

FILE COPY

U.S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

TOPOGRAPHIC SHEET

MICHIGAN
WITBECK QUADRANGLE

CONVENTIONAL
SIGNS

CULTURE
(printed in black)

- Roads and buildings
- Private and secondary roads
- Trails
- Railroads
- Street railroads
- Tunnels
- Bridges
- Ferries
- Fords
- Dams
- Locks
- U.S. township and section lines
- Located township and section corners
- Township and section corners not found
- Triangulation stations
- Bench marks
- Mines and quarries
- Prospects
- Shafts
- Mine tunnels (showing direction)
- Mine tunnels (direction unknown)

CONVENTIONAL
SIGNS

RELIEF
(printed in brown)

- Figures (showing heights above mean sea level, instrumentally determined)
- Contours (showing height above sea level, horizontal form, and steepness of slope, of the surface)
- Depression contours
- Levees
- Cliffs
- Mine dumps
- DRAINAGE (printed in blue)
- Streams
- Falls and rapids
- Intermittent streams
- Canals and ditches
- Lakes and ponds
- Intermittent lakes
- Glaciers
- Springs
- Salt marshes
- Fresh marshes
- Tidal flats

The above signs are in current use on the topographic maps. Variation from this usage appears in some maps of earlier dates.

U.S.G.S.
FILE COPY
Ed. Div. Topographic Maps



(Crystal Falls)

Jno. H. Renshaw, Topographer in charge.
Control by Geo. T. Hawkins.
Topography by Robert Muldrow and from surveys made under the direction of C. R. Van Hise.
Surveyed in 1891-96.

Muldrow
1896
Van Hise
1891

Scale 62,500
1 2 3 4 5 Miles
1 2 3 4 5 Kilometers
Contour interval 20 feet.
Datum is mean sea level.

Feb. 10-99
2108

Witbeck
Mich.

Edition of Jan. 1899.

USGS
Historical File
Topographic Division