

To use this field audit checklist effectively, the auditor must be familiar with FD 1000 (Documentation Procedures) in “DEP Standard Operating Procedures for Field Activities”, January 1, 2017. (DEP-SOP-001/01)

Dates Audited: 01/22/2018 and 07/30/2018 Note: for some categories, all records were reviewed.

Universal Documentation Requirements	Yes	No	NA
Waterproof ink was used for all paper documentation. <i>FD 1100 section 2.5.</i>	☐	☐	☐
Errors in documentation were corrected without obliteration. <i>FD 1100 section 2.6.</i>	☐	☐	☐
All cleaning procedures associated with the project were documented. <i>FD 2000 sections 1 – 3.1</i>	☐	☐	☐
All instrument calibrations were properly documented. <i>FD 4100 sections 1 – 2.7</i>	☐	☐	☐
Names of all sampling personnel were recorded. <i>FD 5000 section 2.1</i>	☐	☐	☐
The type(s) of sampling equipment used to collect all samples was recorded in the field record. <i>FD 5000 section 2.10</i>	☐	☐	☐
Where applicable to the analyte groups collected, the location and use of fuel-powered vehicles or equipment during the sampling project was recorded. <i>FD 5000 section 2.12</i>	☐	☐	☐
Date of sample collection was recorded for all samples. <i>FD 5000 section 2.2</i>	☐	☐	☐
Time of sample collection was recorded for all samples having maximum holding times of ≤ 24 hours. <i>FD 5000 section 2.2.2</i>	☐	☐	☐
Ambient field conditions were recorded for all samples. <i>FD 5000 section 2.3</i>	☐	☐	☐
A specific description of all sampling locations (sources) was recorded. <i>FD 5000 section 2.4</i>	☐	☐	☐
Where applicable, latitude and longitude were recorded for all sampling locations. <i>FD 5000 section 2.4.2</i>	☐	☐	☐
Where applicable, sampling locations were designated on scaled maps and drawings. <i>FD 5000 section 2.4.3</i>	☐	☐	☐
The matrix collected was recorded for all samples. <i>FD 5000 section 2.6</i>	☐	☐	☐
For composite samples, the number of subsamples, the amount collected for each subsample and the location of collection (sampling point or source) and, where applicable, the time of collection for each subsample was recorded. <i>FD 5000 section 2.13</i>	☐	☐	☐
The types, number, collection location and collection sequence of all field quality control samples was recorded in the field record. <i>FD 5000 section 2.11</i>	☐	☐	☐
Preservation information and verification was recorded for each sample, as applicable. <i>FD 5100 section 1 – 1.4</i>	☐	☐	☐
Ancillary records such as photographs, videotapes and maps were archived and linked to the sample unique field identification codes	☐	☐	☐

and the date of the sampling project. <i>FD 5000 section 5</i>			
Each sample container or group of containers was tagged or labelled with a unique field identification code that distinguishes the sample from all other samples. <i>FD 5000 section 1.1</i>	☐	☐	☐
Sample containers and labels were attached so as to prevent contact between the sample and the label or tag when pouring or dispensing from the container. <i>FD 5000 section 1.2</i>	☐	☐	☐
The unique identification codes for samples were recorded in a manner that linked the codes to all other field records associated with the samples. <i>FD 5000 sections 1.1.1 & 1.3</i>	☐	☐	☐

Surface Water Sampling	Yes	No	NA
Information about the following topics was recorded for each sample, as applicable (<i>FD 5100, section 4</i>):	☐	☐	☐
☐ Depth of all samples and subsamples	☐	☐	☐
☐ Beginning and ending times for all timed composites	☐	☐	☐
☐ Type of composite sample	☐	☐	☐

Biological sampling	Yes	No	NA
Physical and chemical characterization information was documented for each waterbody assessment, as applicable. <i>FD 5411 sections 1- 4 or Form FD 9000-3</i>	☐	☐	☐
Stream or river habitat assessment information was documented for each waterbody reach, as applicable. <i>FD 5412 sections 1 & 2 or Form FD 9000-5</i>	☐	☐	☐
Lake habitat assessment information was documented for each waterbody or lake sector, as applicable. <i>FD 5413 section 1</i>	☐	☐	☐
Biorecon (rapid bioassessment) information was documented for each waterbody or lake sector, as applicable. <i>FD 5423 or Form FD 9000-1</i>	☐	☐	☐

Field-Testing Instrument Calibrations	Yes	No	NA
Information about all calibration standards and reagents used for field testing were linked to the calibration information associated with the field testing measurements for the project. <i>FD 4000</i>	☐	☐	☐
The concentration or other assay value, the vendor catalog number and the description of the standard or reagent were recorded for all preformulated solutions, neat liquids and powders. <i>FD 4100 sections 1.1 – 1.1.1</i>	☐	☐	☐
Certificates of assay, grade and other vendor specifications for all standards and reagents were retained and recorded for the standards and reagents linked to the sampling project. <i>FD 4100 sections 1.1.2 – 1.1.2.1</i>	☐	☐	☐
For standards formulated in-house for use on the sampling project, the dates of preparation and all calculations used to prepare calibration	☐	☐	☐

Summary of Audit Findings: Sampling Teams – please complete the "response" column and email table to the WMS QA Officer for approval.

