

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

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

Meter ID: F. 200 RQ: 2021-11-01-59 Project: Peaco River abv Horse 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 11/30/21

| Calibr.                                              | ICV                                       | CCV                                                  | CCV | P/F | L/F |
|------------------------------------------------------|-------------------------------------------|------------------------------------------------------|-----|-----|-----|
| Thomas Baker 12/15/21 0653 23.8 762.9 8.4 8.48 100.4 | " 12/15/21 0659 23.8 762.9 8.4 8.48 100.4 | Thomas Baker 12/15/21 1517 23.9 760.4 8.4 8.47 100.4 |     | P/F | L/F |
|                                                      |                                           |                                                      |     |     |     |

DO Acceptance criteria from Table  $\pm 0.3$  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.

| Calibr.                                           | ICV                                   | CCV                                               | CCV | P/F | L/F |
|---------------------------------------------------|---------------------------------------|---------------------------------------------------|-----|-----|-----|
| Thomas Baker 12/15/21 0655 1109698 8123 2500 2500 | " 12/15/21 0657 2109687 9123 100 99.1 | Thomas Baker 12/15/21 1519 1108698 9123 2500 2508 |     | P/F | L/F |
|                                                   |                                       |                                                   |     |     |     |

Conductivity Acceptance criteria  $\pm 5\%$

| Calibr.                                                | Calibr.                                     | Calibr.                                       | ICV                                                    | CCV                                                      | CCV | P/F | L/F |
|--------------------------------------------------------|---------------------------------------------|-----------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|-----|-----|-----|
| Thomas Baker 12/15/21 0654 2107600 7123 7.00 24.0 7.00 | " 12/15/21 0700 2109038 8123 4.01 24.1 4.00 | " 12/15/21 0702 2109176 3123 10.02 24.2 10.01 | Thomas Baker 12/15/21 0704 2109038 8123 4.01 24.1 4.00 | Thomas Baker 12/15/21 1521 2109176 3123 10.03 23.2 10.04 |     | P/F | L/F |
|                                                        |                                             |                                               |                                                        |                                                          |     |     |     |

pH Acceptance criteria  $\pm 0.2$  SU;

mV pH 7 Range  $0 \pm 50$ ;

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

mV pH 10 Range  $-180 \pm 50$ ;

If mV are recorded: slope from 7 to 10 \_\_\_\_\_, slope from 4 to 7 \_\_\_\_\_ (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: \_\_\_\_\_

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DEEPER BLK Date of last verification: 08/16/21

Pressure mode in air

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

COMMENTS:

P/F L/F