

Canadian Geophysical Union Hydrology Section Activity Report 2025

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Introduction

This report summarizes the activities of the Hydrology Section (HS) of the Canadian Geophysical Union (CGU) in 2025. As of May 2025, the HS had 65 regular members, 64 primary student members and 39 secondary affiliation members.

Executive Committee Members

The new HS executive committee was appointed at the 2025 HS Annual General Meeting at the CGU annual meeting in Saskatoon. The new executive committee membership is as follows (*indicates a new member):

- President – Lauren Somers
- Vice-President – Chris Spence
- Secretary – Scott Ketcheson
- Treasurer – Magali Nehemy
- Member-at-large (awards) – Élise Devoie
- Member-at-large (student/CYHS) – Rachel Lackey
- Members-at-large (committees) – Kelly Biagi* and Cody Ross*
- Past President – Barret Kurylyk

This year there were two people interested in the member-at-large (committees) role and the section opted to appoint both candidates (Kelly Biagi and Cody Ross).

Conference Sessions and Presentations

At the 2025 CGU annual meeting in Saskatoon, the HS had 14 sessions. The executive committee convened the General Hydrology Session and several of the HS committees convened sessions. There were 84 presentations across all hydrology sessions.

Awards

The HS coordinates two student conference awards; the DM Gray Best Student Paper in Hydrology award was given to Andras Szeitz, PhD candidate at McMaster University and the Campbell Scientific Poster Award was given to Tim Trembath, PhD candidate at Waterloo University. The HS also helps to adjudicate one union-level award, the Don Gray Scholarship. This Scholarship was awarded to Nicole LeRoux, PhD Candidate at Dalhousie University.

Publications

In 2024/2025, the HS again led a CGU special issue in *Hydrological Processes*. The 2024 special issue was completed in November 2025. The guest editors were Lauren Somers, Jason Leach and Barret Kurylyk. There were seven papers in the special issue with several featuring students as first authors. The research papers were spread among three general themes: groundwater, cold regions hydrology and ecohydrology. The 2025 special issue was also launched this year with Guest editors Chris Spence, Jason Leach, Kelly Biagi and Cody Ross.

Sub-committee Activities

The hydrology section has seven sub-committees:

- Committee on Permafrost-Hydrogeology Interactions
- Committee on River Ice Processes and the Environment (CRIPE)
- Northern Research Basins Committee
- Committee on Isotope Tracers
- Hydroecology Committee
- Canadian Young Hydrologic Society
- Committee on Hydro-climatic Impacts and Adaptation

The composition and activities of each sub-committee are summarized in the Hydrology Section Committees Report.