



EXPLANATION

MIDDLE  
PRECAMBRIAN

**g**

Diabase  
Dominantly gabbro; dikes have fine-grained margins

**ghgt** **gb** **ggbm** **gbf**

Giants Range Granite  
ghgt, pink medium-grained, foliated biotite-hornblende granodiorite, tonalite, and diorite  
gb, pink, moderately foliated, medium-grained biotite granite  
ggbm, gray, gneissic, medium-to fine-grained biotite-muscovite granite; locally garnetiferous  
gbf, pink, porphyritic, foliated, coarse-grained biotite granite

LOWER  
PRECAMBRIAN

**mv**

Mafic metavolcanic rocks  
Dominantly metabasalt and metadiabase

**lm**

Layered mafic rocks  
Gray, thin-bedded metasedimentary rocks; contain abundant epidote; intruded locally by granitic rocks; possibly reworked tuff

**mig**

Migmatitic biotite and hornblende gneisses  
Interlayered biotitic and hornblende quartzofeldspathic gneisses, amphibolite, and generally concordant granitic veins; strongly foliated

**x**

Small outcrop

Contact  
Long dash where approximately located;  
short dash where inferred

70°

Strike and dip of foliation

↑

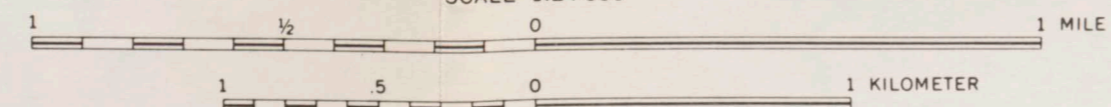
Strike of vertical foliation

Age relations among these rocks uncertain

Base from U.S. Geological Survey topographic map, 1964

SCALE 1:24,000

Geology mapped 1966 and 1968-69



RECONNAISSANCE GEOLOGIC MAP OF STINGY LAKE QUADRANGLE, ITASCA AND ST. LOUIS COUNTIES, MINNESOTA

By  
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