

FILE COPY

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

# TOPOGRAPHIC SHEET

MICHIGAN  
WITBECK QUADRANGLE

### CONVENTIONAL SIGNS

#### CULTURE (printed in black)

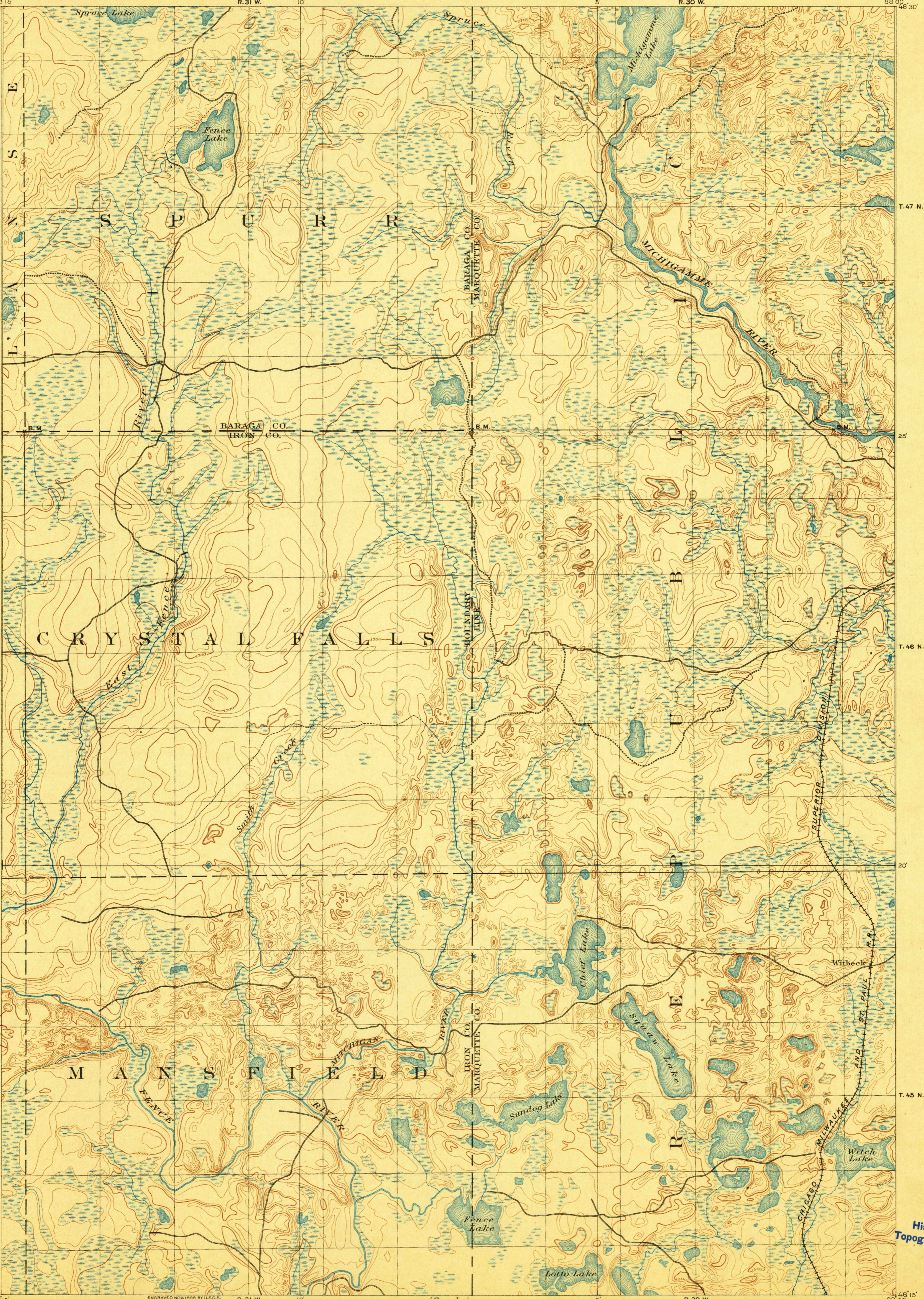
- Roads and buildings
- Private and secondary roads
- Trails
- Railroads
- Street railroads
- Tunnels
- Bridges
- Ferries
- Fords
- Dams
- Locks
- U.S. township and section lines
- Located township and section corners
- Township and section corners not found
- Triangulation stations
- Bench marks
- Mines 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 in feet, mentally 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

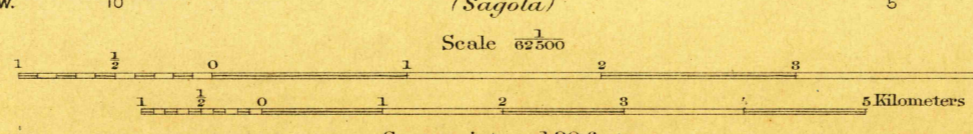
The above signs are in current use on the topographic maps. Variations from this usage appear in some maps of earlier dates.



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

J. H. Renshawe, 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



Contour interval 20 feet.  
Datum is mean sea level.

July 10-99  
2108

Witbeck

Mich.

USGS  
Historical File  
Topographic Division