



EXPLANATION

Quartz pegmatite	ZONES	DIKE 1
Quartz-cleavelandite-toposilite pegmatite		
Quartz-cleavelandite-amblyonite pegmatite		
Perthite pegmatite		
Cleavelandite-quartz-muscovite pegmatite	ZONES	DIKE 2
Quartz-cleavelandite-muscovite pegmatite		
Quartz-spodumene pegmatite		
Perthite-quartz pegmatite		
Muscovite-cleavelandite-quartz pegmatite	ZONES	DIKE 3
Quartz-albite pegmatite		
Quartz-perthite-muscovite pegmatite		
Quartz-albite-muscovite pegmatite		
Quartz-perthite-cleavelandite pegmatite	ZONES	DIKE 4
Quartz-cleavelandite-muscovite pegmatite		
Quartz pegmatite		
Cleavelandite-quartz-muscovite pegmatite		
Quartz-perthite-muscovite-plagioclase pegmatite (coarse grained)		
Quartz-perthite-muscovite-plagioclase pegmatite (medium grained)		
Quartz-perthite-muscovite-plagioclase pegmatite (fine grained)		
Fine-grained feldspar granite		
Biotite-garnet-staurolite schist		
Quartzite		

Contact, showing dip
Vertical contact
Approximate contact
Inferred contact
Contact between pegmatite units
Limit of exposure
Fault showing dip, dashed where approximately located
Limit of underground workings on dikes 1 and 3
Glory hole
4990 level
5020 level
5039 level
Strike and dip of beds
Strike and dip of foliation
Plunge of linear element
Strike and dip of joints
Shaft
Bottom of inclined shaft
Rim of excavation
Raise
Dump

GEOLOGIC MAP OF THE BOB INGERSOLL MINE, KEYSTONE, PENNINGTON COUNTY, SOUTH DAKOTA

20 0 100 Feet
Contour interval 10 feet
Datum is approximate mean sea level

Geology and topography by J. B. Hanley, M. P. Erickson, J. W. Adams, A. F. Tribes, Jr., and T. A. Steven, 1944-45