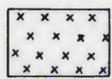
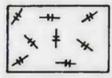
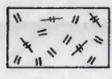




EXPLANATION


 Quartz pegmatite
 Zone 6b (fourth intermediate zone)


 Cleavelandite-quartz pegmatite
 Zone 5 (third intermediate zone)

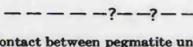

 Cleavelandite-quartz-muscovite pegmatite
 Zone 3 (first intermediate zone)

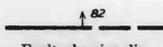

 Albite-quartz-muscovite pegmatite
 Zone 2 (wall zone)

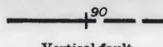

 Quartz-mica schist

Note: Zone 1, a thin layer of quartz-muscovite-plagioclase pegmatite (border zone) occurs along the pegmatite contact but is not shown on the map of the underground workings


 Pegmatite contact, showing dip
 Dashed where approximately located, queried where inferred


 Contact between pegmatite units
 Queried where inferred


 Fault, showing dip
 Dashed where approximately located

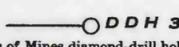

 Vertical fault
 Dashed where approximately located


 Strike and dip of schistosity


 Strike and dip of schistosity and plunge of lineation


 Plunge of roll


 Timbering


 U. S. Bureau of Mines diamond-drill hole

GEOLOGIC MAP OF UNDERGROUND WORKINGS, PEERLESS PEGMATITE, PENNINGTON COUNTY, SOUTH DAKOTA



Geology by M. H. Staatz, H. G. Stephens, and J. W. Adams, 1947; D. M. Sheridan, R. E. Roadifer, and J. J. Norton, 1949-50; M. H. Staatz and D. M. Sheridan, 1951