[illegible]

Other Checks

Documentation

- All field sheets, photos, and lab reports were saved to the BMAP folder here:
Y:\BMAP\2018\21FLCEN
- Depth/Temp verifications were scanned and saved to the BMAP folder, however daily calibration logs were not. These were saved in the SMP folder and should be moved to the appropriate project folder.

Project Completion

- BMAP Sampling was complete for each project as described here:
<https://floridadep.sharepoint.com/dear/ceroc/SitePages/BMAP.aspx>

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name.

Meter ID: Boop / Nov RQ: 2018-01-15-33 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 12/1/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	T. Riordan	1/22/18	730	21.50	8.829	8.82	99.9	45.1	1.02447	P/F	L/F
ICV				21.57	8.812	8.81	99.9	45.1		P/F	L/F
CCV			1445	25.13	8.249	8.22	99.6	46.1	1.02447	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	T. Riordan	1/22/18	730	170831	9/18	1000	1000	P/F	L/F
ICV				171023	11/18	100	99	P/F	L/F
CCV			1445	2601829	1/18	10000	10092	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	T. Riordan	1/22/18	730	172189	4/19	7.0	6.96	-9.3	P/F	L/F
Calibr.				171629	4/19	4.0	3.98	165.4	P/F	L/F
Calibr.				174997	7/19	10.0	9.94	-185.0	P/F	L/F
ICV				171629	4/19	4.0	3.97	166.3	P/F	L/F
CCV			1445	174997	7/19	10.0	9.96	-185.4	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 10 175.7, slope from 4 to 7 174.7 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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						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:

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID: Boop/Non

RQ: 2018-02-23-39

Project: PSMP 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

6/1/18

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	T. Kordon	7/30/18	710	23.43	8.514	8.51	100.0	54.3	0.98235	<u>0</u> /F	<u>L</u> /F
ICV				23.42	8.514	8.50	99.9	53.3		<u>0</u> /F	<u>L</u> /F
CCV			1420	23.73	8.466	8.51	100.6	54.3	0.98235	<u>0</u> /F	<u>0</u> /F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	T. Kordon	7/30/18	710	180312 B	3/19	1000	1000	<u>0</u> /F	<u>L</u> /F
ICV				180312 A	3/19	100	100	<u>0</u> /F	<u>L</u> /F
CCV			1420	2706061	6/19	10,000	10113	<u>0</u> /F	<u>0</u> /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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	T. Kordon	7/30/18	710	172189	4/19	7.0	7.00	-29.8	<u>0</u> /F	<u>L</u> /F
Calibr.				176044	8/19	4.0	4.00	146.4	<u>0</u> /F	<u>L</u> /F
Calibr.				176507	9/19	10.0	10.00	-204.4	<u>0</u> /F	<u>L</u> /F
ICV				176044	8/19	4.0	3.99	146.6	<u>0</u> /F	<u>0</u> /F
CCV			1420	176507	9/19	10.0	10.00	-205.0	<u>0</u> /F	<u>0</u> /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 10 174.6, slope from 4 to 7 176.2 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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						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:

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name.

