

Sheet 14

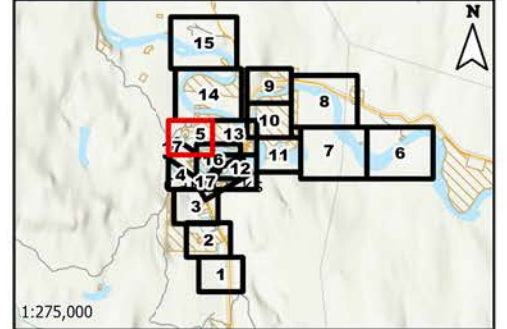
Sheet 4

Sheet 13

Figure No. **E.1.5** Sheet 5 of 17
 Title: **Carmacks Flood Mapping Study
 Composite Flood Hazard Extents
 5% Annual Exceedance Probability (AEP)**
 Client/Project:
 Government of Yukon
 Department of Environment
 Water Resources Branch
 Project: 123222320
 Project Location: Carmacks, Yukon
 Prepared by MANDERSON on 2024-05-21
 Requested by JMUIRHEAD on 2024-01-07
 Review by JMUIRHEAD on 2024-05-21

- Flow Direction
- Point of Interest
- Bridge
- Highway
- Local Road
- Little Salmon / Carmacks First Nation Settlement Land
- Land Parcels
- Municipal Boundary
- Study Area
- Hydraulic Model Cross-Sections
- Inundation under Modelled Ice Jam Runs
- Inundation under Modelled Open Water Runs
- Composite Flood Hazard Extent
- Ice Jam Location (toe of jam)
- 50 % AEP Extent
- Hydraulic Model Cross-Sections
- Cross-Section Number
- WSE (m) in Main Channel of Cross-Section

Map Publication Date: May 21, 2024
 0 40 80 120 160 200 m
 (At original document size of 11x 17) 1:5,000



Notes
 1. Coordinate System: NAD 1983 UTM Zone 8N
 Vertical Datum: CGVD2013, Geoid: CGG2013a
 2. Data Sources: GeoYukon, Canada Lands Survey (CLS) CCM 982, Canvec.
 3. Background: World Topographic Map: Northwest Territories, State of Alaska, Esri Canada, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCAN, Parks Canada World Hillshade: Esri, USGS
 4. Flood hazard extents shown on these maps are based on LIDAR collected on June 8 - 10 of 2019, and bathymetric/topographic survey collected in July and August of 2023.



Disclaimer: The content of these Maps is based on the methods, assumptions, limitations, and analysis documented in the Carmacks Flood Mapping Study Final Report (Stantec 2024). Any unauthorized use or reliance of Maps is at the User's own risk. Stantec disclaims any legal duty based upon warranty, reliance or any other theory to any User, and will not be liable to any User for any damages or losses of any kind that may result.