U. S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

QE
V.53

LEGEND

Saginaw formation

UNCONFORMITY

Parma sandstone and Grand Rapids group (*including Rayport limestone and Michigan formation*)

Marshall formation

Coldwater shale

CARBONIFEROUS

The boundary beeween these two formations is undetermined north of coal basin.

Antrim shale

Traverse formation

Dundee limestone

DEVONIAN

Monroe formation above Sylvania sandstone member

Monroe formation including and below Sylvania sandstone member

SILURIAN

Contours of bedrock surface. Elevation in feet above sea level

Base from U. S. Geological Survey
1:1,000,000 scale map of the United States
now in preparation
Contours by Frank Leverett in 1911

GEOLOGIC MAP OF THE SOUTHERN PENINSULA OF MICHIGAN, SHOWING CONTOURS OF BEDROCK SURFACE

After map by Alfred C. Lane, 1905, with modification of geologic names

Scale 1/1,000,000

10 0 10 20 30 40 50 Miles

10 0 10 20 30 40 50 60 Kilometers

Contour interval 100 feet

NOTE: Some of the 100-foot contours are based on topographic maps of certain quadrangles by the U. S. Geological Survey. Others are less reliable, being based on a combination of railway altitudes or drain levels with aneroid readings.

1914

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