Meter ID: Betty 1.7

RQ-

Project: Shore

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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	<u>Liif Boman</u>	<u>7/30/18</u>	<u>8:20</u>	<u>23.27</u>	<u>8.530</u>	<u>8.54</u>	<u>100.0</u>	<u>47.1</u>	<u>0.94</u>	<u>P</u> / F	<u>L</u> / F
ICV	<u>1</u>	<u>1</u>	<u>1</u>	<u>23.26</u>	<u>8.530</u>	<u>8.53</u>	<u>100.0</u>	<u>46.1</u>		<u>P</u> / F	<u>L</u> / F
CCV	<u>1</u>	<u>1</u>	<u>15:55</u>	<u>25.12</u>	<u>8.248</u>	<u>8.24</u>	<u>99.9</u>	<u>47.1</u>	<u>0.94</u>	<u>P</u> / F	<u>L</u> / F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mos/cm	Meter Reading μ mos/cm	Pass / Fail	Lab / Field
Calibr.	<u>Liif Boman</u>	<u>7/30/18</u>	<u>8:20</u>	<u>180312B</u>	<u>03/19</u>	<u>1000</u>	<u>1000</u>	<u>P</u> / F	<u>L</u> / F
ICV	<u>1</u>	<u>1</u>	<u>1</u>	<u>180312A</u>	<u>03/19</u>	<u>100</u>	<u>101</u>	<u>P</u> / F	<u>L</u> / F
CCV	<u>1</u>	<u>1</u>	<u>15:55</u>	<u>180312A</u>	<u>03/19</u>	<u>100</u>	<u>100</u>	<u>P</u> / F	<u>L</u> / 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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	<u>Liif Boman</u>	<u>2/30/18</u>	<u>8:20</u>	<u>172189</u>	<u>04/19</u>	<u>7.0</u>	<u>7.00</u>	<u>-35.3</u>	<u>P</u> / F	<u>L</u> / F
Calibr.	<u>1</u>	<u>1</u>	<u>1</u>	<u>176044</u>	<u>08/19</u>	<u>4.0</u>	<u>4.00</u>	<u>141.8</u>	<u>P</u> / F	<u>L</u> / F
Calibr.	<u>1</u>	<u>1</u>	<u>1</u>	<u>176507</u>	<u>09/19</u>	<u>10.0</u>	<u>10.00</u>	<u>-211.8</u>	<u>P</u> / F	<u>L</u> / F
ICV	<u>1</u>	<u>1</u>	<u>1</u>	<u>176044</u>	<u>08/19</u>	<u>4.0</u>	<u>4.00</u>	<u>141.6</u>	<u>P</u> / F	<u>L</u> / F
CCV	<u>1</u>	<u>1</u>	<u>15:55</u>	<u>176507</u>	<u>09/19</u>	<u>10.0</u>	<u>10.03</u>	<u>-214.2</u>	<u>P</u> / F	<u>L</u> / 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 10 176.5, slope from 4 to 7 177.1 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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						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:

Quarterly Temperature Verification Regional Operation Centers

DEP SOP FT 1400; Acceptance Criteria for Temp. $\pm 0.5^\circ$

Correction factor needed if acceptance criteria are exceeded

Record temperature reading with only one rounded decimal figure

Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up

Meter ID#:	<u>BOOP NON</u>	Date:	<u>12/1/17</u>	Time:	<u>1200</u>
Date of Last Verification:	<u>8/18/17</u>				
Cold Bath (between 0 – 10°C):	Sonde: <u>5.83</u> °C;	NIST:	<u>5.85</u> °C;	Result:	<u>Pass</u> / Fail
Warm Bath (between 30 – 40°C):	Sonde: <u>38.10</u> °C;	NIST:	<u>37.90</u> °C;	Result:	<u>Pass</u> / Fail
Correction Factor:	_____				
Person Performing Verification:	<u>Mike Drennan</u>				

Comments: _____

Meter ID#:	<u>Betty 67</u>	Date:	<u>12/1/17</u>	Time:	<u>1200</u>
Date of Last Verification:	<u>8/18/17</u>				
Cold Bath (between 0 – 10°C):	Sonde: <u>5.80</u> °C;	NIST:	<u>5.85</u> °C;	Result:	<u>Pass</u> / Fail
Warm Bath (between 30 – 40°C):	Sonde: <u>38.03</u> °C;	NIST:	<u>37.90</u> °C;	Result:	<u>Pass</u> / Fail
Correction Factor:	_____				
Person Performing Verification:	<u>Mike Drennan</u>				

Comments: _____

Meter ID#:	_____	Date:	_____	Time:	_____
Date of Last Verification:	_____				
Cold Bath (between 0 – 10°C):	Sonde: _____ °C;	NIST:	_____ °C;	Result:	Pass / Fail
Warm Bath (between 30 – 40°C):	Sonde: _____ °C;	NIST:	_____ °C;	Result:	Pass / Fail
Correction Factor:	_____				
Person Performing Verification:	_____				

Comments: _____

Figure 24. Quarterly Temperature Sensor Verification Log.

This figure is provided as an example only. Please visit the [Watershed Monitoring Information Center](#) to download the most recent version.

