



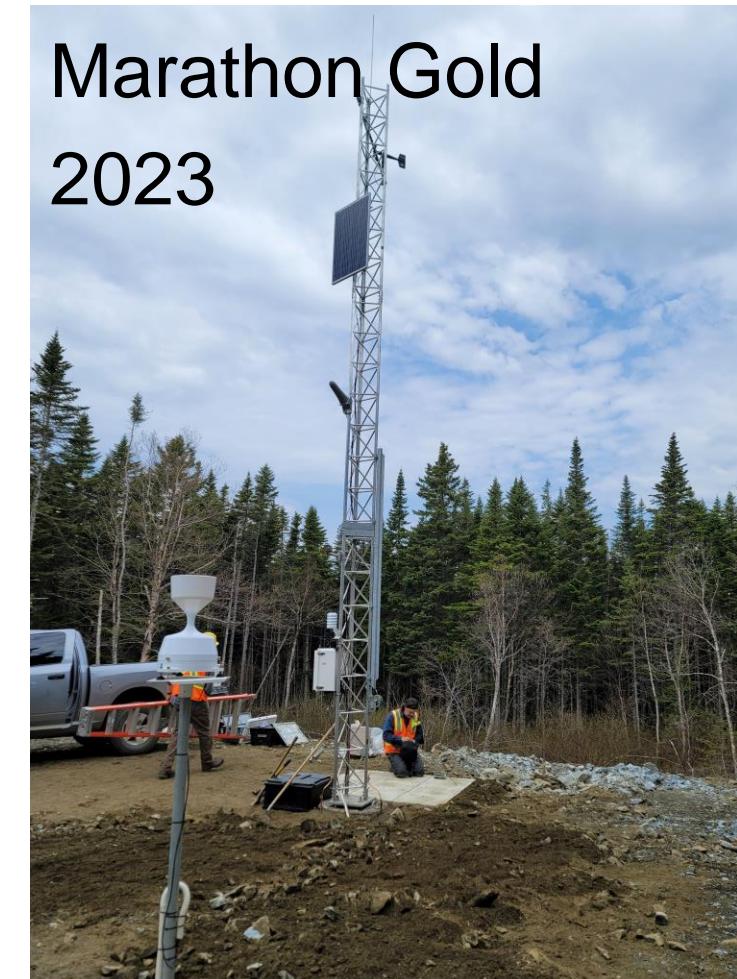
Water Resources Management MET Station Network

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Department of Environment and Climate Change

