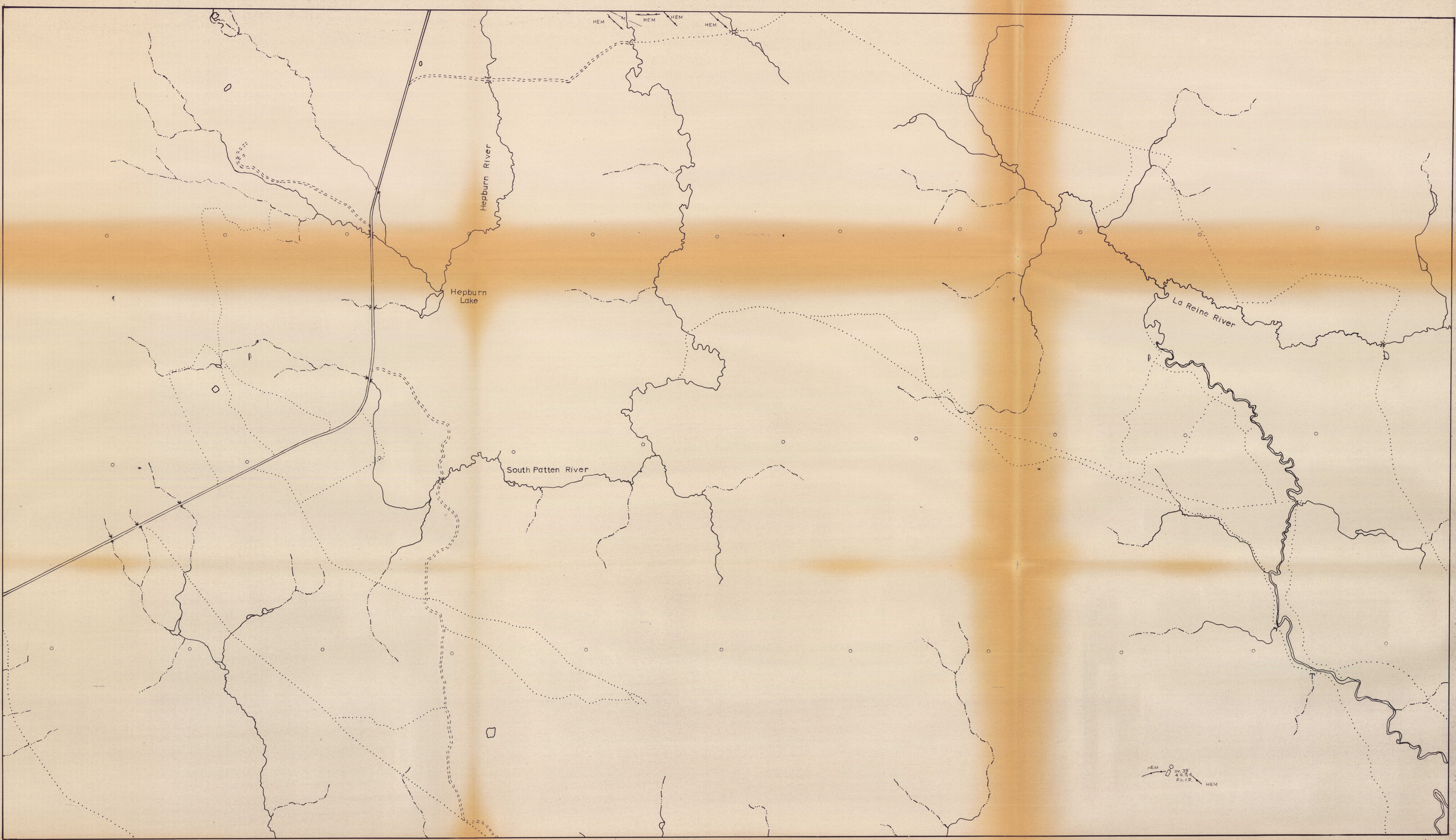
