Sheet 14

433000

434000

6887000

6886000

N

Sheet 5

Sheet 11

Sheet 12

Yukon River / Tâ¿á Ghò Cé

Yukon River / Tâ¿á Ghò Cé

LSC C-2B

LSC C-42B

LSC C-11B

LSC C-1B/D

LSC C-39B/D

LSC C-47FS

LSC C-4B

14662
523.97

8346
521.37

14380
523.93

14168
523.92

13778
523.96

8686
521.43

13595
523.96

13390
523.93

9988
522.11

9276
521.81

Granite Road

Klondike Highway

Big River (Tagecho)

Soapberry (Ninro)

Berry (Jik)

Figure No.

E.5.13

Sheet 13 of 17

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: 123222320

Project Location:

Carmacks, Yukon

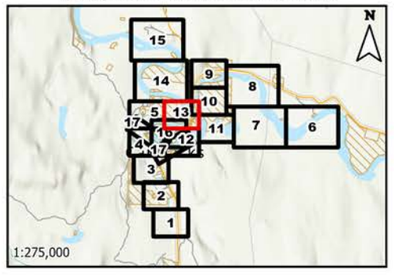
Prepared by MANDERSON on 2024-05-27
Requested by JMUIRHEAD on 2024-01-07
Review by JMUIRHEAD on 2024-05-27

- 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
- 57 / 517.2 — Cross-Section Number / WSE (m) in Main Channel of Cross-Section

Map Publication Date: May 27, 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. Nordenskiold 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, ECCC 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.

Stantec

Yukon

This project is funded in part by the Government of Canada Canada

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).
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