Quarterly Temperature Verification Regional Operation Centers			
DEP SOP FT 1400; Acceptance Criteria for Temp. $\pm 0.5^\circ$ Correction factor needed if acceptance criteria are exceeded Record temperature reading with only one rounded decimal figure <u>Numbers ≤ 4, are rounded down; numbers ≥ 5 are rounded up</u>			
Meter ID#: <u>Tally-1/AB</u>	Date: <u>12/1/17</u>	Time: <u>1300</u>	
Date of Last Verification: <u>8/18/17</u>			
Cold Bath (between 0 – 10°C): Sonde: <u>6.90</u> °C; NIST: <u>6.98</u> °C; Result: Pass / Fail			
Warm Bath (between 30 – 40°C): Sonde: <u>34.70</u> °C; NIST: <u>33.95</u> °C; Result: Pass / Fail			
Correction Factor: _____			
Person Performing Verification: <u>Mike Deenen</u>			
Comments: _____			
Meter ID#: _____ Date: _____ Time: _____ Date of Last Verification: _____ Cold Bath (between 0 – 10°C): Sonde: _____°C; NIST: _____°C; Result: Pass / Fail Warm Bath (between 30 – 40°C): Sonde: _____°C; NIST: _____°C; Result: Pass / Fail Correction Factor: _____ Person Performing Verification: _____			
Comments: _____			
Meter ID#: _____ Date: _____ Time: _____ Date of Last Verification: _____ Cold Bath (between 0 – 10°C): Sonde: _____°C; NIST: _____°C; Result: Pass / Fail Warm Bath (between 30 – 40°C): Sonde: _____°C; NIST: _____°C; Result: Pass / Fail Correction Factor: _____ Person Performing Verification: _____			
Comments: _____			

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 Form effective September 1, 2015

Figure 25. Quarterly Depth Measuring Device Verification Log.

This figure is provided as an example only. Please visit the [Watershed Monitoring Information Center](#) to download the most recent version.

Quarterly Depth Verification Regional Operation Centers			
SOP - S&T Sampling Manual and ROC Training Manual Record depth reading with only one rounded decimal figure Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up			
Meter ID#: <u>Bloop/Non</u>	Date: <u>9/15/17</u>	Time: <u>1150</u>	
Location: <u>CEROC CAB</u>			
Date of Last Verification: <u>3/3/17</u>			
Depth using verified weighted line marked in increments of 0.1 m: <u>7.0</u> m			
Depth read with the meter: <u>7.0</u> m			
Pass/Fail: <u>Pass</u> (acceptance Criteria 10%)			
Person Performing Verification: <u>Mike Drennan</u>			
Secchi/Weighted Line ID#: <u>Lead-Foot</u> Date: <u>9/15/17</u> Time: <u>935</u>			
Location: <u>Lab</u> Date of Last Verification: <u>3/3/17</u>			
Incremental markings of 0.1 m checked <u>Yes</u> yes/no			
Pass/Fail: <u>Pass</u> (acceptable criteria 10%) New increments done: <u>No</u> yes/no/NA			
Total Length of Line marked in 0.1 m increments: <u>10</u> m			
Reference meter stick or metal measuring tape: <u>5</u> m			
Pass/Fail: <u>Pass</u> (acceptable criteria of 5%) New increments done: <u>No</u> yes/no/NA			
Person Performing Verification: <u>Mike Drennan</u>			
Secchi/Weighted Line ID#: _____ Date: _____ Time: _____			
Location: <u>Lab</u> Date of Last Verification: _____			
Incremental markings of 0.1 m checked _____ yes/no			
Pass/Fail: _____ (acceptable criteria 10%) New increments done: _____ yes/no/NA			
Total Length of Line marked in 0.1 m increments: _____ m			
Reference meter stick or metal measuring tape: _____ m			
Pass/Fail: _____ (acceptable criteria of 5%) New increments done: _____ yes/no/NA			
Person Performing Verification: _____			
Comments: _____			

Page _____
Form effective April 1, 2015

Figure 25. Quarterly Depth Measuring Device Verification Log.

This figure is provided as an example only. Please visit the [Watershed Monitoring Information Center](#) to download the most recent version.

Quarterly Depth Verification Regional Operation Centers

SOP - S&T Sampling Manual and ROC Training Manual
Record depth reading with only one rounded decimal figure
Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up

Meter ID#: <u>Betty/67</u>	Date: <u>9/15/17</u>	Time: <u>1155</u>
Location: <u>CEROC LAB</u>		
Date of Last Verification: <u>3/3/17</u>		
Depth using verified weighted line marked in increments of 0.1 m: <u>7.0</u> m		
Depth read with the meter: <u>7.0</u> m		
Pass/Fail: <u>Pass</u> (acceptance Criteria 10%)		
Person Performing Verification: <u>Mike Drennan</u>		

Secchi/Weighted Line ID#: <u>Knot-head</u>	Date: <u>9/15/17</u>	Time: <u>1115</u>
Location: <u>Lab</u>	Date of Last Verification: <u>3/3/17</u>	
Incremental markings of 0.1 m checked <u>yes</u> yes/no		
Pass/Fail: <u>Pass</u> (acceptable criteria 10%) New increments done: <u>No</u> yes/no/NA		
Total Length of Line marked in 0.1 m increments: <u>10</u> m		
Reference meter stick or metal measuring tape: <u>5</u> m		
Pass/Fail: <u>Pass</u> (acceptable criteria of 5%) New increments done: <u>No</u> yes/no/NA		
Person Performing Verification: <u>Mike Drennan</u>		

