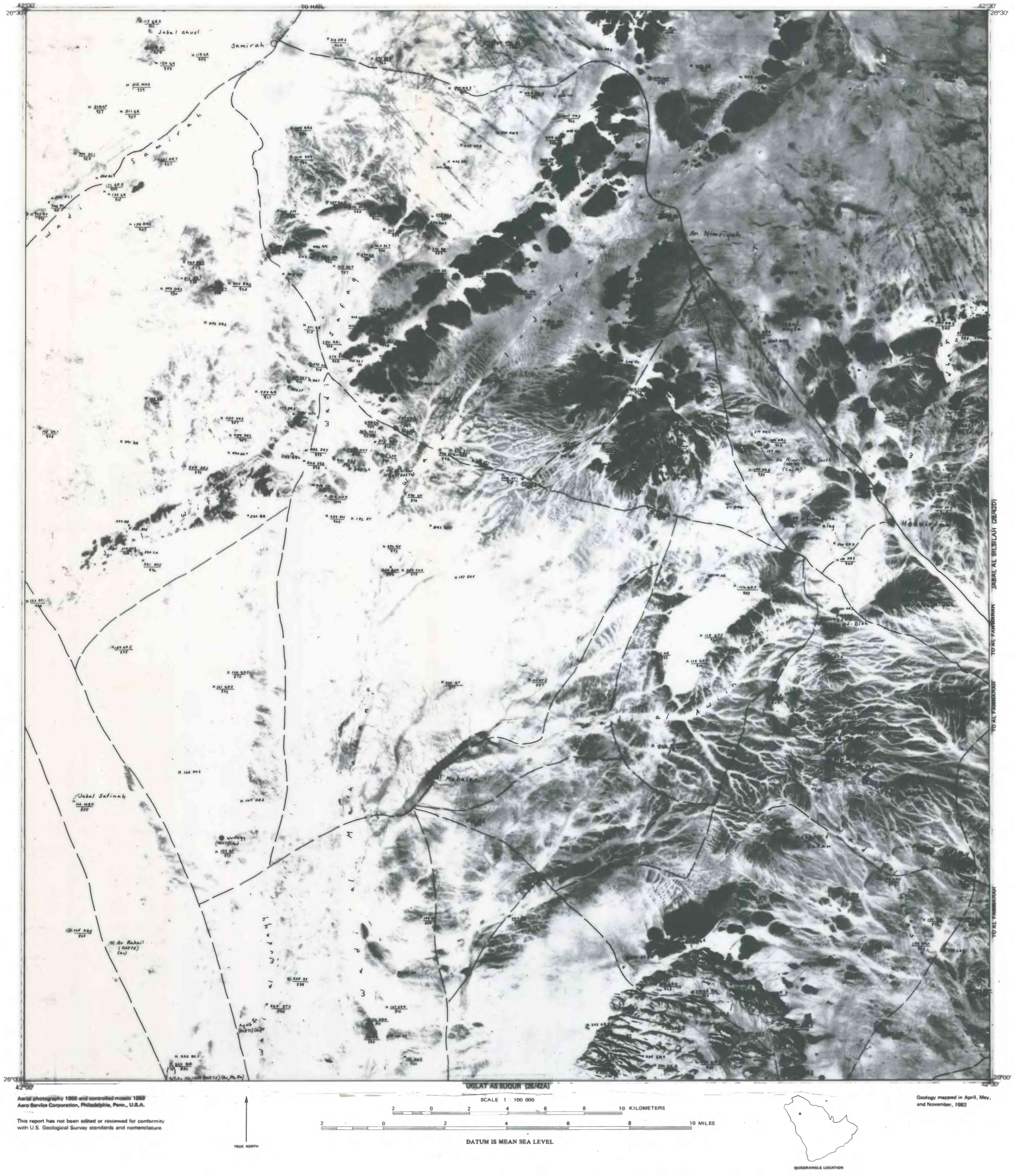
U.S. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, PREPARED FOR

