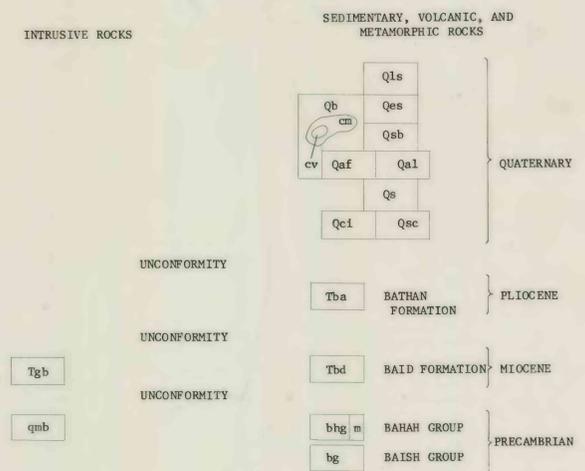


CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- | | |
|-----------------|--------------------------------------------------------------------------------|
| INTRUSIVE ROCKS | SEDIMENTARY, VOLCANIC, AND METAMORPHIC ROCKS |
| Tgb | GABBRO DIKES |
| qmb | BIOTITE QUARTZ MONZONITE |
| cm | VOLCANIC ROCKS-Basalt (qb) includes cinder material (cm) and central vent (cv) |
| cv | |
| Qls | EOLIAN LINEAR SAND RIDGE DEPOSITS |
| Qes | EOLIAN SAND DEPOSITS |
| Qsb | SABKHAH DEPOSITS |
| Qaf | WADI FLOOD-PLAIN DEPOSITS |
| Qal | ALLUVIAL SAND AND GRAVEL DEPOSITS |
| Qs | PEDIMENT AND PLAINS DEPOSITS |
| Qc1 | CARBONATE SAND DEPOSITS |
| Qsc | SHALLOW BANK AND CORAL REEF DEPOSITS-Subaqueous |
| | BATHAN FORMATION |
| Tba | Polymictic conglomerate |
| | BAID FORMATION |
| Tbd | Tuffaceous siltstone |
| | BAHAH GROUP |
| m bhg | Graywacke, siltstone, argillite, and marble marker beds (m) |
| | BAISH GROUP |
| bg | Basalt, andesite, volcanoclastic rocks, graywacke, slate, argillite, and chert |

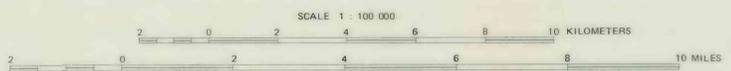
SYMBOLS

- CONTACT
- FAULT
- STRIKE AND DIP OF BEDS
- 35° Inclined, showing degree of dip
- STRIKE AND DIP OF FOLIATION OR SCHISTOSITY
- 30° Inclined, showing degree of dip
- STRIKE AND DIP OF FOLIATION OR SCHISTOSITY AND PARALLEL BEDDING
- 75° Inclined
- ROAD
- TOWN
- 552 SAMPLE LOCATION AND NUMBER - should be prefixed with 176 for complete RASS code (176553)

ROCK TYPES

- BA basalt
- DB diabase
- DR diorite
- FE felsite
- GB gabbro
- GE greenstone
- GW graywacke
- HR hornblende
- MB marble
- PY pyroxenite
- QZ quartzite
- TF tuff

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 MANJAMAQ QUADRANGLE, SHEET 18/41 A, 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.