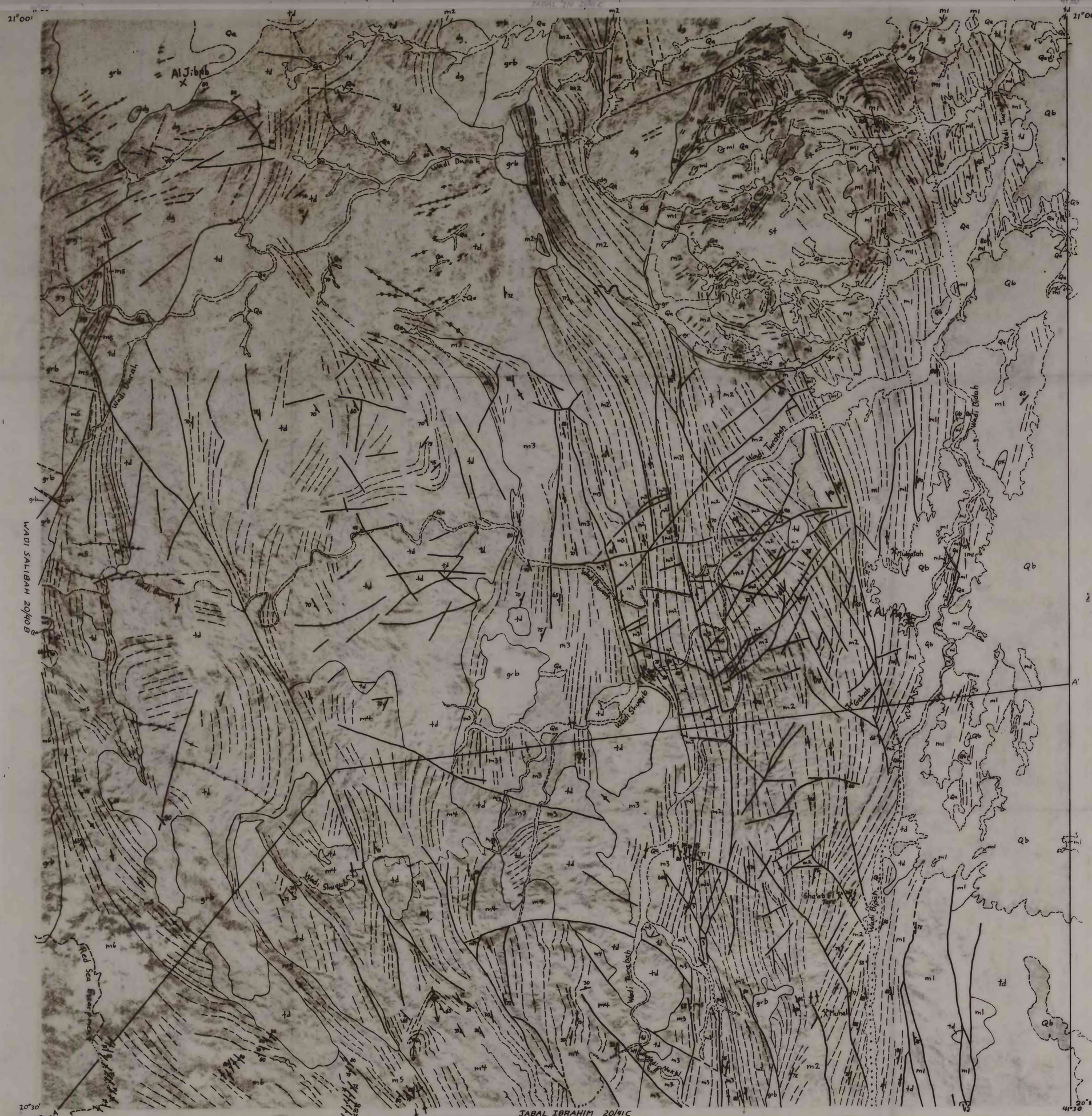


CORRELATION OF MAP UNITS

INTRUSIVE ROCKS

SEDIMENTARY, VOLCANIC, AND METAMORPHIC ROCKS

QUATERNARY: Qa, Qb

UNCONFORMITY

PRECAMBRIAN: st, gr, px, grb, dg, grg, td, m6, m5, m4, m3, m2, m1

DESCRIPTION OF MAP UNITS

- **Qa** ALLUVIUM
- **Qb** OLIVINE BASALT
- **st** SYENITE-TRONDHJEMITE COMPLEX
- **gr** GRANITE RING DIKE--Pink, coarse-grained, potassium-feldspar-rich leucogranite
- FELSIC DIKES
- **grb** BIOTITE GRANITE--Pink, coarse-grained leucogranite and finer gneissic granite
- **px** PYROXENITE
- **dg** DIORITE AND GABBRO--Light- to medium-gray, coarse-grained hornblende diorite and olivine-clinopyroxene gabbro
- **grg** GRANITE, GRANODIORITE, QUARTZ DIORITE, AND DIORITE
- **td** TONALITE AND QUARTZ DIORITE--Light-gray, coarse-grained, quartz-rich rocks grading into darker rocks without quartz, both gneissic and structureless
- **m6** METAMORPHIC UNIT 6--Amphibolite, greenstone, gneiss, granulite, phyllitic quartzite, schist, phyllite, and marble
- **m5** METAMORPHIC UNIT 5--Phyllitic quartzite, phyllite, schist, marble, and greenstone
- **m4** METAMORPHIC UNIT 4--Greenstone, tuff, phyllitic quartzite, phyllite, argillite, and amphibolite
- **m3** METAMORPHIC UNIT 3--Phyllitic quartzite, phyllite, argillite, slate, granulite, and greenstone
- **m2** METAMORPHIC UNIT 2--Phyllitic quartzite, phyllite, schist, greenstone, meta-andesite, metadacite, and marble
- **m1** METAMORPHIC UNIT 1--Greenstone, tuff, phyllite, and marble

CONTACT--Dotted where concealed

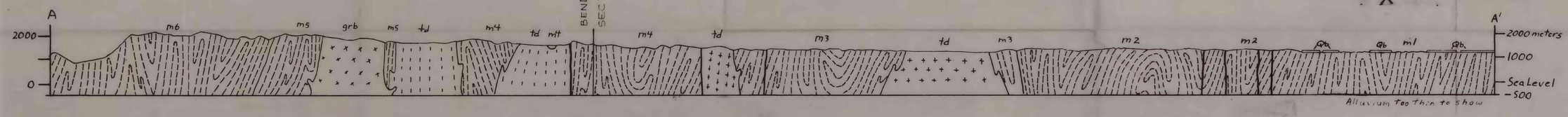
FAULT--Dashed where inferred, dotted where concealed

STRIKE OF FOLIATION--Observed on aerial photographs; direction of dip shown where low enough to determine

75 STRIKE AND DIP OF FOLIATION OR GNEISSOSITY

STRIKE AND VERTICAL DIP

ANCIENT MINE



RECONNAISSANCE GEOLOGY OF THE WADI SHUQUB QUADRANGLE, SHEET 20/41 A, KINGDOM OF SAUDI ARABIA

by

Robert C. Greene and Louis Gonzalez

1979