EXPLANATION

Marsh and swamp (Peat and muck soil)

Glacial Lake Agassiz

Nipissing Great Lakes

Glacial Lake Algonquin

Glacial Lake Duluth and outlets

Glacial Lake Ontonagon

Glacial Lake St. Louis

Lake Aitkin

Wisconsin stage of glaciation — QUATERNARY (Modified part)

The extent of each of the glacial lakes occupying the Lake Superior basin is shown by the outside limits of its particular color or pattern. This color or pattern appears only on the part of the lake bed which lies outside the limits of later lakes. For the full extent of glacial Lakes Duluth, Algonquin, and the Nipissing Great Lakes reference should be made to Figures 8, 9, and 10 and Plates 7 and 8. The limits of glacial Lake St. Louis and Lake Aitkin are known only approximately, and the border between them is undetermined. The northeastern limits of the glacial Lake Agassiz have not been determined, and its border in St. Louis County, Minn., is only approximately determined. A lake that preceded Lake Agassiz occupied a part of northeastern Minnesota north of the Mesabi Range and discharged through it in the gap now utilized by Embarrass River, near Biwabik. The extent of this lake has not been determined. The glacial lake area south of Manistee, Michigan, extends to the highest shore of Lake Chicago.

In Minnesota and Wisconsin north of latitude 46° the contour interval is 100 feet except in Lake and Cook Counties, Minnesota, where it is 500 feet. On the northern peninsula of Michigan the interval is 200 feet with the 1500-foot contour added. In the compilation of the contours use has been made of maps by the U. S. Geological Survey, the Minnesota Geological Survey, and the Wisconsin Geological Survey; of railroad profiles; and of aneroid readings by Frank Leverett.

Base compiled by the U. S. Geological Survey

Geology by Frank Leverett

MAP SHOWING AREAS FORMERLY COVERED BY GLACIAL LAKES OF NORTHERN MINNESOTA, NORTHERN WISCONSIN, AND NORTHERN PENINSULA OF MICHIGAN

Scale 1:500,000

10 0 10 20 30 40 50 60 70 80 90 100 Miles

10 0 10 20 30 40 50 60 70 Kilometers

Datum is mean sea level.

1929

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