

Name of Collection

Fredericton Historical Aerial Photo Orthomosaic 1995

Description of Collection

Historical aerial photo Orthomosaic of Fredericton over several days in 1995. Created from a series of 859 aerial photo survey images collected between May 23rd and May 28th, 1995. The images that comprise the mosaic were provided as analog prints 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 Felix McCarthy, GIS Analyst at the City of Fredericton in 2021. The analog prints from the City of Fredericton were then digitized by the Provincial Archives of New Brunswick (PANB – P960) in 2021 and are currently held in the Geodesy and Geomatics Department in the Remote Sensing Lab, University of New Brunswick.

Capture

Photographic Capture

| Roll | 95027 | 95028 | 95029 | 95030 | 95031 |
|---------------------------|-----------------------------|--------------------------------|--|-----------------------------|--|
| Capture Date | May 23 rd , 1995 | May 23 rd , 1995 | May 25 th , 1995 | May 28 th , 1995 | May 28 th , & May 31 st (Line 27W;22-44), 1995 |
| Line | 14W, 13E, 10W, 12E, 11W | 9E, 8W, 7E, 15W, 16E, 17W, 18E | 23W, 21E, 19W, 22E, 20W, 24E, 25W, 26E | 5E, 4W, 3E, 1W, 6E, 2W | 32W, 27W, 31E, 28W, 30W, 29E |
| Air Photos in Orthomosaic | 1-70, 72-95, 97-205 | 1-22, 24-86, 89-117, 119-196 | 1-25, 27-174, 176-193 | 1-147 | 1-61, 63-128 |

Flight structure

Several flights over several days.

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

Hauts Monts Inc.

Commissioning body

City of Fredericton

Original Custody & Early Handling

Initial owner/custodian

Aerial photo prints initially held by the City of Fredericton.

Length of time held by original custodian

Within the year of capture (1995) to 2021.

Original format

Analog photo prints

Evidence of original sequencing or labeling

Individual imagery contains numbering and sequencing based on the flight index (Fig. 1), with the sequencing and labelling further detailed on first image of each roll (Fig. 2).

Figure 1

Fredericton 1995 aerial photo flight index

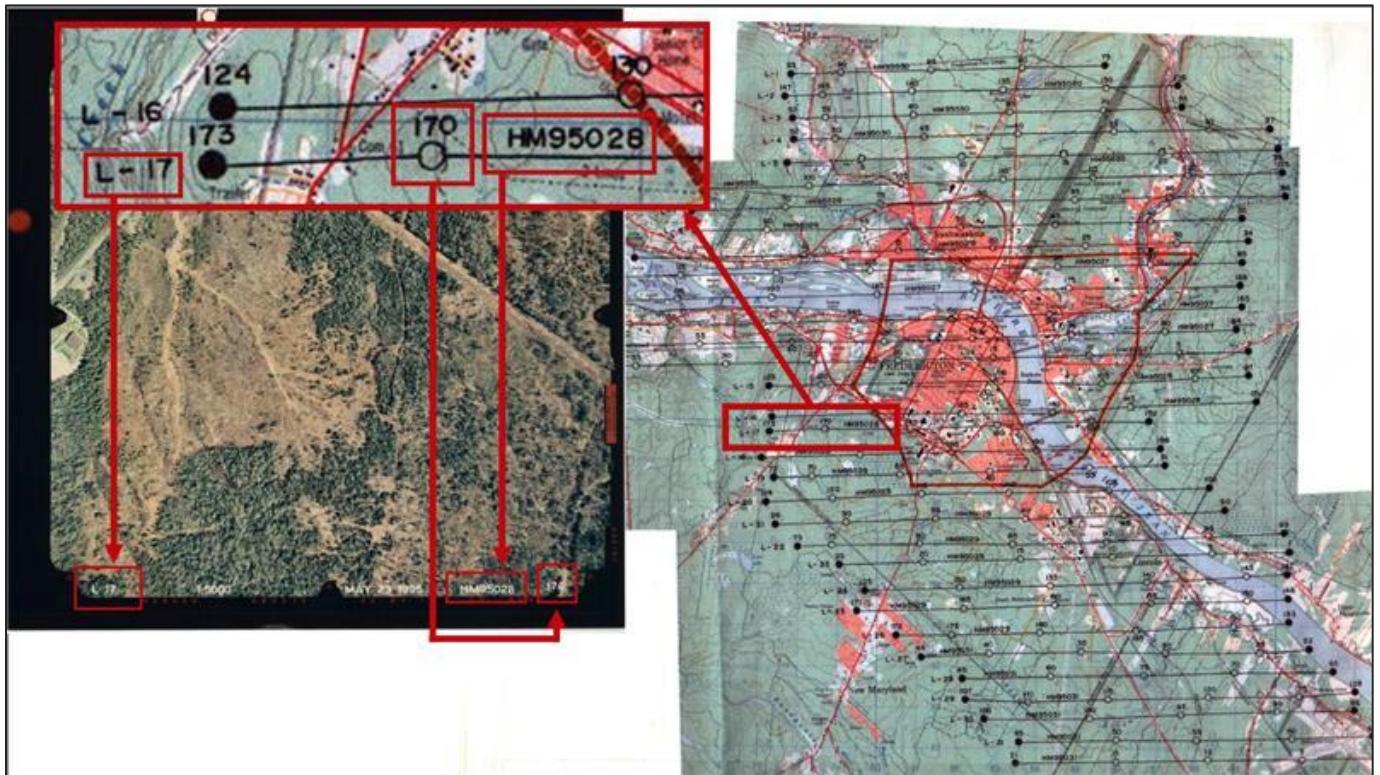


Figure 2

Fredericton 1995 aerial photo labelling – connection between labels on first print of each roll and all annotated prints



Transfer to Archives

Tracking how the material moved through institutions.

Chain of custody summary

The imagery in the mosaic originates from the City of Fredericton held as 859 colour analog prints from within its year of capture (1995) until the summer of 2021. The analog imagery was then given to 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) by Felix McCarthy, GIS Analyst at the City of Fredericton (2021). The analog print images were then laid out, organized, missing images logged and given to the Provincial Archives of New Brunswick (PANB – P960) for digitization. The analog prints were then returned to the Geodesy and Geomatics Department and currently are held in the Remote Sensing Lab, Room E13C, UNB Fredericton.

All digitized imagery was then given to the geomatics analyst in the 3CT-NB Project in GGE at UNB (2022) and processed for the 3CT-NB project (2022). The film negatives and the air photography report for the imagery in the mosaic are currently held at the Nova Scotia Aerial Photography Library.

Source of acquisition for AIM Project & Format

City of Fredericton, Felix McCarthy, GIS Analyst, 859 analog prints

Known storage environments

Analog prints (859 prints in four photo boxes in Fredericton City Hall, within capture date (1995 – 2021), E13 Remote Sensing Lab for sorting and interpretation at UNB in GGE (2021), PANB for digitizing (2022), Remote Sensing Lab (Room E13C) at UNB in GGE (2022-present, in original four photo boxes).

Technical Provenance

The imagery was georeferenced in ArcGIS Pro (2022) and then orthomosaicked in ArcGIS Pro (2022).

Additional information and sources

The following documents are also available for this collection:

Air Photography Flight Index