FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
G PROGRAM FIELD SHEET

ary 2018

Data Qualified? Yes / No

WIN / Field ID: 20030695

WII _____ Date: 7/24/2018 (mm/dd/yyyy)

WII OPEN CREEK AT SAN PABLO ROAD VBID: 2299A Latitude: 30.27008 (Decimal Degrees)

County: Duval ORG ID: 21FLA Longitude: 81.44103 (Decimal Degrees)

Receiving Body of Water: ICW RQ-2018- 07-16-9

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
P. O'Connor		X			
A. Kambacher	X		X	X	X

Sampling Equipment
- [X] Sample Container [ ] Van Dorn [X] Pole
- [ ] Carboy [ ] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with meter
- Equipment ID Ortho Kit 44

Collection Method
- [ ] Wading [ ] Canoe/Kayak
- [X] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded

Meter ID# Pro DSS

Matrix: Fresh / (Marine) / DI

Photos: Yes / (No)

Flow: No Flow / Interstitial / (Flowing) / NA

Tide: Rising / (Falling) / Slack/ NA

Tide Times: High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
(EST)	0855	1.0	0.3	1.0 S	5.3	66	7.13	0.22	450	26.0 ✓
CEN										

Biological Samples Collected: (None) HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	[X] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[X] Ice [X] H_2SO_4	SA7163030	06/2018	[X] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[X] W-PO4-F [X] Field Filtered 0.45 µm Filter	[X] Ice	RBTHA24559		
Chlorophyll	[X] CHLSUITE-W	[X] Ice			
Physical/Aggregate (Fresh)	[X] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[X] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[ ] E Coli [ ] F Coli [X] Enterococci	[X] Ice			
Molecular	[X] PCR-FILTER [ ] PCR-HF183 [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-GFD	[X] Ice			
Tracers	[ ] W-SUC-AA-R [ ] W-UHERB-AA [ ] W-AHERB-AA	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-UHERB-AA [ ] W-AHERB-AA [ ] W-CARB-AA [ ] W-PCL-SQ-R [ ] W-PYR-AA-R [ ] W-GLYPH [ ] W-SUC-AA-R	[ ] Ice [ ] Other			
	[X] W-E8321-MJ [X] W-E8321-DI	[X] ICE			

Contains 1:1 Sulfuric Acid
Lot No.: SA7163030
Expires: 06/12/18
See Safety Data Sheet (SDS)

Place Preservati (If Av

THERMO FISHER SCIENTIFIC 300 NORTH MAIN STREET MIDDLETOWN, VA 22645 1-800-556-3771

SULFURIC ACID >51%

DANGER

Contains 1:1 Sulfuric Acid

CAS No. 7732-18-5

May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fume/mist/vapours. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Store in corrosive resistant container with a resistant inner liner.

Notes:

WIN / Field ID: 20030695

OPEN CREEK AT SAN PABLO ROAD

Signature: A. Kambacher Date: 7/24/2018

Enter Field Parameters, Verify Station ID In LIMS DMT: JM 7/27/18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: BD 7/30/18 (Initials/Date)

Scan/Save Field Sheets BD 7/30/18 (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data In WIN: _____ (Initials/Date)

Request Number: RQ-2018-07-16-19

bmap tribs 2

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Field Report Prepared By: A Kalmbacher

Collected By: P.O'Connor

Sampling Agency: FDEP / NE ROC

WIN / Field ID: 20030695

OPEN CREEK AT SAN PABLO ROAD

Latitude ☐dd ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 7-24-2018 Time 0855 (Eastern / Central) | Composite end Date Time | Bottle Group(s) (See pg 2): C

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 5.3 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 26.0 | pH 7.13 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 450

Salinity (ppt) 0.22 | Comments

WIN / Field ID: 20030848

NW TRIBUTARY TO OPEN CR AT HODGES

Latitude ☐dd ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 7-24-2018 Time 0925 (Eastern / Central) | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 5.0 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 25.9 | pH 6.88 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 356.6

Salinity (ppt) 0.17 | Comments

WIN / Field ID: 20030653

TERRAPIN CREEK AT FAYE ROAD

Latitude ☐dd ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 7-24-2018 Time 1025 (Eastern / Central) | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 6.4 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 25.5 | pH 7.47 | Sample Depth 0.05 ☐ ft ☒ m | Sp. Conductance (umho/cm) 118

