

# MAP OF SOUTHERN MINNESOTA

## SHOWING OCCURRENCE OF GRANITIC ROCKS AND SIOUX QUARTZITE

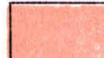
By O.E. Meinzer


Scale approximately 750,000


Contour interval 100 feet  
Datum is mean sea level  
1910

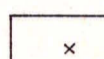
Topographic contours compiled from railroad levels, maps of the Geological and Natural History Survey of Minnesota, maps of the Mississippi River Commission, topographic maps of the U.S. Geological Survey, and field notes.

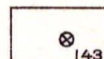
### LEGEND

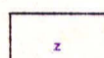
 Granitic rocks generally less than 500 feet below the surface. Under this term are here included granite, gneiss, diabase, actinolite, their disintegrated products, and the associated white clay.

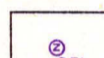
 Sioux quartzite, generally less than 500 feet below the surface.

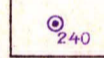
 Both granitic rocks and Sioux quartzite, generally more than 500 feet below the surface.

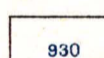
 Granitic rocks at the surface.


 Granitic rocks encountered at the depth indicated (in feet). As at many points the upper limit of the granitic residuum is indefinite, some of the depths indicated are more or less arbitrary.

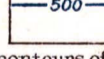
 Sioux quartzite at the surface.

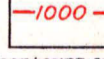
 Sioux quartzite encountered at the depth indicated (in feet).

 Points where drilling has gone to the depth indicated (in feet) without encountering either the granitic rocks or the Sioux quartzite.

 Elevation above sea level of the granitic surface.

 Elevation above sea level of the quartzite surface.

 500-foot contours of the granitic surface.

 500-foot contours of the quartzite surface. The position of contours below the 1000-foot level is not known.

The contour lines are interpolations between the points where the elevations are known and for the most part are only roughly approximate. Their datum is sea level.