MINISTRY OF PETROLEUM AND MINERAL RESOURCES
DEPUTY MINISTRY FOR MINERAL RESOURCES

KINGDOM OF SAUDI ARABIA

OPEN-FILE REPORT USGS-OF 84-383
PLATE 2



EXPLANATION

- PAVED HIGHWAY
- DIRT ROAD OR TRACK
- Samirah ○ VILLAGE
- ⚒ Aqab (02271) ANCIENT MINE AND MODS* NUMBER
- ● Wudayy (03273) OTHER MINERALIZED LOCALITY AND MODS* NUMBER (MODS* - Mineral Occurrence Documentation System)
- × 225 DR7 / 993 — FIELD STATION (#), SAMPLE NO. (PREFIX 193---), AND ROCK TYPE CODE
- APPROXIMATE ALTITUDE ABOVE SEA LEVEL, METERS

ROCK-TYPE CODES

CODE	ROCK-TYPE	MODIFIER
AE	ALASKITE	–
AM	AMPHIBOLITE	–
AN	ANDESITE	–
AN9	"	OCC AS DIKE
AP	APLITE	–
AP1	"	PORPHYRY
AP3	"	MICACEOUS
AR	ARGILLITE	–
AR4	"	SILTY
AR5	"	CALCAREOUS
ARE	"	SILICEOUS
BA	BASALT	–
BA9	"	OCC. AS DIKE
BRE	BRECCIA	SILICEOUS
CN	CONGLOMERATE	–
CN2	"	SANDY
CN3	"	CALCAREOUS
DC	DACITE	–
DC1	"	PORPHYRITIC
DR	DIORITE	–
DR1	"	META-
DR2	"	QUARTZ
DR3	"	MICA
DR7	"	AMPHIBOLE
DO	DOLOMITE	–
DO4	"	SILTY
FE	FELSITE	–
GB	GABBRO	–
GB1	"	META-
GB6	"	PYROXENE-
GB7	"	AMPHIBOLE
GD	GRANODIORITE	–
GD3	"	MICA
GE	GREENSTONE	–
GN	GNEISS	–
GN2	"	QUARTZ
GN7	"	AMPHIBOLE
GR	GRANITE	–
GR3	"	MICA
GR7	"	AMPHIBOLE
GV	GRAVEL	–
GW	GRAYWACKE	–
HF	HORNFELS	–
IR	IRONSTONE	–
LS	LIMESTONE	–
LS2	"	SANDY
LS4	"	SILTY
LS K	"	DOLOMITIC
MB	MARBLE	–
MB2	"	SANDY
MBE	"	SILICEOUS
MBK	"	DOLOMITIC
MN	MONZONITE	–
MN2	"	QUARTZ
MN3	"	MICA
MN7	"	AMPHIBOLE
PL	PHYLLITE	–
QR	QUARTZ	–
QZ	QUARTZITE	–
QZ1	"	META-
QZ2	"	CONGLOMERATIC
QZ3	"	CALCAREOUS
QZK	"	DOLOMITIC
RY	RHYOLITE	–
RY1	"	PORPHYRITIC
SC7	SCHIST	AMPHIBOLE
SS	SANDSTONE	–
SS1	"	CONGLOMERATIC
SS4	"	SILTY
SS6	"	CALCAREOUS
SS7	"	VOLCANIC
SSE	"	SILICEOUS
SSJ	"	TUFFACEOUS
ST	SILTSTONE	–
ST1	"	META-
ST2	"	CONGLOMERATIC
ST8	"	SANDY
ST5	"	CLAYEY
TF	TUFF	CALCAREOUS
TO	TONALITE	–

MINERAL LOCALITIES (⚒ and ●)

LOCALITIES WHERE ROCK OR VEIN CONTAINS GREATLY ANOMALOUS CONCENTRATIONS OF ELEMENTS, DETERMINED BY OUTCROP EXAMINATION OR LABORATORY ANALYSIS

Au	GOLD
Cu	COPPER
Fe	IRON
Pb	LEAD
Sb	ANTIMONY
Zn	ZINC

Aerial photography 1956 and controlled mosaic 1959
Aero Service Corporation, Philadelphia, Penn., U.S.A.

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

Geology mapped in April, May, and November, 1982

MAP OF THE SAMIRAH QUADRANGLE, SHEET 26/42 C, KINGDOM OF SAUDI ARABIA, SHOWING MINERAL LOCALITIES, FIELD STATIONS, ROCK TYPES, ALTITUDES, AND CULTURAL AND GEOGRAPHIC FEATURES

by
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1984