

## Name of Collection

Fredericton Historical Aerial Photo Mosaic 1969

## Description of Collection

Historical aerial photo mosaic of Fredericton, October 1969. Created from a series of 5 aerial photo survey images collected on May 2<sup>nd</sup>, 1969. The images that comprise the mosaic were provided as analog prints (37 air photo prints total, 5 used in the mosaic) 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* (Dr. Sasha Mullally, Dr. Yun Zhang) by Felix McCarthy, GIS Analyst at the City of Fredericton in 2021. They were then digitized by the Provincial Archives of New Brunswick (PANB – P960) in 2022 and are currently held there for permanent preservation.

## Capture

### Photographic Capture

| Roll  | Capture Date               | Pilot       | Navigator | Camera Operator | Air Photos in Orthomosaic | Time of Day |
|-------|----------------------------|-------------|-----------|-----------------|---------------------------|-------------|
| 69002 | May 2 <sup>nd</sup> , 1969 | Y. Gosselin | C. Noreau | C. Noreau       | 019, 020, 040, 041, 042   | 1455-1525   |

### 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 areas.

## Purpose of the flight

Unknown

## Employing organization or company

Aéro Photo Inc.

## Commissioning body

Province of New Brunswick

# Original Custody & Early Handling

## Initial owner/custodian

Aerial photo prints initially held at the City of Fredericton city hall. The Interdepartmental Committee on Air Surveys Air Photography Report was provided by Service Nova Scotia, from the Nova Scotia Aerial Photography Library.

## Length of time held by original custodian

Within the year of capture to 2021.

## Original format

Kodak Double X Aerographic Film

## Evidence of original sequencing or labeling

Individual imagery contains numbering and sequencing based on the available film report issued by the Interdepartmental Committee on Air Surveys, Federal Government of Canada. See figure below.

| INTER-ARTIMENTAL COMMITTEE ON AIR SURVEY<br>AEROPHOTOGRAPHY REPORT                  |                               |                                |                   |                             |                                 |   |                    |   |  |
|---|-------------------------------|--------------------------------|-------------------|-----------------------------|---------------------------------|---|--------------------|---|--|
| Sides 1<br>Contract No.<br>183-2  |                               |                                |                   |                             |                                 |   |                    |   |  |
| Type of Photo:<br>Vertical  | Camera Type:<br>RC5A          | Camera Body No.:<br>325        |                   | Film Type:<br>Double X      | Library Roll No.:<br>69002      |   |                    |   |  |
| Req'd True Alt.<br>12200  | Calibrated F.L.<br>152.04     | Optical Unit No.:<br>15UAG-351 |                   | Expiry Date:<br>7/69        | Contractor's Roll No.:<br>69-25 |   |                    |   |  |
| Average Scale:<br>2000' = 1"  | Filter Type & No.:<br>PAN 2 X | Lens No.:<br>-----             |                   | Emulsion No.:<br>2405-134-6 | Magazine No.:<br>298            |   |                    |   |  |
| Date<br>2-5-69  | Annotated<br>Neg. Nos.        | Line No.<br>&<br>Direction     | Exposure Nos.     |                             | GMT                             | Indicated<br>Altitude at<br>Start of Line | Camera<br>Exposure | REMARKS<br>(Position lines, light,<br>sub-scale<br>setting, etc.) |  |
|   |                               |                                | Start             | Finish                      | Start                           |   |                    | Finish  |  |
|   |                               |                                | 1 to 5 Blanks     |                             | 1/25,000                        |   |                    |   |  |
| NOT USED  | D-E                           |                                | 6                 | 37                          | 14:35 14:42                     | 12500                                     | 6.8/200            | Fredericton area  |  |
| 1 - 20  | D-E                           |                                | 39                | 72                          | 14:55 15:05                     | 12500                                     | 6.8/200            | Sky clear   |  |
| 30 - 40   | C-E                           |                                | 73                | 95                          | 15:20 15:25                     | 12500                                     | 8/200              |   |  |
| 50 - 69   | A-W                           |                                | 97                | 116                         | 15:30 15:40                     | 12500                                     | 8/200              |   |  |
| 70 - 84   | B-E                           |                                | 119               | 134                         | 15:45 15:50                     | 12500                                     | 8/200              |   |  |
|   |                               |                                | 135 Blanks        |                             |                                 |   |                    |   |  |
| 85  | 106                           | A-S                            | 136               | 158                         | 19:00 19:05                     | 12500                                     | 8/200              | Moncton   |  |
| 107   | 129                           | E-N                            | 160               | 184                         | 19:15 19:20                     | 12500                                     | 8/200              |   |  |
| 130   | 152                           | D-S                            | 186               | 209                         | 19:25 19:30                     | 12500                                     | 6.8/200            |   |  |
| 153   | 173                           | C-N                            | 211               | 232                         | 19:40 19:50                     | 12500                                     | 6.8/200            |   |  |
| NOT USED  | B-S                           |                                | 234               | 249                         | 19:55 20:00                     | 12500                                     | 6.8/200            | OFF TRACK   |  |
| NOT USED  | B-N                           |                                | 251               | 267                         | 20:10 20:15                     | 12500                                     | 6.8/200            | OFF TRACK   |  |
| NOT USED  | E-F                           |                                | 269               | 280                         | 20:28 20:35                     | 12500                                     | 5.6/200            | OFF TRACK   |  |
|   |                               |                                | 281 to end Blanks |                             | <i>below in front</i>           |   |                    |   |  |
| ALTIMETRIC DATA   |                               |                                |                   |                             |                                 |   |                    |   |  |
|  |                               |                                |                   |                             |                                 |   |                    |   |  |
| <p style="text-align: center;"><i>691002-19</i></p>                                 |                               |                                |                   |                             |                                 |   |                    |   |  |
| <small>ICAN Standard<br/>Height Temp.</small>                                       |                               |                                |                   |                             |                                 |   |                    |   |  |
| <small>1000 15</small>  |                               |                                |                   |                             |                                 |   |                    |   |  |

## Transfer to Archives

*Tracking how the material moved through institutions.*

## Chain of custody summary

The imagery in the mosaic is part of a 37 image collection that was held at Fredericton City Hall as analog prints near its capture date 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 images were then organized and given to the Provincial Archives of New Brunswick (PANB – P960) for digitization and preservation of the analog imagery (2021). The digitized imagery was then given to the geomatics analyst in the

3CT-NB Project in GGE at UNB 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, 37 analog prints

## Known storage environments

Film (vault, Nova Scotia Aerial Photography Library, current), analog prints (banker box in Fredericton City Hall, within year of capture – 2021), E13 Remote Sensing Lab for sorting and interpretation at UNB in GGE (2021), PANB (digitizing and preservation, 2022 – present)

## Technical Provenance

The imagery was georeferenced in ArcGIS Pro and then mosaicked and enhanced visually in PCI Geomatica.

## Additional information and sources

The following documents are also available for this collection:

Air Photography Report