

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

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

Meter ID:

ISI#3

Project:

Oculanala

RQ-2016-12-12-21

- 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 10/2016

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.	J. Parn	12/15/16	700	22.3	8.69	8.69	100	65.5		P	L
ICV	L	L	705	22.4	8.67	8.63	99.4	65.5		P	L
CCV	N. Frederic	12/15/16	1345	21.88	8.77	8.67	98.6	67.4			
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. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	J. Parn	12/15/16	707	160616A	6/17	1000	1000	P	L
ICV	L	L	708	14132016	6/17	1000	1357	P	L
CCV	N. Frederic	12/15/16	1350	160616B	12/16	100	101	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

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.	J. Parn	12/15/16	709	2605918	6/18	7.0	7.0			L
Calibr.	L	L	710	2605918	4/18	4.0	4.0			L
Calibr.	L	L	712	2607973	1/18	10.0	10.0			L
ICV	L	L	715	2606607	6/18	7.0	7.05			L
CCV	N. Frederic	12/15/16	1355	2607973	1/18	10.0	10.2		P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Date: Field Id: 
Event: Date: 
Time: Time: G1NE0125 12152016

RQ# 2016-12-12-21
Meter # #3 x 51

Lab ID: Ocklawaha 0.75 N Dam
Storet: 
20020151

Matrix: Water ☒
Surface Fresh ☒
Surface Salt ☐
Effluent ☐

Comments

Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Vel. ft./ sec	Tide Ebb/ Flood Slack	Turb NTU	Initials Meter
0930	3.50	0.30	19.30	469	0.23	8.07	9.29	100.7	2.25	—	—	—	NF

Parameter	Preserved	Lot Number / Expire	Initials Preserve	Direct Grab, & pole (G)	Van Dorn Sample (S)	Composite sample (C)	# bottles	Suite A,B,C, etc.	Initials Sampler
Nutrients: NH ₃ , NO ₂ + NO ₃ , TKN, TOC, TP	Ice & H ₂ SO ₄ <2 pH	12/19/16 157449	AS	☒ G	☐ S	☐ C		A	
Ortho Phosphorous	Ice & .45µm filtered -			☒ G	☐ S	☐ C			
BOD/CBOD	Ice	N/A		☐ G	☐ S	☐ C			
Chlorophyll, Phaeophytin	Ice	N/A		☒ G	☐ S	☐ C			
Physical : TSS, TDS, Turb., Color, Alk, Cl, F, SO ₄	Ice	N/A		☒ G	☐ S	☐ C			
Metals: ICP, ICPMS	HNO ₃ <2 pH*			☐ G	☐ S	☐ C			
Other: Tox, BNA, Pest, O&G, AGP, CN, Macroinvertebrate, Sucralose	Ice/			☐ G	☐ S	☐ C			
Microbiol		N/A		☐ G	☐ S	☐ C			

Lab ID # Deep creek at 310
Storet: 
20020434

Matrix: Water ☒
Surface Fresh ☒
Surface Salt ☐
Effluent ☐

Comments

Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Vel. ft./ sec	Tide Ebb/ Flood Slack	Turb NTU	Initials Meter
0950	2.50	0.30	19.04	149	0.07	6.97	3.09	33.2	1.25	—	—	—	NF

Parameter	Preserved	Lot Number / Expire	Initials Preserve	Direct Grab, & pole (G)	Van Dorn Sample (S)	Composite sample (C)	# bottles	Suite A,B,C, etc.	Initials Sampler
Nutrients: NH ₃ , NO ₂ + NO ₃ , TKN, TOC, TP	Ice & H ₂ SO ₄ <2 pH	12/19/16 157449	AS	☒ G	☐ S	☐ C		A	
Ortho Phosphorous	Ice & .45µm filtered -			☒ G	☐ S	☐ C			
BOD/CBOD	Ice	N/A		☐ G	☐ S	☐ C			
Chlorophyll, Phaeophytin	Ice	N/A		☒ G	☐ S	☐ C			
Physical : TSS, TDS, Turb., Color, Alk, Cl, F, SO ₄	Ice	N/A		☒ G	☐ S	☐ C			
Metals: ICP, ICPMS	HNO ₃ <2 pH*			☐ G	☐ S	☐ C			
Other: Tox, BNA, Pest, O&G, AGP, CN, Macroinvertebrate, Sucralose	Ice/			☐ G	☐ S	☐ C			
Microbiology		N/A		☐ G	☐ S	☐ C			

Lab ID # Ockl. cable crossing
Storet: 
20020120FLA

Matrix: Water ☐
Surface Fresh ☐
Surface Salt ☐
Effluent ☐

Comments

Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Vel. ft./ sec	Tide Ebb/ Flood Slack	Turb NTU	Initials Meter
1010	5.0	0.30	19.02	563	0.27	7.82	9.36	100.7	2.5	—	—	—	NF

