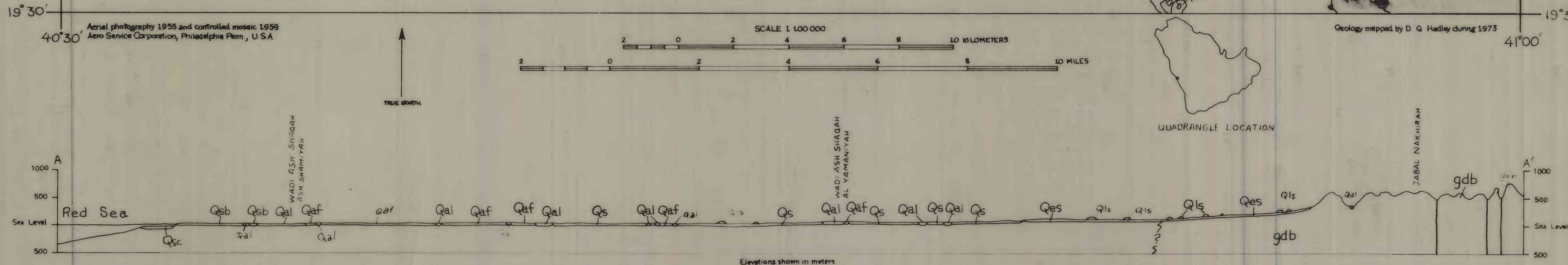


- DESCRIPTION OF MAP UNITS**
- | INTRUSIVE ROCKS                                    | SEDIMENTARY, VOLCANIC, AND METAMORPHIC ROCKS                         |
|--|--|
| Tgr GRANITE  | Qis EOLIAN LINEAR SAND RIDGE   |
| Tgb GABBRO   | Qes EOLIAN SAND DUNE FIELDS  |
| gdb QUARTZ DIORITE AND TONALITE - Abundant biotite | Qsb SABKHAH DEPOSITS   |
|  | Qaf WADI FLOOD PLAIN SILT DEPOSITS                                   |
|  | Qal ALLUVIAL SAND AND GRAVEL   |
|  | Qs PEDIMENT AND PLAINS SAND, GRAVEL, AND SILT DEPOSITS               |
|  | Qci CARBONATE ISLANDS  |
|  | Qsc SHALLOW BANKS AND CORAL REEF                                     |
|  | Tba BATHAN FORMATION<br>Polymictic conglomerate and sandstone        |
|  | Tb BAID FORMATION<br>Ash fall tuff, basalt, limestone, and siltstone |
|  | bhbs BAHAH GROUP<br>Biotite schist                                   |

- SYMBOLS**
- CONTACT
  - FAULT
  - 25 STRIKE AND DIP OF BEDS - Top not implied  
Inclined
  - 30 STRIKE AND DIP OF FOLIATION OR SCHISTOSITY  
Inclined
  - 700+ SPOT ELEVATION - In meters
  - WELL

MUSAYLIM QUADRANGLE  
D G HADLEY



**RECONNAISSANCE GEOLOGY OF THE MUSAYLIM QUADRANGLE, SHEET 19/40 B, KINGDOM OF SAUDI ARABIA**  
by  
**Donald G. Hadley**