

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

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

Meter ID: 13 YSI 600 XCM

September 2008 GENERAL version

Date 5-7-13 Calibration Time: 7:16 Project Name: Middle Santa Fe River Nutrient Fate Santa Fe Nutrient Study

All Times Are: ETZ or CTZ (circle one)

Circle/Fill In: Lab Calibration or Calibration on Site

Temperature (Monthly)

Date of Last Temperature Verification 5-1

Ice Bath: Probe 10.8 °C NIST 10.9 °C Warm Bath: Probe 42.6 °C NIST 42.7 °C

Pass or Fail
P F

Dissolved Oxygen

In Calibrate Mode

Initial Reading: 8.94 mg/L @ Temp. 19.9 °C % DO 98.2 P F

Calibrated Reading: 9.12 mg/L @ Temp. 19.9 °C % DO 100.0 P F

In Run Mode

Initial Calib. Verification: 9.15 mg/L @ Temp. 19.7 °C % DO 100.1 P F

Specific Conductance

In Calibrate Mode

Exp. Date	Lot #	Standard	Initial Reading	Calibrated Reading
<u>5/14</u>	<u>2211234</u>	<u>1000</u> µmhos/cm	<u>1004</u> µmhos/cm	<u>1000</u> <u>P</u> F

In Run Mode

Exp. Date	Lot #	Standard	Initial Reading	Calibrated Reading
<u>11/13</u>	<u>1205241</u>	<u>100</u> µmhos/cm	<u>102</u> µmhos/cm	<u>P</u> F

pH

Standard	Exp. Date	Lot #	Initial Reading	Temperature	Calibrated Reading	Temperature
7.0 SU	<u>03/14</u>	<u>121302</u>	<u>7.0</u> SU	<u>20.4</u> °C	<u>7.0</u> SU	<u>20.4</u> °C <u>P</u> F
4.0 SU	<u>9/14</u>	<u>126018</u>	<u>4.0</u> SU	<u>20.3</u> °C	<u>4.0</u> SU	<u>20.3</u> °C <u>P</u> F
10.0 SU	<u>3/14</u>	<u>121303</u>	<u>10.0</u> SU	<u>20.5</u> °C	<u>10.0</u> SU	<u>20.4</u> °C <u>P</u> F

In Calibrate Mode

In Run Mode

Initial Calib. Verification: 7 SU 3/14 121302 7.0 SU 20.4 °C P F

Maintenance: Weekly PH Slope: _____ Specific Conductance Probe Cleaned? Y N
Notes: Dissolved Oxygen Membrane Changed? Y N

7 - 17.6 pHmV
4 - 157.0 pHmV
10 - 190.3 pHmV

Site ID:

Project:

MSFMW19

MSFMW18

MSFMW14

MSFMW14

Chris Green

Print name of person performing calibrations.

Acceptance Criteria: (DO ±0.3mg/l) (Specific Conductance ± 5%) (pH ± 0.2SU) (Temperature ±0.5°C) Warm bath Appx. 40°C
Record Temperature and pH to 1 decimal place; D.O. to 2 decimal places