

FDEP South Regional Operations Center

PO Box 2549
Fort Myers, Florida 33902
(239) 344-5600

RQ#: 2019-05-06-05

SAMPLING DATE: 5/23/19

Project ID: BMAP Caloosa Long Term (GRAB)

Meter ID: PRO MOVE Secchi ID: D668 BWS



Page 1 of 3

Field ID Location/Name STORET # Collection date	PARAMETER	TIME	Secchi 1 decimal	Total Depth	Sample Depth	TEMP 2 decimal °C	COND whole # µS/cm	SAL 2 decimal PPT	%SAT DO 1 decimal %	DO 2 decimal mg/L	PH 2 decimal su	Matrix F/M
Field ID/WIN ID Location USGS Station-Punta Blanca	G3SD0108	1005	2.0 ^s	2.0	0.3	28.1	35766	22.48	88.3	6.09	7.91	M
		Bottom if >1.5			1.5	28.6	38359	24.37	93.7	6.33	7.99	
Field Conditions: Water Level: Low <u>Normal</u> High Tide level: LS <u>R</u> HS F N/A pH <u>✓</u> Sample collected by: <u>CS</u>												
Field ID/WIN ID Location USGS Station-Shell Point	G3SD0109	1030	2.5 ^s	2.5	0.3	28.8	47953	31.13	92.8	6.03	8.07	M
		Bottom if >1.5			2.5	28.8	48763	31.74	92.6	6.00	8.07	
Field Conditions: Water Level: Low <u>Normal</u> High Tide level: LS <u>R</u> HS F N/A pH <u>✓</u> Sample collected by: <u>CS</u>												
Field ID/WIN ID Location Marker # 76	G3SD0110	1100	2.6	3.4	0.3	28.7	26983	16.47	98.3	6.93	8.02	M
		Bottom if >1.5			2.9	29.1	32555	20.24	86.6	5.94	7.95	
Field Conditions: Water Level: Low <u>Normal</u> High Tide level: LS <u>R</u> HS F N/A pH <u>✓</u> Sample collected by: <u>CS</u>												
Field ID/WIN ID Location Marker # 52	G3SD0111	1130	2.7	2.8	0.3	29.0	14370	8.29	96.3	7.08	8.00	M
		Bottom if >1.5			2.3	29.8	21782	13.06	80.1	5.64	7.89	
Field Conditions: Water Level: Low <u>Normal</u> High Tide level: LS <u>R</u> HS F N/A pH <u>✓</u> Sample collected by: <u>CS</u>												

Sampling Device: Container X Collection Method: Boat X Motor Y N

Tide Times: High Low N/A

Analyte Kit: BOD-UNIN CHLSUITE-W ALKALINITY W-ICP

W-ICPMS W-DOC W-F W-NH3 W-NO2NO3 W-PO4-F

W-S-A-TP W-TKN W-TOC W-TSS ALL SAMPLES ON ICE

H2S04 Lot# Exp

HNO3 Lot# Exp

LIMS Upload (initials/date)

Sampled by {Team Names} and Initials

JOHN BALLINSON JB

GARY SWANER GS

WIN Upload (initials/date)

