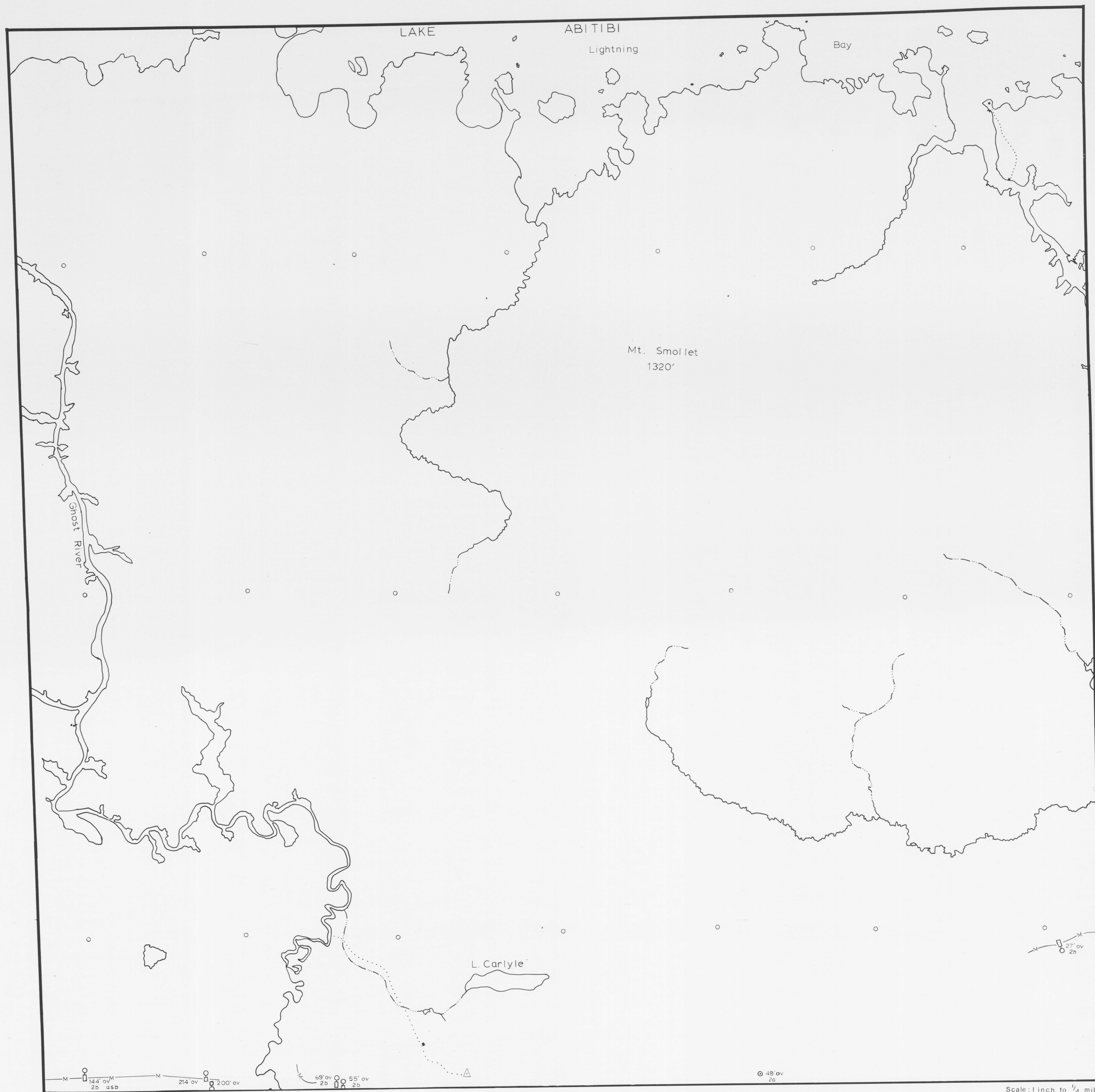
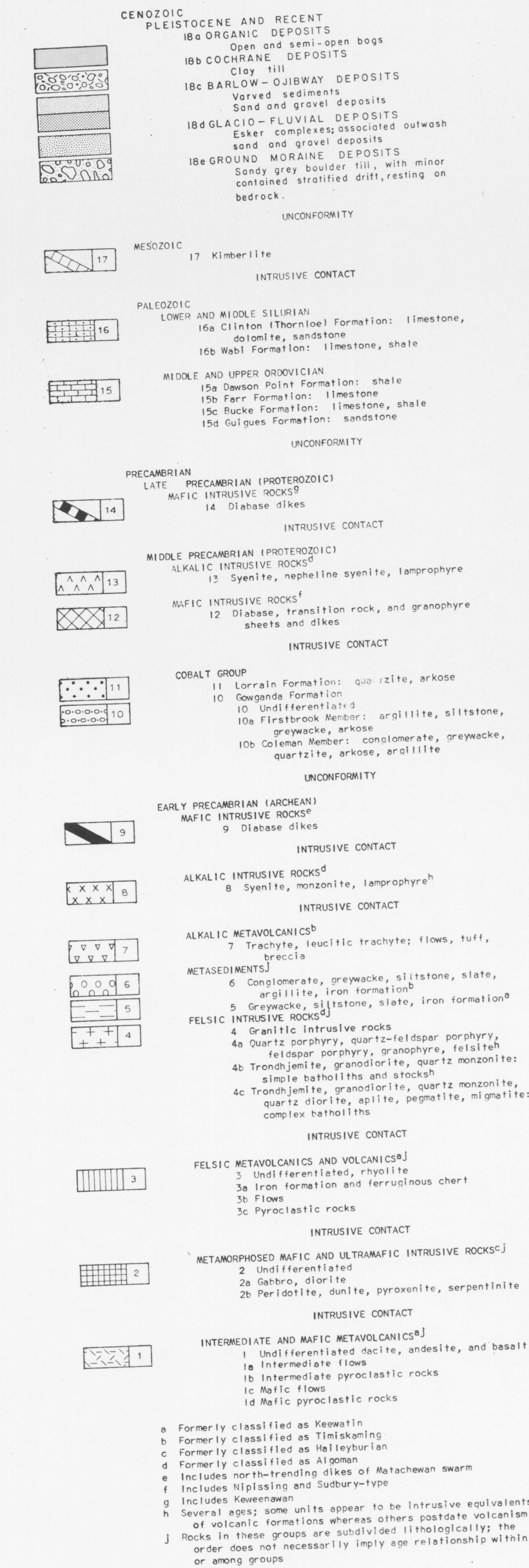


