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- CENOZOIC**
- 10 Quaternary
 - 9 Pleistocene and Recent
 - 8 Diabase (dikes)
 - 7 Volcanic flows and related rocks
 - 6 Keweenaw Lake complex
 - 5 Felsic igneous and metamorphic rocks
 - 4 Mafic and ultramafic igneous rocks
 - 3 Metasediments
 - 2 Metavolcanics
 - 1 Felsic metavolcanics
- PALEOZOIC**
- 10 Cambrian
 - 9 Silurian
 - 8 Devonian
 - 7 Frasnian
 - 6 Gribelinian
 - 5 Gribelinian
 - 4 Gribelinian
 - 3 Gribelinian
 - 2 Gribelinian
 - 1 Gribelinian
- PRECAMBRIAN**
- 9 Proterozoic
 - 8 Archean
 - 7 Archean
 - 6 Archean
 - 5 Archean
 - 4 Archean
 - 3 Archean
 - 2 Archean
 - 1 Archean

a. Not shown on this map
b. Formerly called Lake Superior sandstone
c. Several ages of dikes from possibly Archean to Keweenaw are included
d. Age uncertain. May be intrusive equivalent of Keweenaw lavas or older
e. boundaries between units 3 or 5 and units 3 or 5a to 5h inclusive are quite subjective
f. 5a includes metagabbroic rocks and undifferentiated gabbroic rocks
g. Age uncertain. Individual intrusives may be any age younger than unit 3.

The letter G preceding a rock unit number indicates interpretation or correlation on the basis of aeromagnetic or other geophysical data, and the absence of any reliable ground check.
The legend of this map is similar to the legend used on two other preliminary compilation maps P.476 and P.494 of this series of four compilation maps. Significant differences exist only in units 5, 6 and 7 which do not appear on the other maps of the series.

- GEOLOGICAL AND MINING SYMBOLS**
- Geological boundary
 - Anticline, syncline
 - Fault
 - Linear of possible geological significance
 - Producing mine
 - Fast producing mine
 - Mineral occurrence
 - Railway
 - Roads - paved, all weather aggregate, unsurfaced seasonal, trail or winter road
 - Power lines
 - Indian reservation or provincial park

LIST OF PROPERTIES

Current Producers	Past Producers
12. Fe Tp. 29, R.23 G.W. McLeod Mine (The Algoma Steel Corp. Ltd., Algoma Ore Division)	1. Au Tp. 49 Algoma Summit Gold Mines Ltd. (Magno Gold Mines Ltd., McPhy-John Goulet Mines Ltd.)
13. Fe Tp. 29, R.23 Helen Mine (The Algoma Steel Corp. Ltd., Algoma Ore Division)	2. Au Tp. 48 Edwards Gold Mines Ltd. (Edwards Cons. Mines Ltd., Shaynee Cons. Mines Ltd., Gold Lands Syndicate)
	3. Au Tp. 48 Cline Lake Gold Mines Ltd. (Cline Mines Ltd., Cline Canadian Gold Mines Ltd., Rick Mines Ltd.)
	4. Fe Tp. 29, R.26 Maggie Mine (The Algoma Steel Corp. Ltd., Algoma Ore Division)
	5. Au Tp. 28, R.26 Goulet Mine (The Algoma Steel Corp. Ltd., Algoma Ore Division)
6. py, Fe Tp. 27, R.26 Rand No. 1 (Superior Acid & Iron Ltd., Irving & Sons, Ltd., Morrison No. 2)	
7. py, Fe Tp. 27, R.26 Bear Mine (The Algoma Steel Corp. Ltd., Algoma Ore Division)	
8. py, Fe Tp. 27, R.26 "A" Orebody (The Algoma Steel Corp. Ltd., Algoma Ore Division)	
9. py, Fe Tp. 27, R.26 "A" Orebody (The Algoma Steel Corp. Ltd., Algoma Ore Division)	
10. Fe Tp. 28, R.25 Josephine (Burtlett, Britannia) (The Algoma Steel Corp. Ltd., Algoma Ore Division)	
11. Au Tp. 27, R.25 Alden-Goulet Mines Ltd. (Michael-Boyle Property, Louisa Exploration Co. Ltd., Oreston Ltd., Regency Gold Mines Ltd.)	
14. Fe Tp. 29, R.24 St. James Mine (Hanson Range) (The Algoma Steel Corp. Ltd., Morrison No. 2)	
15. Fe Tp. 29, R.24 Ruth Mine (The Algoma Steel Corp. Ltd., Morrison No. 2)	
16. Fe Tp. 29, R.24 Ruth Mine (The Algoma Steel Corp. Ltd., Morrison No. 2)	
17. Au Tp. 29, R.23 Skanlan Gold Mines Ltd. (Gamble, Ninto Gold Mines Ltd.)	
18. Au Tp. 29, R.23 Skanlan Gold Mines Ltd. (Gamble, Ninto Gold Mines Ltd.)	
19. Au Tp. 29, R.23 The Hornblende Gold Mining Co. of Ontario Ltd., Surloffe Gold Mines Ltd. (Rango Gold Mines Ltd.)	
20. Au Tp. 29, R.23 Jubilee Mine (The Jubilee Mining Co. Ltd., Ninto Gold Mines Ltd.)	
21. Au Tp. 29, R.23 Jubilee Mine (The Jubilee Mining Co. Ltd., Ninto Gold Mines Ltd.)	
22. Au Tp. 29, R.23 Deep Lake Mine (Deep Lake Gold Mines Ltd.)	
23. Au Tp. 29, R.23 S.B. Smith Mine (Michipicoten Gold Mines Ltd.)	
24. Au Tp. 29, R.23 Parkhill Gold Mines Ltd. (Goulet, Ward Lake Gold Mines Ltd.)	
25. Au Tp. 29, R.23 Parkhill Gold Mines Ltd. (Goulet, Ward Lake Gold Mines Ltd.)	
26. Au Tp. 29, R.23 Darwin Gold Mines Ltd. (Grace Mine, Gibson, Lake Superior Corp., Power and Mines Syndicate, New Darwin Gold Mines Ltd.)	
27. Au Tp. 29, R.23 The Golden Reef Mining Co. Ltd. (Nanamon Gold Mining Co. Ltd.)	
28. Au Tp. 29 and 30, The Golden Reef Mining Co. Ltd. (Nanamon Gold Mining Co. Ltd.)	
29. Au Tp. 29, R.22 Centennial Gold Mines Ltd. (Agawa Gold Mines Ltd., Agawa Prospecting Gold Mines Ltd., Norwalk Mining Co. Ltd., Nanamon Gold Mining Co. Ltd., Kitchigami Gold Mining Co. Ltd., Kitchigami Gold Dev. Co. Ltd., L.S. United Mines Ltd.)	

