

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: The One RQ: 2023-08-07-14 Project: BWAP: C. Grossa Creek

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 7/17/23

DO	DEF SOP	Name	Date	Time	Temp	Baro	D.O.	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
FT 1500				CT-ET	°C	mmHg	Chart	D.O.	mg/L		Charge	Gain		
Calibr.		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>648</u>	<u>20.8</u>	<u>761.0</u>	<u>8.96</u>	<u>9.11</u>	<u>100.1</u>				<u>1.033</u>	<u>10.33</u>
ICV		<u>"</u>	<u>"</u>	<u>651</u>	<u>21.1</u>	<u>760.9</u>	<u>8.91</u>	<u>8.98</u>	<u>100.9</u>					
CCV		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>1538</u>	<u>26.9</u>	<u>761.6</u>	<u>8.00</u>	<u>8.00</u>	<u>100.1</u>					
CCV		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>1544</u>	<u>230267</u>	<u>2500</u>	<u>102.1</u>							
CCV		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>1544</u>	<u>230267</u>	<u>2500</u>	<u>102.1</u>							

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.	Name	Date	Time	Lot #	Expir.	Standard	Meter	Reading	Pass	Lab
FT 1200				CT-ET			µmhos/cm	µmhos/cm			
Calibr.		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>655</u>	<u>2302567</u>	<u>02/25</u>	<u>2500</u>				
ICV		<u>"</u>	<u>"</u>	<u>657</u>	<u>2302178</u>	<u>02/24</u>	<u>100</u>				
CCV		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>1544</u>	<u>230267</u>	<u>02/25</u>	<u>2500</u>				
CCV		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>1544</u>	<u>230267</u>	<u>02/25</u>	<u>2500</u>				

Conductivity Acceptance criteria ± 5%

pH	DEF SOP	Name	Date	Time	Lot #	Expir.	pH	Temp	Meter	MV	Pass	Lab
FT 1100				CT-ET			Buffer	°C	reading	SU		
Calibr.		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>700</u>	<u>2302178</u>	<u>08/24</u>	<u>7.01</u>	<u>20.8</u>	<u>7.02</u>	<u>-46.6</u>	<u>0.1</u>	<u>0.1</u>
Calibr.		<u>"</u>	<u>"</u>	<u>701</u>	<u>2306070</u>	<u>12/24</u>	<u>4.01</u>	<u>20.8</u>	<u>4.00</u>	<u>130.4</u>	<u>0.1</u>	<u>0.1</u>
Calibr.		<u>"</u>	<u>"</u>	<u>704</u>	<u>2306070</u>	<u>12/24</u>	<u>10.04</u>	<u>20.4</u>	<u>10.05</u>	<u>-21.6</u>	<u>0.1</u>	<u>0.1</u>
ICV		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>706</u>	<u>2306070</u>	<u>12/24</u>	<u>4.01</u>	<u>21.0</u>	<u>3.99</u>		<u>0.1</u>	<u>0.1</u>
CCV		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>1546</u>	<u>2306070</u>	<u>12/24</u>	<u>10.05</u>	<u>21.4</u>	<u>10.00</u>		<u>0.1</u>	<u>0.1</u>
CCV		<u>Samanta Gelineas</u>	<u>8/14/23</u>	<u>1546</u>	<u>2306070</u>	<u>12/24</u>	<u>10.05</u>	<u>21.4</u>	<u>10.00</u>		<u>0.1</u>	<u>0.1</u>

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50; If mV are recorded: slope from 7 to 10 165 slope from 4 to 7 177 (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: 2/1/23 Unique ID: Slippery Oaks Date of last verification: 2/1/23

Depth Sensor	(Daily Calibration & ICV)	Name	Date	Time	Calibrated	Offset, meters	ICV Value, meters	Pass	Lab
					CT-ET	Value (0.00 or Offset), meters			

COMMENTS:

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5% or ± 0.05m, whichever is greater.