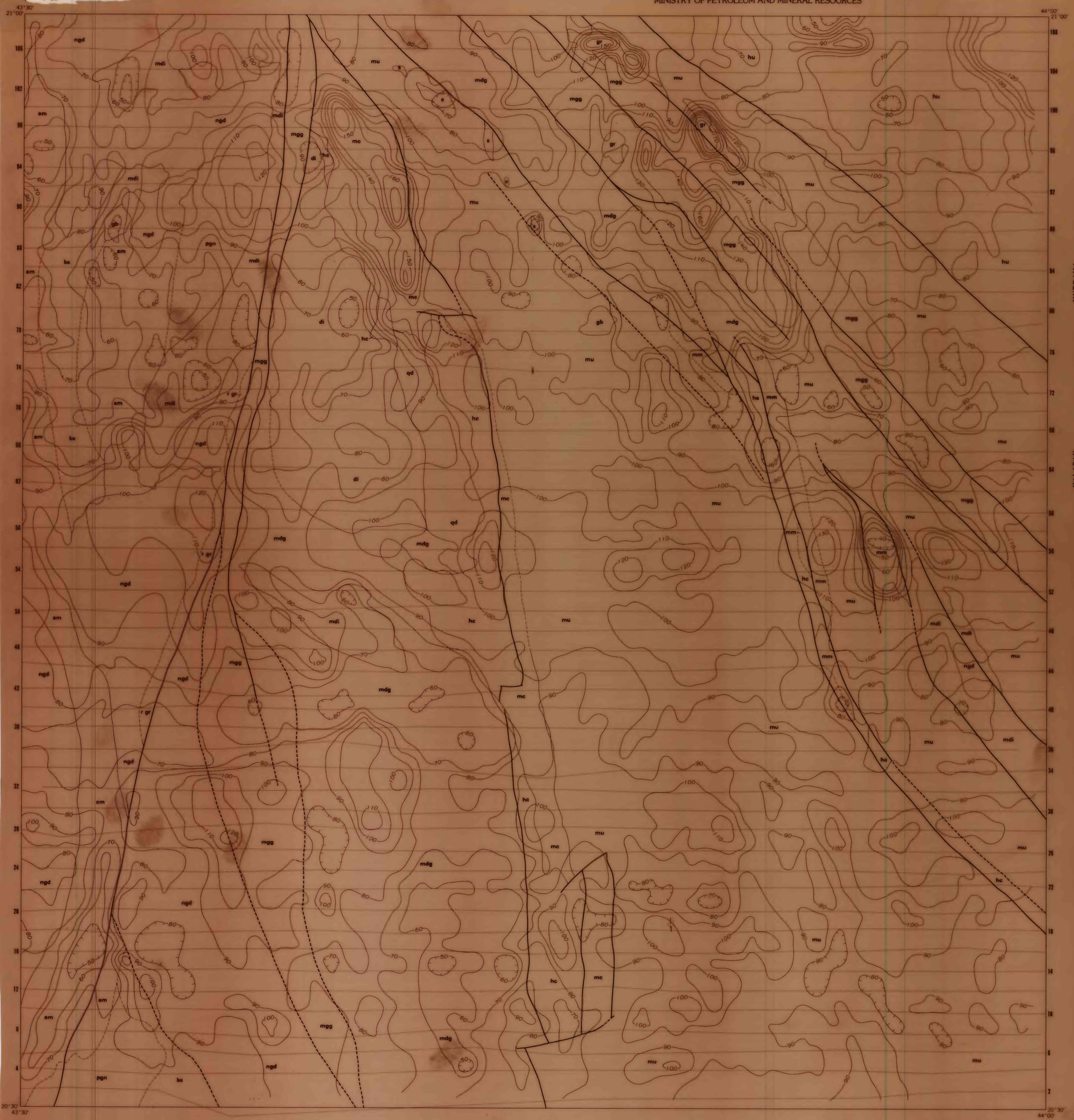

EXPLANATION

SEDIMENTARY, VOLCANIC, AND METAMORPHIC ROCKS

- s — SERPENTINITE

MURDAMA GROUP
- mu — ARKOSIC AND VOLCANICLASTIC ROCKS, UNDIVIDED
- mc — CONGLOMERATE WITH GRANITE COBBLES
- mm — MARBLE

HALABAN GROUP
- hc — METACLASTIC ROCKS, ANDESITE AND BASALT
- hu — METASEDIMENTARY AND METAVOLCANIC ROCKS, UNDIVIDED
- am — PARA-AMPHIBOLITE
- bs — BIOTITE SCHIST
- pgn — PARAGNEISS

IGNEOUS ROCKS

- gr — GRANITE
- r gr — RED GRANITE
- ngd — GRANODIORITE OF JABAL NAJEEB
- qd — QUARTZ DIORITE
- di — DIORITE
- gb — GABBRO
- mdi — METADIORITE
- mgg — GRANODIORITE GNEISS
- mdg — DIORITIC GNEISS

CONTACT BETWEEN ROCKS OF DIFFERENT LITHOLOGIC CHARACTER—Dashed where uncertain or inferred

FAULT OR FAULT CONTACT—Dashed where uncertain or inferred

4 — 1 FLIGHT LINE LOCATION AND NUMBER—Flight line spacing 1 km; mean terrain clearance 91 m

80 RADIATION CONTOUR—Contour interval 1000 counts per minute; multiply by 100 for true values

RADIATION LOW

SCALE 1:100 000

1 ½ 0 1 2 3 4 5 MILES

1 .5 0 1 2 3 4 5 KILOMETERS

Geologic base map by D.L. Schmidt, 1979. Gamma radiation survey flown and compiled by the U.S. Geological Survey Saudi Arabian Project, 1971

SIMPLIFIED GEOLOGIC MAP OF THE JABAL YAFIKH QUADRANGLE, KINGDOM OF SAUDI ARABIA SHOWING TOTAL-COUNT GAMMA RADIATION CONTOURS

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.