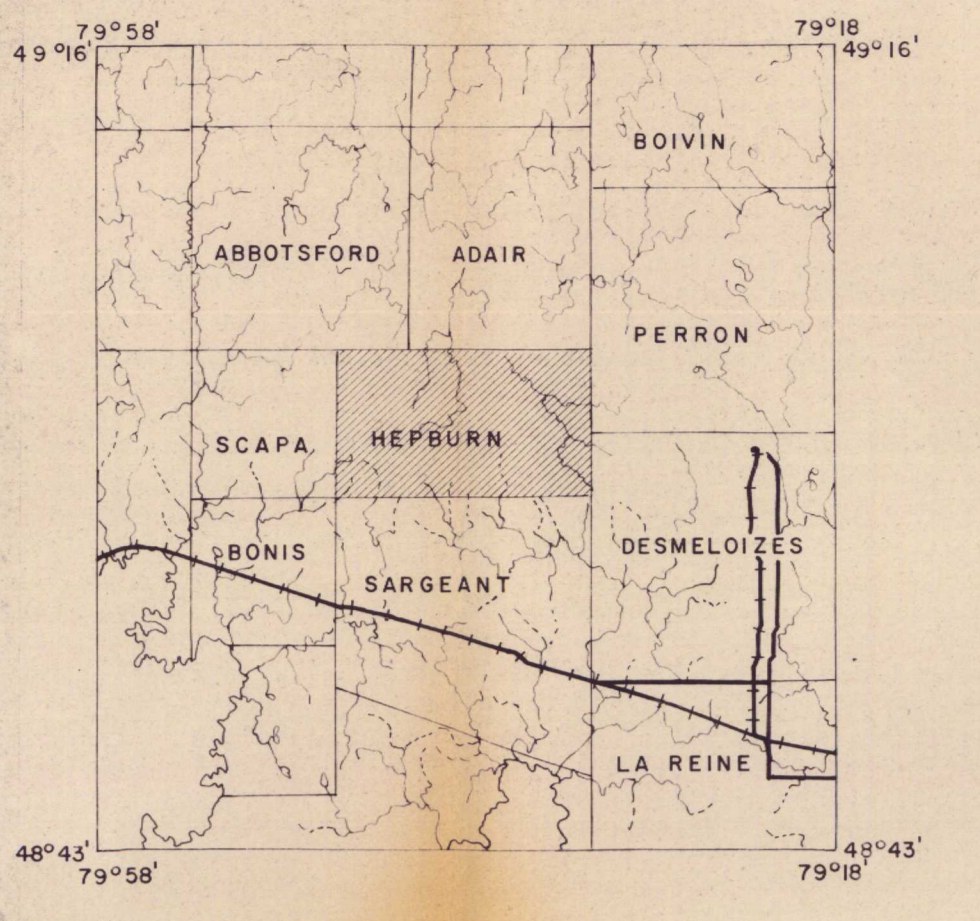


