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: AE3 **Project:** SMP-Pilot Run + Everglades

Notes: (1) Numbers ≤4, are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
(2) Always wait for meter to stabilize before recording any readings.
(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 7/11/16

DO DEP SOP FT 1600	Name	Date	Time ET	Temp °C	DO chan mV	Meter DO mg/L	% DO	Probe Gain	Probe Chrg	Pass / Fail	Lab / Field
Calibr.	Brewton	8/17/16	8:00	22.8	8.6	8.6	100	58	1.2	P	L
ICV	"	"	8:02	22.8	8.6	8.6	100			P	L
CCV	Brewton	8/17/16	15:30	24.8	8.3	8.3	100			P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.
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; DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

SPC DEP SOP FT 1500	Name	Date	Time ET	Lot #	Exp Date	Solution Value	Meter Reading	Pass / Fail	Lab / Field
Calibr.	Brewton	8/17/16	8:03	2606603	2/18	1000	1000	P	L
ICV	"	"	8:05	2603883	~~12/17~~ 3/18	1000	101	P	L
CCV	Brewton	8/17/16	15:32	~~2606603~~ 2601525	12/17	5000	5005	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1700	Name	Date	Time ET	Lot #	Exp Date	pH Buffer	Meter Reading	mV	Pass / Fail	Lab / Field
Calibr.	Brewton	8/17/16	8:10	161850	4/18	7.0	7.0	-26	P	L
Calibr.	Brewton	"	8:11	161523	3/18	4.0	4.0	151	P	L
Calibr.	"	"	8:12	150700	10/17	10.0	10.0	-203	P	L
ICV	"	"	8:15	"	"	10.0	10.0		P	L
CCV	Brewton	8/17/16	15:35	161523	3/18	4.0	4.1		P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±50;
mV pH 10 Range -180±50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly) Date of Last Depth Verification 7/11/16

Depth Sensor (Daily)	Name	Date	Time ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Brewton	8/17/16	8:17	0.000	0.000	P	L

ICV acceptance criteria ±5 % or ±0.05m, whichever is greater

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

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

Meter ID: Lil. GUS **Project:** IRL / Brevard SMP

Notes: (1) Numbers ≤4, are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
(2) Always wait for meter to stabilize before recording any readings.
(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 6/13/16

DO DEP SOP FT 1600	Name	Date	Time ET	Temp °C	DO Charge	DO mg/L	% DO	Probe Gain	Pass Gain	Pass / Fail	Lab / Field
Calibr.	J. P.NS	8/16	8:37	23.6	8.5	8.5	100	52.3	1.16	P	L
ICV	" "	" "	8:39	23.7	8.5	8.5	100	52.3	—	P	L
CCV	Brewton	8/16/16	1500	26.6	8.0	8.0	100			P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.
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; DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

Spec Cond DEP SOP FT 1200	Name	Date	Time ET	Lot #	Exp Date	Standard µS/cm	Meter Reading µS/cm	Pass / Fail	Lab / Field
Calibr.	J. P.NS	8/16	8:40	2606003	2/18	1000	1000	P	L
ICV	" "	" "	8:42	2605C82	2/18	100	103	P	L
CCV	Brewton	8/16/16	1503	2606003	2/18	1000	1001	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time ET	Lot #	Exp Date	pH Buffer	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. P.NS	8/16	8:43	161856	4/18	7.0	7.0	-14.6	P	L
Calibr.	" "		8:45	161523	3/18	4.0	4.0	163.7	P	L
Calibr.			8:46	156700	10/17	10.0	10.0	-191.3	P	L
ICV	↓	↓	8:47	156700	10/17	10.0	10.0	-191.1	P	L
CCV	Brewton	8/16/16	1505	161523	3/18	4.0	4.2		P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±50;
mV pH 10 Range -180±50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly) Date of Last Depth Verification 6/13/16

Depth Sensor (Daily)	Name	Date	Time ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	J. P.NS	8/16	8:49	0.000	0.00	P	L

ICV acceptance criteria ±5 % or ±0.05m, whichever is greater