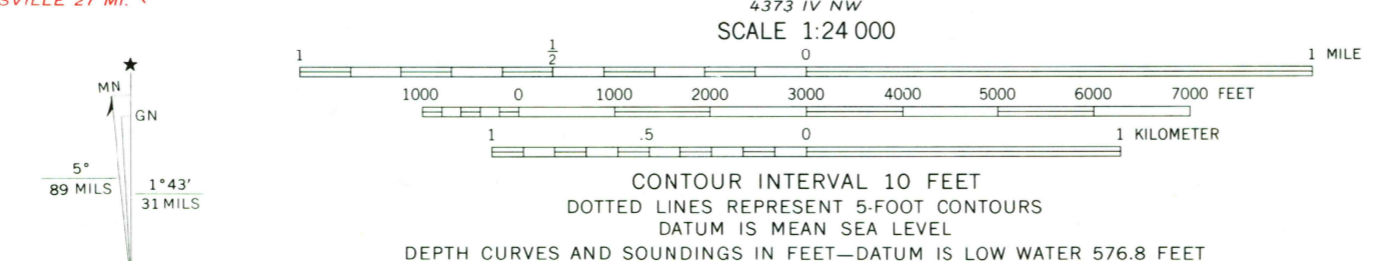


Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and U. S. Lake Survey  
Topography by photogrammetric methods from aerial  
photographs taken 1971. Field checked 1971  
Selected hydrographic data compiled from U. S. Lake Survey Chart 53  
(1970). This information is not intended for navigational purposes  
Projection and 10,000-foot grid ticks: Michigan coordinate  
system, central zone (Lambert conformal conic)  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue. 1927 North American datum  
Red tint indicates areas in which only landmark buildings are shown  
Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked



ROAD CLASSIFICATION

|                                 |   |
|---------------------------------|---|
| Primary highway, hard surface   | Light-duty road, hard or improved surface |
| Secondary highway, hard surface | Unimproved road                           |
| Interstate Route                | U. S. Route                               |
|                                 | State Route                               |

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS  
Historical File  
Topographic Division

ALPENA, MICH.  
N4500—W8322.5/7.5  
1971

AMS 4374 III SW—SERIES V862