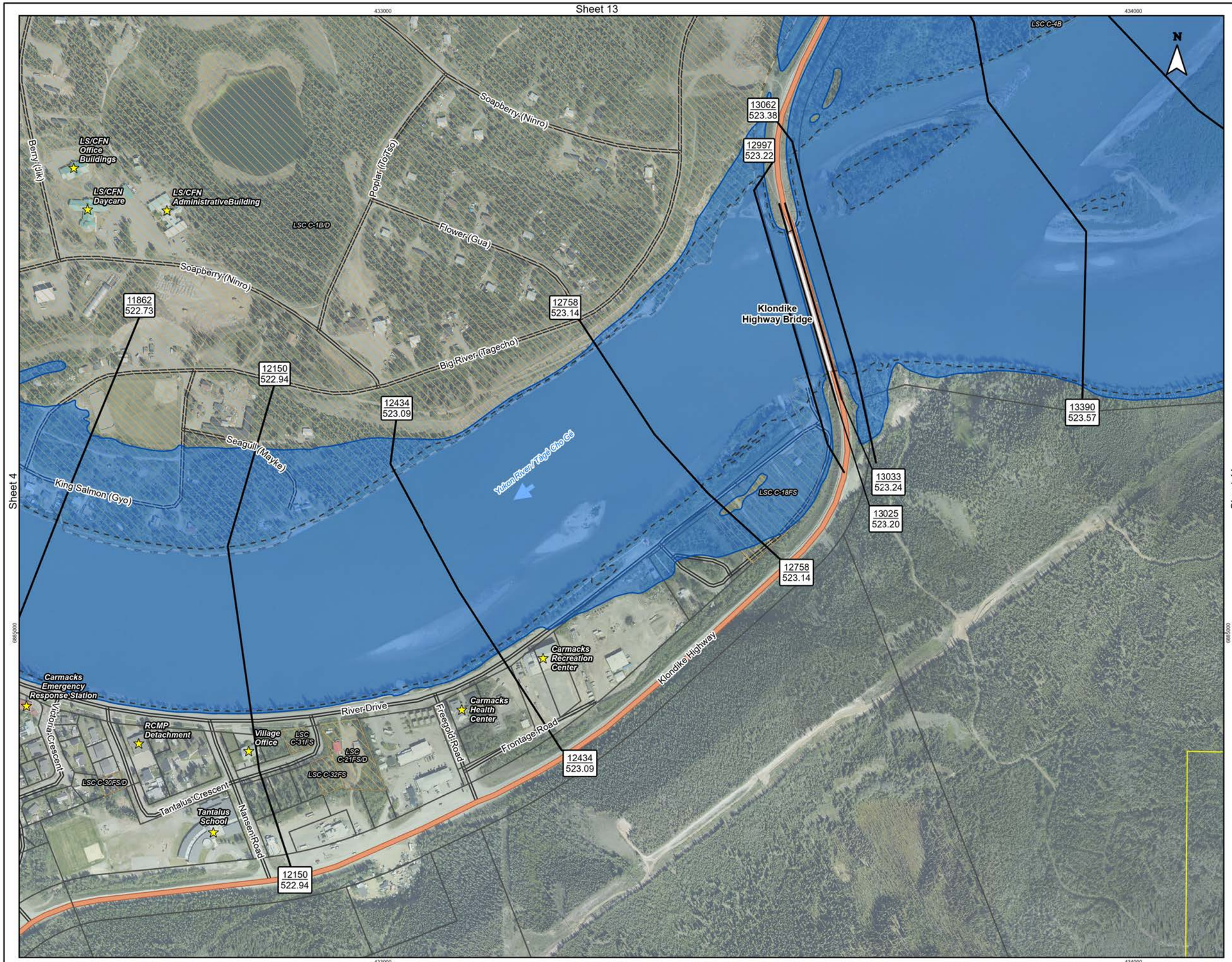


Figure No.

E.4.12 **Sheet 12 of 17**

Title:

Carmacks Flood Mapping Study
Composite Flood Hazard Extents
0.5% Annual Exceedance Probability (AEP)

Client/Project:

Government of Yukon
Department of Environment
Water Resources Branch

Project: 123222320

Project Location:

Carmacks, Yukon

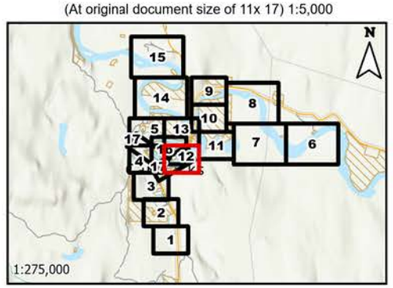
Prepared by MANDERSON on 2024-05-21
Requested by JMUIRHEAD on 2024-01-07
Review by JMUIRHEAD on 2024-05-21

- 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
- 57 / 517.2 — 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.

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