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Rb-sr isotopic studies relating to problems of geochronology on the Nelspruit and Mpageni granites

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THE BARBERTON MOUNTAIN LAND

SCALE

0 5 10 15 20 25 Miles

GEOLOGICAL LEGEND

Rhyolite	STORMBERG SERIES	KARROO SYSTEM
Basalt, limburgite, pyroclasts, minor sandstone		
Sandstone, shale, mudstone, marl		
Shale, sandstone, grit, coal	ECCA SERIES	
Tillite, shale	DWYKA SERIES	
Shale, quartzite, conglomerate, tillite, andesite, limestone, ironstone, jasper	PRETORIA SERIES	TRANSVAAL SYSTEM
Dolomite, ironstone, chert, shale, quartzite, conglomerate, tillite	DOLOMITE SERIES	
Quartzite, shale, conglomerate, locally andesite	BLACK REEF SERIES	
Andesitic lava, acid lava & porphyry, sediments, pyroclasts	INSUZI (Iz) & GOWAN (Go) FORMATIONS	DOMINION REEF SYSTEM
Conglomerates, quartzites, phyllite, shale, limestone, tillite, basic lava	MOODIES SERIES	SWAZILAND SYSTEM
Shale, quartzite, graywacke, ironstone, lava, limestone, chert	FIGTREE SERIES	
Basic lava, acid lava & porphyry, chert, pyroclasts, ultrabasics, basic schists	ONVERWACHT SERIES	
Gabbro, diorite, pyroxenite, ultrabasic rocks, microgranodiorite, granophyre	USUSHWANA COMPLEX	
Several types of granite, granite-gneiss, granulite & undifferentiated granitised rock	NELSPRUIT & SWAZILAND GRANITES	
Hornblende granite	KAAP VALLEY GRANITE	
Syenite	Late cross-cutting intrusive granites = 'G5' granites of Swaziland	

Thermal spring (temperature above 25°C)

Fault

Major Mines :-

- (A) New Consort Gold Mine
- (B) Sheba Gold Mine
- (C) Fairview Gold Mine
- (D) Agnes Gold Mine
- (E) Msauli Asbestos Mine
- (F) Ngwenya Iron-ore Mine (Bomvu Ridge)
- (G) Havelock Asbestos Mine

N

C.R.A. 1967

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