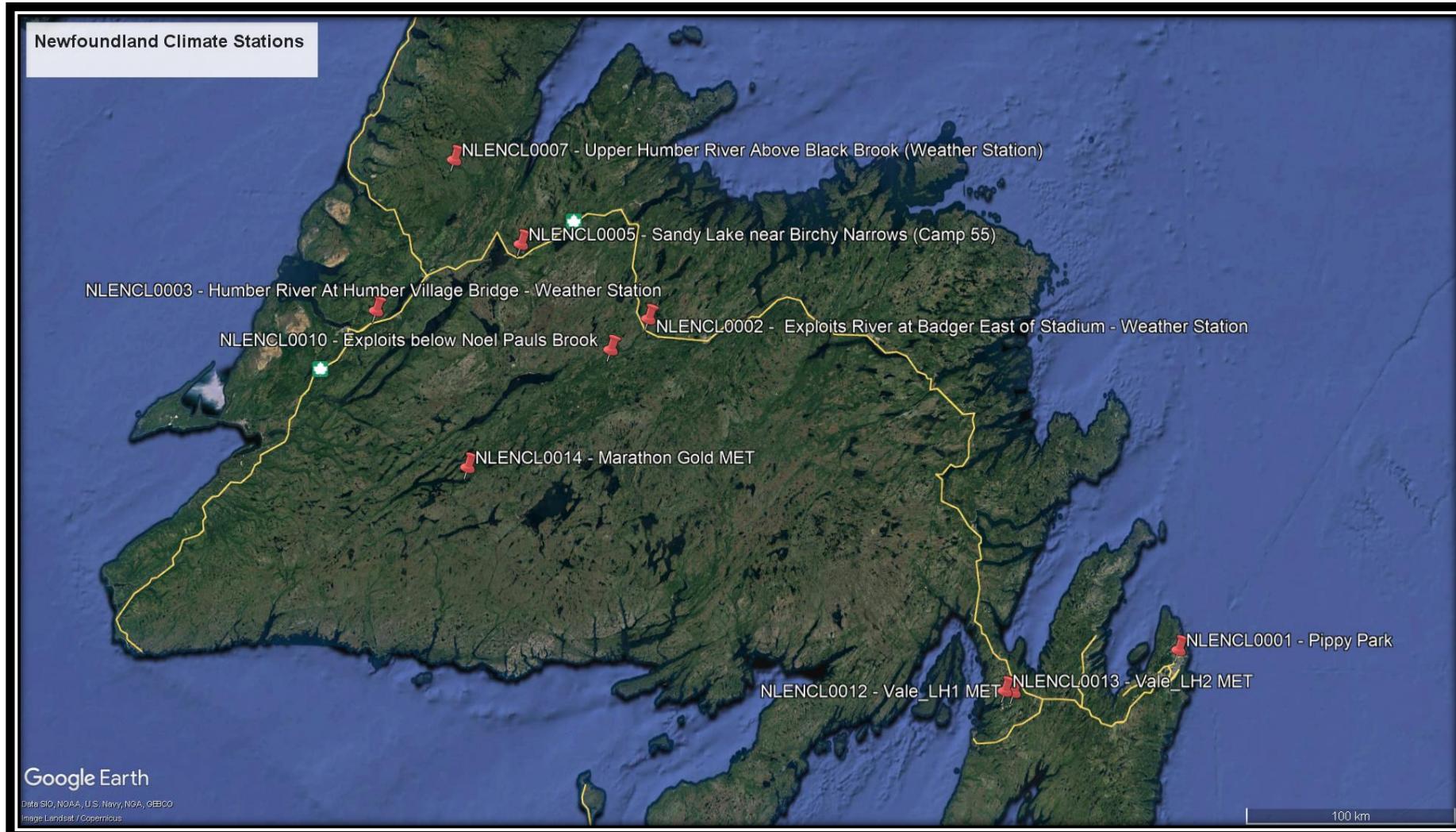
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Introduction

Total 13 stations



Location



Location



Location - Mobile

Mobile Environmental Monitoring
Platform (MEMP)



What Do We Measure?

All stations in our network are equipped with the sensors to record at least the following 8 parameters:

- Air Temperature (°C)
- Relative Humidity (%)
- Atmospheric Pressure (kPa)
- Precipitation (mm)
- Snow Depth (m)
- Solar Radiation (KJ/m²)
- Wind Speed (km/h)
- Wind Direction (°)

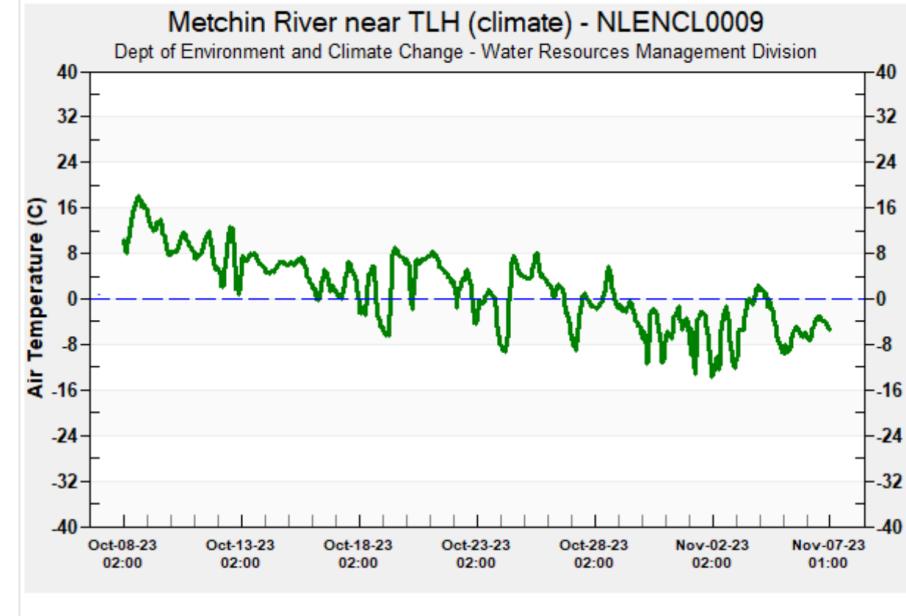
What Do We Measure?