**HEPBURN TOWNSHIP**  
DISTRICT OF COORNAE, ONTARIO



- GENETIC PRE-CAMBRIAN AND RECENT**
- HEB ORGANIC DEPOSITS: Sand and siltstone beds
  - HEB COCCINE DEPOSITS: Clay
  - HEB BARRE DEPOSIT: Sandstone
  - HEB SARGENT DEPOSIT: Sandstone
  - HEB SCAPPA DEPOSIT: Sandstone
  - HEB ADIR DEPOSIT: Sandstone
  - HEB ABOTTSPORD DEPOSIT: Sandstone
  - HEB BOWIN DEPOSIT: Sandstone
  - HEB PERRON DEPOSIT: Sandstone
  - HEB LA REINE DEPOSIT: Sandstone
  - HEB DESMELODES DEPOSIT: Sandstone
  - HEB SARGEANT DEPOSIT: Sandstone
  - HEB BONNS DEPOSIT: Sandstone
- PROTEROZOIC**
- 17: Middle Proterozoic (17) - Sandstone, shale
  - 18: Middle Proterozoic (18) - Sandstone, shale
  - 19: Middle Proterozoic (19) - Sandstone, shale
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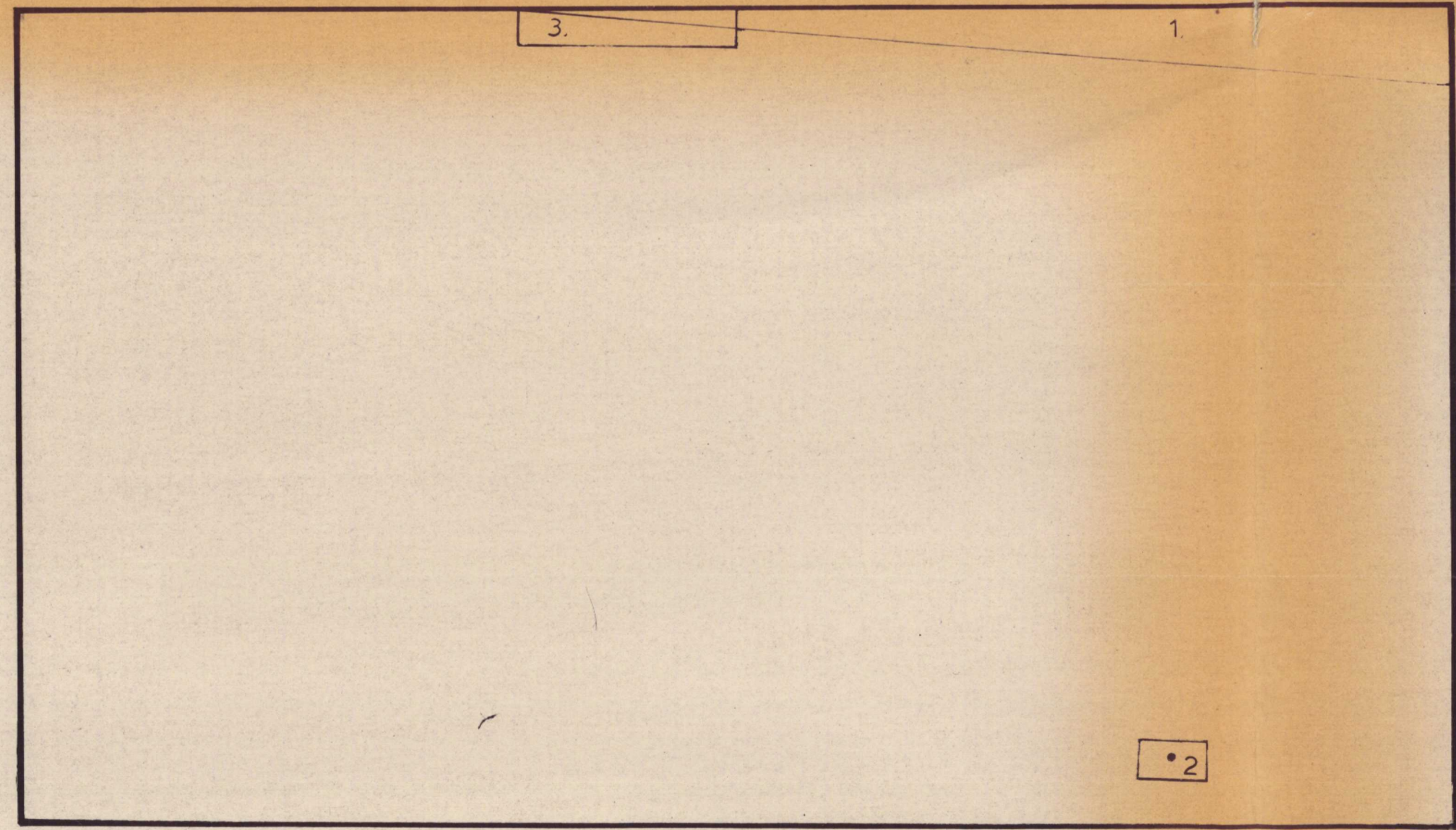
Scale 1 inch to 1/2 mile

