

42°40'50"E

86-28



EXPLANATION OF MAP UNITS

- DIKES--Aplite, light gray to tan. In places contain disseminated pyrite
- DIKES--Medium grained, felsic, contain prominent, slender hornblende laths
- GABBRO--Partially serpentinized
- LISTWAENITE--Light brown, dolomitic. In many places altered to Jasperoid (J), or cut by quartz stockworks. Numerous zones contain disseminated pyrite
- MARAGHAM LITHIC GRAYWACKE (mlg)--Mostly immature sandstone. Locally grades into conglomerate (cgl). Gray to gray-brown
- QARNAYN LITHIC GRAYWACKE--Mostly immature sandstone

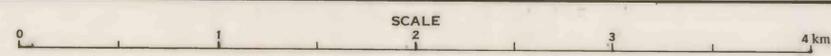
PRECAMBRIAN
MURDAMA GROUP

SYMBOLS

- CONTACT--Dashed where inferred
- FAULT--Dashed where inferred
- THRUST FAULT--Dashed where inferred, dotted where covered. Sawteeth on upper plate
- SHEAR--Showing dip (70°) and relative movement where known
- STRIKE AND DIP OF BEDDING
- DRY STREAM BED
- ANCIENT WORKING--Number 23 showing trend and approximate length. The numbers 764 are the last three digits of a six-digit dump-sample number
 - numbers 748 or higher - from 147,000 sample series
 - numbers 508-526 - from 200,000 sample series
 - numbers 042-146 - from 213,000 sample series
- TRENCH--showing identification number
- ROCK-CHIP SAMPLE SITE --Showing last three digits of a six-digit sample number
- GEOPHYSICAL TRAVERSE

26°13'00"N

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



GEOLOGY MAP OF THE SHIAILA AREA SHOWING THE LOCATIONS OF ANCIENT MINES, SAMPLE POINTS, AND RECENT TRENCHING, KINGDOM OF SAUDI ARABIA

by
Charles W. Smith
1985