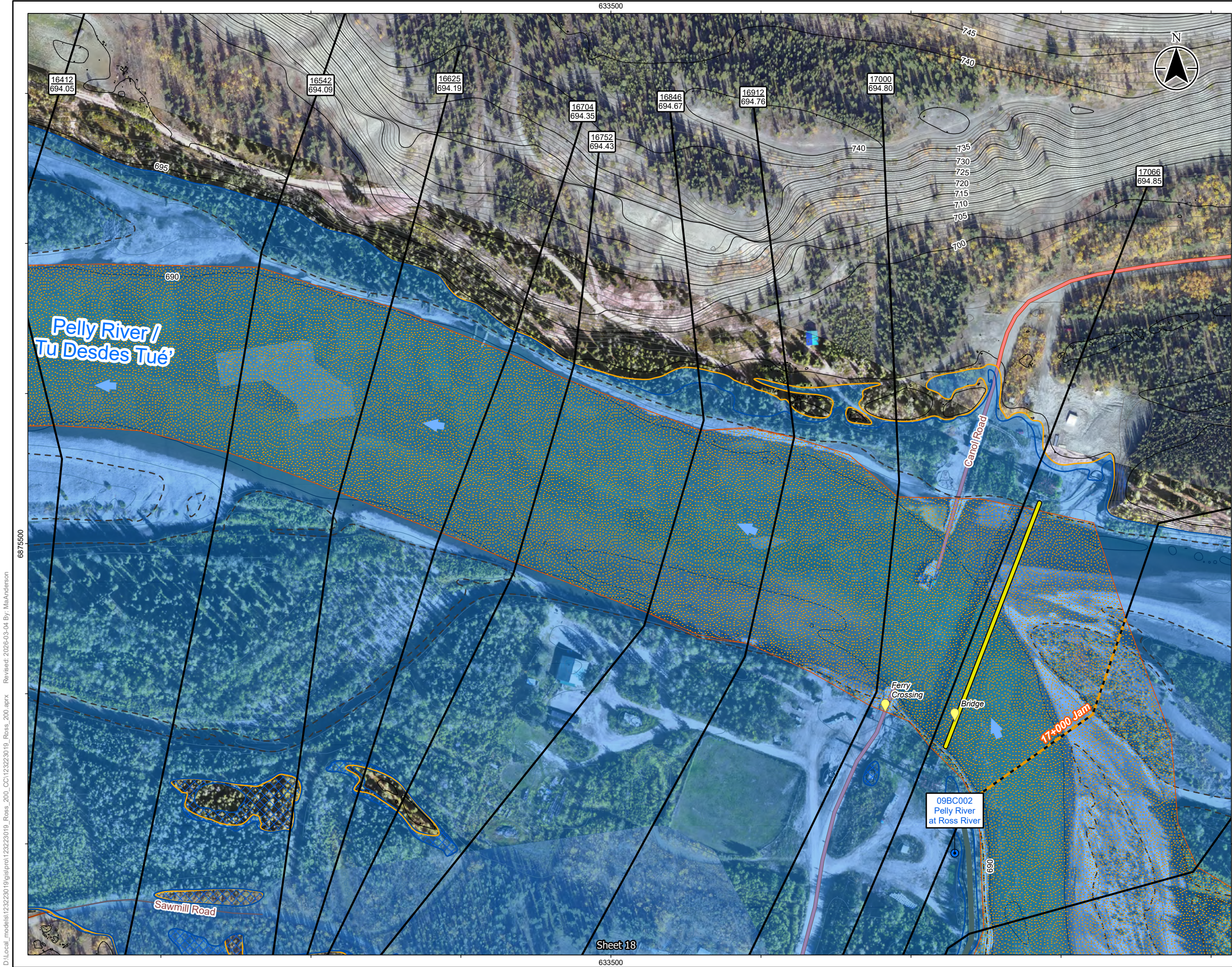




Title
**Ross River Flood Mapping Study
Open Water Flood Hazard Map
0.5% Annual Exceedance Probability (AEP)**

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

Project: 123223019

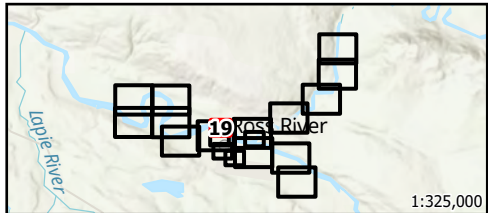
Project Location
Ross River, Yukon

Prepared by MANDERSON on 3/4/2026

- Legend
- | | | | |
|--|---|--|--|
| | Point of Interest | | Highway |
| | River Flow Direction | | Local Road |
| | Bridge | | Inundation Under Modelled Open Water Runs |
| | Surveyed Cross-Sections Used in Hydraulic Model | | Inundation Under Modelled Breakup Ice Jam Runs |
| | WSC Stations | | Ice Coverage in Breakup Ice Jam Scenarios |
| | Toe of Ice Jam | | Area Protected by Berm |
| | Berm | | Composite Open Water and Ice Jam Inundation Extent |
| | Major Contour (5m) | | Approximate 50% AEP Open Water Flood Inundation |
| | Minor Contour (1m) | | |



(At original document size of 11x17) 1:2,500



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.