DATA FILED WITH THE ONTARIO DEPARTMENT OF MINES AND NORTHERN AFFAIRS  
RESIDENT GEOLOGIST AT KIRKLAND LAKE Through February 1972

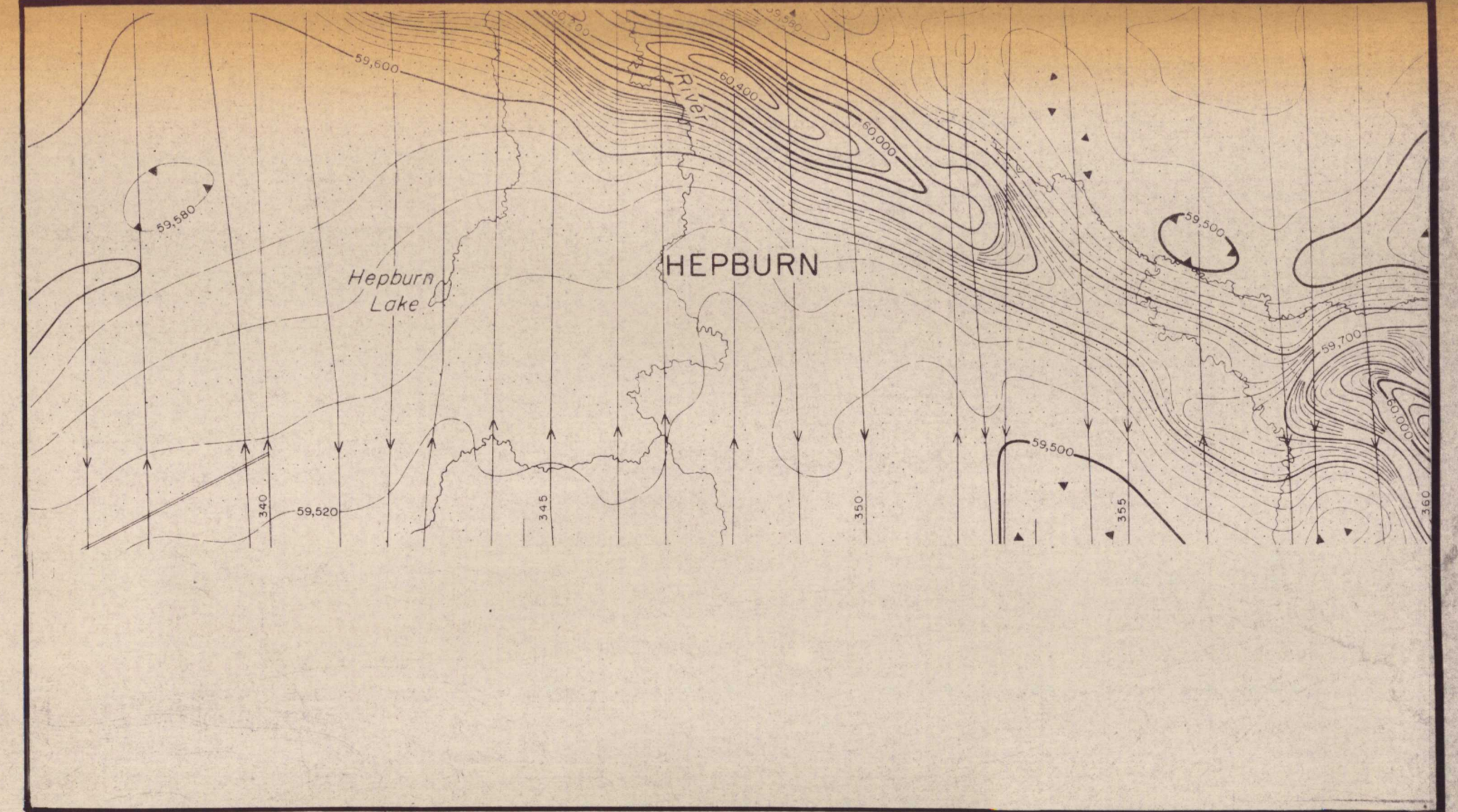
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1. Canadian Javelin Ltd.		66	65	65									
2. Canadian Superior Exploration Ltd.													
3. Silverplace Mines Ltd.													

