

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

boldly "X" in box if there qualified date this none.

Meter ID: H.6 DOR NO: 208-02-12-11 Project: SMP

- 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 04/04/18

DO	Name	Date	Time	Temp	DO	Temp	DO	Temp	DO	Temp	Pass	Lab
DOF SOP FT 1500												
Calibr.	<u>Alex M. in</u>	<u>4/18/18</u>	<u>8:16</u>	<u>22.0</u>	<u>8.7</u>	<u>8.79</u>	<u>100</u>		<u>1.05</u>		<u>P/F</u>	<u>L/F</u>
ICV		<u>4/18/18</u>	<u>8:20</u>	<u>22.1</u>	<u>8.7</u>	<u>8.8</u>	<u>100</u>				<u>P/F</u>	<u>L/F</u>
CCV	<u>Matt Sewell</u>	<u>4/18/18</u>	<u>1700</u>	<u>24.3</u>	<u>8.37</u>	<u>8.4</u>	<u>100.6</u>				<u>P/F</u>	<u>L/F</u>
CCV											<u>P/F</u>	<u>L/F</u>

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.

SP-4	Name	Date	Time	Temp	Scale	Standard	Meter	Pass	Lab
COND									
Calibr.	<u>Alex M. in</u>	<u>4/18/18</u>	<u>8:22</u>	<u>27.1453</u>	<u>10/19</u>	<u>1000</u>	<u>1003</u>	<u>P/F</u>	<u>L/F</u>
ICV		<u>4/18/18</u>	<u>8:24</u>	<u>27.10781</u>	<u>9/19</u>	<u>100</u>	<u>101.4</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>Matt Sewell</u>	<u>4/18/18</u>	<u>1700</u>	<u>160091</u>	<u>9/19</u>	<u>100,000</u>	<u>10583</u>	<u>P/F</u>	<u>L/F</u>
CCV								<u>P/F</u>	<u>L/F</u>

Conductivity Acceptance criteria $\pm 5\%$

DO	Name	Date	Time	Temp	Expire	pH	Meter	mV	Pass	Lab
DOF SOP FT 1400										
Calibr.	<u>Alex M. in</u>	<u>4/18/18</u>	<u>8:26</u>	<u>174544</u>	<u>6/19</u>	<u>7.0</u>	<u>7.0</u>	<u>-8.1</u>	<u>P/F</u>	<u>L/F</u>
Calibr.	<u>"</u>	<u>4/18/18</u>	<u>8:28</u>	<u>177239</u>	<u>10/19</u>	<u>4.0</u>	<u>3.9</u>	<u>171.2</u>	<u>P/F</u>	<u>L/F</u>
Calibr.	<u>"</u>	<u>4/18/18</u>	<u>8:32</u>	<u>176507</u>	<u>9/19</u>	<u>10.0</u>	<u>10.0</u>	<u>-85.3</u>	<u>P/F</u>	<u>L/F</u>
ICV		<u>4/18/18</u>	<u>8:34</u>	<u>176507</u>	<u>9/19</u>	<u>10.0</u>	<u>10.0</u>	<u>-183.2</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>Matt Sewell</u>	<u>4/18/18</u>	<u>1700</u>	<u>177239</u>	<u>10/19</u>	<u>4.0</u>	<u>4.6</u>	<u>171.9</u>	<u>P/F</u>	<u>L/F</u>
CCV									<u>P/F</u>	<u>L/F</u>

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 10 175.1, slope from 4 to 7 179.8 (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 04/04/18

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass /	Lab /
(Daily Calibration & ICV)				Value (0.00 or Offset), meters	meters	Fail	Field
Pressure mode in air	<u>Alex M. in</u>	<u>4/18/18</u>	<u>8:36</u>	<u>0.00</u>	<u>0.0</u>	<u>P/F</u>	<u>L/F</u>

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

COMMENTS: