

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: 154179

RQ- 2023-08-28-12

Project: SMP-CM

- 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 6/29/23

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.	S. Slode	9/5/23	0710	22.4	761.3	8.7	8.70	100.2	—	1.102	(P) F	(L) F
ICV	S. Slode	9/5/23	0712	22.4	761.3	8.7	8.70	100.3	—	—	(P) F	(L) F
CCV	B. Olin	9/6/23	0710	29.0	761.3	8.4	8.4	96.4	—	—	(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.	S. Slode	9/5/23	0714	230627B	07/2024	10000	10000	(P) F	(L) F
ICV	S. Slode	9/5/23	0716	230627D	07/2024	50000	49767	(P) F	(L) F
CCV	B. Olin	9/6/23	0711	230627D	7/24	50,000	50,001	(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.	S. Slode	9/5/23	0718	1L0690	8/31/24	7.01	22.1	7.01	-29.0	(P) F	(L) F
Calibr.	S. Slode	9/5/23	0720	1LJ0499	12/15/23	4.00	22.0	4.00	143.5	(P) F	(L) F
Calibr.	S. Slode	9/5/23	0722	1LF0738	8/31/23	10.03	22.1	10.03	-194.0	(P) F	(L) F
ICV	S. Slode	9/5/23	0724	1LJ0499	12/15/23	4.00	22.0	4.03	141.1	(P) F	(L) F
CCV	B. Olin	9/6/23	0715	1LF0738	8/23	10	23.1	10.02	-190.6	(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 10 165.0, slope from 4 to 7 172.5 (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: 6/29/23

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	S. Slode	9/5/23	0725	0.00	0.00	(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:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

SPECIAL PROJECTS Field Sheet Lake Powell

July 2022

Meter
Passed End
of Day CCV

Yes / No

WIN Station Name:		Lake Powell West North of Yolo Park				Sample Date:		9/5/2023	
WIN / Field ID:	G3NW0250	ORG ID:	21FLPNS	ENR:		Latitude:	30.28468		
County:	WALTON	WBID:	1055A	LAKE		Longitude:	-85.99854		
Receiving Body of Water:		Gulf of Mexico				RQ-	2023-08-28-12		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
C. Stopher Slade	x		x		
Brook Olin		x		x	x

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe		Pole
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:		BFA	
Collection Method			
	Wading		Canoe/Kayak
	From Shore		Electric Motor
		x	Gasoline Motor
Depth Measured With Meter			

Water Level:	Normal
Flow:	NA
Matrix:	Marine
Tide Stage:	Falling
High Tide:	NA
Low Tide:	1230
Photos:	Yes
Meter ID:	154179 (ProDSS)
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 (PPTth)
CEN	1140	2	0.3	5.41	83.9	31.4	7.73	1.2	39630	25.12
	1145		1.5	2.38	37.7	31.8	7.58		43602	27.97

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						
Chlorophyll	CHLSUITE-W	ICE				
Physical/Aggregate Nutrients	ALKALINITY, TURBIDITY, W-F, W-TSS W-CL-IC, W-COLOR, W-SO4-IC, W-TDS	ICE				
Filtered Nutrients			Syringe Lot#; Filter Lot#:			
Acid Preserved Nutrients	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	ICE	H2SO4*	3013020	01/25/2024	H2SO4 pH<2
Metals						
Organics (LC)			MCAA***			
Macroinvertebrates						
Organics (GC)			*2.0 ml of H2SO4 Used Unless Noted Otherwise			
Molecular						
Periphyton						
Phytoplankton						
BOD						
DOC						
Other(s)			SyringeLot#		FilterLot#	
Field Comments:						
Comments on COC:						
Relinquish Date:	09/05/2023	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: (Initials/Date)

Save Field Sheets on Network: (Initials/Date)

Migrate Data to WIN: (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

SPECIAL PROJECTS Field Sheet Lake Powell

July 2022

Meter
Passed End
of Day CCV

Yes / No

WIN Station Name:	Lake Powell West				Sample Date:	9/5/2023	
WIN / Field ID:	G3NW0251	ORG ID:	21FLPNS	ENR:	Latitude:		30.28431
County:	WALTON	WBID:	1055A	LAKE	Longitude:		-86.0026
Receiving Body of Water:	Gulf of Mexico				RQ-	2023-08-28-12	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
C. Stopher Slade	x		x		
Brook Olin		x		x	x

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe		Pole
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:		BFA	
Collection Method			
	Wading		Canoe/Kayak
	From Shore		Electric Motor
		x	Gasoline Motor
Depth Measured With Meter			

Water Level:	Normal
Flow:	NA
Matrix:	Marine
Tide Stage:	Falling
High Tide:	NA
Low Tide:	1230
Photos:	Yes
Meter ID:	154179 (ProDSS)
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 (PPTth)
CEN	1155	1.7	0.3	5.14	78.8	31.7	7.46	1.2	34495	21.51
	1159		1.2	3.5	55.4	32.1	7.56		42900	27.38

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						
Chlorophyll	CHLSUITE-W	ICE				
Physical/Aggregate Nutrients	ALKALINITY, TURBIDITY, W-F, W-TSS	ICE				
	W-CL-IC, W-COLOR, W-SO4-IC, W-TDS	ICE				
Filtered Nutrients			Syringe Lot#; Filter Lot#:			
Acid Preserved Nutrients	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	ICE	H2SO4*	3013020	01/25/2024	H2SO4 pH<2
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Macroinvertebrates						
Organics (GC)			*2.0 ml of H2SO4 Used Unless Noted Otherwise			
Molecular						
Periphyton						
Phytoplankton						
BOD						
DOC						
			SyringeLot#		FilterLot#	
Other(s)						
Field Comments:						
Comments on COC:						
Relinquish Date:	09/05/2023	Signature:				

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