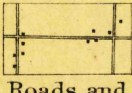
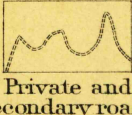
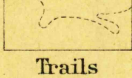
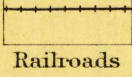

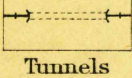



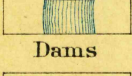
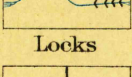
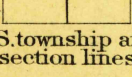
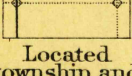

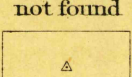
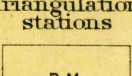
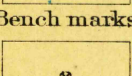
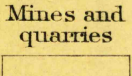
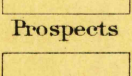
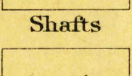
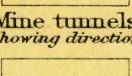


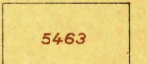

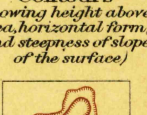
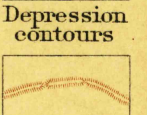

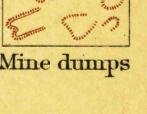
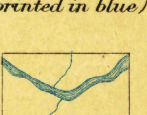
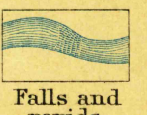
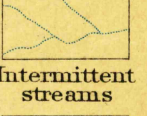
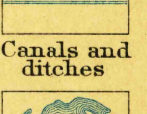
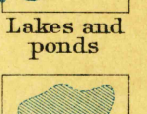

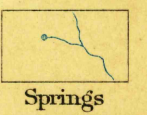

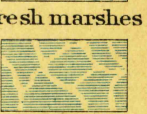
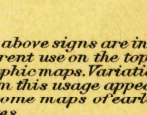

CONVENTIONAL SIGNS

CULTURE  
(printed in black)

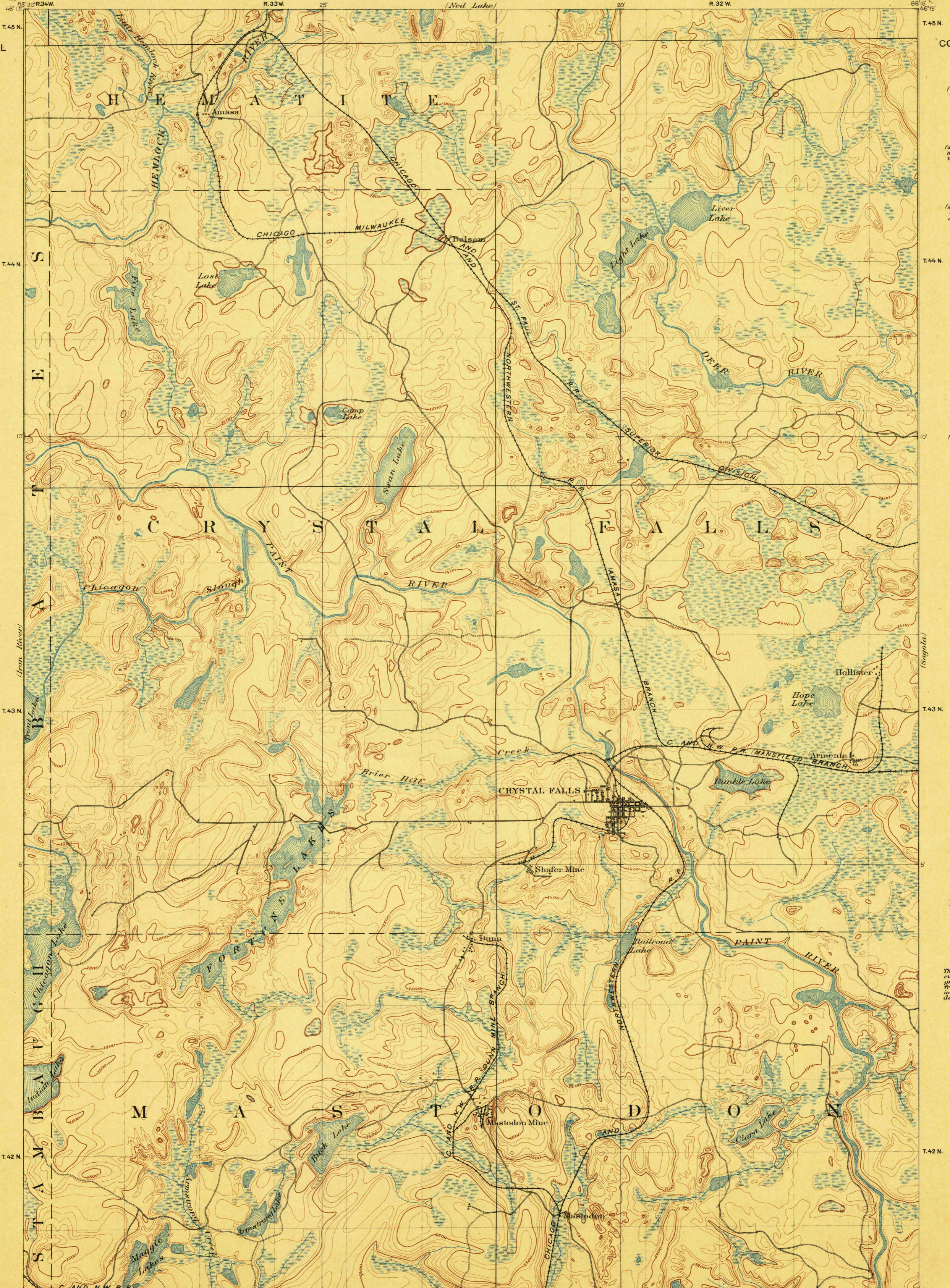
-  Roads and buildings
-  Private and secondary roads
-  Trails
-  Railroads
-  Street railroads
-  Tunnels
-  Bridges
-  Ferries
-  Fords
-  Dams
-  Locks
-  U.S. township and section lines
-  Located township and section corners
-  Township and section corners not found
-  Triangulation stations
-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

CONVENTIONAL SIGNS

RELIEF  
(printed in brown)

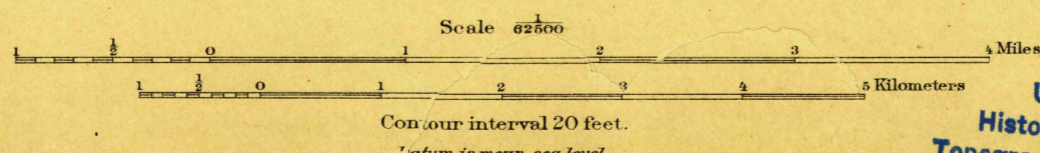
-  5663  
Figures (showing heights above mean sea level instrumentally determined)
-  Contours (showing height above sea level, horizontal form, and steepness of slope of the surface)
-  Depression contours
-  Levees
-  Cliffs
-  Mine dumps
- DRAINAGE  
(printed in blue)
-  Streams
-  Falls and rapids
-  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. Variations from this usage appear in some maps of earlier dates.



ENGRAVED OCT. 1896 BY U.S.G.S.  
 Henry Gannett, Chief Topographer.  
 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 and 1895.

Van Hise  
1891  
Muldrow  
1895



April 20-1899. 2057.  
 Edition of Feb 1899.

USGS  
 Historical File  
 Topographic Division

2057.  
 Crystal Falls, Mich.