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The Sault Ste. Marie area is located at the eastern end of Lake Superior. This region has been the site of several mineral exploration programs due to its favorable geologic setting. Some drilling of sand and gravel deposits within the area has also been carried out.

**INTRODUCTION**

Dr. P.E. Giblin, G. Bennett, and E.J. Leahy of the Ontario Ministry of Northern Development and Mines, have been mapping near Wabos, Karalash Corners and Garden River. The area consists of rugged uplands underlain by Precambrian sediments and metavolcanics; and c) Late Precambrian intrusive, Cambrian age: however, literature cited by Russell (1987) suggests these are primarily erosional and represent lowering of lake levels.

**BEDROCK GEOLOGY**

The bedrock geology of the area was compiled by Giblin and Ainsworth. It includes a compilation map by Giblin (1977) and a map of the Jacobsville Formation by D.J. Russell (1987).

**ECONOMIC GEOLOGY**

The area has potential for base metals, decorative "Pudding-stone" (Lorrain Formation), uranium, and potentially economic commodities include precious metals, copper and associated base metals. There is no present production of mineral aggregates in the area. Possible sources of information include the Geological Series--Preliminary Map: Quaternary Geology of the Sault Ste. Marie Area, District of Algoma, Ontario, scale 1:50 000; and Aggregate Resources Inventory Paper 120, 55p., 8 tables, 3 maps, scale 1:50 000, 1988 issued by the Ministry of Northern Development and Mines.

**SELECTED REFERENCES**

Cowan, W.R. 1978: Radiocarbon Dating of Nipissing Great Lakes Events near Sault Ste. Marie, Ontario; p.33-37...