Secchi/Weighted Line ID#: _____	Date: _____	Time: _____
Location: <u>Lab</u>	Date of Last Verification: _____	
Incremental markings of 0.1 m checked _____ yes/no		
Pass/Fail: _____ (acceptable criteria 10%) New increments done: _____ yes/no/NA		
Total Length of Line marked in 0.1 m increments: _____ m		
Reference meter stick or metal measuring tape: _____ m		
Pass/Fail: _____ (acceptable criteria of 5%) New increments done: _____ yes/no/NA		
Person Performing Verification: _____		

Comments: _____

Figure 25. Quarterly Depth Measuring Device Verification Log.

This figure is provided as an example only. Please visit the [Watershed Monitoring Information Center](#) to download the most recent version.

Quarterly Depth Verification Regional Operation Centers			
SOP - S&T Sampling Manual and ROC Training Manual Record depth reading with only one rounded decimal figure Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up			
Meter ID#: <u>11C/AB</u>	Date: <u>9/15/17</u>	Time: <u>1140</u>	
Location: <u>CEROC LAB</u>			
Date of Last Verification: <u>3/3/17</u>			
Depth using verified weighted line marked in increments of 0.1 m: <u>2.8</u> m			
Depth read with the meter: <u>2.8</u> m			
Pass/Fail: <u>Pass</u> (acceptance Criteria 10%)			
Person Performing Verification: <u>Mike Drennan</u>			
Secchi/Weighted Line ID#: <u>Rusty</u> Date: <u>9/15/17</u> Time: <u>925</u> Location: <u>Lab</u> Date of Last Verification: <u>3/3/17</u>			
Incremental markings of 0.1 m checked <u>Yes</u> yes/no			
Pass/Fail: <u>Pass</u> (acceptable criteria 10%) New increments done: <u>No</u> yes/no/NA			
Total Length of Line marked in 0.1 m increments: <u>5.8</u> m			
Reference meter stick or metal measuring tape: _____ m			
Pass/Fail: <u>Pass</u> (acceptable criteria of 5%) New increments done: <u>No</u> yes/no/NA			
Person Performing Verification: <u>Mike Drennan</u>			
Secchi/Weighted Line ID#: _____ Date: _____ Time: _____ Location: <u>Lab</u> Date of Last Verification: _____			
Incremental markings of 0.1 m checked _____ yes/no			
Pass/Fail: _____ (acceptable criteria 10%) New increments done: _____ yes/no/NA			
Total Length of Line marked in 0.1 m increments: _____ m			
Reference meter stick or metal measuring tape: _____ m			
Pass/Fail: _____ (acceptable criteria of 5%) New increments done: _____ yes/no/NA			
Person Performing Verification: _____			
Comments: _____			

Page _____
Form effective April 1, 2015

BMAP



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?
Yes / No

WIN Station Name: Haynes Creek @ 300m DS of CR 44 Date: 1/22/18
(mm/dd/yyyy)

WIN/ Field ID: G1CE0023 WBID: 28174 Latitude: 28.874252
(Decimal Degrees)

County: Lake ORG ID: 21FLCEN Longitude: -81.789369
(Decimal Degrees)

Receiving Body of Water: Griffin RQ-2018- 01-15-33

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Terry Riordan					☒	☒	☒	☒	☒
Mike Brennan					☒	☒	☒	☒	☒

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with _____		
Equipment ID _____		

Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: Dry/ Pooled/ Low Normal / High / Flooded Meter ID# 300P Non Matrix: Fresh / Marine / DI

Photos: Yes / No Flow: No Flow / Intestinal / 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 (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	1105	2.4	0.3	1.8	6.0	58	7.2	0.2	346	13.0
CEN			1.9		5.3	50	7.2	0.2	345	12.9

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	☐ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP	☐ Ice ☐ H2SO4			☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 um Filter	☐ Ice			
Chlorophyll	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-Cl-IC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ W-TDS	☐ 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 ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ 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			

Notes:

WIN ID / Field ID → Haynes Creek @ 300m DS of CR 44 (28174)

Barcode: G1CE0023

Signature: [Signature] Date: 1/22/18

Enter Field Parameters, Verify Station ID In LIMS DMT: Kmw 1/30/18 QC Station ID, Field Parameters In LIMS DMT: _____

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data In WIN: _____



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?
Yes / No

WIN Station Name: Salt Creek @ Packard Ave

Date: 1/22/18
(mm/dd/yyyy)

WIN/ Field ID: G2CE0088

WBID: 2990

Latitude: 28.713853

County: Seminole

ORG ID: 21FLCEN

Longitude: -81.166944
(Decimal Degrees)

