

DESCRIPTION OF MAP UNITS

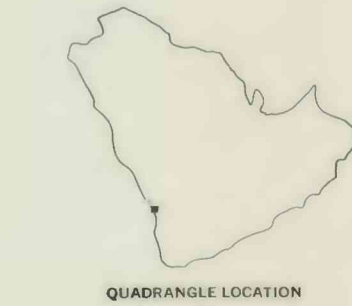
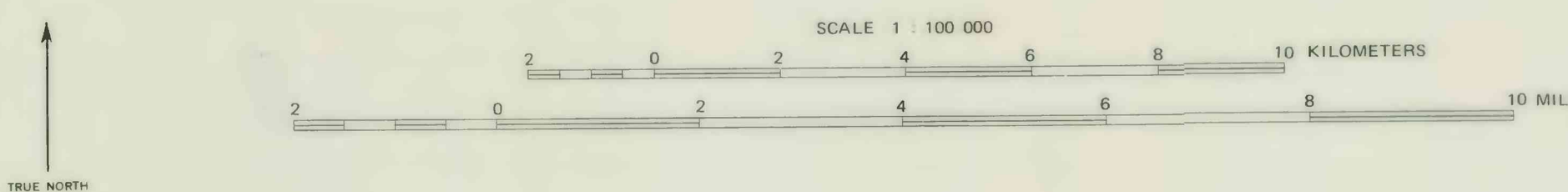
INTRUSIVE ROCKS	SEDIMENTARY, VOLCANIC, AND METAMORPHIC ROCKS				
Tgb	<table border="1"> <tr><td>cm</td><td>Qb</td></tr> <tr><td>cv</td><td></td></tr> </table>	cm	Qb	cv	
cm	Qb				
cv					
gr	Qes				
qm	Qsb				
gdqm	Qaf				
	Qa1				
	Qs				
	Qsc				
	ag				
	bhg				
	bg				

**GABBRO DIKES**  
**GRANITE**  
**QUARTZ MONZONITE**  
**GRANODIORITE TO QUARTZ MONZONITE**

**VOLCANIC ROCKS—Basalt (Qb) includes cinder material (cm) and central vent (cv)**  
**EOLIAN SAND DEPOSITS**  
**SABKHAH DEPOSITS**  
**WADI FLOOD-PLAIN DEPOSITS**  
**ALLUVIAL SAND AND GRAVEL DEPOSITS**  
**PEDIMENT AND PLAINS DEPOSITS**  
**SHALLOW BANK AND CORAL REEF DEPOSITS—Subaqueous**  
**ABLAH GROUP**  
 Siltstone, graywacke, quartzite, and conglomerate  
**BAHAH GROUP**  
 Graywacke, siltstone, and argillite  
**BAISH GROUP**  
 Basalt, andesite, volcaniclastic rocks, graywacke, slate, argillite, and chert

- SYMBOLS
- CONTACT
  - FAULT
  - STRIKE AND DIP OF FOLIATION OR SCHISTOSITY
    - Inclined, showing degree of dip
  - STRIKE AND DIP OF FOLIATION OR SCHISTOSITY AND PARALLEL BEDDING
    - Inclined
  - ROAD
  - TOWN
  - RUIN
  - SAMPLE LOCATION AND NUMBER - Should be prefixed with 176 for complete RASS code (176 586)
- ROCK TYPES
- DR diorite
  - GB gabbro
  - GD granodiorite
  - GN gneiss
  - MN monzonite
  - QZ quartzite
  - SC schist

Aerial photography 1953, controlled mosaic 1955  
Aero Service Corporation, Philadelphia, Penn. U.S.A.



Geology mapped between December 1973 and March 1974

RECONNAISSANCE GEOLOGY OF THE JABAL HASHAHISH QUADRANGLE, SHEET 17/41 B, KINGDOM OF SAUDI ARABIA

by  
Donald G. Hadley

1982

This map is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey standards