

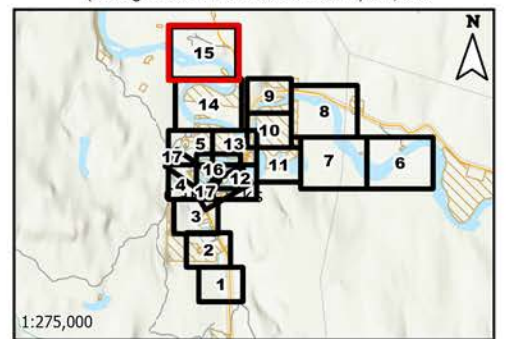
**Carmacks Flood Mapping Study
Composite Flood Hazard Extents
5% Annual Exceedance Probability (AEP)**

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 | — Hydraulic Model Cross-Sections |
| ★ Point of Interest | — Inundation under Modelled Ice Jam Runs |
| — Bridge | — Inundation under Modelled Open Water Runs |
| — Highway | — Composite Flood Hazard Extent |
| — Local Road | — Ice Jam Location (toe of jam) |
| ▨ Little Salmon / Carmacks First Nation Settlement Land | — 50 % AEP Extent |
| ▭ Land Parcels | — Hydraulic Model Cross-Sections |
| ▭ Municipal Boundary | 57 Cross-Section Number |
| ▭ Study Area | 517.2 WSE (m) in Main Channel of Cross-Section |

Map Publication Date: May 21, 2024
0 70 140 210 280 350
m
(At original document size of 11x 17) 1:8,000



- 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.