Receiving Body of Water: Jesup

RQ-2018- 01-15-33
(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Terry Reordan										
Mike Dianna										

Sampling Equipment									
☒ Sample Container	☐ Van Dorn	☐ Pole							
☐ Carboy	☒ Syringe								
☐ Dipper	☐ Other								

Depth Measured with _____
Equipment ID _____

Collection Method									
☒ Wading	☐ Canoe/Kayak								
☐ From Shore	☐ Electric Motor								
☐ Other	☐ Gasoline Motor								

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded				Meter ID# <u>BOOP NOW</u>		Matrix: <u>Fresh</u> / Marine / DI				
Photos: (Yes) / No		Flow: No Flow / Intestinal / <u>Flowing</u> / NA		Tide: Rising/ Falling/ Slack/ <u>NA</u>		Tide Times: High _____ Low _____				
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1305	0.2	0.1	0.2(s)	8.1	84	7.5	2.3	4377	16.4
CEN										

Biological Samples Collected: <u>None</u> 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	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	<u>SA7275010</u>	<u>10/2/18</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS	☒ 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 ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ 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			

☒ BOD - univ ☒ ICE

Notes: Undergoing channelization & installation of box culverts to north of Packard Ave.

WIN ID / Field ID →

Salt Creek @ Packard Ave (2990)



G2CE0088

Signature: _____

Date: 1/22/18

Enter Field Parameters, Verify Station ID In LIMS DMT: kmw 1/30/18

QC Station ID, Field Parameters In LIMS DMT: _____

Scan/Save Field Sheets

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

BMAP



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?
Yes / No

WIN Station Name: Sweetwater Creek @ Florida Ave Date: 1/22/18
WIN/ Field ID: G2CE0123 WBID: 2992 Latitude: 28.6957667 (mm/dd/yyyy)
County: Seminole ORG ID: 21FLCEN Longitude: -81.1841167 (Decimal Degrees)
Receiving Body of Water: Te sup RQ-2018- 01-15-33 (Decimal Degrees)

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Terry Riordan		☒	☒	☒	☒	☒
Mike Brennan		☒	☒	☒	☒	☒

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with _____		
Equipment ID _____		

Collection Method		
☒ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded Meter ID# 3008 NON Matrix: Fresh / Marine / DI
Photos: Yes No Flow: No Flow / Intestinal / Flowing / NA Tide: Rising/ Falling/ Slack/ NA Tide Times: High Low

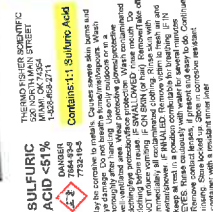
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	1245	0.2 (5)	0.1	0.2 (5)	7.6	84	7.6	0.4	760	19.8
CEN		7K								

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	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	☒ Ice ☒ H2SO4	SA7275010	10/2/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / ☒ W-F / ☒ W-TSS / ☒ TURBIDITY / ☒ W-Cl-IC / ☒ W-COLOR / ☒ W-SO4-IC / ☒ W-TDS	☒ 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 ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ 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			

Contains: 1:1 Sulfuric Acid
Lot No.: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)



Notes: ABOD - univ

Signature: [Signature] Date: 1/22/18

Enter Field Parameters, Verify Station ID in LIMS DMT: kmw 1/30/18 QC Station ID, Field Parameters in LIMS DMT: _____

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data in WIN: _____

(Initials/Date) (Initials/Date) (Initials/Date)

Sweetwater Creek @
Florida Ave (2552)
2992



G2CE0123



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION BMAP STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

Data Qualified?

Yes / No

WIN Station Name: Haynes Creek @ 300m DS of CR 44

Date: 7-30-18
(mm/dd/yyyy)

WIN/ Field ID: G1CE0023

WBID: 2817A

Latitude: 28.874256

County: LAKE

ORG ID: 21 FL CEN

Longitude: -81.789369
(Decimal Degrees)