LAMPLUGH TOWNSHIP
DISTRICT OF COCHRANE, ONTARIO

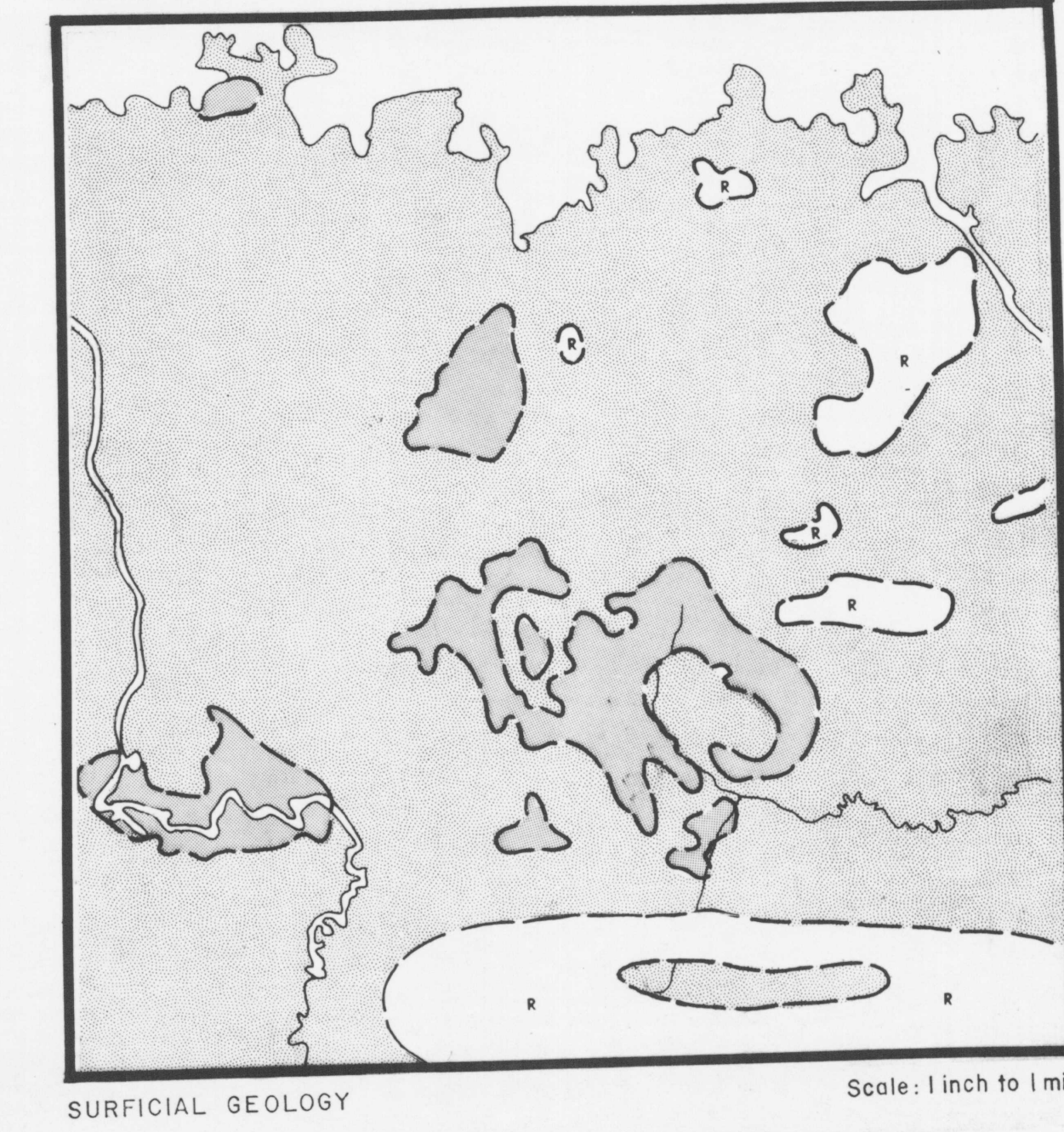