Note: The numbers on the above list stand for the year when the work was done, e.g., 66 for 1966. 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.

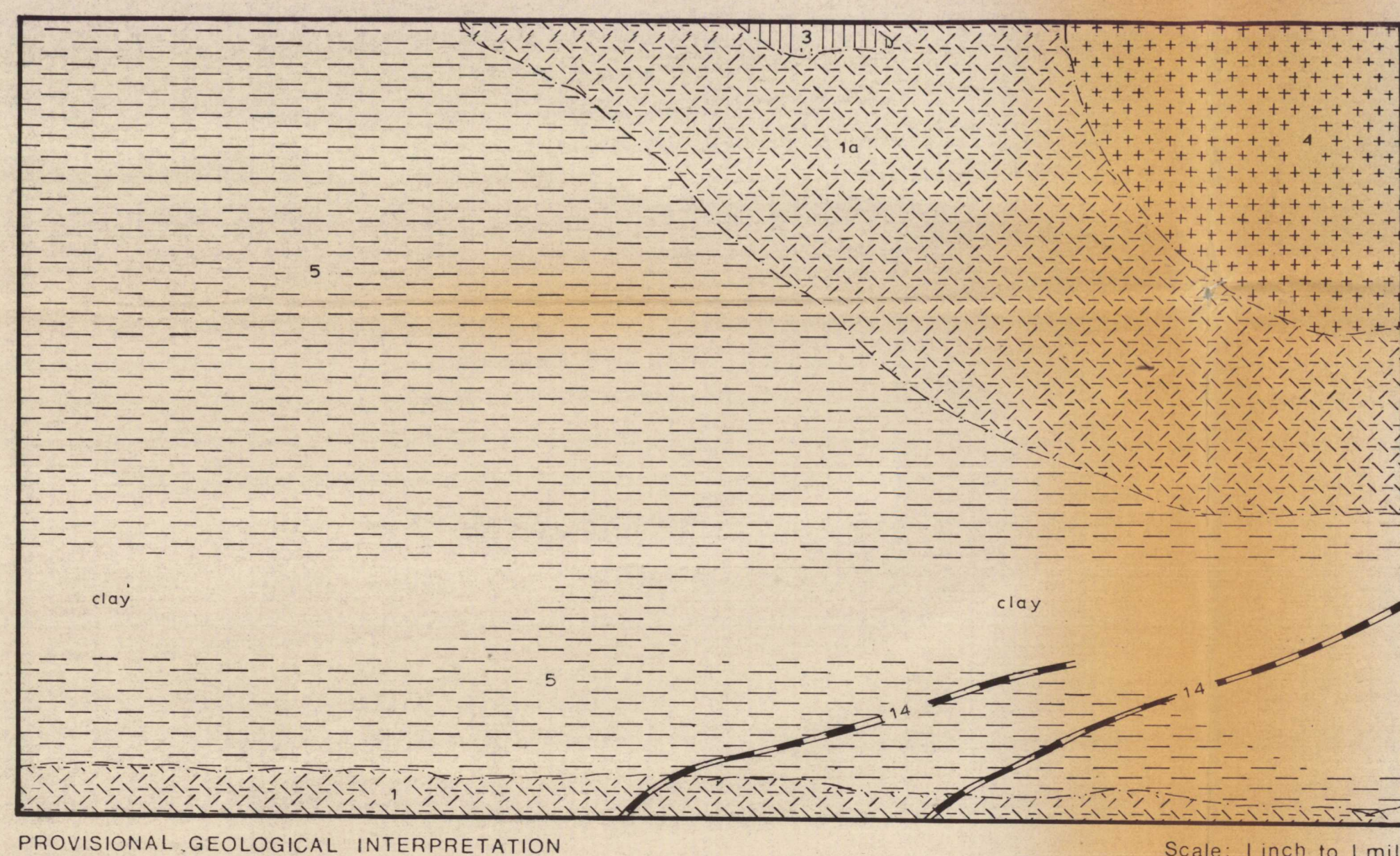
OPEN FILE  
MAR 1972  
GEOLOGICAL SURVEY  
OTTAWA