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Field ID/WIN ID Location US 41, Marker # 38	G3SD0112	1205	2.0	2.0	0.3	29.0	11617	6.57	95.3	7.07	8.03	M
		Bottom if >1.5			1.5	29.3	13331	7.91	22.1	5.22	7.79	
Field Conditions: Water Level: Low <u>Normal</u> High Tide level: LS <u>(R)</u> HS F N/A pH <u>✓</u> Sample collected by: <u>JB</u>												
Field ID/WIN ID Location Marker # 28	G3SD0113	1218	1.5	1.5	0.3	29.0	6996	3.75	97.4	7.33	8.00	M
		Bottom if >1.5			1.0	29.1	9470	5.54	79.6	5.99	7.82	
Field Conditions: Water Level: Low <u>Normal</u> High Tide level: LS <u>(R)</u> HS F N/A pH <u>✓</u> Sample collected by: <u>JB</u>												
Field ID/WIN ID Location Marker # 22	G3SD0114	1232	1.2	2.5	0.3	29.0	3126	1.62	95.2	7.26	8.04	F
		Bottom if >1.5			2.0	29.0	10800	6.16	56.8	4.03	7.62	
Field Conditions: Water Level: Low <u>Normal</u> High Tide level: LS <u>(R)</u> HS F N/A pH <u>✓</u> Sample collected by: <u>JB</u>												
Field ID/WIN ID Location Old Swing Bridge	G3SD0115	1245	0.6	2.5	0.3	29.1 29.1	2140	1.99	98.9	7.58	8.10	F
		Bottom if >1.5			2.0	29.0	4170	2.41	86.0	6.48	7.89	
Field Conditions: Water Level: Low <u>Normal</u> High Tide level: LS <u>(R)</u> HS F N/A pH <u>✓</u> Sample collected by: <u>JB</u>												

Comments:

Sampled by {Team Names} and Initials

JOHN BARNETT JB
GARY SWANSON GS

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Field ID/WIN ID G3SD0116 Location MidChannel@OrangeRiver		1300	1.1 1.2	1.2 1.1	0.3	29.6	1527	0.76	97.0	7.35	8.12	F
Field Conditions:			Water Level: Low Normal High			Tide level: LS R HS F N/A			pH ☒			Sample collected by: JB
Field ID/WIN ID G3SD0117 Location Upstream of Power Plant		1325	0.5	0.5	0.25	29.8	2025	1.02	108.4	8.17	8.25	F
Field Conditions:			Water Level: Low Normal High			Tide level: LS R HS F N/A			pH ☒			Sample collected by: JB
Field ID/WIN ID G3SD0118 Location Mid Channel off Oxbow		1340	0.8	7.6	0.3	29.2	2811	1.46	105.6	8.05	8.18	F
Field Conditions:			Water Level: Low Normal High			Tide level: LS R HS F N/A			pH ☒			Sample collected by: JB
Field ID/WIN ID G3SD0119 Location Mid channel off point		1350	0.8	7.2	0.3	29.7	3169	1.64	106.3	7.95	8.12	F
Field Conditions:			Water Level: Low Normal High			Tide level: LS R HS F N/A			pH ☒			Sample collected by: JB
					6.7	29.1	3808	1.99	78.0	6.06	7.89	

Comments:

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: PRO M003

RQ: 2018-

Project: LT + ALGAE

- 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 3/19/19

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.	BARRINGTON	5/23/19	0700	24.6	758.2	8.32	8.31	99.8	—	1.035	(P) F	L / F
ICV	↓	↓	0703	24.6	758.4	8.32	8.32	99.9	—	—	(P) F	L / F
CCV	Gray Snail	5/23/19	1645	27.8	756.1	8.54	7.90	100.9	—	—	(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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	BARRINGTON	5/23/19	0706	2809050	9/20	10000	10000	(P) F	L / F
ICV	↓	↓	0709	2811660	11/20	50000	49984	(P) F	L / F
CCV	Gray Snail	5/23/19	1645	2904947	03/21	1000	1009	(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.	BARRINGTON	5/23/19	0712	191304	3/21	6.99	24.8	7.00	45.8	(P) F	L / F
Calibr.	↓	↓	0715	190012	1/21	4.01	25.0	4.01	129.8	(P) F	L / F
Calibr.	↓	↓	0718	187680	12/20	10.01	25.0	10.00	223.7	(P) F	L / F
ICV	↓	↓	0720	190012	1/21	4.01	24.9	3.99	—	(P) F	L / F
CCV	Gray Snail	5/23/19	1653	187680	12/20	10.01	24.1	10.06	—	(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 $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 178.1, slope from 4 to 7 175.6 (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: _____

If NO, what will be used? (circle one) Secchi Disk line / Sonar Unique ID: DEEP BUZZ; Date of last verification: 12/26/18

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						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: