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

Meter # **DEP 132237**

Date: 10/10/12

Project/Site: RD-2016-10-10-52

For Date of Last Temperature Verification see in log book

Temperature (Quarterly)	DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation mg/L (from chart)	Pass or Fail
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Dissolved Oxygen											
CAL	ICV	CCV	<u>W</u>	<u>10/12</u>	<u>0730</u>		<u>8.5</u>	<u>23.4</u>	<u>100.0</u>	<u>8.5/4</u>	P
CAL	ICV	CCV	<u>W</u>	<u>10/13</u>	<u>1030</u>		<u>8.6</u>	<u>22.6</u>	<u>100</u>	<u>8.6/4</u>	P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P

Specific Conductance										
DEP SOP FT 1200	Initials	Date	Time	Standard μ mhos/cm	Exp. Date	Lot #	Bottle #	Cell Constant	Reading μ mhos/cm	Pass or Fail

Acceptance Criteria: +/- 5%											
<u>CAL</u>	ICV	CCV	<u>W</u>	<u>10/12</u>	<u>0735</u>	<u>12900</u>	<u>10/14/17</u>	<u>KCL 16.6</u>	<u>12900</u>	P	F
<u>CAL</u>	<u>ICV</u>	CCV	<u>↓</u>	<u>↓</u>	<u>0734</u>	<u>1413</u>	<u>7/14/17</u>	<u>KCL 16.5</u>	<u>1416</u>	<u>P</u>	F
<u>CAL</u>	ICV	<u>CCV</u>	<u>W</u>	<u>10/13</u>	<u>0735</u>	<u>1600</u>	<u>11/20/17</u>	<u>W7.5 25.11994</u>	<u>102</u>	<u>P</u>	F
<u>CAL</u>	ICV	CCV								P	F
<u>CAL</u>	ICV	CCV								P	F
<u>CAL</u>	ICV	CCV								P	F
<u>CAL</u>	ICV	CCV								P	F
<u>CAL</u>	ICV	CCV								P	F

DEP SOP FT 1100	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	mV / Slope	Reading SU	Pass or Fail
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Acceptance Criteria: +/- 0.2 SU											
CAL	ICV	CCV	W	10/12	0740	7	05/20/18	-31.3	1.0	P	F
CAL	ICV	CCV	↓	↓	0741	4	03/20/18	143.8	4.0	P	F
CAL	ICV	CCV	↓	↓	0742	10	10/20/18	-202.4	10.0	P	F
CAL	ICV	CCV	↓	↓	0743	4	03/20/18	4.0	4.0	P	F
CAL	ICV	CCV	W	10/13	1040	16		-199.3	10.0	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

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

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if there is qualified
data on this page.

Project/Site: REF UKTS / DUNE FORD LAKE Date: 10-12-2016

Meter # DEP 113529

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	Temp °C	% DO	Saturation mg/L (from chart)	Pass or Fail
CAL ICV CCV		<u>FS</u>	<u>10-12-16</u>	<u>8:30</u>			<u>23.1</u>	<u>99.4</u>	<u>8.51</u>	<u>P</u>
CAL ICV CCV										<u>P</u>
CAL ICV CCV										<u>P</u>
CAL ICV CCV		<u>FS</u>	<u>10-13-16</u>	<u>7:45</u>			<u>23.0</u>	<u>99.0</u>	<u>8.58</u>	<u>P</u>
CAL ICV CCV										<u>P</u>
CAL ICV CCV										<u>P</u>
CAL ICV CCV										<u>P</u>

Acceptance Criteria: $\pm 0.3 \text{ mg/L}$

Specific Conductance	DEP SOP FT 1200	Initials	Date	Time	Standard $\mu\text{mhos/cm}$	Exp. Date	Lot #	Bottle #	Cell Constant	Reading $\mu\text{mhos/cm}$	Pass or Fail
CAL ICV CCV		<u>FS</u>	<u>10/12/16</u>	<u>8:30</u>	<u>1413</u>	<u>7-14-17</u>	<u>KCL 16-5</u>			<u>1413</u>	<u>P</u>
CAL ICV CCV		<u>FS</u>	<u>10/12/16</u>	<u>↓</u>	<u>100</u>	<u>11/20/17</u>	<u>2511994</u>	<u>6</u>	<u>800</u>	<u>79</u>	<u>P</u>
CAL ICV CCV											<u>P</u>
CAL ICV CCV		<u>FS</u>	<u>10/13/16</u>	<u>8:45</u>	<u>100</u>	<u>11/20/17</u>	<u>2511994</u>	<u>6</u>		<u>102</u>	<u>P</u>
CAL ICV CCV											<u>P</u>
CAL ICV CCV											<u>P</u>
CAL ICV CCV											<u>P</u>

Acceptance Criteria: $\pm 5\%$

pH	DEP SOP FT 1100	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	mV / Slope	Reading SU	Pass or Fail
CAL ICV CCV		<u>FS</u>	<u>10/12/16</u>	<u>8:30</u>	<u>7.0</u>	<u>5/20/17</u>	<u>25066518</u>			<u>7.0</u>	<u>P</u>
CAL ICV CCV		<u>↑</u>	<u>10/12/16</u>	<u>↓</u>	<u>10.0</u>	<u>10/20/17</u>	<u>1605346</u>			<u>10.0</u>	<u>P</u>
CAL ICV CCV		<u>↑</u>	<u>10/13/16</u>	<u>↓</u>	<u>4.0</u>	<u>10/23/2010</u>	<u>2603491</u>			<u>4.0</u>	<u>P</u>
CAL ICV CCV		<u>↑</u>	<u>10/13/16</u>	<u>↓</u>	<u>7.0</u>	<u>5/20/17</u>	<u>25066518</u>			<u>7.05</u>	<u>P</u>
CAL ICV CCV											<u>P</u>
CAL ICV CCV		<u>FS</u>	<u>10/13/16</u>	<u>8:45</u>	<u>4.0</u>	<u>3/20/18</u>	<u>2603491</u>			<u>4.06</u>	<u>P</u>
CAL ICV CCV											<u>P</u>
CAL ICV CCV											<u>P</u>
CAL ICV CCV											<u>P</u>

Acceptance Criteria: $\pm 0.2 \text{ SU}$

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

Notes: FC: 2016-08-15-59