

Name of Collection

Fredericton Historical Aerial Photo Orthomosaic 1924

Description of Collection

Historical aerial photo orthomosaic of Fredericton, July 15th, 1924. Created from a series of 28 aerial photo survey images. The images that comprise the mosaic were provided as digital TIFFs (1200dpi) to the Geodesy and Geomatics Engineering Department (Remote Sensing Group/Dr. Yun Zhang) at the University of New Brunswick for the *Three Cities New Brunswick Project* (3CT-NB, Dr. Sasha Mullally, Dr. Yun Zhang) by the National Air Photo Library in 2022, with an additional image becoming available in 2024. The digital collection is currently held on the UNB GGE Remote Sensing server, *datavault*.

Capture

Photographic Capture

Roll	KA32
Air Photos in Orthomosaic	001, 002, 007, 008, 015-018, 026-029, 037-040, 048-055, 061-064

Flight structure

Single flight over one day

Relationship between images

Aerial photo survey captured as individual images along survey flight lines.

Geographic scope of the flight

Fredericton and surrounding area.

Purpose of the flight

Unknown

Employing organization or company

Unknown

Commissioning body

Canadian Federal Government

Original Custody & Early Handling

Initial owner/custodian

Aerial photo negatives and prints were initially held by the Air Board of Canada (1924) and then transitioned to the management of the Interdepartmental Committee on Air Surveys and the National Air Photo Library (1925), within the Department of the Interior, in Ottawa, ON.

Length of time held by original custodian

Within the year of capture (1924) to the year the Interdepartmental Committee on Air Survey and the National Photo Library (1925) were established.

Original format

70mm film and contact prints.

Evidence of original sequencing or labeling

Individual imagery is labeled within each image and contains numbering and sequencing based on survey flight lines (Fig. 1). An internal historical flight index document used by the National Air Photo Library also contains air photo roll and photo sequencing (Fig. 2).

