GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

LEGEND

CENOZOIC

PLEISTOCENE AND RECENT

- 12 — *Till, sand, gravel and derived soils; eluvium, alluvium*

MESOZOIC

CRETACEOUS

- 11 — *Quartz-feldspar porphyry (age relative to 10 uncertain)*
- 10 — *Quartz monzonite, quartz diorite, granodiorite, granite*
- 9 — *Greenstone (altered diorite, gabbro, and diabase)*

LOWER CRETACEOUS (?)

- 8 — *KENO HILL QUARTZITE: massive thick bedded quartzite, thin bedded quartzite, phyllite, graphitic schist, and minor limestone*

JURASSIC (?)

- 7 — *LOWER SCHIST division: graphitic phyllite, phyllitic quartzite, thin bedded quartzite, graphitic schist, and minor limestone*

TRIASSIC

- 6 — *Black-weathering, platy, black limy shale and limestone; thin bands of grey-to buff-weathering limestone*

PALEOZOIC

ORDOVICIAN TO SILURIAN

- 5 — *Dolomite, minor limestone*
- 4 — *Black shale and chert, dark grey quartzite*

PRECAMBRIAN

PROTEROZOIC

- 3 — *GRIT division: gritty quartzite, argillite, phyllite, minor limestone and chert*
- 2 — *Phyllitic quartzite, quartz-mica schist, graphitic schist, and grit*
- 1 — *UPPER SCHIST division: quartz-mica schist, thin bedded quartzite, phyllite, graphitic phyllite, and minor limestone*
- pCd — *Orange-weathering platy dolomite*

Sample locations used in this report (for metal contents of limonite precipitates and rocks see Table 9) 392

Other sediment sample locations (stream, spring; see references in text) .....

Geological boundary (defined, approximate, assumed) .....

Fault (post-ore; defined, approximate, assumed) .....

Thrust fault (assumed) .....

Location of known mineralized faults .....

Anticline (approximate, arrow indicates plunge) .....

Syncline (approximate, arrow indicates plunge) .....

Mineral occurrence .....

Mineral deposit 42

MINERAL SYMBOLS

Arsenic	As	*Silver*	Ag
Antimony	Sb	*Tungsten (lode)*	W
Copper	Cu	*Tungsten (placer)*	W(P)
Gold (lode)	Au	*Tin (lode)*	Sn
Gold (placer)	Au(P)	*Tin (placer)*	Sn(P)
Lead	Pb	*Zinc*	Zn
Molybdenum	Mo		

Compilation of geology by R.W. Boyle and C.F. Gleeson from reports and maps by Bostock (1943, 1947), Boyle (1965), Green (1971, 1972), Kindle (1955, 1962), McTaggart (1950, 1960), and Poole (1965)

Geochemical field work by C.F. Gleeson, W.M. Tupper, A. Sujarman, K. Domai, M.Shafiqullah, J.A. Colwell, J.R. Deighton, C.H. Yurchak, J.K. Worth, H.R. James, A.G. Troup, G. Wind, L. Hogg, and F.R. Campbell

Analyses by
Geochemical Section, Geological Survey of Canada: Cu, Pb, Zn, Ni, Co, As, Sb, Mo, and W.
Bondar-Clegg & Co. Ltd., Ottawa: Ag, Sn, Ba, and F
Atomic Energy of Canada, Ltd., Ottawa: U

Compilation and text by C.F. Gleeson and R.W. Boyle

To accompany Paper 77-31 by C.F. Gleeson and R.W. Boyle

Geological cartography by R.S. Hill, Geological Survey of Canada

Roads, all weather .....

Other roads .....

Trail .....

Intermittent lake and stream .....

Horizontal control point .....

Elevation in feet above mean sea level 4917

Base-map cartography by the Geological Survey of Canada, 1966 from maps published by the Surveys and Mapping Branch and by the Army Survey Establishment, R.C.E.

Approximate magnetic declination, 1978, 33°57' East decreasing 2·8' annually

136°15'
136°00'
135°00'
134°00'
64°15'
64°00'
63°45'
EAGLE RIDGE
MOUNTAIN
GALENA HILL
MAYO LAKE
MAYO RIVER
KENO HILL
HANSON LAKES
CLARK LAKES
SCOUGALE LAKES
AQUESTEN LAKE
Ladue Lake
LADUE RIVER
BEAVER RIVER
PATTERSON RANGE
KATHLEEN LAKE
HOOP LAKES
Halfway Lakes
HAGGART DOME
LYNX DOME
RAMBLER HILL
MOUNT HINTON
MOUNT ALBERT
MOUNT BELLHEAD
CARIBOU HILL
MOUNT HALDANE
MOUNT GALENA
EAST MOUQUESTEN
SOUTH MOUQUESTEN
MOUQUESTEN RIVER
Hoole Creek
Bird Creek
Goodman Creek
Carbon Creek
Mirror Creek
Mirror Lake
Hoole Lake
Bucket Creek
Hoole Canyon
Mirror Canyon
Mirror Lake Canyon
Mirror Lake Creek
Duncan Creek
Moth Creek
Onek Creek
Klondyke Creek
Keno Creek
Ladue Creek
Beaver Creek
Sadie Creek
Hoole Canyon
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