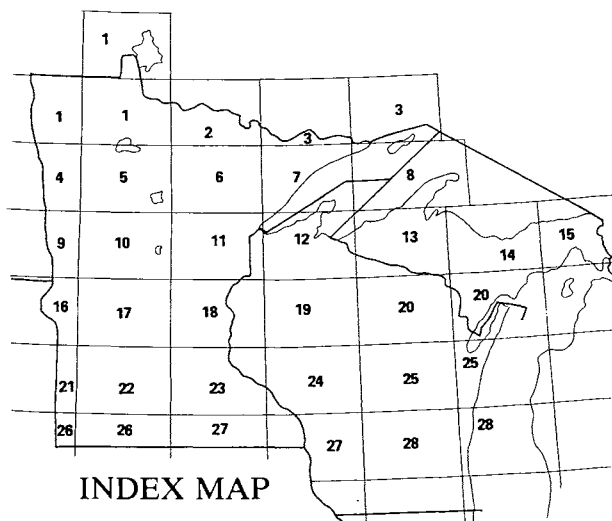


GEOLOGIC MAP OF THE LAKE SUPERIOR REGION

PRINCIPAL SOURCES OF GEOLOGIC DATA

Geologic data for the Lake Superior region were compiled principally from the maps cited below. Most of the cited maps in turn are compilations of other maps; references to the original map data are found in the bibliographies of the regional compilations listed here. All of the cited maps were generalized as necessary to fit requirements of scale, and some were modified from other sources indicated under the sheet headings.



INDEX MAP

1. Kenora, Thief River Falls, and Roseau sheets

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The Archean rocks of the Superior Province are subdivided into lithologic units. Major faults in the northern part of Lake Superior control the formation of the Lake Superior graben and the thickness of Keweenaw strata. The boundary between the Grenville and Southern provinces is the crustal-scale, southeast ward-dipping Grenville Front Tectonic Zone. The boundary between the Central Gneiss Belt and the Central Metasedimentary Belt as well as the boundaries between subsidiary tectonic units are commonly defined by shear zones. Bedrock geology of Ontario, explanatory notes and legend; Ontario Geological Survey, Map 2545. g. Related documents. 2 GEOLOGIC ATLAS OF CHISAGO COUNTY, MINNESOTA Glauconite Microbial domes; stromatolites/thrombolites 800 1 mile Approximate scale EXPLANATION 200 St Peter Sandstone Jordan Sandstone 5 miles Wisconsin Figure 1. Schematic illustration of the depositional conditions about 490 million years ago in the area known today as Taylors Falls, Minnesota, and St. Croix Falls, Wisconsin. The depiction of uppermost bedrock units in the northern approximately one-half of the county is more tenuous than in the southern half. northwestern Wisconsin, and eastern Minnesota: Geological Society of America Special Paper 312, p. 47-72. Berg, R.R., 1954, Franconia Formation of Minnesota and Wisconsin: Geological Society of America Bulletin, v. 66, p. 857-882. Bedrock geologic map of the US area bordering Lake Superior in Minnesota, Wisconsin, and Michigan. The Minnesota Geological Survey has placed this image in the public domain with the request that credit be given to the Minnesota Geological Survey, University of Minnesota, and to the author(s) of the specific work. These images are available through the Minnesota Digital Library, "Minnesota Reflections". More information on the Minnesota Geological Survey map and report scanning project can be found here. Captions. English.