Parameter	Preserved	Lot Number / Expire	Initials Preserve	Direct Grab, & pole (G)	Van Dorn Sample (S)	Composite sample (C)	# bottles	Suite A,B,C, etc.	Initials Sampler
Nutrients: NH ₃ , NO ₂ + NO ₃ , TKN, TOC, TP	Ice & H ₂ SO ₄ <2 pH	12/19/16 157446	2P	☒ G	☐ S	☐ C		A	

Date: 12/15/16

Event Name

Field Id :

Date:

Time:

G1NE008412152016

Rodman 100 W
CM 39

Storet:

20020110FLA

Meter # YSI #3

Lab ID #	S							Matrix: Water Surface Fresh ☒ Surface Salt ☐ Effluent ☐			Comments			
Time	depth(m)	depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Vel. ft./sec	Tide Ebb/Flood Slack	Turb NTU	Initials Meter	
1025	5.0	0.30	20.07	582	0.28	7.59	8.05	88.9	4.0	—	—	—	NF	
Parameter				Preserved		Lot Number / Expire	Initials Preserve	Direct Grab, & pole (G)	Van Dorn Sample (S)	Composite sample (C)	# bottles	Suite A,B,C, etc.	Initials Sampler	
Nutrients: NH ₃ , NO ₂ +NO ₃ , TKN, TOC, TP				Ice & H ₂ SO ₄ <2 pH		12/19/16	JS	☒ G	☐ S	☐ C		A		
Ortho Phosphorous				Ice & .45µm filtered -				☒ G	☐ S	☐ C				
BOD/CBOD				Ice		N/A		☐ G	☐ S	☐ C				
Chlorophyll, Phaeophytin				Ice		N/A		☒ G	☐ S	☐ C				
Physical: TSS, TDS, Turb., Color, Alk, Cl, F, SO ₄				Ice		N/A		☒ G	☐ S	☐ C				
Metals: ICP, ICPSMS				HNO ₃ <2 pH*				☐ G	☐ S	☐ C				
Other: Tox, BNA, Pest, O&G, AGP, CN, Macroinvertebrate, Sucralose				Ice/				☐ G	☐ S	☐ C				
Microbiology: Fecal Coliform / E Coli				Ice		N/A		☐ G	☐ S	☐ C				

Field Id :

Date:

Time:

G1NE0088 12152016

Ockl. 100m NE
CM100

Storet:

20020114FLA

Lab ID #	S							Matrix: Water Surface Fresh ☒ Surface Salt ☐ Effluent ☐			Comments			
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Vel. ft./sec	Tide Ebb/Flood Slack	Turb NTU	Initials Meter	
1045	5.5	0.30	21.61	533	0.24	7.53	4.88	55.4	5.5	—	—	—	NF	
Parameter				Preserved		Lot Number / Expire	Initials Preserve	Direct Grab, & pole (G)	Van Dorn Sample (S)	Composite sample (C)	# bottles	Suite A,B,C, etc.	Initials Sampler	
Nutrients: NH ₃ , NO ₂ +NO ₃ , TKN, TOC, TP				Ice & H ₂ SO ₄ <2 pH		12/19/16	JS	☒ G	☐ S	☐ C		A		
Ortho Phosphorous				Ice & .45µm filtered -				☒ G	☐ S	☐ C		A		
BOD/CBOD				Ice		N/A		☒ G	☐ S	☐ C		A		
Chlorophyll, Phaeophytin				Ice		N/A		☒ G	☐ S	☐ C		A		
Physical: TSS, TDS, Turb., Color, Alk, Cl, F, SO ₄				Ice		N/A		☒ G	☐ S	☐ C		A		
Metals: ICP, ICPSMS				HNO ₃ <2 pH*				☐ G	☐ S	☐ C				
Other: Tox, BNA, Pest, O&G, AGP, CN, Macroinvertebrate, Sucralose				Ice/				☐ G	☐ S	☐ C				
Microbi:				N/A				☐ G	☐ S	☐ C				

Field Id :

Date:

Time:

G1NE0029 12152016

Orange cr.
at SR 315

Storet:

20020006

Lab ID							Matrix: Water Surface Fresh ☒ Surface Salt ☐ Effluent ☐			Comments			
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Vel. ft./sec	Tide Ebb/Flood Slack	Turb NTU	Initials Meter
1135	0.37	0.20	20.10	152	0.07	7.34	6.05	66.4	0.37	—	—	—	NF
Parameter				Preserved		Lot Number / Expire	Initials Preserve	Direct Grab, & pole (G)	Van Dorn Sample (S)	Composite sample (C)	# bottles	Suite A,B,C, etc.	Initials Sampler
Nutrients: NH ₃ , NO ₂ +NO ₃ , TKN, TOC, TP				Ice & H ₂ SO ₄ <2 pH		12/19/16	JS	☒ G	☐ S	☐ C		A	