



# Streamflow and water level monitoring: an overview

## Monitoring streamflow and water levels in the Yukon

The Government of Yukon's Water Resources Branch (WRB) in partnership with the Water Survey of Canada (WSC), monitors streamflow and water levels in streams, rivers and lakes to better understand the water cycle in the Yukon. Hydrometric stations measure the quantity of surface water through a wide range of instrumentation.

### Hydrometric - streams 16 stations

- WRB operates 16 hydrometric stations on smaller streams across the Yukon. These stations provide water level and streamflow data on minor tributaries in the open water period. Data are available by request from WRB.

### Hydrometric - rivers and lakes 74 Stations

- WSC operates 74 hydrometric stations on rivers and lakes in partnership with WRB. Check out the real-time data webpage to learn about water levels and streamflow near you: [https://wateroffice.ec.gc.ca/search/real\\_time\\_e.html](https://wateroffice.ec.gc.ca/search/real_time_e.html)



Summer flows at WRB's Boulder Creek hydrometric station.



WRB technologist measuring freshet flows at WRB's Vangorda Creek hydrometric station.

## Why monitor these parameters?

Water level and flow data are used to understand:

- flood and wildfire risk,
- current conditions for flood forecasting,
- infrastructure design,
- changes in the water cycle, and
- impacts from climate change.

## What does the network mean for you?

- Water levels and flows can have a direct impact on travel, including ferry operations, roadways, and paddling conditions.
- Hydrometric data directly supports the safety of Yukoners by enabling timely flood alerts and warnings and building flood-resilient communities.





# Yukon Hydrometric Networks