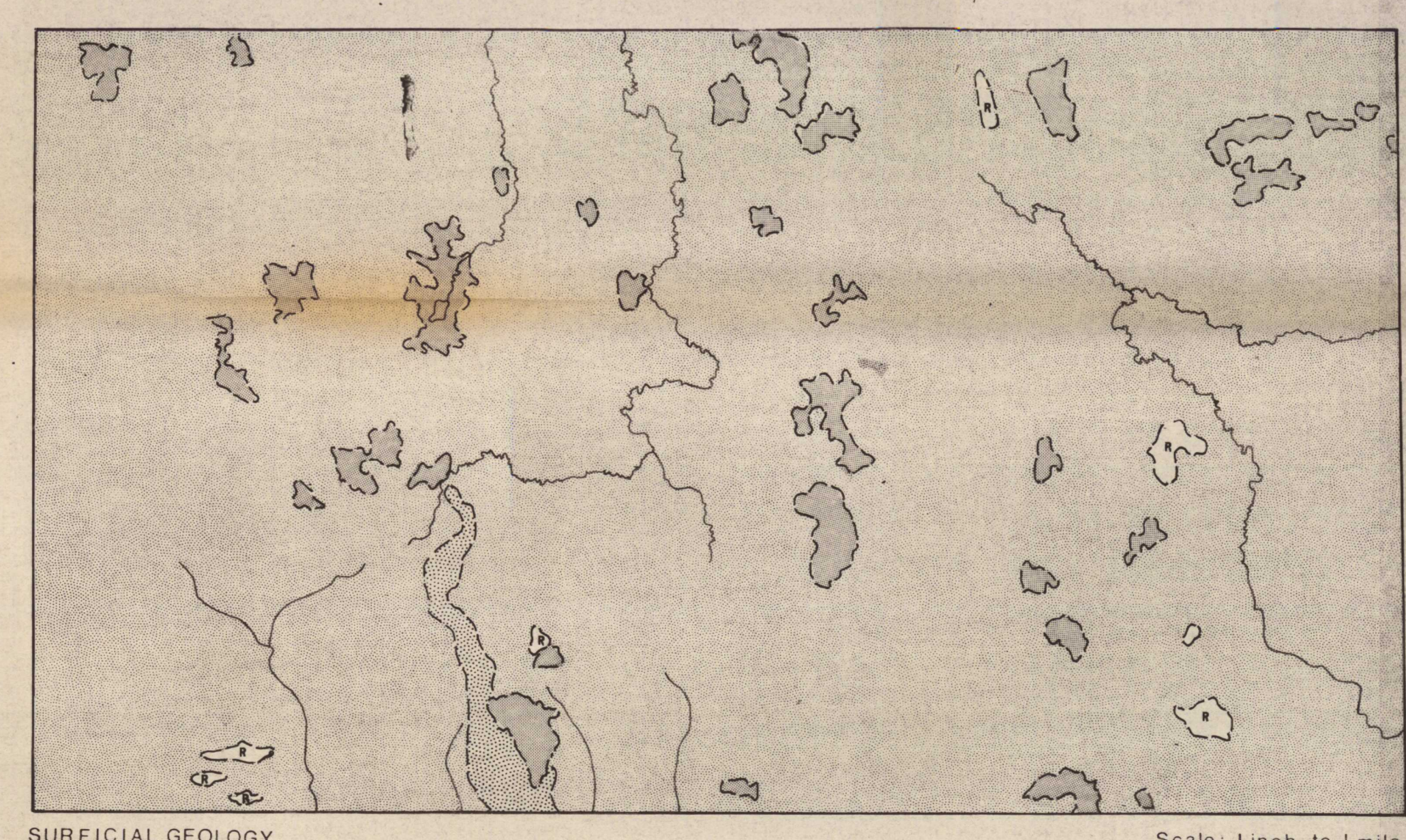
DATA LOCATION MAP Scale 1 inch to 1 mile