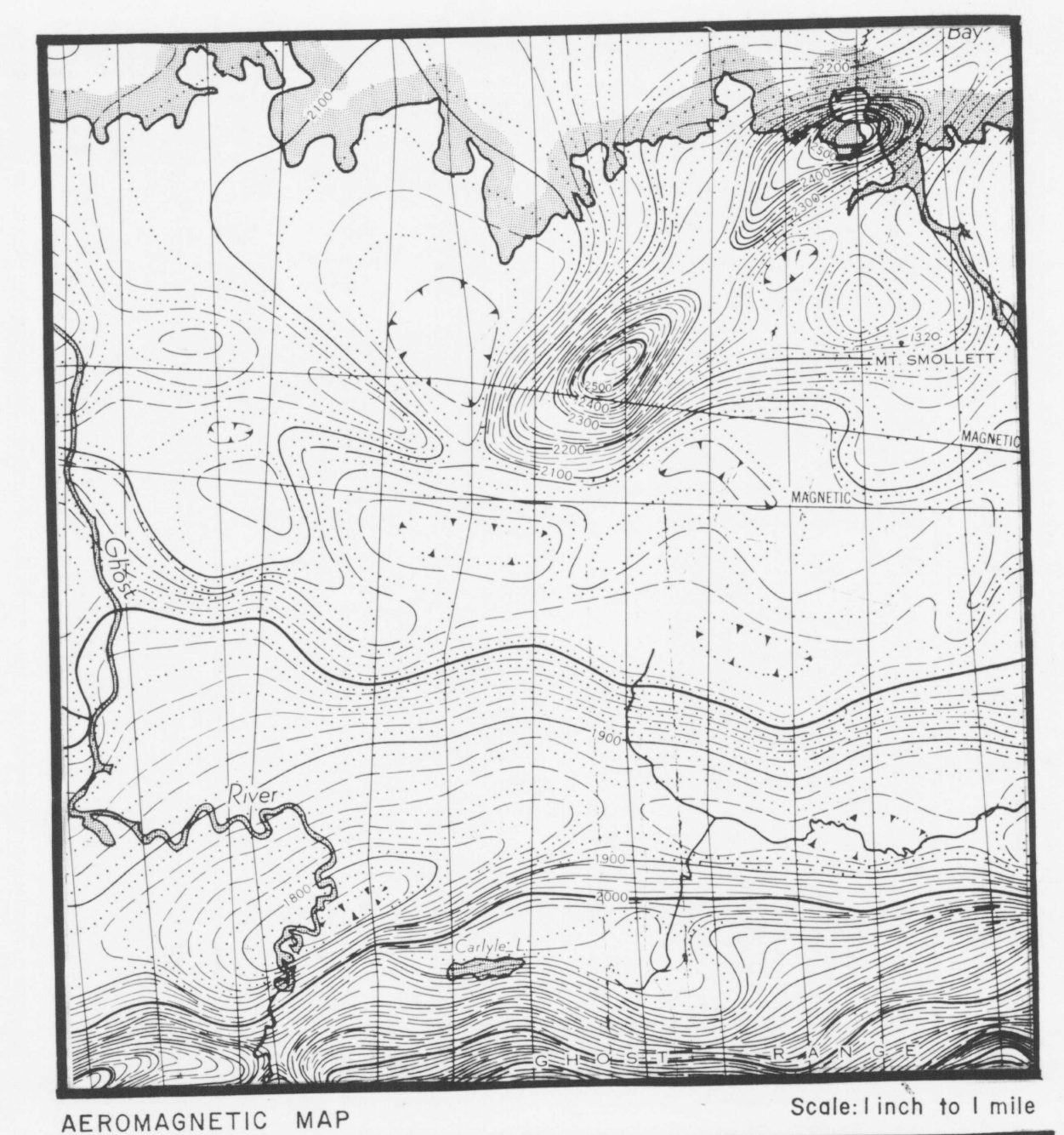
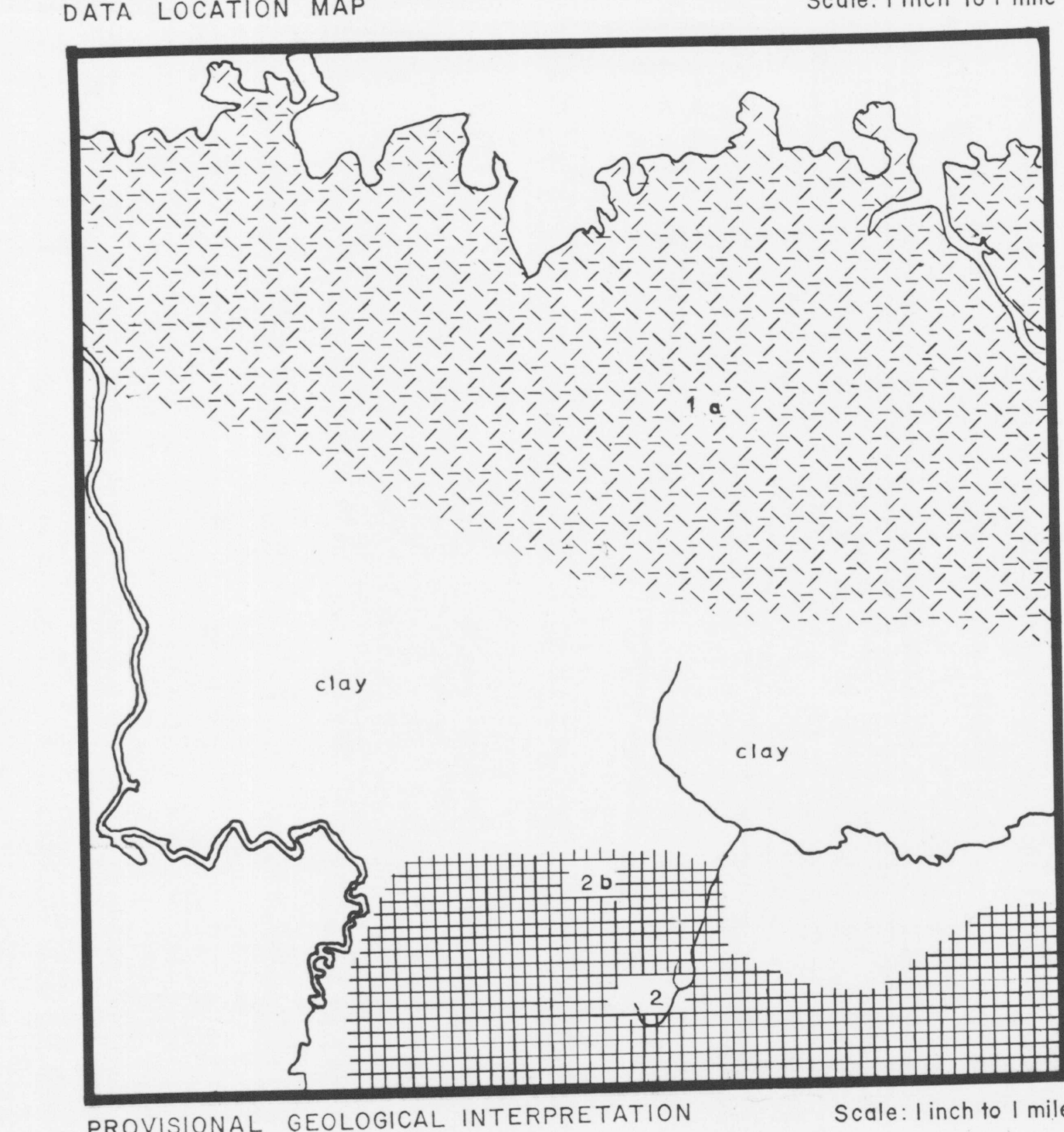