Other Notable Mineral Occurrences

30. Ni, Cu Tp. 30, R.19 Renner Nickel Deposit (Empire Explorations Ltd., Falconbridge Nickel Mines Ltd., Sewell Mining Group Ltd.)
31. Ni Tp. 28, R.24 Lakemont Mines Ltd.
32. Cu Tp. 32, R.26 Heart Lake copper occurrence
33. Fe Tp. 32, R.26 Frances Mine
34. Fe Tp. 31, R.26 Betsy Lake deposit
35. Fe Tp. 30, R.26 Brant Iron Range
36. Fe Tp. 29, R.26 Brant Iron Range
37. Fe Tp. 29, R.26 Evans and North Evans Iron Range
38. Fe Tp. 29, R.26 Mildred Iron Range
39. Cu, Zn Tp. 28 and 29, Justice Iron Range
40. py, Fe Tp. 27, R.23 Sweet Lake (Hamilton) Iron Range
41. py, Fe Tp. 49 Morrison No. 1
42. Fe, py, Cu Tp. 29, R.22 Antigonish Iron Range

The names and alternate names for properties listed on this map indicate names in common use and some of the past or present owners or operators or optioners of the properties. The names listed do not necessarily imply ownership.

MINERAL AND MINERAL RESERVES

Ag ... Silver	As ... Arsenic	Co ... Cobalt	Cr ... Chromium	Fe ... Iron	Mn ... Manganese	Ni ... Nickel	Pb ... Lead
Sb ... Antimony	Se ... Selenium	Sn ... Tin	Te ... Tellurium	Zn ... Zinc	U ... Uranium	W ... Tungsten	Py ... Pyrite
Cu ... Copper	Mo ... Molybdenum	Si ... Silicon	S ... Sulphur	Al ... Aluminum	Ca ... Calcium	Mg ... Magnesium	

depth ... No. below syncline

SOURCES OF INFORMATION

Geological compilation by E.J. Leary, R.J. Rupert, P.E. Giblin, and J.F. Giguere, Sault Ste. Marie, 1966-1970.
Geology from the Ontario Dept. of Mines and Northern Affairs, Algoma Central Railway, Geological Survey of Canada, Canadian Pacific Railway, and unpublished reports and other data on file in the office of the Resident Geologist, Ontario Dept. of Mines and Northern Affairs, Sault Ste. Marie.
Base map compiled from maps of the Ontario Department of Lands and Forests, Ontario Department of Highways, Ontario Hydro and various air photographs.
Drafting by R.J. Rupert.

