

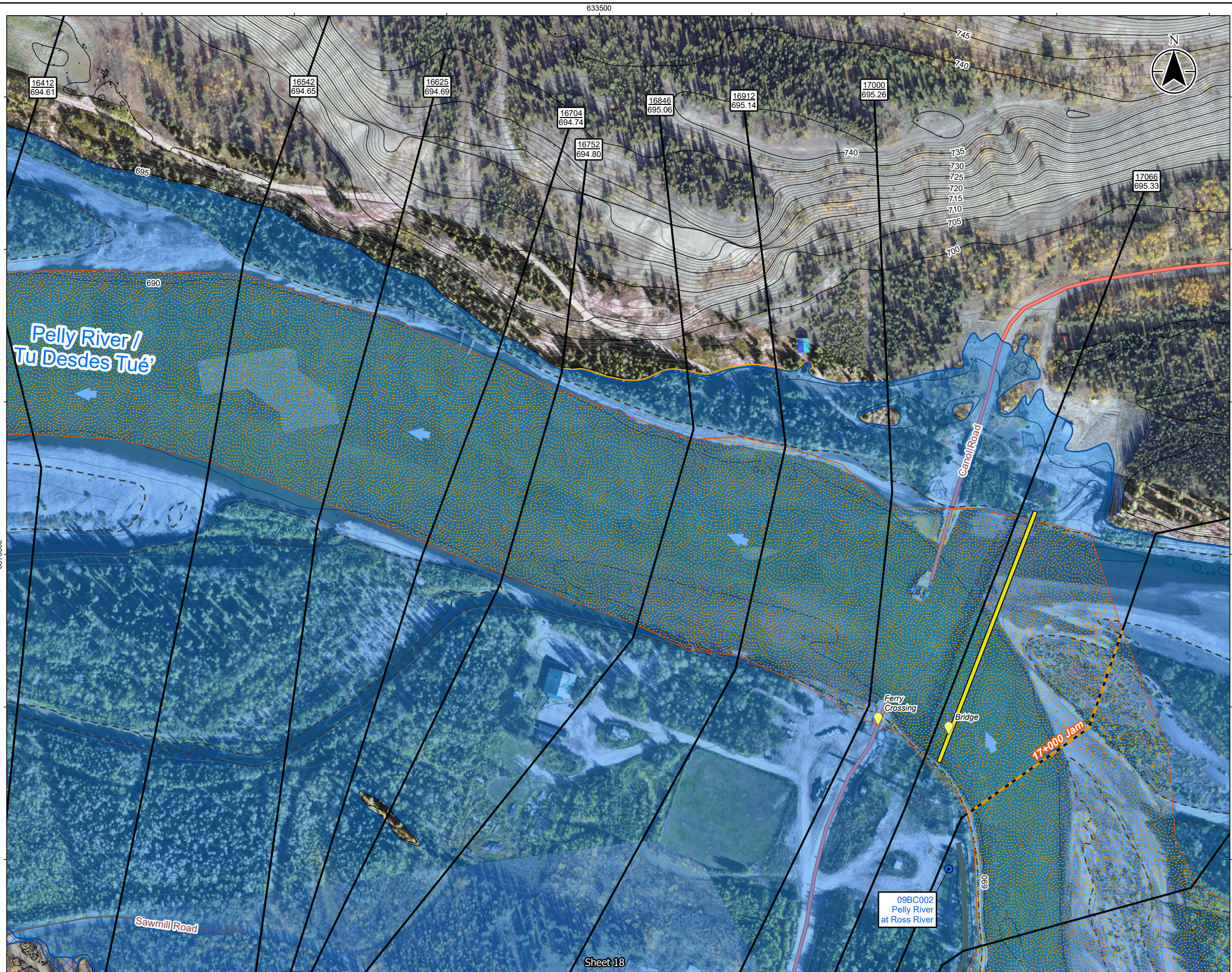


Figure No.

RR-0.5CC-19

Sheet 19 of 19

Title **Ross River Flood Mapping Study**
Open Water Flood Hazard Map
0.5% AEP with Factors of Safety for Climate Change

Client/Project

Government of Yukon
Department of Environment
Water Water Science and Stewardship

Project: 123223019

Project Location

Prepared by MANDERSON on 3/4/2026

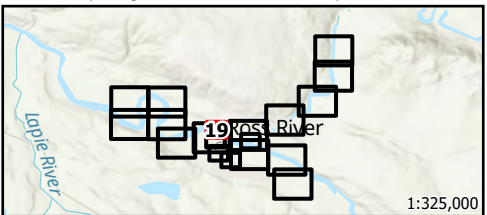
Ross River, Yukon

Legend

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



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



Notes

1. Coordinate System: NAD 1983 UTM Zone 10N Vertical Datum: CGVD2013, Geoid: CGVD2013a
2. Data Sources: GeoYukon, Canada Lands Survey (CLS) CCM 82C, Canvec.
3. Flood hazard extents shown on these maps are based on LIDAR collected in July, 2019 and the geographic data was derived from the 2019 flood hazard map.
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.
5. The maps were produced using the best available data which is current at the time the maps were produced. Such data contains inherent limitations given that the map's conditions and geographic conditions are constantly evolving and cannot be predicted with certainty.

Canada



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DRAFT - FOR REVIEW ONLY

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