Salinity (ppt) 0.05 | Comments

WIN / Field ID: 20030123

TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1

Latitude ☐dd ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 7-24-2018 Time 1105 (Eastern / Central) | Composite end Date Time | Bottle Group(s): C

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 4.91 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 24.8 | pH 7.1 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 121.9

Salinity (ppt) 0.06 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
A Kalmbacher	7-24-2018 1420	Fed Ex	3		

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	NE-ALS-ECQ						→ Sent to Contract Lab
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	PCR-FILTER						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						H2SO4 LOT# SA7163030 EXP: 06/12/2018
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC						

Request Number: RQ-2018-07-16-19

bmap tribs 2

Customer: NE-DIST

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Requester: Jeremy M. Parrish

Field Report Prepared By: J. Kalmbacher

Collected By: P. O'Connor

Sampling Agency: FDEP/NE.ROC

WIN / Field ID: 20030753

TROUT RIVER AT OLD KINGS RD

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 7-24-2018 Time 1135 Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 5.79 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 24.2 | pH 7.45 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 105

Salinity (ppt) 0.05 | Comments

WIN / Field ID: 20030316

MONCRIEF CR N OF 33RD ST BRID

Latitude ☐ dd ☒ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 7-24-2018 Time 1255 Eastern Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.11 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 28.6 | pH 7.57 | Sample Depth 0.1 ☐ ft ☒ m | Sp. Conductance (umho/cm) 276

Salinity (ppt) 0.13 | Comments

WIN / Field ID: 20030897

MONCRIEF CR @ 21ST ST.

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 7-24-2018 Time 1225 Eastern Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 4.8 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 26.2 | pH 7.4 | Sample Depth 0.1 ☐ ft ☒ m | Sp. Conductance (umho/cm) 460

Salinity (ppt) 0.22 | Comments

Location | ☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time Eastern Central | Composite end Date Time | Bottle Group(s)

Field ID | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

WIN/STORET # | Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) | Comments

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Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
J. Kalmbacher	7-24-2018 1420	Fed Ex	3		

Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2
	W-TDS W-TSS					
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2
	CHLSUITE-W					
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2 ↳ Sent to Contract Lab
	NE-ALS-ECQ					
Group: B	Bottle Type:	QPCR-P-500ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2
	PCR-FILTER PCR-HF183					
Group: B	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2
	W-E8321-DI W-E8321-MS					
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab** 2
	W-ICP W-ICPMS					HNO3 LOT# NA8099110 EXP: 04/09/2019
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** 2
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab** 2
	W-PO4-F					
Group: C	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2
	ALKALINITY TURBIDITY W-F W-TSS					
Group: C	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2
	CHLSUITE-W					
Group: C	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 2

Group: C	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	NE-ALS-ENQ						Sent to Contract Lab
Group: C	Bottle Type:	QPCR-P-500ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	PCR-FILTER						
Group: C	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	W-E8321-DI						
	W-E8321-MS						
Group: C	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: C	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	2
	W-PO4-F						

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

9143 Philips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

PAGE 1 OF 1

SR#

CAS Contract

Project Name: BMAP 2	Project Number: RA 2018-07-16-19
Project Manager: Jeremy Parrish	Email Address: jeremy.m.parrish@dep.state.fl.us
Company/Address: FDEP 8800 Baymeadow Way W Jacksonville, FL 32256	
Phone #: 904-256-1700	FAX #:
Sampler's Signature: Amy Kalmbacher	Sampler's Printed Name: Amy Kalmbacher

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	PRESERVATIVE	E. Coli	Enterococci
						8		
20030695		7-24-18	0855	SW	1			X
20030848			0925		1		X	
20030653			1025		1		X	
20030123			1105		1			X
20030753			1135		1		X	
20030897			1225		1		X	
20030316			1255		1		X	

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ICE

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

See QAPP ☐

0.0°C

SAMPLE RECEIPT: CONDITION/COOLER TEMP:

CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Amy Kalmbacher	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Amy Kalmbacher	Printed Name: KAYLA BLACKWELL	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: FDEP	Firm: ALS	Firm:	Firm:	Firm:	Firm:
Date/Time: 7-24-2018	Date/Time: 7.24.18 1330	Date/Time:	Date/Time:	Date/Time:	Date/Time:

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____Yes ____No

INVOICE INFORMATION
PO #
BILL TO:

Distribution: White - Return to Originator; Yellow - Retained by Client

1330