




## BEDROCK OUTCROP

### MAP SYMBOL

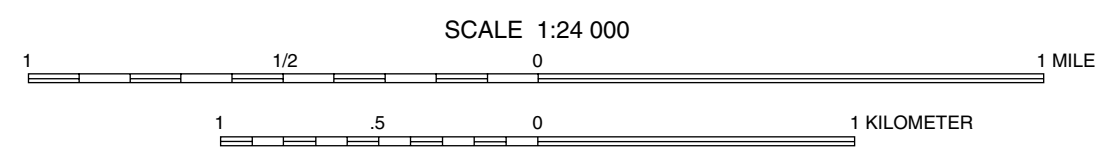
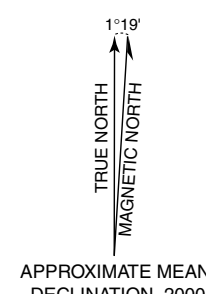
-  Bedrock outcrop.
-  Inferred contact and shoreline boundary—  
Dashed where aeromagnetically located; dotted where concealed by water. See Plate 1 for geologic details.
-  Inferred fault—Short dashed where concealed by water.

Every reasonable effort has been made to ensure the accuracy of the factual data on which this map interpretation is based; however, the Minnesota Geological Survey does not warrant or guarantee that there are no errors. Users may wish to verify critical information; sources include both the references listed here and information on file at the offices of the Minnesota Geological Survey in St. Paul. In addition, effort has been made to ensure that the interpretation conforms to sound geologic and cartographic principles. No claim is made that the interpretation shown is rigorously correct, however, and it should not be used to guide engineering-scale decisions without site-specific verification.

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Base modified from U.S. Geological Survey  
1996 Digital Raster Graphic (DRG) of the Island View  
1:24,000 quadrangle, 1969, photorevised 1986  
Polyconic projection, zone 15  
1927 North American Datum

Lake boundaries for geologic units were augmented by the lakes-layer linework of the 1990 U.S. Bureau of the Census TIGER/Line Files, because the 1:24,000-scale digital lakes-boundary data were not readily available. Therefore, some slight discrepancies between the geologic-unit lake boundaries and the Digital Raster Graphic lake boundaries may be noticed. This is apparent only where lakes adjoin geologic units and does not affect boundaries between geologic units.



CONTOUR INTERVAL 5 FEET  
DOTTED LINES REPRESENT 5-FOOT INTERVALS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS 1102 FEET



Geology mapped, Summer 1999  
GIS compilation and cartography by  
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## BEDROCK GEOLOGY OF THE ISLAND VIEW QUADRANGLE, KOOCHICHING COUNTY, NORTH-CENTRAL MINNESOTA

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