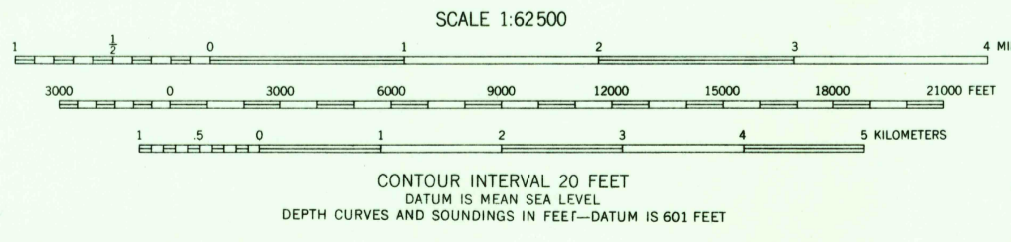


Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography from aerial photographs by Kesh plotter  
Aerial photographs taken 1951. Field check 1952  
Hydrography from U. S. Lake Survey Chart 93, (1:120,000)  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Michigan coordinate system,  
west zone  
All mining features on this map are inactive  
1000-meter Universal Transverse Mercator grid ticks,  
zone 16, shown in blue



ROAD CLASSIFICATION  
1954  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
U.S. Route (red circle) State Route (black circle)

USGS  
Historical File  
Topographic Division

QUADRANGLE LOCATION

THE WEST HALF OF THIS AREA IS ALSO COVERED BY  
1:24,000 SCALE MAPS OF THE SANDS AND GWINN  
7.5 MINUTE QUADRANGLES, FIELD CHECK 1952.

GWINN, MICH.  
N4615-W8715/15

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