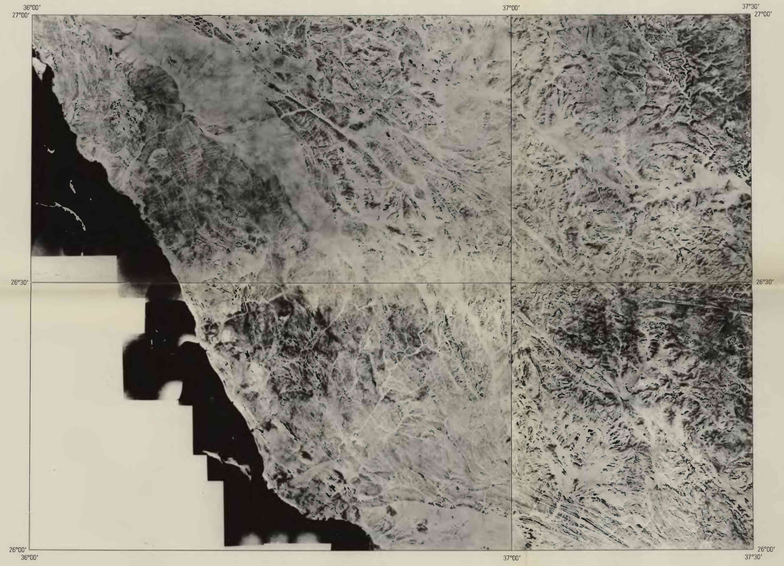
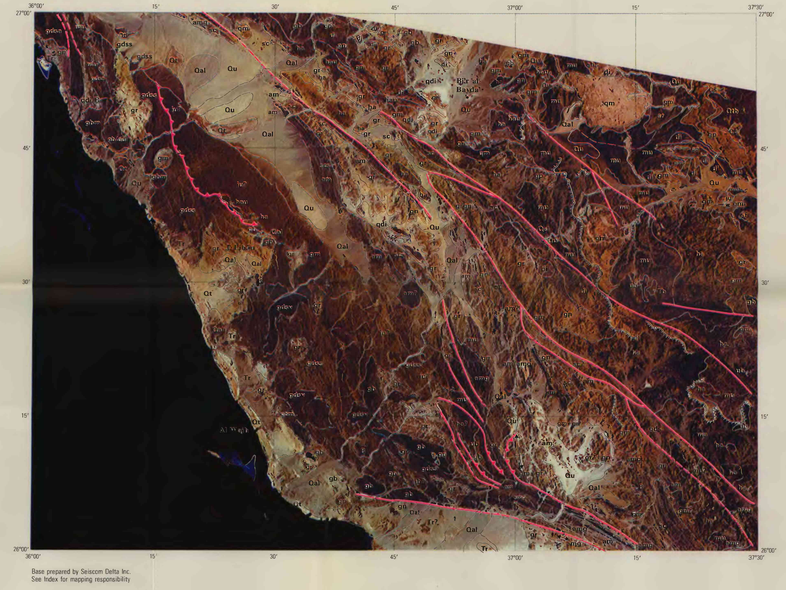


A. SEMICONTROLLED AERIAL PHOTOMOSAIC



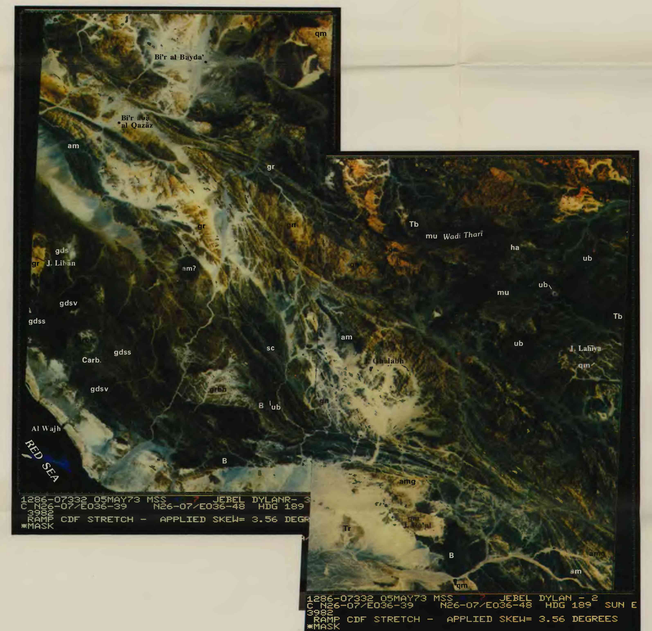
Base prepared by Seiscom Delta Inc.
See Index for mapping responsibility