Figure 1

Fredericton 1924 aerial photo flight sequencing labels

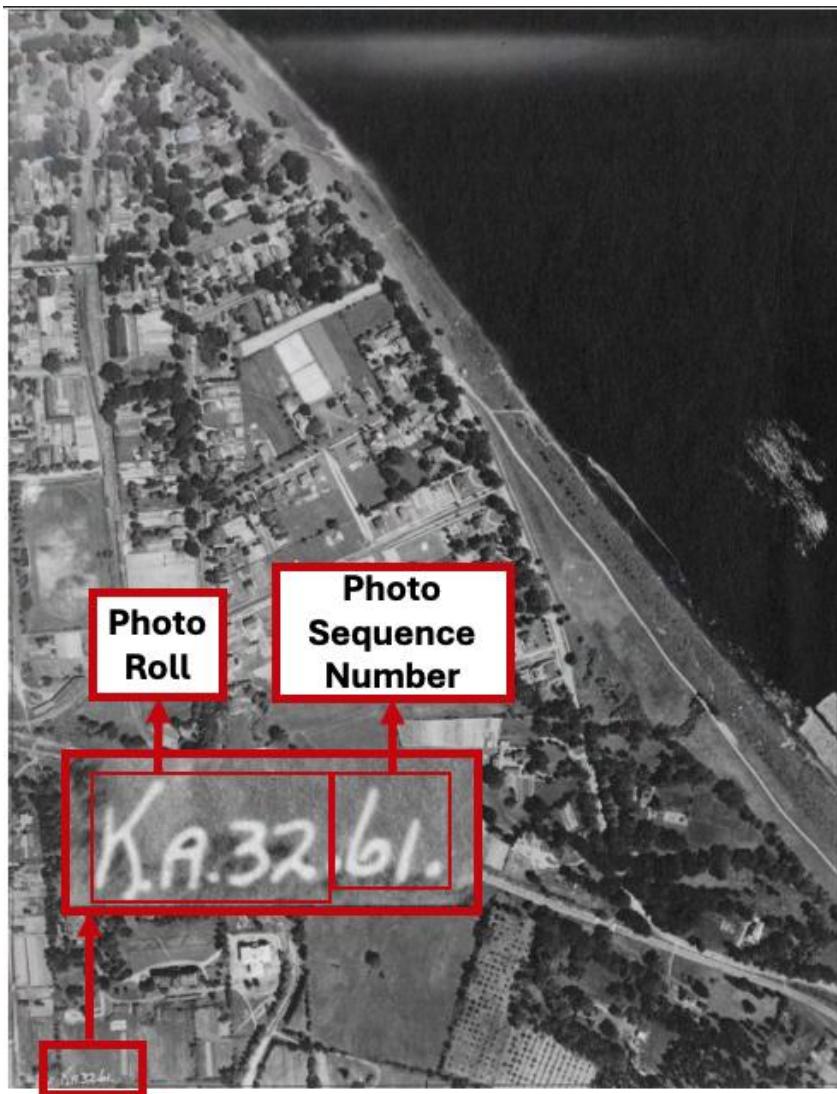
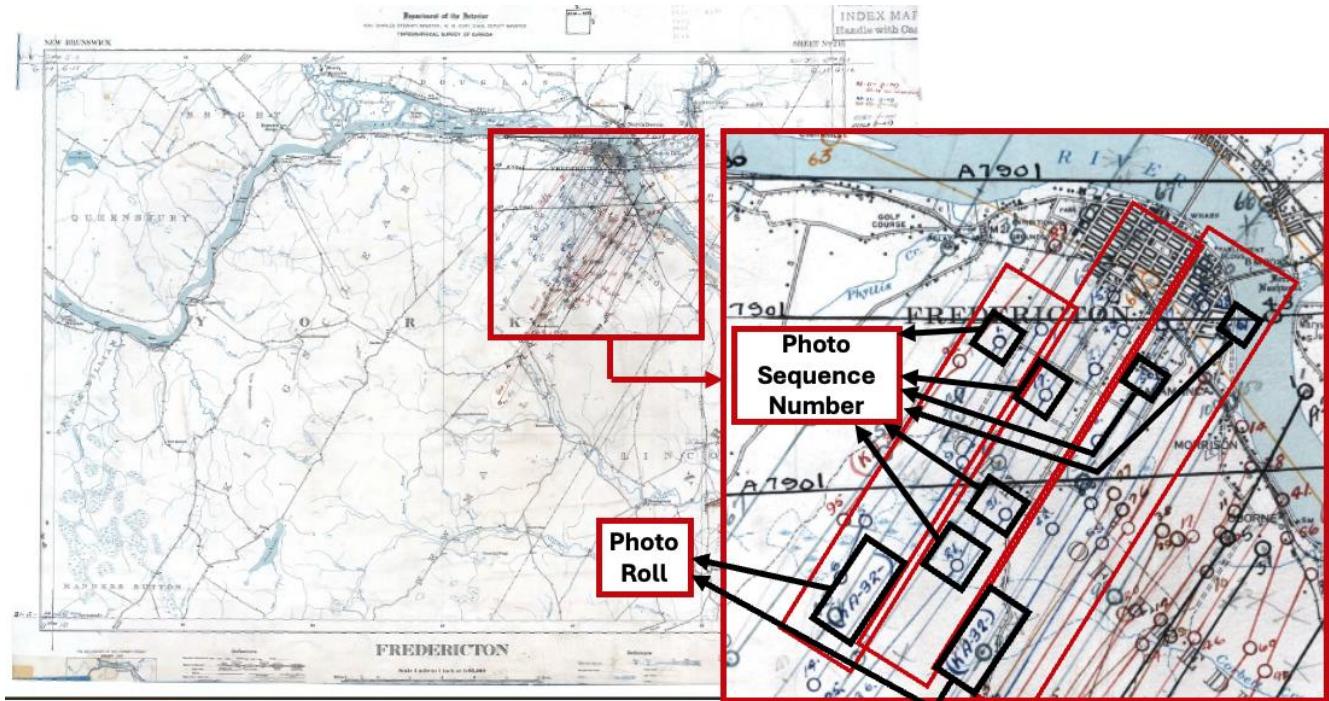


Figure 2

National Air Photo Library internal historical flight index document



Transfer to Archives

Tracking how the material moved through institutions.

Chain of custody summary

The imagery in the mosaic originates from the National Air Photo Library, digitally developed from a contact print. Digital imagery was then acquired by the Geodesy and Geomatics Engineering Department (GGE, Remote Sensing Group/Dr. Yun Zhang) at the University of New Brunswick (UNB) for the *Three Cities New Brunswick Project* (3CT-NB, Dr. Sasha Mullally, Dr. Yun Zhang).

All digitized imagery was processed by the geomatics analyst in the 3CT-NB Project in GGE at UNB (2022) and is currently held on the UNB GGE Remote Sensing project server, *datavault*.

Source of acquisition for AIM Project & Format

National Air Photo Library

28 TIFFs (1200dpi)

Known storage environments

Film vault (film negatives) and climate controlled storage (contact prints) at National Air Photo Library, Ottawa, ON.

Technical Provenance

The imagery was georeferenced in ArcGIS Pro (2022), mosaicked in PCI Geomatica (2022, 2023), orthomosaicked in ArcGIS Pro (2023) then refined and orthomosaicked again in ArcGIS Pro in 2025.

Additional information and sources

National Air Photo Library internal document of historical flight index information