



**Real-Time Water Quality Monitoring Network
Calibration and Maintenance Schedule
Labrador Iron Mines Ltd.**

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.

NF03OB0037 – Unnamed Tributary below Settling Pond

Item Number	Date and time instrument was removed (mm/dd/yy)		Date and time instrument was reinstalled (mm/dd/yy)		Reason	Remarks
1			06/04/11	15:35		Initial installation after winter months
2	07/15/11	18:15	07/16/11	13:10	Maintenance/Calibration	
3	08/13/11	9:30	08/13/11	16:15	Maintenance/Calibration	
4	09/19/11	10:40	09/19/11	19:00	Maintenance/Calibration	
5	10/16/11	15:15				Removed for the winter months
6			06/06/12	18:55		Initial installation after winter months
7	07/14/12	09:30	07/14/12	15:40	Maintenance/Calibration	
8	08/21/12	19:45	08/22/12	16:05	Maintenance/Calibration	
9	09/26/12	12:05	09/26/12	18:10	Maintenance/Calibration	
10	10/24/12	17:10				Removed for the winter months
11			06/04/13	09:10		Initial installation

						after winter months
12	07/01/13	16:45	07/02/13	18:15	Maintenance/Calibration	
13	08/05/13	17:00	08/06/13	09:15	Maintenance/Calibration	
14	09/10/13	10:00	09/10/13	10:20	Maintenance/Calibration	
15	10/07/13	16:20				Removed for the winter months
Station discontinued; was not redeployed in spring 2014; no flow.						



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NF03OB0038 – James Creek above Bridge

Item Number	Date and time instrument was removed (mm/dd/yy)		Date and time instrument was reinstalled (mm/dd/yy)		Reason	Remarks
1			06/04/11	14:50		Initial installation after winter months
2	07/15/11	17:45	07/16/11	11:00	Maintenance/Calibration	
3	08/13/11	10:10	08/13/11	17:05	Maintenance/Calibration	
4	09/19/11	10:10	09/19/11	18:20	Maintenance/Calibration	
5	10/16/11	14:00				Removed for the winter months
6			06/06/12	15:44		Initial installation after winter months
7	07/14/12	10:15	07/14/12	16:45	Maintenance/Calibration	
8	08/21/12	21:10	08/22/12	15:15	Maintenance/Calibration	
9	09/26/12	11:30	09/26/12	17:30	Maintenance/Calibration	
10	10/25/12	14:35				Removed for the winter months
11			06/04/13	08:30		Initial installation after winter months
12	07/01/13	17:30	07/02/13	15:30	Maintenance/Calibration	

13	08/05/13	17:45	08/06/13	10:30	Maintenance/Calibration	
14	09/10/13	12:00	09/10/13	15:30	Maintenance/Calibration	
15	10/07/13	16:00				Removed for the winter months
16			06/10/14	11:00		Initial installation after winter months
17	07/15/14	16:00	07/15/14	16:45	Maintenance/Calibration	
18	08/12/14	09:15	08/12/14	09:45	Maintenance/Calibration	
19	09/10/14	16:50	09/10/14	17:05	Maintenance/Calibration	
20	10/06/14	18:00				Removed for the winter months
21			06/02/15	17:00		Initial installation after winter months
22	07/07/15	10:00	07/07/15	10:30	Maintenance/Calibration	
23	08/03/15	17:00	08/03/15	17:00	Maintenance/Calibration	
24	08/31/15	16:10	08/31/16	16:30	Maintenance/Calibration	
25	10/05/15	12:40				Removed for the winter months
Station discontinued; was not redeployed in spring 2016; no active mining.						



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NF03OB0041 – Houston Creek above Road Culvert

Item Number	Date and time instrument was removed (mm/dd/yy)		Date and time instrument was reinstalled (mm/dd/yy)		Reason	Remarks
1			08/08/13	11:15		Initial installation
2	09/09/13	16:45	09/09/13	17:00	Maintenance/Calibration	
3	10/07/13	14:30				Removed for the winter months
4			06/10/14	15:10		Initial installation after winter months
5	07/15/14	11:15	07/15/14	11:50	Maintenance/Calibration	
6	08/12/14	15:15	08/12/14	15:30	Maintenance/Calibration	
7	09/08/14	18:30	09/08/14	19:00	Maintenance/Calibration	
8	10/07/14	12:15				Removed for the winter months
Station discontinued; was not redeployed in spring 2015; Houston Project on hold.						