

Mayo Lake/Daghro Män/Ts'agro Män Ice Monitoring Program

March 2026

Summary

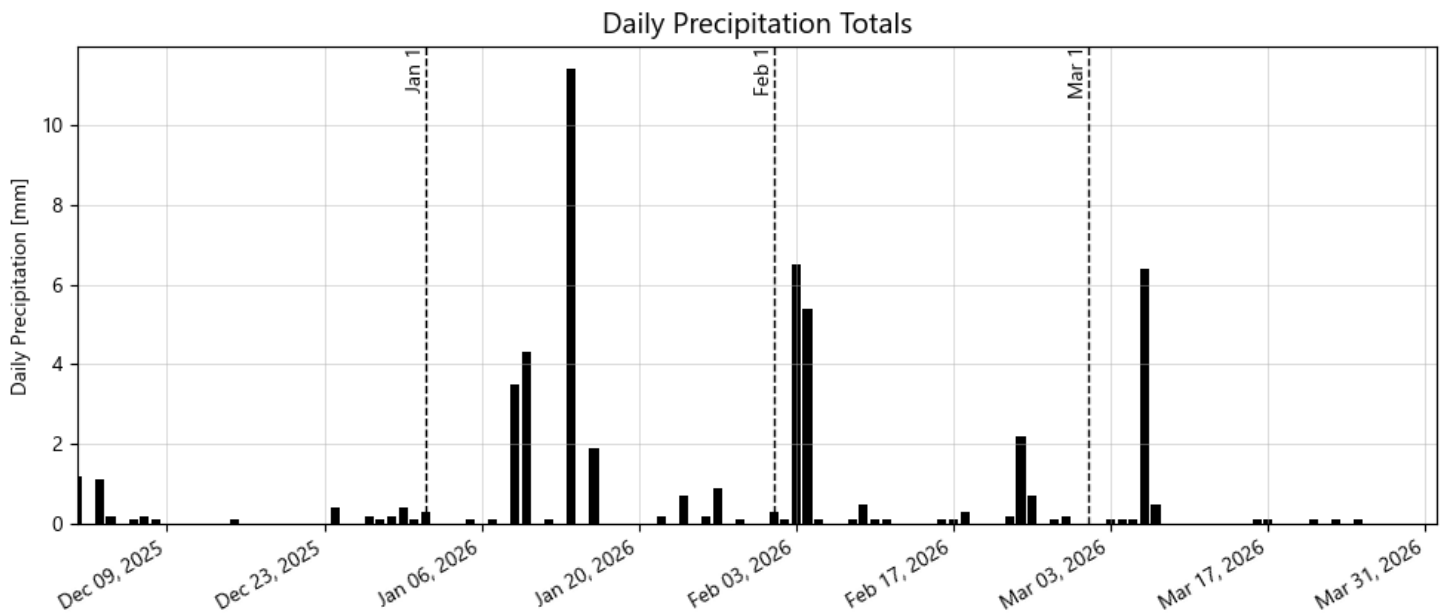
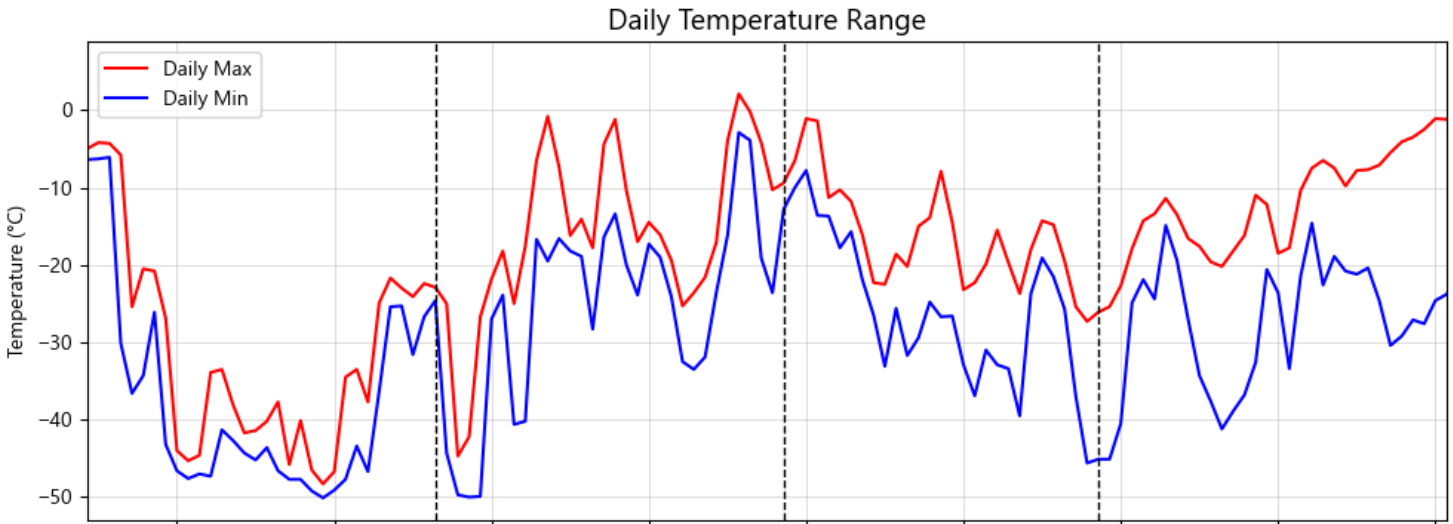
- **Nelson Arm** – Impassible 15 km NW of the arm end due to overflow.
- **Roop Lakes** – Unable to access due to lack of existing trail and areas of thin ice
- **Outlet** – Open water; no ice cover.
- Pressure ridge exists before and after Gull Island
- Thick ice covers much of the lake from the west end to the end of Roop Arm



