Form FD9000-8 **CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)** *11-10-05*

Project/Site: SMP LAKES Date: 4/5/16 Meter # DEP 132237

Temperature (Quarterly) *For Date of Last Temperature Verification see* _____ *in log book* _____

Dissolved Oxygen — DEP SOP FT 1500

Acceptance Criteria: +/-0.3mg/l

	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation mg/L (from chart)	Pass or Fail
CAL ICV (CCV)	m	4/5	0730			8.7	22.4	100	8.677	(P) F
CAL ICV (CCV)	m	4/6	0745			8.8	22.2	101	8.710	(P) F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F

Specific Conductance — DEP SOP FT 1200

Acceptance Criteria: +/- 5%

	Initials	Date	Time	Standard µmhos/cm	Exp. Date	Lot #	Bottle #	Cell Constant	Reading µmhos/cm	Pass or Fail
(CAL) ICV CCV	m	4/5	0732	10000	06/17	2507505			10000	P F
CAL (ICV) CCV	↓	↓	0733	100	11/17	2511994			103	(P) F
CAL ICV (CCV)	m	4/6	0750	1413	7/8/16	KCL 16-2			1407	(P) F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F

pH — DEP SOP FT 1100

Acceptance Criteria: +/- 0.2 SU

	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	mV / Slope	Reading SU	Pass or Fail
(CAL) ICV CCV	m	4/5	0735	7	5/16	4405608		-20.3	7.0	P F
(CAL) ICV CCV	↓	↓	0736	4	07/17	2507749		157.2	4.0	P F
(CAL) ICV CCV	↓	↓	0737	10	06/16	2504462		-191.4	10.0	P F
CAL (ICV) CCV	↓	↓	0739	4	07/17	2507749			4.0	(P) F
CAL ICV (CCV)	m	4/6	0755	10	04/16	2501462		-193.4	10.0	(P) F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F

Maintenance: Weekly pH Slope: _____ Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed: Yes No

Notes:

Perform only in Calibrate Mode: **CAL** - Calibrate
Perform only in Run Mode: **ICV** - Initial Calibration Verification
Perform only in Run Mode: **CCV** - Continuing Calibration Verification

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000) 07-02-14 B.R.

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

Project/Site: NWF-ROC SMP Baker Date: 4/5/16 Meter #: ~~YSI 556 MPS; DEP 193663~~ 13529

Temperature (Quarterly): For Date of Last Temperature Verification see _____ in log book _____

Dissolved Oxygen

DEP SOP FT 1500

	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation mg/L from chart	Pass or Fail
								Acceptance Criteria: +/- 0.3 mg/l		
CAL ICV (CCV)	NM	4/5/16	0815			8.40	22.5	96.4	8.060	(P) F
CAL ICV (CCV)	RA	4/5/16	1700			8.4	23243	100	8.371	(P) F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F
										P F

Specific Conductance

DEP SOP FT 1200

	Initials	Date	Time	Standard µmhos/cm	Exp. Date	Lot #	Bottle #	Cell Constant	Reading µmhos/cm	Pass or Fail
								Acceptance Criteria: +/- 5%		
(CAL) ICV CCV	NM	4/5/16	0815	1413	7/8/16	KCl ku-2			1413	P F
CAL (ICV) CCV				100	11/17	2511594			104	(P) F
CAL ICV (CCV)	RA	4/5/16	1705	1413	7/8/16	KCl 16-2			1424	(P) F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F

pH

DEP SOP FT 1100

	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	Slope	Reading SU	Pass or Fail
								Acceptance Criteria: +/- 0.2 SU		
(CAL) ICV CCV	NM	4/5/16	0815	7	6/16	4045608		-39.2	7.0	P F
CAL ICV CCV	↓	↓	↓	4	7/17	2507749			4.0	P F
CAL (ICV) CCV	↓	↓	↓	10	10/16	2501402			10.0	P F
CAL ICV (CCV)	RA	4/5/16	1710	7	6/16	4045608		-39.0	7.12	(P) F
CAL ICV CCV					7/17	2507749			4.1	(P) F
CAL ICV CCV										P F
CAL ICV CCV										P F
CAL ICV CCV										P F

Maintenance: Weekly pH Slope: _____ Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

Notes: new batteries installed NM

Perform only in Calibrate Mode: **CAL** - Calibrate
Perform only in Run Mode: **ICV** - Initial Calibration Verification
Perform only in Run Mode: **CCV** - Continuing Calibration Verification