

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 2nd, 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 nd , 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.

Side 1

INTER: 'ARTMENTAL COMMITTEE ON AIR SUR

AI PHOTOGRAPHY REPORT

Contract No. 183-2	Camera Type RC5A	Camera Body No. 325	Film Type Double X	Library Roll No. 69002
Type of Photo Vertical	Calibrated F.L. 152.04	Optical Unit No. 15UAG-351	Expiry Date 7/69	Contractor's Roll 69-25
Req'd True Alt. 12200	Filter Type & No. PAN 2 X	Lens No. -----	Emulsion No. 2405-134-6	Magazine No. 298
Average Scale 2000' = 1"				

Date	Annotated Neg. Nos.	Line No. & Direction	Exposure No.		GMT		Indicated Altitude at Start of Line	Camera Exposure	REMARKS (Position, base, light, sub-scale setting, etc.)
			Start	Finish	Start	Finish			
2-5-69					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 - 49	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-E	269	280	20:28	20:35	12500	5.6/200	OFF TRACK
					281 to end Blanks				

ALTIMETRIC DATA

ICAN Standard Height Temp.

1000 13

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