Receiving Body of Water: LAKE GRIFFIN

RQ-2018- 07-23-39
(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment					
TERRY RIORDAN											☒ Sample Container ☐ Carboy ☐ Dipper ☐ Van Dorn ☐ Syringe ☐ Other 	☐ Pole 				
Mike Drennan											Depth Measured with <u>SECCHI DISK LINE/ METER</u> Equipment ID (KNOTHEAD/67, LEADFOOT/NON, RUSTY/SCUD)					
Liz Bates											Collection Method					
											☐ Wading ☐ From Shore ☐ Other	☐ Canoe/Kayak ☐ Electric Motor ☒ Gasoline Motor				
Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded						Meter ID# <u>Beep/Now</u>					Matrix: <u>Fresh</u> / Marine / DI					
Photos: Yes / <u>No</u>						Flow: No Flow / Intertidal / <u>Flowing</u> / NA					Tide: Rising/ Falling/ Slack/ <u>NA</u>					
Tide Times: High Low																
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT _h)	Sp COND (µmhos/cm)	Temp. (C°)						
EST	10:00	EB BUT 2.8	.3	0.7	5.62	73.3	7.71	.15	327	29.01						
CEN			2.3		5.62	73.1	7.72	.15	327	29.02						
Biological Samples Collected: <u>None</u> 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		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☐ Ice ☐ H ₂ SO ₄				☐ <2						
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO ₃				☐ <2						
Filtered Nutrients		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice		13615055			Place Preservative Sticker(s) Here (If Available)					
Chlorophyll		☐ CHLSUITE-W				☐ Ice										
Physical/Aggregate (Fresh)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS				☐ Ice										
Physical/Aggregate (Marine)		☐ Alkalinity / W-F / W-TSS / TURBIDITY				☐ Ice										
Macroinvertebrates		☐ MI-FW-QLDC				☐ Formalin										
Periphyton		☐ ALGAE-ID				☐ Ice										
Microbiology		☒ E Coli ☐ F Coll ☐ Enterococci				☒ Ice										
Molecular		☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice										
Tracers		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice										
Pesticides		☐ W-PSNP-TQ ☐ W-CT-CL-R ☒ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				☒ Ice ☐ Other										

Notes:

BOTTLE GROUP B

WIN ID / Field ID →

Haynes Creek @ 300m
DS of CR 44 (2817A)



G1CE0023

Signature: [Signature]

Date: 7/30/18

Enter Field Parameters, Verify Station ID In LIMS DMT: KWM AUG 03 2018

QC Station ID, Field Parameters In LIMS DMT: 7/8/18/18

Scan/Save Field Sheets

KWM AUG 24 2018

Migrate Data to WIN: (Initials/Date)

Verify Data In WIN: (Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

Data Qualified?

Yes ☒ No ☐

WIN Station Name: Salt Creek @ Packard Avenue

Date: 7/30/18
(mm/dd/yyyy)

WIN/ Field ID: G2CE0088

WBID: 2990

Latitude: 28.71382868

County: Seminole

ORG ID: 21 FL CEN

Longitude: -81.16694512

Receiving Body of Water: Lake Jessup

RQ-2018- 07-23-39

Sampling Team Members						Sampling Equipment					
TERRY RIORDAN						☒ Sample Container	☐ Van Dorn	☐ Pole			
Mike Brennan						☐ Carboy	☒ Syringe				
Liz Bates						☐ Dipper	☐ Other				
						Depth Measured with SECCHI DISK LINE/ METER					
						Equipment ID (KNOTHEAD/67, LEADFOOT/NON, RUSTY/SCUD)					
						Collection Method					
						☒ Wading	☐ Canoe/Kayak				
						☐ From Shore	☐ Electric Motor				
						☐ Other	☐ Gasoline Motor				
Water Level: Dry/ Pooled/ Low / Normal / High / Flooded						Meter ID# BOP / NON			Matrix: Fresh / Marine / DI		
Photos: Yes / No						Flow: No Flow / Intestinal / 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 (PPT)	Sp COND (µmhos/cm)	Temp. (C°)	
EST	12:13	0.7	0.3	0.2	4.93	53.8	6.93	1.12	2194	25.52	
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	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☒ Ice ☐ H ₂ SO ₄			☒ <2		
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO ₃			☐ <2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice	13615055				
Chlorophyll	☒ CHLSUITE-W					☒ Ice					
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS					☒ Ice					
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY					☐ Ice					
Macroinvertebrates	☐ MF-FW-QLDC					☐ Formalin					
Periphyton	☐ ALGAE-ID					☐ Ice					
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci					☐ Ice					
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD					☐ Ice					
Tracers	☐ W-E8321-DI ☐ W-E8321-MS					☐ Ice					
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA					☐ Ice ☐ Other					
BOP - UNIN						ICE					

Notes:

BOTTLE GROUP _A_

WIN ID / Field ID →

Salt Creek @ Packard Avenue (2990)



G2CE0088

Signature: *[Signature]*

Date: 7/30/18

Enter Field Parameters, Verify Station ID In LIMS DMT:

KWM AUG 03 2018

QC Station ID, Field Parameters In LIMS DMT:

22 6/15/18

Scan/Save Field Sheets

KWM AUG 24 2018

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
BMAP STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

Data Qualified?

