



**Real-Time Water Quality Monitoring Network
Calibration and Maintenance Schedule
Grieg Monitoring Well**

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.

NLGWGA01 – Grieg Monitoring Well

Item #	Date and time instrument was removed (mm/dd/yy)		Date and time instrument was reinstalled (mm/dd/yy)		Reason	Remarks
1			11/03/20	13:00	Initial Installation – new site very first install of the groundwater instrument.	Brand new installation
2	03/24/2021	13:30	03/25/2021	08:50	Routine calibration/maintenance	Routine
3	06/16/2021	10:10	06/16/2021	11:50	Routine Calibration/Maintenance	Routine
4	08/24/2021	08:30	08/24/2021	12:40	Routine calibration/maintenance	Routine
5	11/23/2021	9:30	12/01/2021	9:00	On removal of the instrument it was identified that the tension cable had snapped and I was not able to redeploy the instrument until I had replaced the tension cable.	The large difference in deployment was due to the tension cable breaking and I needed a couple of weeks to find a back up cable. The instrument was reinstalled on Dec 1, 2021.
6	02/07/2022	12:00	02/07/2022	12:50	This was a short deployment due to an issue with power at the station. The instrument stopped working	
7	05/24/2022	12:15	05/24/2022	2:30	Routine change out	*back up instrument is at HOSKIN for repairs
8	08/04/2022	08:01	08/04/2022	09:35	Routine change out	
9	09/28/2022	8:30	09/28/2022	09:45	Change out was early due to power issues with the instrument	Deployment was short due to power issues. Batteries needed to be

						changed.
10	11/23/22	08:05	11/23/2022	09:30	Routine Change out	
11	02/18/23		03/07/23	16:10	Routine Change out / Power issue	Power issue. Instrument dropped out Feb 18, 2023. Took a couple of weeks to be able to get to Marystown to switchout – hence the redeployment date of March 7, 2023
12	05/10/2023	8:00	05/10/2023	9:30	Routine Change out	
13	06/15/2023	13:00	06/15/2023	13:30	Maintenance: batteries changed out in instrument	Power issue: Station went offline on June 12 th , 2023. Sonde removed just to change out batteries (not calibrated).
14	07/19/2023	08:25	07/19/2023	10:20	Routine Change out	
15	08/21/2023	14:00	08/21/2023	14:30	Maintenance/Change out	Power issue: Station went offline on July 21 st , 2023. Datalogger fuse needed to be replaced and station came back online.
16	09/21/2023	21:35	09/22/2023	10:50	Maintenance/Change out	Power issue: Station went offline on Aug. 25 th , 2023. Field cable required replacement and station came back online.
17	12/12/2023	09:35	12/12/2023	09:40	Routine switch out of instruments	
18	01/23/2024	14:00	01/23/2024	14:05	Routine switch out of instrument	Station went offline Dec. 20 th , 2023 – instrument still logging internally. Switching instruments remedied issue.
19	04/03/2024	13:25	04/03/2024	15:00	Routine switch out of instrument	21J103626 calibrated and redeployed