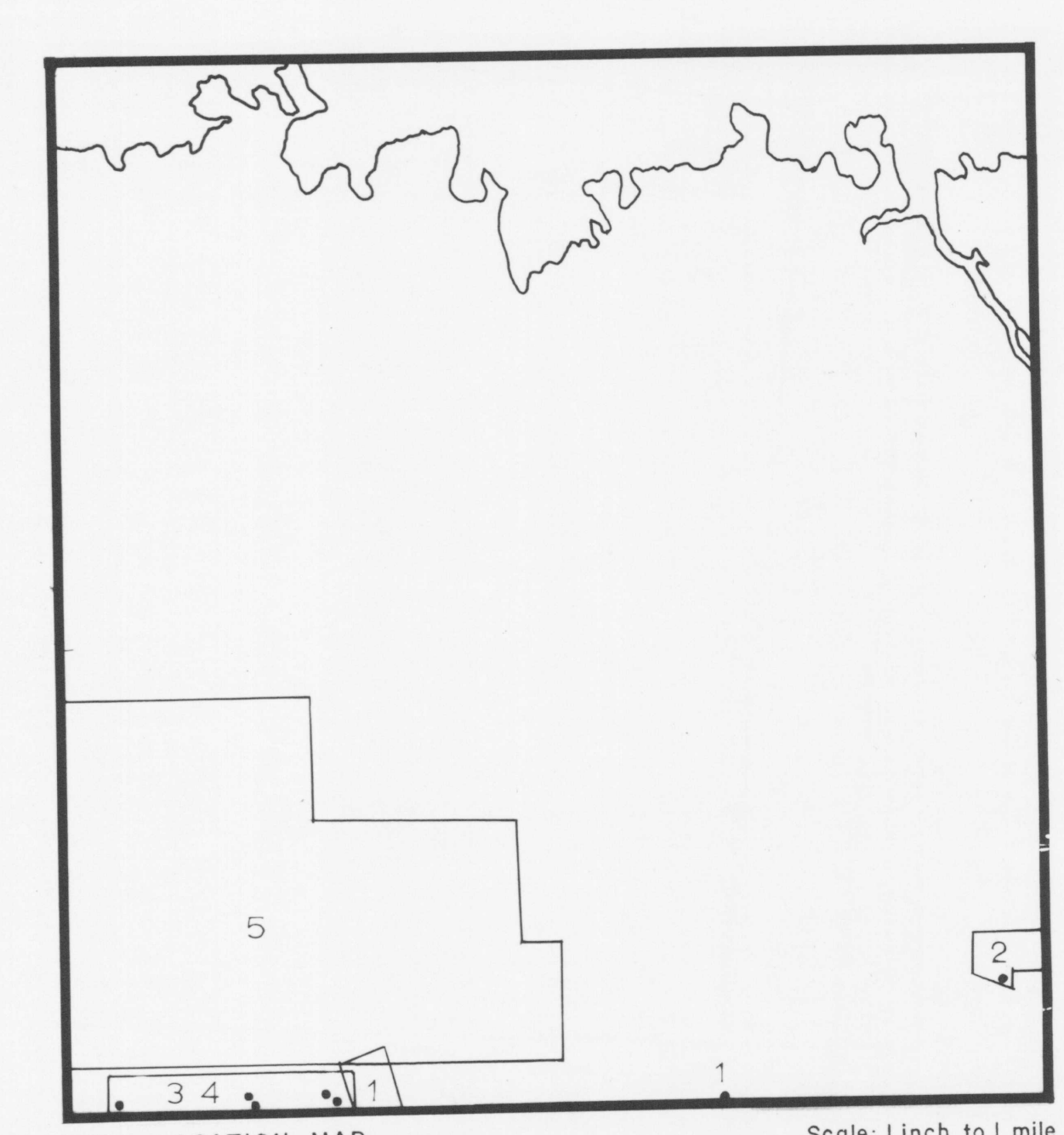