AEROMAGNETIC MAP Scale 1 inch to 1 mile



PROVISIONAL GEOLOGICAL INTERPRETATION Scale 1 inch to 1 mile



SURFICIAL GEOLOGY Scale 1 inch to 1 mile

- GEOLOGICAL AND MINERAL SYMBOLS FOR KIRKLAND LAKE DATA SERIES**
- 1: General strike
  - 2: Fault, normal
  - 3: Fault, thrust
  - 4: Fault, strike-slip
  - 5: Fault, normal, stepped
  - 6: Fault, thrust, stepped
  - 7: Fault, strike-slip, stepped
  - 8: Fault, normal, stepped, with plunge
  - 9: Fault, thrust, stepped, with plunge
  - 10: Fault, strike-slip, stepped, with plunge
  - 11: Fault, normal, stepped, with plunge
  - 12: Fault, thrust, stepped, with plunge
  - 13: Fault, strike-slip, stepped, with plunge
  - 14: Fault, normal, stepped, with plunge
  - 15: Fault, thrust, stepped, with plunge
  - 16: Fault, strike-slip, stepped, with plunge
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  - 99: Fault, thrust, stepped, with plunge
  - 100: Fault, strike-slip, stepped, with plunge

**METAL AND MINERAL REFERENCE**  
For Kirkland Lake Data Series

Aa	Asbestos	As	Asphaltum
Ab	Barite	Ba	Baryte
Ac	Biotite	Bi	Biotite
Ad	Calcite	Ca	Calcite
Ae	Coal	Co	Coal
Af	Chalcopyrite	Cp	Chalcopyrite
Ag	Chromite	Cr	Chromite
Ah	Copper	Cu	Copper
Ai	Dolomite	Do	Dolomite
Aj	Fluorite	Fl	Fluorite
Al	Gypsum	Gu	Gypsum
Am	Galena	Ga	Galena
An	Malachite	Ma	Malachite
Ao	Marcasite	Ms	Marcasite
Ap	Mica	Mi	Mica
Aq	Molybdenite	Mo	Molybdenite
Ar	Nickel	Ni	Nickel
As	Pyrite	Py	Pyrite
At	Pyrrhotite	Pp	Pyrrhotite
Av	Pyrochlore	Pc	Pyrochlore
Aw	Quartz	Qtz	Quartz
Ax	Quartzite	Qtz	Quartzite
Ay	Serpentine	Ser	Serpentine
Az	Siderite	Si	Siderite
Ba	Spinel	Sp	Spinel
Bb	Sphalerite	Sph	Sphalerite
Bc	Talc	Tal	Talc
Bd	Tin	Ti	Tin
Be	Zinc	Zn	Zinc

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.

1972 Reference 32 5/A, 32 5/B  
GSC Memoir 32 5/A, 32 5/B  
Ont. Geological Survey Series 3064, 3065, 3066, 3067  
GSC Geological Report 86.14