	100.0	—	1.014	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	K. Halbert	10/3/23	808	230612B	06/2024	1000	1000	P/F	L/F
ICV	K. Halbert	10/3/23	810	230131A	02/2024	100	99.6	P/F	L/F
CCV	K. Halbert	10/3/23	1315	230131D	02/2024	15000	15121	P/F	L/F
CCV	K. Halbert	10/3/23	1405	230131C	02/2024	50000	50405	P/F	L/F

Conductivity Acceptance criteria ± 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	10/3/23	813	M241-15	9/1/24	7.01	22.8	7.01	-22.3	P/F	L/F
Calibr.	K. Halbert	10/3/23	816	43041354	4/3/25	4.00	22.9	4.00	154.7	P/F	L/F
Calibr.	K. Halbert	10/3/23	818	M334-14	11/29/24	10.03	22.8	10.03	-191.6	P/F	L/F
ICV	K. Halbert	10/3/23	820	43041354	4/3/25	4.00	22.8	4.00	154.5	P/F	L/F
CCV	K. Halbert	10/3/23	1318	M334-14	11/29/24	10.03	22.6	10.02	-192.4	P/F	L/F
CCV	K. Halbert	10/3/23	1405	230131C	02/2024	KH1013/2023				P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;

If mV are recorded: slope from 7 to 10 169.3, slope from 4 to 7 177.0 (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	10/3/23	823	0.000	0.000	P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:



DIVERSIFIED
ENVIRONMENTAL LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

Project Number:

(Lab Use Only)

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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													
Project Name BMAP 1&2									Parameters								Preservation Codes:							
Project Number 2023-10-02-66																			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	E. Coli - Quantitray	Enterococci - Quantitray	Coliform, Fecal - MF 3 Dilutions								3. HCl 8. NH4Cl					
1		20030891	10/3/23	855	NPW	5678	✓	1											4. NaOH 9. Other: (List)					
2	*	20030793	10/3/23	915		31184	✓	1											Thermal Preservation:					
3	*	20030958	10/3/23	925		27401	✓	1											In Crushed Ice? Yes / No					
4		20030726	10/3/23	950		360.3	✓	1											Cooler Temp: 0.0 °C					
5	*	20030897	10/3/23	1010		449.0	✓	1											Sample Cont. Temp: 1.7 °C					
6		20030123	10/3/23	1030		6290	✓	1											Turnaround Requested:					
7		20030753	10/3/23	1045		113.8	✓	1											☒ Standard (10 Business Days)					
8	*	20030653	10/3/23	1115		1930	✓	1											☐ Semi-Rush (3-5 Business Days)					
9		20030848	10/3/23	1145		394.0	✓	1											☐ Rush (1-2 Business Days)					
10																			Turnaround times are estimated & subject to change. Surcharges apply for all Rush samples.					
Special Instructions: *10x dilution									Billing Information:															
Transfer Numbers									Relinquished By				Date / Time				Received By				Date / Time			
1-9									Katherine Halbert				10/3/23 / 1234				MEGAL				10/3/23 12:34			



Certification #E821059