

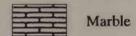
LIST OF MAP UNITS

- QUATERNARY SEDIMENTARY ROCKS
- Qu UNDIVIDED QUATERNARY DEPOSITS
- LATE PROTEROZOIC TO EARLY PALEOZOIC VOLCANIC AND SEDIMENTARY ROCKS
- j JIBALAH GROUP
- LOWER PROTEROZOIC INTRUSIVE ROCKS
- gd GRANODIORITE
- LATE PROTEROZOIC VOLCANIC, METAMORPHIC, AND SEDIMENTARY ROCKS
- m MYLONITE--Showing protolith in parentheses where identifiable;
 m(mb) Basalt protolith
 m(gb) Gabbro protolith
- br BRECCIA--Undeformed
- mb METABASALT--Foliated, vesicular
- b BASALT AND DIABASE--Undeformed
- LATE PROTEROZOIC INTRUSIVE AND ULTRAMAFIC ROCKS
- gb GABBRO
- gbp INTERLAYERED GABBRO AND PERIDOTITE
- um UNDIVIDED ULTRAMAFIC TECTONITE

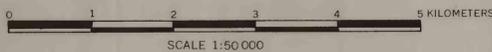
EXPLANATION OF MAP SYMBOLS

- CONTACT--Dashed where approximate, dotted where concealed
- FAULT--Showing dip; dashed where approximate, dotted where concealed; arrows show direction of strike slip
- ANTICLINE--Showing trace of axial plane and plunge direction of fold axis; dotted where concealed
- 50 STRIKE AND DIP OF BEDS AND CUMULATE LAYERING--Inclined, showing inclination
- 70 STRIKE AND DIP OF SPINEL FOLIATION--Inclined, showing inclination
- 85 STRIKE AND DIP OF FOLIATION--Inclined, showing inclination
- Vertical
- BEARING AND PLUNGE OF LINEATIONS AND FOLD AXES
- F₁ generation
- F₂ generation
- F₃ generation
- SPINEL COMPOSITION
- Cr/(Cr+Al) < 0.63
- Cr/(Cr+Al) > 0.63

LITHOLOGY



Geology compiled by James E. Quick in 1986



This report has not been edited or reviewed for conformity with U.S. Geological Survey standards and nomenclature.

GEOLOGIC MAP OF THE WADI KHADRA AREA, KINGDOM OF SAUDI ARABIA

TECTONIC HISTORY OF THE NORTHERN NABITAH FAULT ZONE, ARABIAN SHIELD, KINGDOM OF SAUDI ARABIA

By

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1990