



MAP OF CENOZOIC IGNEOUS ROCKS OF SAUDI ARABIA

SCALE 1:1,000,000
0 25 50 75 100 125 150 175 KILOMETERS
0 25 50 75 MILES
Lambert conformal conic projection. Standard parallels 17° and 32°

EXPLANATION

- H Holocene basalt flow
- Q^{tr} Quaternary trachytic ejections
- Q^b Quaternary basalt flow
- T^b Tertiary basalt flow
- T^b Tertiary and Quaternary basalt flow
- ▼ Dome
- Cone
- Mostly intact vent
- Breached or highly eroded or explosion crater
- Plug, neck or eroded cone segment
- Gas vent—Very small spatter vent usually without rim, found mainly along high ridge of a flow arm
- Sample location
- Tertiary dike
- Exhibiting normal remanent magnetization
- Exhibiting reversed remanent magnetization
- Arrow indicates flow from volcanic vent
- Historical volcanic eruption (reported age A.D.)
- Hot spring

DETAILED SOURCES

Compiled from aerial photographs. Photography by Aero Service Corp. Tertiary dikes are from Blank (1977, pl. 3). Holocene lava flows in part from Coleman and others (1985). Historic volcanic eruptions in part from Van Paalung (1967).

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Geology adapted in part from Coleman, R. G., Gregory, R. T., and Brown, G. F., Cenozoic volcanic rocks of Saudi Arabia; U. S. Geological Survey Open-File Report 83-788, 86p.