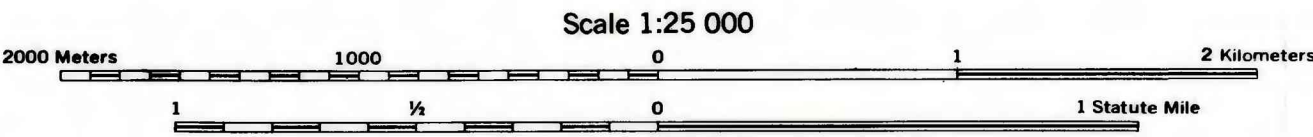


Topography of 1:25,000-scale map by photogrammetric methods from aerial photographs, U. S. Geological Survey, 1976. Topography of 1:4,000-scale map by F. J. Fuller, U. S. Geological Survey, 1976.

Geology mapped from February to March 1981



CONTOUR INTERVAL 10 METERS  
DASHED LINES REPRESENT 5 METER CONTOURS  
DATUM IS MEAN SEA LEVEL

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

QUATERNARY

- Qal Alluvial deposits
- Qp Pediment deposits

PRECAMBRIAN

- ja Jasper
- a Aplite and pegmatite dike
- rh Rhyolite
- qp Leucocratic quartz porphyry
- mg Monzogranite-granodiorite
- cg Granodiorite
- d Diorite-gabbro
- cs Chlorite schist
- s Serpentine
- hs Hornblende schist
- bs Quartz-biotite schist
- ihb Interlayered hornblende and biotite schist

EXPLANATION

- Contact
- Fault
- Thrust fault, teeth on upper plate
- Attitude of bedding, inclined and vertical
- Strike and dip of foliation
- Strike and dip of beds and plunge of lineation
- Vein
- Mine working
- Prospect pit

GEOLOGIC MAP OF THE JABAL RIAH AND THE JABAL MAHANID GROUP OF ANCIENT GOLD MINES,  
KINGDOM OF SAUDI ARABIA

by  
John D. Wells  
1982