Yes / No

WIN Station Name: Haynes Creek @ 300m DS of CR 44

Date: 7-30-18
(mm/dd/yyyy)

WIN/ Field ID: G1CE0023

WBID: 2817A

Latitude: 28.874256

County: LAKE

ORG ID: 21 FL CEN

Longitude: -81.789369
(Decimal Degrees)

Receiving Body of Water: LAKE GRIFFIN

RQ-2018- 07-23-39
(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
TERRY RIORDAN										☒ Sample Container	☐ Van Dorn	☐ Pole		
Mike Drennan										☐ Carboy	☐ Syringe			
Liz Bates										☐ Dipper	☐ Other			
										Depth Measured with <u>SECCHI DISK LINE/ METER</u>				
										Equipment ID (KNOTHEAD/67, LEADFOOT/NON, RUSTY/SCUD)				
										Collection Method				
										☐ Wading	☐ Canoe/Kayak			
										☐ From Shore	☐ Electric Motor			
										☐ Other	☒ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded					Meter ID# <u>Beep/Now</u>					Matrix: <u>Fresh</u> / Marine / DI				
Photos: Yes / <u>No</u>					Flow: No Flow / Intertidal / <u>Flowing</u> / NA					Tide: Rising/ Falling/ Slack/ <u>NA</u>				
Tide Times: High Low														
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)				
EST	10:00	<u>EB BUT 2.8</u>	<u>3</u>	<u>0.7</u>	<u>5.62</u>	<u>73.3</u>	<u>7.71</u>	<u>.15</u>	<u>327</u>	<u>29.01</u>				
CEN		<u>2.8</u>	<u>2.3</u>		<u>5.62</u>	<u>73.1</u>	<u>7.72</u>	<u>.15</u>	<u>327</u>	<u>29.02</u>				
Biological Samples Collected: <u>None</u> 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		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☐ Ice ☐ H2SO4				☐ <2			
Metals		☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3				☐ <2			
Filtered Nutrients		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter					☐ Ice		<u>13615055</u>					
Chlorophyll		☐ CHLSUITE-W					☐ Ice							
Physical/Aggregate (Fresh)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS					☐ 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 ☐ Enterococci					☒ Ice							
Molecular		☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD					☐ Ice							
Tracers		☐ W-E8321-DI ☐ W-E8321-MS					☐ Ice							
Pesticides		☐ W-PSNP-TQ ☐ W-CT-CL-R ☒ W-E8321-DI ☐ W-CARB-RA					☒ Ice							
		☐ W-PCP-SO-R ☐ WE8321-MS					☐ Other							

Notes:

BOTTLE GROUP B

WIN ID / Field ID →

Haynes Creek @ 300m
DS of CR 44 (2817A)



G1CE0023

Signature: [Signature]

Date: 7/30/18

Enter Field Parameters, Verify Station ID in LIMS DMT: KWM AUG 03 2018

QC Station ID, Field Parameters in LIMS DMT: 7/8/18/18

Scan/Save Field Sheets

KWM AUG 24 2018

Migrate Data to WIN: (Initials/Date)

Verify Data in WIN: (Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)

Standard and Reagent Log

[+ new item](#) or [edit this list](#)

Presentations

All Items

By ROC

...

Find an item



SAVE THIS VIEW

Maintenance

Reagent Log

Comparison

Operation Centers

By ROC

Referral Log

✓	Lot Number ▼	Standard - Reagent	Manufacturer	Quantity	Concentration	Grade	Date of Receipt	Expiration Date	Date Opened	Person Opening Standard	Regional Operation Center (ROC) ▼	Location	Discarded or if used past Expiration Date	Discarded or Past Expiration by Person	Certificate
	2601829	Conductivity Standard	Ricca	10 L	10,000 µs/cm	Reagent	2/8/2016	1/1/2018	2/24/2016	Drennan, Lawrence	Central	Lab	Discarded 02/13/2018	Boman, Leif	Cond 10,000 Lot 2601829
	171629	ph Buffer	Fisher	20 L	ph buffer - 4.00 SU		7/14/2017	4/1/2017	11/21/2017	Drennan, Lawrence	Central	Lab			pH 4_Lot 171629
	172189	ph Buffer	Fisher	20 L	pH buffer - 7.00 SU		7/14/2017	4/30/2019	1/16/2018	Drennan, Lawrence	Central	Lab			pH 7_Lot 172189
	170831	Conductivity Standard	Exaxol	20L	Conductivity - 1000 µs/cm		9/1/2017	9/30/2018	9/1/2017	Drennan, Lawrence	Central	Lab			Cond 1000_Lot 170831
	174997	ph Buffer	Fisher	20 L	pH buffer - 10.00 SU		10/25/2017	7/31/2019	1/10/2018	Boman, Leif	Central	lab			pH 10_Lot 174997
	171023	Conductivity Standard	Exaxol	20L	Conductivity - 100 µs/cm		10/25/2017	11/30/2018	10/25/2017	Riordan, Terry	Central	Lab			100 cond 171023