FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date:	8/1/2023	**Collected By:**	Jeremy Parrish,
Customer:	NE-DIST	**Sampling Agency:**	FDEP
RQ:	RQ-2023-08-07-71	**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: 1 **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
NW TRIBUTARY TO OPEN CR AT HODGES	20030848

RELINQUISHED BY(SIGNATURE):

DATE/TIME: 8/1/2023 1600EST

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:**	8/1/2023
WIN / Field ID:	20030891	**ORG ID:**	21FLA	**ENR:**	-	**Latitude:**	30.22544
County:	DUVAL	**WBID:**	2326A	STREAM		**Longitude:**	-81.60386
Receiving Body of Water:	St Johns River Above Piney Point					**RQ-**	2023-08-07-71

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

Sampling Equipment					
x	Sample Container			Carboy	
	Dipper			Van Dorn	
	Syringe		x	Pole	*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:	
High Tide:	
Low Tide:	
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 (PPTh)
EST	1005	0.67	0.3	4.55	56.7	26.6	7.18	0.67	321	0.15
								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			Syring Lot#:; Filter Lot#:		
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC		SyringLot#		FilterLot#	
Other(s)					
Field Comments:					
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	08/01/2023	**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 10/23/2023 (Initials/Date)

Save Field Sheets on Network: JP 08/01/2023 (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 AT HENDRICKS AVE					**Sample Date:**	8/1/2023
WIN / Field ID:	20030793	**ORG ID:**	21FLA	**ENR:**	-	**Latitude:**	30.29631
County:	DUVAL	**WBID:**	2297B	ESTUARY		**Longitude:**	-81.64803
Receiving Body of Water:	St Johns River Above Warren Bridge					**RQ-**	2023-08-07-71

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

Sampling Equipment					
x	Sample Container			Carboy	
	Dipper			Van Dorn	
	Syringe		x	Pole	*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:	*NA*
Low Tide:	*NA*
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 (PPTh)
EST	1025	0.9	0.3	4.54	56.3	26.4	7.05	0.7	416	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)	Preservation Type	Lot#	Expiration Date	pH Check
Microbiology	Contract Lab; Enterococci *Diversified*	ICE			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients			Syring Lot#:; Filter Lot#:		
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC			SyringLot#	FilterLot#	
Other(s)					

Field Comments:	
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.
Relinquish Date:	08/01/2023
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 10/23/2023 (Initials/Date)

Save Field Sheets on Network: JP 08/01/2023 (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:**	8/1/2023
WIN / Field ID:	20030958	**ORG ID:**	21FLA	**ENR:**	-	**Latitude:**	30.29522
County:	DUVAL	**WBID:**	2297B	ESTUARY		**Longitude:**	-81.64989
Receiving Body of Water:	St Johns River Above Warren Bridge					**RQ-**	2023-08-07-71

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

Sampling Equipment					
x	Sample Container		Carboy		
	Dipper		Van Dorn		
	Syringe		x	Pole	*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:	*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 (PPTh)
EST	1035	0.4	0.3	3.75	47.3	27	6.97	0.4	442	0.21
								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	Contract Lab / Enterococci *Diversified*	ICE			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients			Syring Lot#:; Filter Lot#:		
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC		SyringLot#		FilterLot#	
Other(s)					
Field Comments:					
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	08/01/2023	**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 10/23/2023 (Initials/Date)

Save Field Sheets on Network: JP 08/01/2023 (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:	NW TRIBUTARY TO OPEN CR AT HODGES					**Sample Date:**	8/1/2023
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-**	2023-08-07-71

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

Sampling Equipment					
x	Sample Container		Carboy		
	Dipper		Van Dorn		
	Syringe		x	Pole	*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:	
High Tide:	
Low Tide:	
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 (PPTh)
EST	1115	0.7	0.3	5.52	70.5	27.9	6.92	0.7	221	0.1
								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			Syring Lot#:; Filter Lot#:		
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC		SyringLot#		FilterLot#	
Other(s)					
Field Comments:					
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	08/01/2023	**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 10/23/2023 (Initials/Date)

Save Field Sheets on Network: JP 08/01/2023 (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: YSI-Stitch RQ- 2023-0807-71 Project: 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 ~~5/30/23~~ 5/23/23

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.	JRamsh	8/1/23	900	23.2	762	8.6	8.6	100.2	—	1.03	P / F	L / F
ICV	"	8/1/23	901	23.2	762	8.6	8.6	100.2	—	1.03	P / F	L / F
CCV	JRamsh	8/1/23	1334	25.2	762	8.2	8.2	100.0	—	—	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.	JRamsh	8/1/23	913	23013 1B	2/24	6000	1000	P / F	L / F
ICV	"	8/1/23	914	23013 1A	2/24	500	98.1	P / F	L / F
CCV	JRamsh	8/1/23	1336	22102 8B	11/23	1413	1426	P / F	L / F
CCV								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.	JRamsh	8/1/23	905	M241-15	9/24	7.	23.7	7.01	-57	P / F	L / F
Calibr.	"	8/1/23	906	M221-22	8/24	4.	23.7	4.00	-118	P / F	L / F
Calibr.	"	8/1/23	907	M203-05	7/24	10.	23.7	10.02	-228.5	P / F	L / F
ICV	"	8/1/23	908	M221-22	8/24	4	23.7	4.05	-115	P / F	L / F
CCV	JRamsh	8/1/23	1337	M203-05	7/24	10	23.7	9.95	-222	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 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 167.5, slope from 4 to 7 175 (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: 5/30/23
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	JRamsh	8/1/23	920	0.00	0.00	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)

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
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
Project Number: 2023- 08-07-71
Project Location:
Sampler Name/Signature: Jeremy Parrish

Container Information (Qty, Size, & Type): 250 mLP | 250 mLP | 250 mLP

Container Preservation Codes: 6 | 6 | 6

Parameters: E. Coli - Quantitray | Enterococci - Quantitray | Coliform, Fecal - MF 3 Dilutions

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
1		20030891	8/1/23	1005	NPW	321		X	1		
2		20030793	"	1025	"	416 442		X		1	
3		20030958	"	1035	"	442		X		1	
4		20030848	"	1115	"	221		X	1		
5											
6											
7											
8											
9											
0											

Sample Matrix Codes:
A. Air P. Petroleum
B. Bulk S. Soil/Sludge
W. Wipe O. Other _____
PW. Potable Water
NPW. Non-Potable Water

Sample Kit or Container Lot #:

Preservation Codes:
0. None 5. Na2S2O3
1. H2SO4 6. Crushed Ice (4C)
2. HNO3 7. C8H8O6
3. HCl 8. NH4Cl
4. NaOH 9. Other: (List)

Thermal Preservation:
In Crushed Ice? (Yes) / No
Cooler Temp: 0.1 °C
Sample Cont. Temp: 1.4 °C

Turnaround Requested:
X Standard (10 Business Days)
___ Semi-Rush (3-5 Business Days)
___ Rush (1-2 Business Days)
Turnaround times are estimated & subject to change. Surcharges apply for all Rush samples.

Billing Information:
_____ Invoice with Report
_____ Invoice to Accounting
Req. #: _____
P.O. #: _____

Special Instructions:

Transfer Numbers	Relinquished By	Date / Time	Received By	Date / Time
1-4	Jeremy Parrish	8/1/23 1135	MOSH	08/01/23 11:35

NELAP ACCREDITED LABORATORY
Certification #E821059

Visit us online & order kits at: www.delilab.com