

281 159  
KETTLE FALLS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

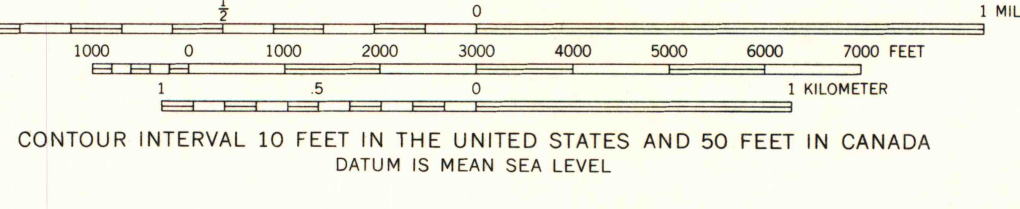
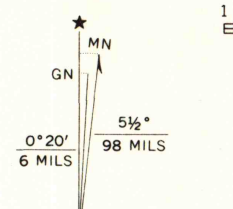
STATE OF MINNESOTA  
DEPARTMENT OF ADMINISTRATION

HALE BAY QUADRANGLE  
MINNESOTA-ONTARIO  
7.5 MINUTE SERIES (TOPOGRAPHIC)



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KETTLE FALLS

Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and International Boundary Commission  
Topography by photogrammetric methods from aerial  
photographs taken 1966. Field checked 1967.  
Canadian portion copied from advance print, Namanakan Lake quadrangle  
(1:40 000) 1964, Surveys and Mapping Branch, Department of  
Mines and Technical Surveys  
Depth curves compiled from charts furnished  
by Minnesota Department of Conservation  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Minnesota coordinate system, north zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 15, shown in blue



HALE BAY, MINN-ONT.  
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