

**Real-Time Water Quality Monitoring Network
Calibration and Maintenance Schedule
ECC Stations – Churchill River**

The water quality probe is periodically removed to undergo necessary maintenance and calibration. Some of these removals are necessary to perform scheduled maintenance while others may be done in response to sudden fouling of the sensors or loss of calibration.

The maintenance/calibration process involves removing the water quality probe from the water body for cleaning, replacement of sensors and fluids, calibration and testing in a temperature-controlled laboratory. This usually takes place over a period of two days but may take longer for specific sites or to address unique problems.

NF03OE0054 – Churchill River at English Point

Item Number	Date and time instrument was removed (mm/dd/yy)		Date and time instrument was reinstalled (mm/dd/yy)		Reason	Remarks
1			05/27/11	20:21		Initial installation after winter months
2	06/29/11	17:00	06/29/11	17:00	Maintenance/Calibration	
3	08/03/11	8:50	08/03/11	8:55	Maintenance/Calibration	
4	09/01/11	8:00	09/01/11	8:00	Maintenance/Calibration	
5	10/05/11	13:00	10/05/11	13:00	Maintenance/Calibration	
6	11/02/11	20:00			Winter Removal	Removed for winter months
7			06/29/12	17:10		Initial installation after winter months
8	07/25/12	11:45	07/25/12	11:45	Maintenance/Calibration	
9	08/22/12	11:30	08/22/12		Maintenance/Calibration	
10	09/26/12	12:20	09/26/12	12:20	Maintenance/Calibration	
11	11/01/12	13:30			Winter Removal	Removed for winter months
12			05/24/13	11:00		Initial installation after winter months
13	06/27/13	11:10	06/27/13	11:10	Maintenance/Calibration	
14	08/13/13	10:00	08/13/13	10:00	Maintenance/Calibration	
15	09/12/13	14:00	09/12/13	15:00	Maintenance/Calibration	
16	10/11/13	13:30	10/11/13	13:30	Maintenance/Calibration	
17	11/08/13	12:00			Winter Removal	Removed for winter months
18			05/29/14	17:10		Initial installation after winter months
19	06/25/14	18:00	06/25/14	18:00	Maintenance/Calibration	
20	07/23/14	12:35	07/23/14	11:30	Maintenance/Calibration	

21	08/14/14	11:00	08/14/14	11:00	Maintenance/Calibration	
22	10/01/14	12:00	10/01/14	12:05	Maintenance/Calibration	
23	11/05/14	13:00			Winter Removal	Removed for winter months
24			05/27/15	13:45		Initial installation after winter months
25	06/25/15	11:00	06/25/15	11:20	Maintenance/Calibration	
26	08/05/15	12:00	08/05/15	12:15	Maintenance/Calibration	
27	09/02/15	11:50	09/02/15	12:15	Maintenance/Calibration	
28	10/01/15	11:10	10/01/15	11:20	Maintenance/Calibration	
29	11/06/15	11:45			Winter Removal	Removed for winter months
30			05/25/16	15:20		Initial installation after winter months
31	06/30/16	10:41	06/30/16	11:00	Maintenance/Calibration	
32	08/04/16	13:00	08/04/16	12:20	Maintenance/Calibration	
33	09/20/16	14:45	09/20/16	15:00	Maintenance/Calibration	
34	11/08/16	10:20			Winter Removal	Removed for winter months
35			07/06/17	10:00		Initial installation after winter months
36	08/10/17	14:30	08/10/17	14:50	Maintenance/Calibration	
37	09/27/17	10:30	09/27/17	10:40	Maintenance/Calibration	
38	11/01/17				Winter Removal	Removed for winter months
39			05/29/18	12:00		Initial installation after winter months
40	07/10/18	13:00	07/10/18	13:30	Maintenance/Calibration	
41	08/29/18	15:35	08/29/18	15:45	Maintenance/Calibration	
42	09/26/18	10:05	09/26/18	10:15	Maintenance/Calibration	
43	10/31/18	9:30			Winter Removal	Removed for winter months
44			05/28/19	14:50		Initial installation after winter months
45	07/09/19	12:30	07/09/19	12:50	Maintenance/Calibration	
46	09/04/19	11:30	09/04/19	11:35	Maintenance/Calibration	
47	10/04/19	15:00	10/04/19	15:10	Maintenance/Calibration	
48	10/30/19	10:00			Winter Removal	Removed for winter months
49			06/29/20	16:30		Initial installation after winter months
50	08/14/20	10:40	08/14/20	11:00	Maintenance/Calibration	
51	09/23/20	10:45	09/23/20	11:00	Maintenance/Calibration	
52	11/04/20	13:00			Winter Removal	Removed for winter months

NF03QA0047 – Lake Melville East of Little River

Item Number	Date and time instrument was removed (mm/dd/yy)		Date and time instrument was reinstalled (mm/dd/yy)		Reason	Remarks
1			05/27/11	18:15		Initial installation after winter months
2	06/30/11	08:53	06/30/11	10:17	Maintenance/Calibration	
3	08/03/11	07:53	08/03/11	08:00	Maintenance/Calibration	
4	09/02/11	20:00				Instrument removed due to damage from surf action
5			06/29/12	16:20		Initial installation after winter months
6	07/25/12	10:16	07/25/12	10:20	Maintenance/Calibration	
7	08/22/12	10:45	08/22/12	10:45	Maintenance/Calibration	
8	09/26/12	11:25	09/26/12	11:25	Maintenance/Calibration	
9	10/24/12					Instrument removed for winter months
** Water quality instrument not deployed for 2013 or 2014 field seasons due to unsuitable deployment options; will reinvestigate and aim for redeployment in 2015 field season **						
** Water quality instrument was deployed in a buoy on Lake Melville from July 2015 to November 2015; the buoy sustained significant damage**						
** Water quality instrument was deployed in buoy on Lake Melville from July 2016 to Sept 2016 **						
** Water quality instrument was not deployed in buoy on Lake Melville in 2017 field season **						
Water quality instrument was not deployed in buoy on Lake Melville in 2018 field season						
Water quality instrument was not deployed in buoy on Lake Melville in 2019 field season						
Water quality instrument was not deployed in buoy on Lake Melville in 2020 field season						