

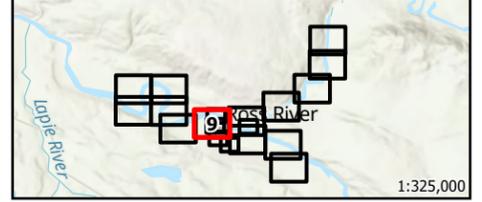
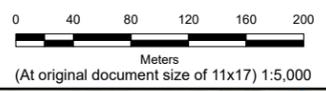
**Ross River Flood Mapping Study  
Open Water Flood Hazard Map  
0.5% Annual Exceedance Probability (AEP)**

Client/Project  
Government of Yukon  
Department of Environment  
Water Science and Stewardship

Project: 123223019

Project Location Ross River, Yukon Prepared by MANDERSON on 3/4/2026

- Legend
- Community (Yellow star)
  - Point of Interest (Yellow circle)
  - River Flow Direction (Blue arrow)
  - Bridge (Yellow line)
  - Surveyed Cross-Sections Used in Hydraulic Model (Black line)
  - WSC Stations (Blue circle)
  - Toe of Ice Jam (Dashed orange line)
  - Berm (Brown line)
  - Major Contour (5m) (Black line)
  - Highway (Red line)
  - Local Road (Orange line)
  - Inundation Under Modelled Open Water Runs (Blue area)
  - Inundation Under Modelled Breakup Ice Jam Runs (Orange area)
  - Ice Coverage in Breakup Jam Scenarios (Dotted orange area)
  - Area Protected by Berm (Blue hatched area)
  - Composite Open Water and Ice Jam Inundation Extent (Blue area)
  - Approximate 50% AEP Open Water Flood Inundation (Dashed black line)



Notes

- Coordinate System: NAD 1983 UTM Zone 10N Vertical Datum: CGVD2013, Geoid: CGG2013a
- Data Sources: GeoYukon, Canada Lands Survey (CLS) CCM 982, Canvec.
- Flood hazard extents shown on these maps are based on LIDAR collected in July, 2019 and topographical and bathymetric data that was collected in June and September 2024.
- The content of these Draft Maps is based on the methods, assumptions, limitations, and analysis documented in the Ross River Flood Mapping Study (Stantec 2025) produced for Yukon Government. Composite Hazard Maps are based on the assumptions and analysis presented in Stantec 2025 which were based on the available data which is current to the time the maps were produced. Such data contains inherent limitations given that the climatic conditions and geomorphic conditions are constantly evolving and cannot be predicted with certainty.

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