Ice Observation – March 23 and 24, 2026

Location on Lake	Snow Depth [cm]	Ice Thickness [cm]
Lake Outlet	Open Water	Open Water
West End	35	91
Middle of Lake	33	91
Roop Arm End	45	87
Roop Lakes	Not Accessible	Not Accessible
Nelson Arm NW	51	99
Nelson Arm End	Unable to reach due to overflow	Unable to reach due to overflow

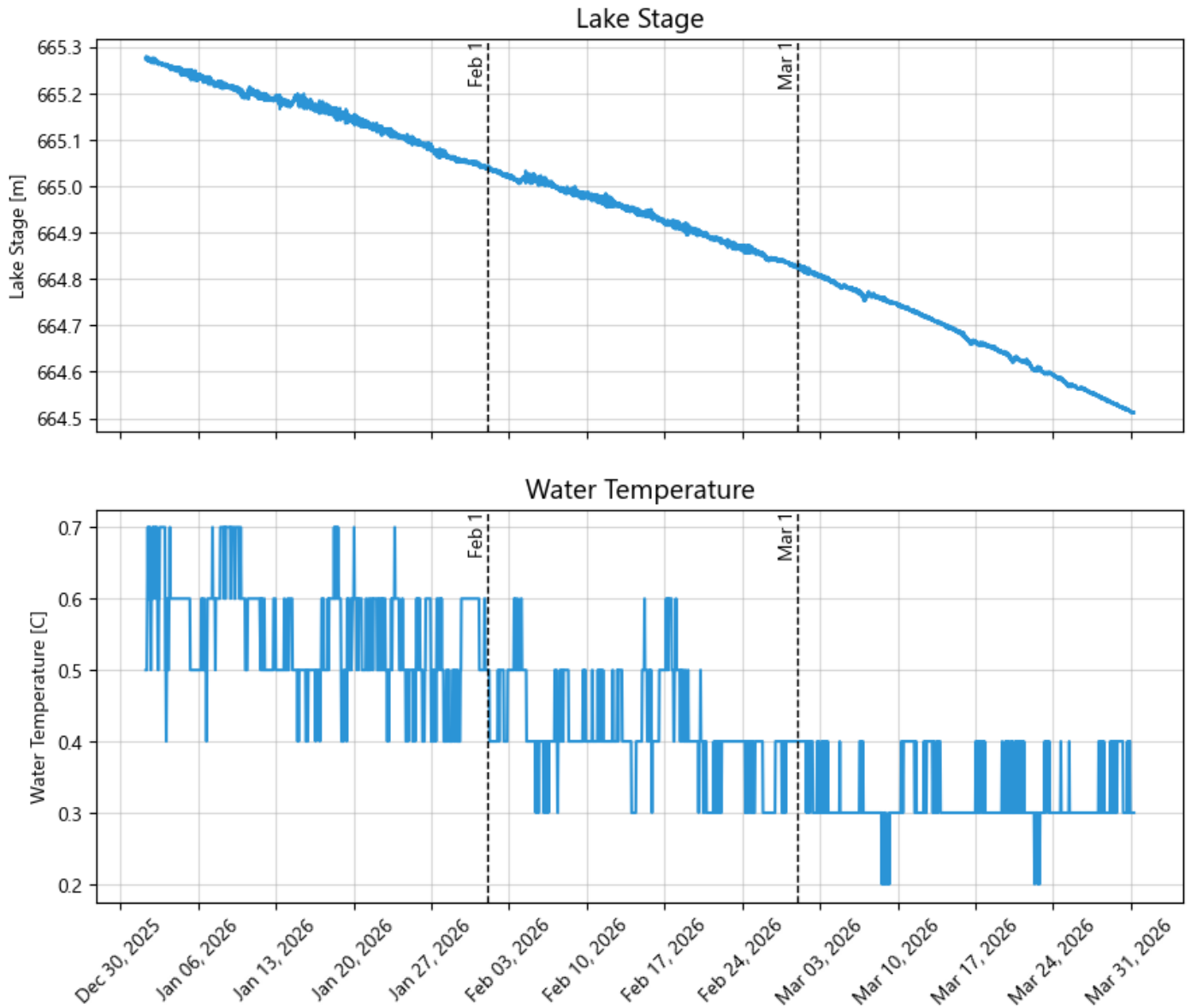
Weather Observations



Notes:

- a. Precipitation and Temperature observations are from Mayo Townsite (EC54178)

Lake Observations



Notes:

- b. Lake observations are from Water survey of Canada gauge 09DC005 near the outlet of Mayo Lake

Mayo Lake Site Pictures & Observations

Lake Outlet



Unsafe to measure snow and ice due to open water

West End



The top layer of ice (~8 cm) is slightly cloudy, while the remainder is clear, strong, and smooth.

Middle of Lake



Ice is completely clear and solid; water surface is approximately 4 cm above bottom of ice.

Nelson Arm NW



The top layer of ice (~22 cm) is cloudy with trapped air, while the remaining ice is clear and solid; water surface is approximately 1.5 cm above bottom of ice

Roop Arm End



Entire ice column is clear and sound; water surface is approximately 4 cm above bottom of ice