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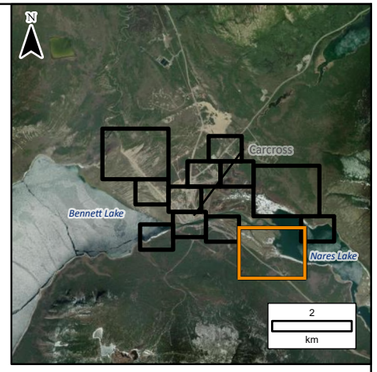

LEGEND:

- 657.00 — Inundation Level
- (657.18) — Inundation Level with Wave Run Up
- Bridge
- Culvert
- Major Road
- Local Road
- 5m Index LiDAR Contour
- 1m LiDAR Contour
- Extent of Mapping
- Average Annual Peak Water Level Inundation Extent
- 0.5% AEP Climate Change Flood Inundation Boundary
- Potential Additional Inundation Due to Wave Runup for the 0.5% AEP Climate Change Flood
- First Nation Settlement Lands - Surveyed

NOTES:

1. AEP corresponds to the Annual Exceedance Probability.
2. Inundation extents are based on LiDAR based elevation model from October 2019, when the LiDAR data was captured. LiDAR data provided by Yukon Government and validated by Natural Resources Canada. Changes to the ground surface after October 2019, or temporary flood protection works that were removed prior to October 2019 are not represented in the inundation extents.
3. Ground surface representation is provided at a 1m spatial resolution. Features smaller than this resolution may not be well-represented.
4. Imagery provided by ESRI, captured on July 20, 2021.
5. Average annual peak water level inundation extent based on 2004 aerial photos provided by the Yukon Government.
6. This project is funded in part by the Government of Canada.

25 0 25 50 75 100
Meters

SCALE: 1:5,000 METRIC 11"x17"

All units are metric and in metres unless otherwise specified. Transverse Mercator Projection, NAD83 Yukon Albers CSRS. Elevations are in metres above sea level (MSL). Canadian Geodetic Vertical Datum 2013 (CGVD2013).

NO.	YY/MM/DD	DESCRIPTION	ISSUED BY	CHECK BY
0	24/04/29	ISSUED AS FINAL	ALW	BJI

REVISIONS / ISSUE

KGS GROUP

Yukon Canada

SOUTHERN LAKES FLOOD MAPPING STUDY

ESTIMATED 0.5% ANNUAL EXCEEDANCE PROBABILITY (AEP) EVENT UNDER CLIMATE CHANGE CONDITIONS - CARCROSS

APRIL 2024 | SHEET 7 OF 12 | REV.: 0

FileName: P:\Projects\2022\22-2708-001\Design\GIS\Data\ArcPro\Inundation Mapping\Inundation Mapping\Inundation Mapping.aprx 22-2708-001-Carcross 0.5p AEP Climate Change
11"x17" PLOT SCALE 1:1