TABLE OF LITHOLOGICAL UNITS
KIRKLAND LAKE DATA SERIES



DATA FILED WITH THE ONTARIO DEPARTMENT OF MINES AND NORTHERN AFFAIRS RESIDENT GEOLOGIST AT KIRKLAND LAKE															
		DIAMOND DRILLING	ALFIBORNE MAGNETOMETER	ALFIBORNE ELECTROMAGNETOMETER	GROUND MAGNETOMETER	VERTICAL LOOP ELECTROMAGNETOMETER	HORIZONTAL LOOP ELECTROMAGNETOMETER	TURM ELECTROMAGNETOMETER	JEM	INDUCED POLARIZATION	VLF	RESISTIVITY	GRAVITY	SEISMOLOGICAL	OTHERS
1.	Canadian Johns-Manville Co. Ltd. "Ghost Mountain"	65			60										
2.	Canadian Johns-Manville Co. Ltd. "Ghost Mountain"	61			61										
3.	Dixon "Group 1"				61										
4.	Hunch Mines Ltd. "West Group"	62													
5.	Keewi Mining Group Ltd.		64	64											

Note: The numbers on the above list stand for the year when the work was done, e.g., 65 for 1965. On the accompanying DATA LOCATION MAP, only areas for which work was submitted to the Department are outlined, and thus a company may hold more ground than indicated here. The numbers on the DATA LOCATION MAP and any circled numbers refer to the company list above.



- GEOLOGICAL AND MINING SYMBOLS FOR KIRKLAND LAKE DATA SERIES**
- Glacial striae
 - Esker, medial ridge
 - Small bedrock outcrop
 - Bedding, top unknown
 - Bedding, top (arrow) from grain gradation
 - Bedding, top (arrow) from cross bedding
 - Lava flow; top (arrow) from pillow shape and packing
 - Schistosity (horizontal, inclined, vertical)
 - Discontinuity (horizontal, inclined, vertical)
 - Layering (horizontal, inclined, vertical)
 - Lineation with plunge
 - Geological boundary, observed
 - Geological boundary, position interpreted
 - Geological boundary, deduced from geophysics
 - Fault (observed, assumed)
 - Spot indicates down throw
 - Side arrows indicate horizontal movement
 - Lineament
 - Jointing (horizontal, inclined, vertical)
 - Drag folds with plunge
 - Anticline, syncline, with plunge
 - Drill hole; (projected vertically), Overburden above
 - Drill hole in overburden only; (vertical or collared, inclined), Overburden shown
 - Shaft; depth in feet
 - Mineral occurrence at surface
 - Airborne electromagnetic anomaly (Canadian Aero System)
 - Airborne electromagnetic anomaly (Quadrant 6 Channel Input System)
 - 2 channel response
 - 3 channel response
 - 4 channel response
 - 5 channel response
 - 6 channel response and coincident magnetic anomaly
 - Airborne magnetometer anomaly
 - Ground magnetometer anomaly
 - Ground magnetometer anomaly (Canadian Aero System)
 - Ground electromagnetic conductor (VEM-Vert-loop; VEM-Horiz-loop; VEM-Loop; VEM-Crone ID-16)
 - Induced Polarization anomaly
 - Spontaneous Polarization anomaly
 - Gravity anomaly
 - Radiometric anomaly
 - Resistivity anomaly

METAL AND MINERAL REFERENCE
For Kirkland Lake Data Series

Ag Silver	no Molybdenite
asb Asbestos	ni Nickel
au Gold	pb Lead
ca Calcium	pd Palladium
co Cobalt	pe Pyrite
cp Chalcopyrite	pt Platinum
cr Chromium	py Pyrite
cu Copper	qu Quartz
ep Epidote	qc Quartz-carbonate vein
fe Iron	wp Wepelite
fl Fluorite	sp Sphalerite
gn Garnet	st Siderite
gr Graphite	tal Talc
mg Magnesite	ta Tantalite
mar Marcasite	zn Zinc
si Silicite	

Sources of Information
Compiled by the Geological Survey of Canada in co-operation with the Ontario Department of Mines and Northern Affairs from data on file with the Resident Geologist (Ontario Department of Mines and Northern Affairs), Kirkland Lake.

NTS Reference 32 5/12
CGM-626 Aeromagnetic Top 1:50
CGR Geological Compilation Series Map 2026

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104
JUN 1972
GEOLOGICAL SURVEY
OTTAWA

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