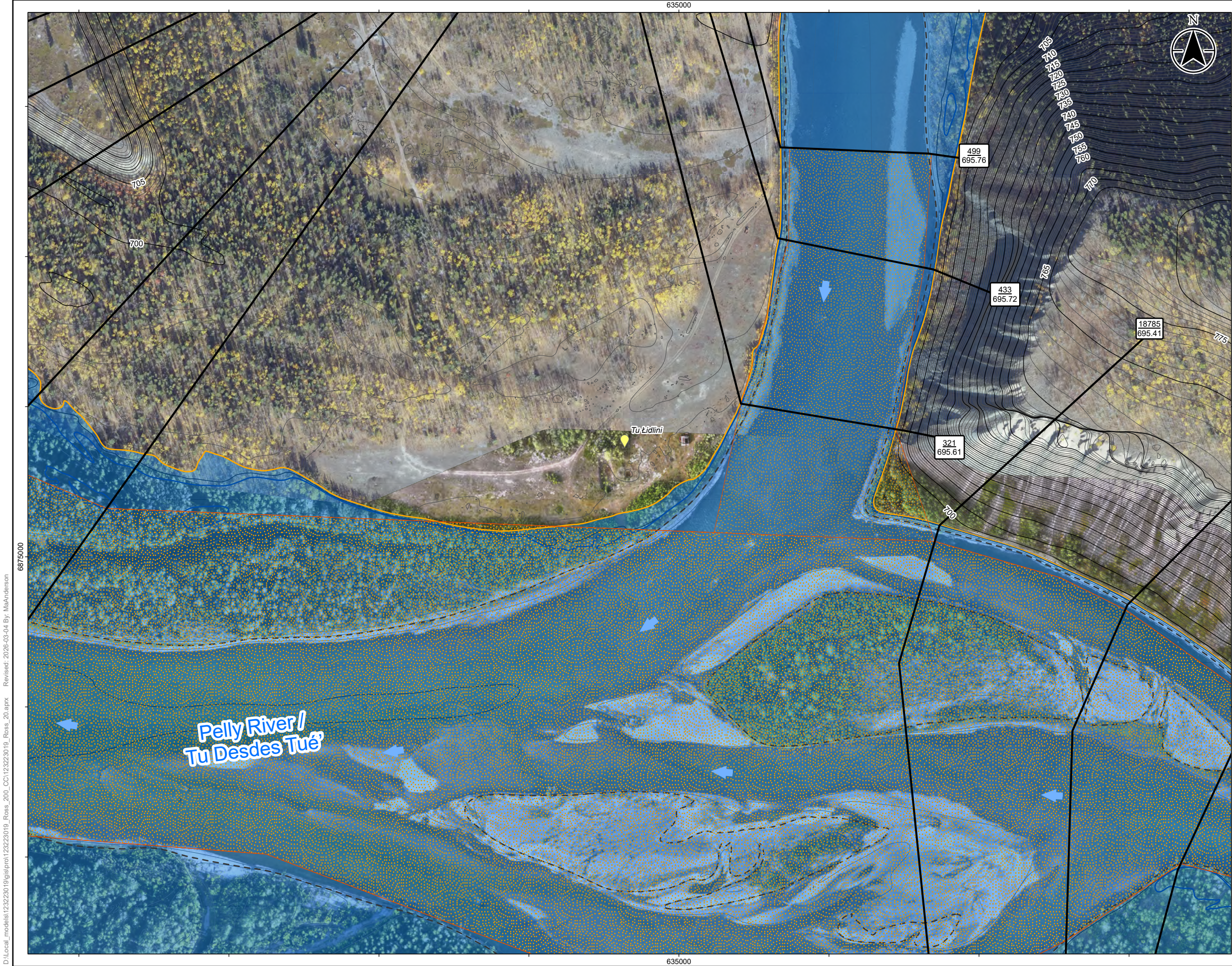




Title
**Ross River Flood Mapping Study
Open Water Flood Hazard Map
5% Annual Exceedance Probability (AEP)**

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

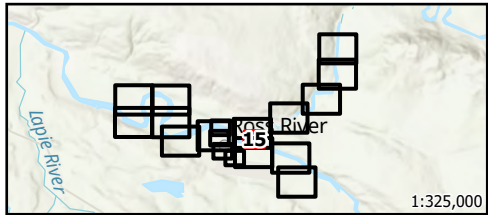
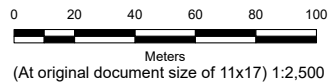
Project: 123223019

Project Location
Ross River, Yukon

Prepared by MANDERSON on 3/4/2026

Legend

- Point of Interest
- River Flow Direction
- Bridge
- Surveyed Cross-Sections
Used in Hydraulic Model
- Major Contour (5m)
- Minor Contour (1m)
- Inundation Under Modelled
Open Water Runs
- Inundation Under Modelled
Breakup Ice Jam Runs
- Ice Coverage in Breakup Jam
Scenarios
- Composite Open Water and
Ice Jam Inundation Extent
- Approximate 50% AEP Open
Water Flood Inundation



Notes
1. Coordinate System: NAD 1983 UTM Zone 10N Vertical Datum: CGVD2013, Geoid: CGG2013a
2. Data Sources: GeoYukon, Canada Lands Survey (CLS) CCM 982, Canvec.
3. 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.
4. 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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