Water Resources - Dept. of Envir. mae.gov.nl.ca/wrmd/ADRS/v6/Graphs_List.asp

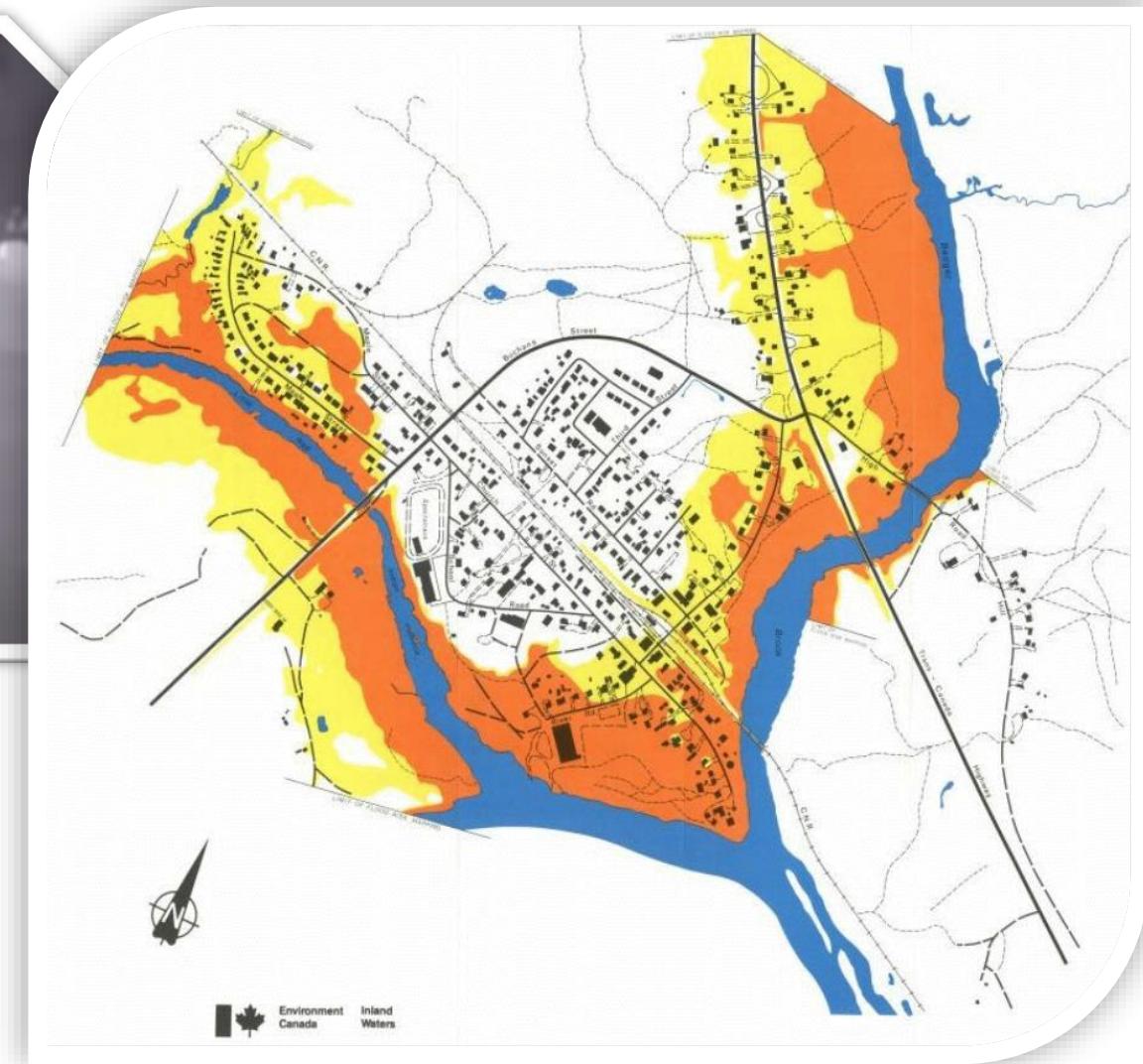
		Northern Labrador	Western Labrador	Churchill River and Lake Melville	Coastal and Southern Labrador	Northern Peninsula			
		West Coast, Humber and Baie Verte	Exploits River and Norte Dame Bay	South Coast and Burin Peninsula	Trinity Bonavista and Gander	Avalon Peninsula			
Northern Labrador		03NE Camp Pond	03NE Camp Pond Brook below Camp Pond	03NE Reid Brook at Outlet of Reid Pond	03NE Reid Brook below Tributary	03NE Tributary to Reid Brook	03NF Uggjoktok River below Harp Lake		
Tertiary Basin	Name	Stage-Flow	Vertical Datum	Flood Warning	WQ Climate Snow	Water Temp	GW Camera	ADRS	EC
03NE	Camp Pond	Stage	Assumed					03NE003	EC
03NE	Camp Pond Brook below Camp Pond	Stage/Flow	Assumed	WQ		WT		NF03NE0010	EC
03NE	Reid Brook at Outlet of Reid Pond	Stage/Flow	Assumed	WQ		WT		NF03NE0009	EC
03NE	Reid Brook below Tributary	Stage/Flow	Assumed	WQ		WT		NF03NE0011	EC
