



**Real-Time Water Quality Monitoring Network  
Calibration and Maintenance Schedule  
NF02ZH0009 – Come by Chance River near Goobies**

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.

<b>Item Number</b>	<b>Date and time instrument was removed (mm/dd/yy)</b>		<b>Date and time instrument was reinstalled (mm/dd/yy)</b>		<b>Reason</b>	<b>Remarks</b>
1			06/11/07	10:00	Initial Installation	
2	07/12/07	11:15	07/13/07	11:45	Maintenance/Calibration	
3	09/04/07	11:10	09/05/07	11:20	Maintenance/Calibration	
4	10/11/07	10:30	10/18/07	12:15	Maintenance/Calibration	Turbidity sensor may not be functioning properly.
5	11/13/07	12:08	11/16/07	09:17	Maintenance/Calibration	Turbidity sensor read exactly zero for almost all deployment period. This sensor calibrated successfully, and will be monitored for performance.
6	12/11/07	11:20	12/13/07	13:45	Maintenance/Calibration	Turbidity sensor calibrated successfully and appears to be fully operational. Low turbidity values appear to be an accurate representation of water quality in Come by Chance River.
7	01/18/08	14:20	02/25/08	12:40	Maintenance/Calibration	Hydrolab removed from river temporarily until ice conditions improved; nitrate and ammonium sensors not

						calibrated successfully prior to reinstallation
8	03/26/08	12:00	03/29/08	14:00	Maintenance/Calibration	Heavy ice in channel during removal; nitrate and ammonium sensors not calibrated successfully prior to reinstallation
9	05/14/08	12:30	05/14/08	12:35	Maintenance/Calibration	Removed instrument and replaced with a different instrument the same day; nitrate and ammonium sensors not calibrated successfully prior to reinstallation
10	06/11/08	10:20	06/13/08	11:25	Maintenance/Calibration	
11	07/09/08	11:00	07/11/08	11:25	Maintenance/Calibration	
12	08/13/08	13:05	08/18/03	12:15	Maintenance/Calibration	
13	09/11/08	12:30	09/15/08	11:30	Maintenance/Calibration	
14	10/14/08	12:30			Agreement Suspended	Instrument is removed until the Agreement resumes; instrument will be reinstalled at that point in time