

Figure No. **E.0**

Title: Carmacks Flood Mapping Study
Composite Flood Hazard Extents
0.5% Annual Exceedance Probability (AEP) with Factor of Safety for Climate Change

Client/Project:
Government of Yukon
Department of Environment
Water Resources Branch

Project: 12322320

Project Location: Carmacks, Yukon

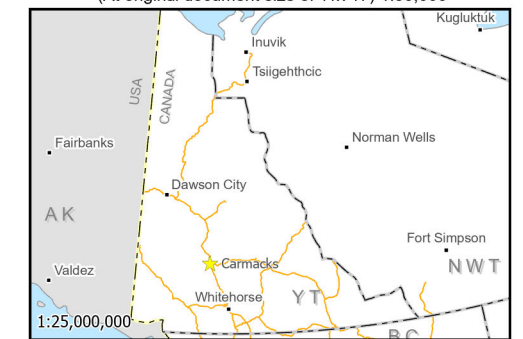
Prepared by MANDERSON on 2024-05-21
Requested by JMUIRHEAD on 2023-11-07
Review by JMUIRHEAD on 2024-05-21

- | | |
|---|----------------------|
| Bridge | Mapping Index Sheets |
| Little Salmon / Carmacks First Nation Settlement Land | Study Area |
| Land Parcels | Highway |
| Municipal Boundary | Local Road |

Map Publication Date: May 21, 2024

0 500 1,000 1,500 2,000 m

(At original document size of 11x17) 1:50,000



- Notes**
1. Coordinate System: NAD 1983 UTM Zone 8N Vertical Datum: CGVD2013, Geoid: CCG2013a
 2. Data Sources: GeoYukon, Canada Lands Survey (CLS) CCM 982, Canvec.
 3. Background: World Imagery: Maxar
 4. Nordenskiöld River Climate Change Factor of Safety = 1.2 and Yukon River Climate Change Factor of Safety = 1.1 as identified during meetings with YG, NRCan, ECC on September 8, 2023 and November 6, 2023
 5. 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.

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