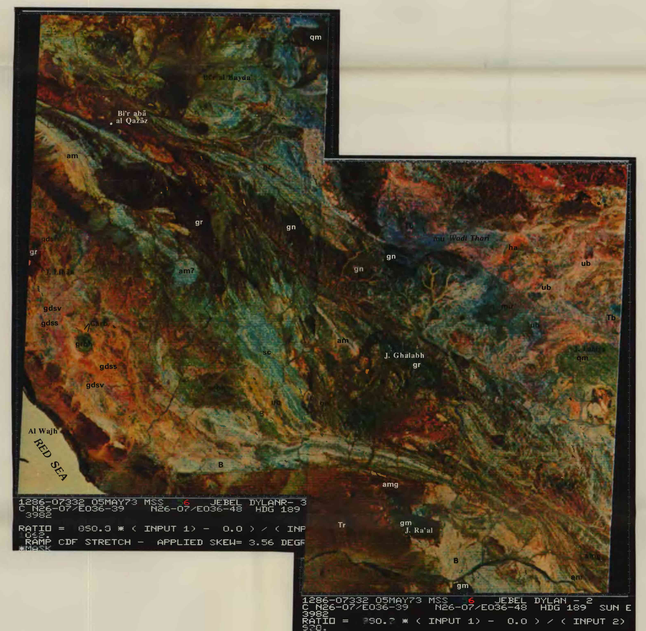
B. GEOLOGIC MAP ON COLOR COMPOSITE LANDSAT IMAGE

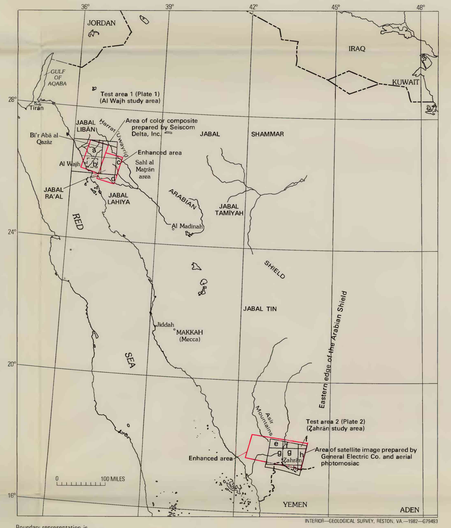
EXPLANATION OF MAP UNITS

ESTIMATED ISOTOPIC AGES (m.y. B. P.)	PLUTONIC ROCKS—IGNEOUS AND METAMORPHIC	LAYERED ROCKS—SEDIMENTS AND VOLCANIC FLOWS	
		Qal—Quaternary alluvium	QUATERNARY
		Qu—undifferentiated alluvium, includes some Tertiary clastics	
		Qt—terraces and Pleistocene elevated coral reefs	
		Tr—Raghama Formation (Miocene)	TERTIARY
		Tb—basalt remnants on hilltops	
		Cs—Cambrian sandstone, Nubian type	CAMBRIAN
580–570		**ju**—polymict conglomerate, andesite, alkalic basalt, and rhyolite flows; limestone, unmetamorphosed pelitic sediments	INFRACAMBRIAN
635–570	**gp**—alkaline to peralkaline granite, syenite, some intrusive rhyolite	**sr**—rhyolite, tuffs, volcanogenic sediments	
680–620	**gbm**—gabbro, alkaline and calcalkaline; **grbh**—granite; **qm**—quartz monzonite and granodiorite		PRECAMBRIAN
		mu—clastic sediments; **sc**—sericite, chlorite, quartz feldspar, schist, mostly in the greenschist metamorphic facies; some biotite and hornblende; **scs**—schistose sediments	
700–620	**gr**—calcalkaline biotite-hornblende granite and quartz monzonite, some granodiorite		
665–650		**hau**—rhyolite, ignimbrite and tuff	
780–660	**gb**—gabbro; **di**—diorite; **qdi**—quartz diorite; **gm**—granodiorite and granodiorite gneiss	**ha**—andesite, mostly in greenschist metamorphic facies	
	ub—ultramafic igneous rocks		
780	**B**—calcic metagabbro, metadiorite, anorthosite, migmatite complex		
1100–1000		**gdsa**—metabasalt, metaandesite; **gdsv**—metarhyolite; **gdss**—some metasediment; **gds**—undifferentiated	
		gn—gneiss, mostly paraamphibolite; schistose	
		am—amphibolite schist and gneiss; **amg**—amphibolite gneiss in Nejd fault zone, includes rocks as young as **mu**, possibly younger	

Geologic contact—dashed where approximately located
Fault—dashed where approximately located
Thrust fault—teeth on upper plate, queried where doubtful
Gneiss dome
Escarpment







Boundary representation is not necessarily authoritative.

a. Area north of dotted line (26°30′) reconnaissance mapped by John Kemp
b. Area east of Al Wajh (dashed line) mapped by S. Okuma, K. Komura, and T. Hatanaka, Japan Geological Survey
c. Area east of 37°30′ E and north of 26° N mapped by C. Pellaton, Bureau de Recherches Géologiques et Minieres (BRGM), France
d. Mapped by M. Bigot, BRGM
e. Geology by D. B. Stoeser