03NE	Tributary to Reid Brook	Stage/Flow	Assumed	WQ		WT		NF03NE0012	EC
03NF	Uggjoktok River below Harp Lake	Stage/Flow	Assumed	HF				03NF001	EC
Western Labrador		03OC Atikonak River above Panchia Lake	03OA Dumbell Stream above Dumbell Lake	03OB Elross Creek below Pinette Lake Inflow	03OA Flora Creek below Trans Labrador Highway	03OB Joan Brook below Outlet of Joan Lake	03OA Luce Brook below Tinto Pond		
Tertiary Basin	Name	Stage-Flow	Vertical Datum	Flood Warning	WQ Climate Snow	Water Temp	GW Camera	ADRS	EC
03OC	Atikonak River above Panchia Lake	Stage/Flow	Assumed			WT		eMail Us	EC
03OA	Dumbell Stream above Dumbell Lake	Stage	Assumed	WQ		WT		NF03OA0023	EC
03OB	Elross Creek below Pinette Lake Inflow	Stage	Assumed	WQ		WT		NF03OB0039	EC
03OA	Flora Creek below Trans Labrador Highway	Stage	Assumed	WQ		WT		NF03OA0022	EC
03OB	Joan Brook below Outlet of Joan Lake	Stage	Assumed	WQ		WT		NF03OB0042	EC
03OA	Luce Brook below Tinto Pond	Stage/Flow	Assumed					03OA012	EC

Observed at: NLENCL0009 - Metchin River near TLH (climate) Date: Tuesday, November 7 1:00 AM NST

Temperature: -6.4 °C	Relative Humidity: 77.5 %
Wind: W 2.9 km/h Gust 15.8 km/h	Last Hourly Precipitation: 0.0 mm
Barometric Pressure (BP): 101.3 kPa	BP Tendency: Rising



Purpose & Drivers – Flooding



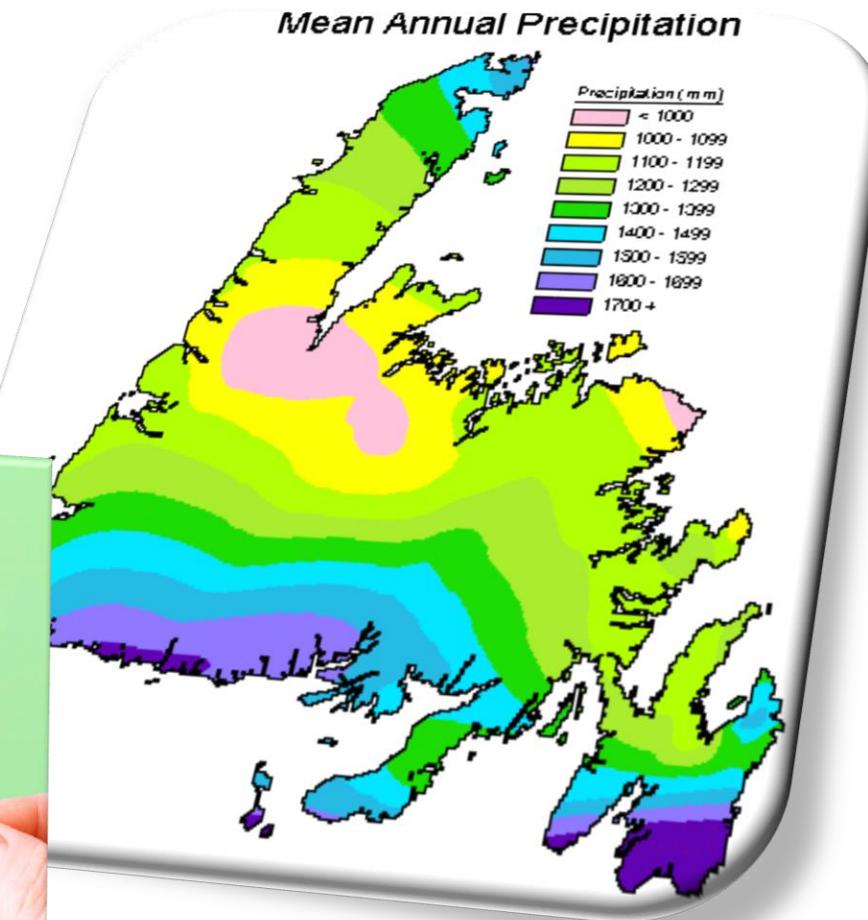
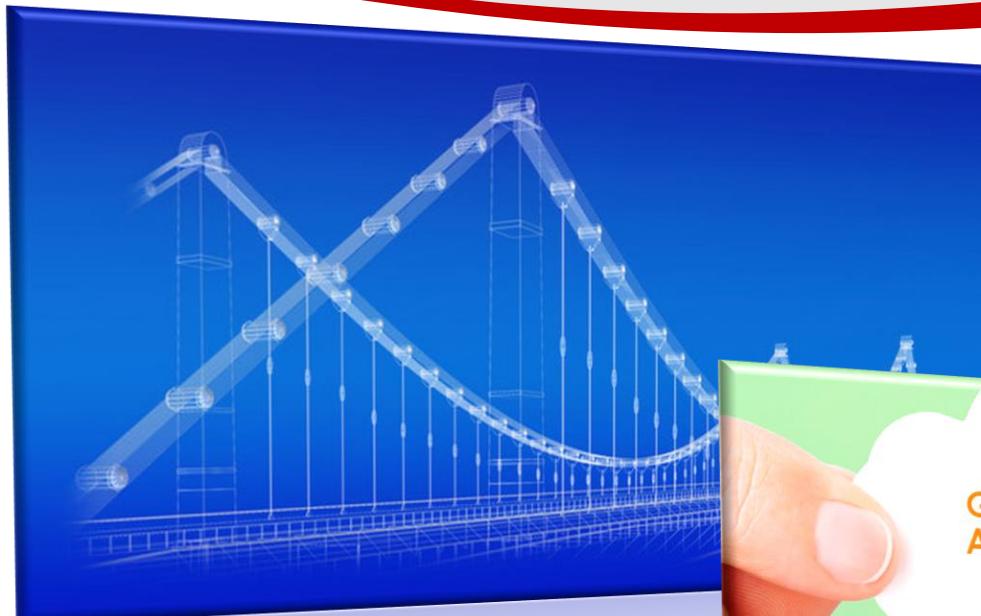
Purpose & Drivers – Industry

NL Hydro, Vale Long Harbour and Marathon-Gold all have partnered stations with WRMD.

Partner will provide equipment and site set up with guidance from WRMD, then WRMD will install on site, pull data into our Automatic Data Retrieval System (ADRS) and display on the government website graphically.

https://www.mae.gov.nl.ca/wrmd/ADRS/v6/Graphs_List.asp

Purpose & Drivers – Other



Partnerships

Climate Network Owners Workshop is held virtually or in person each year.



Thanks For Listening!

