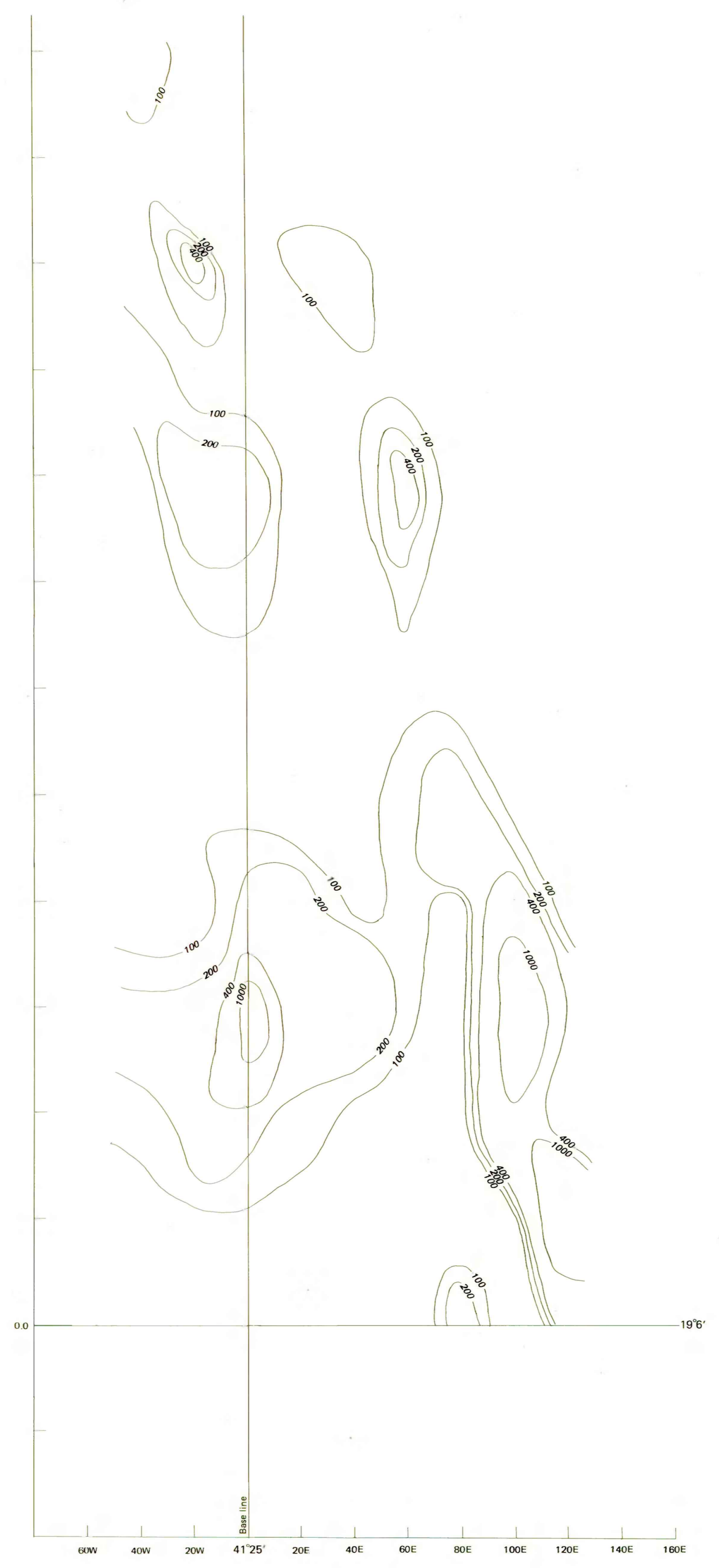
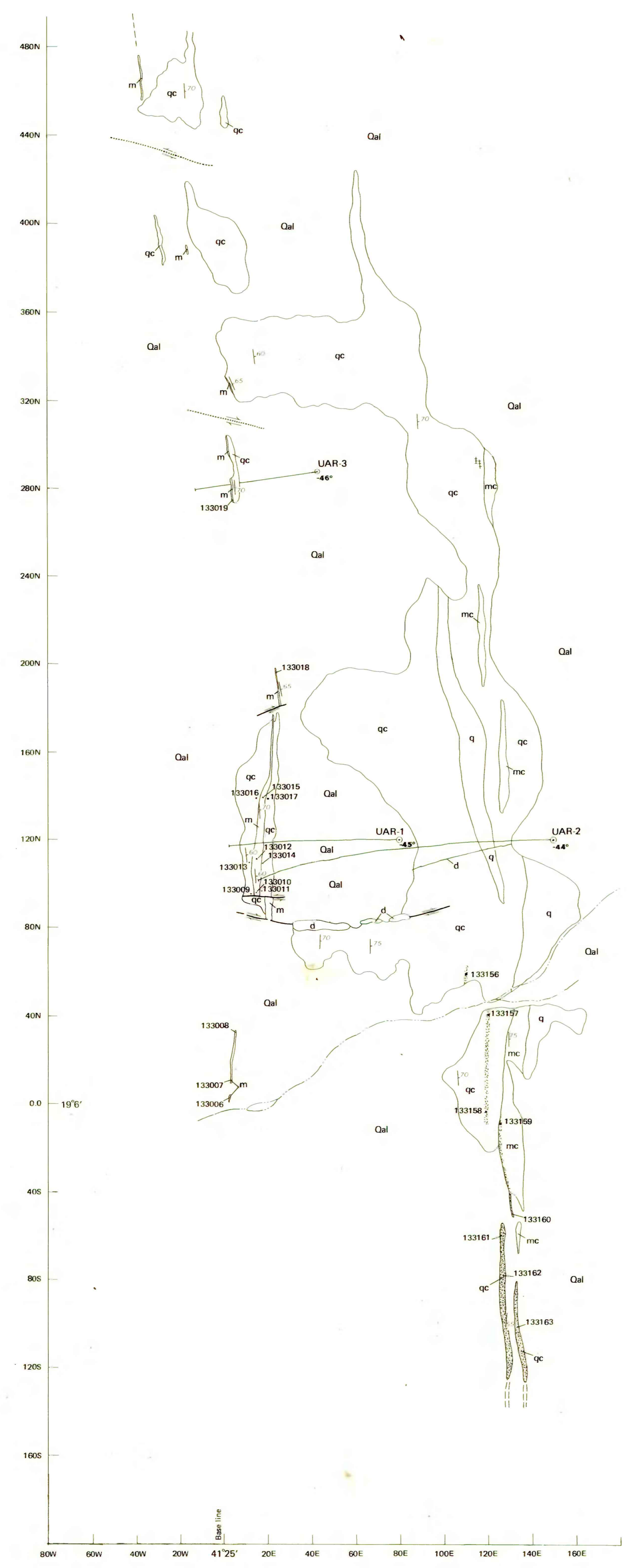


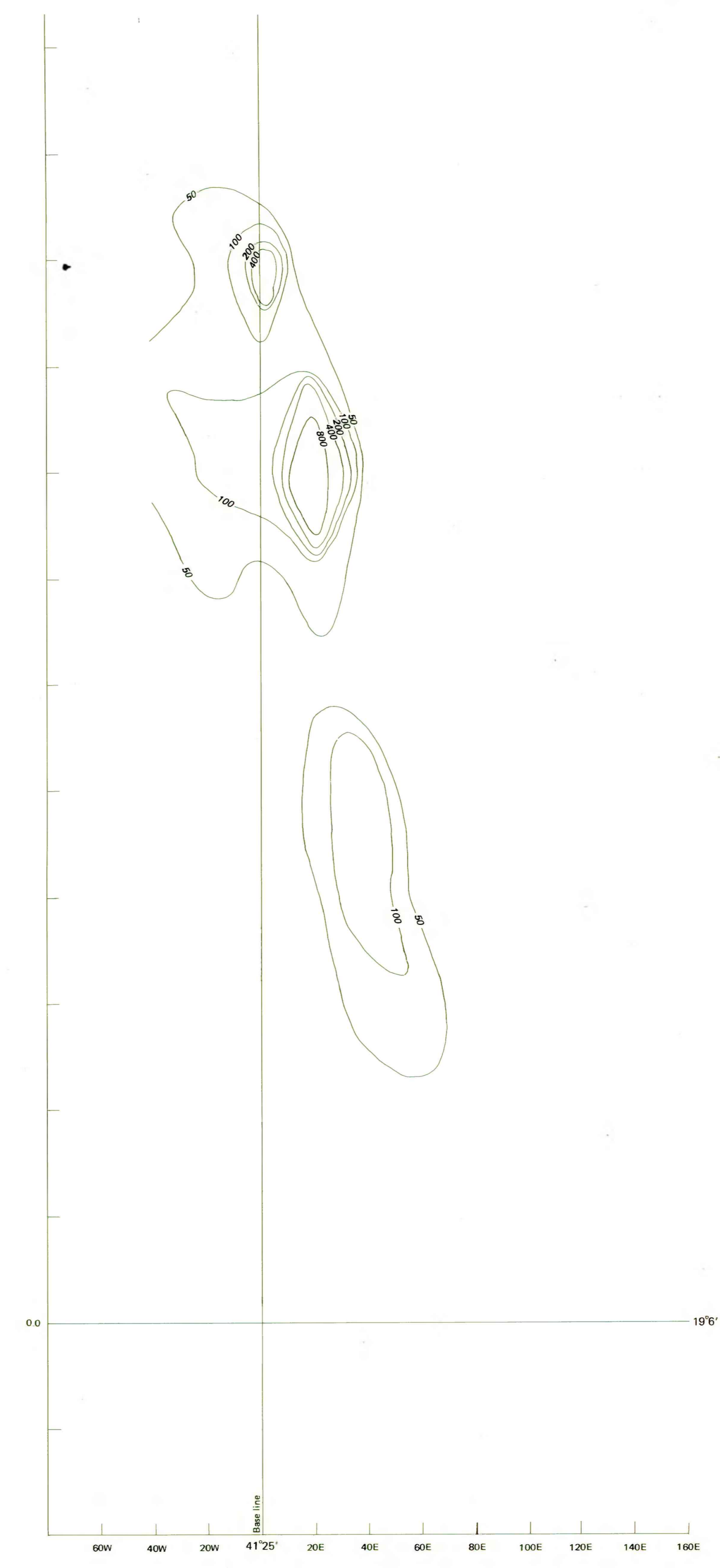
EXPLANATION	
DESCRIPTION OF MAP UNITS	
QUATERNARY	Qal Talus and windblown sand
	d Diabase dike
	m Impure sandstone with disseminated malachite
PRECAMBRIAN	qc Chloritic quartzite, with large crystals of siderite
	q Quartzite, massive and well bedded
	mc Metaconglomerate

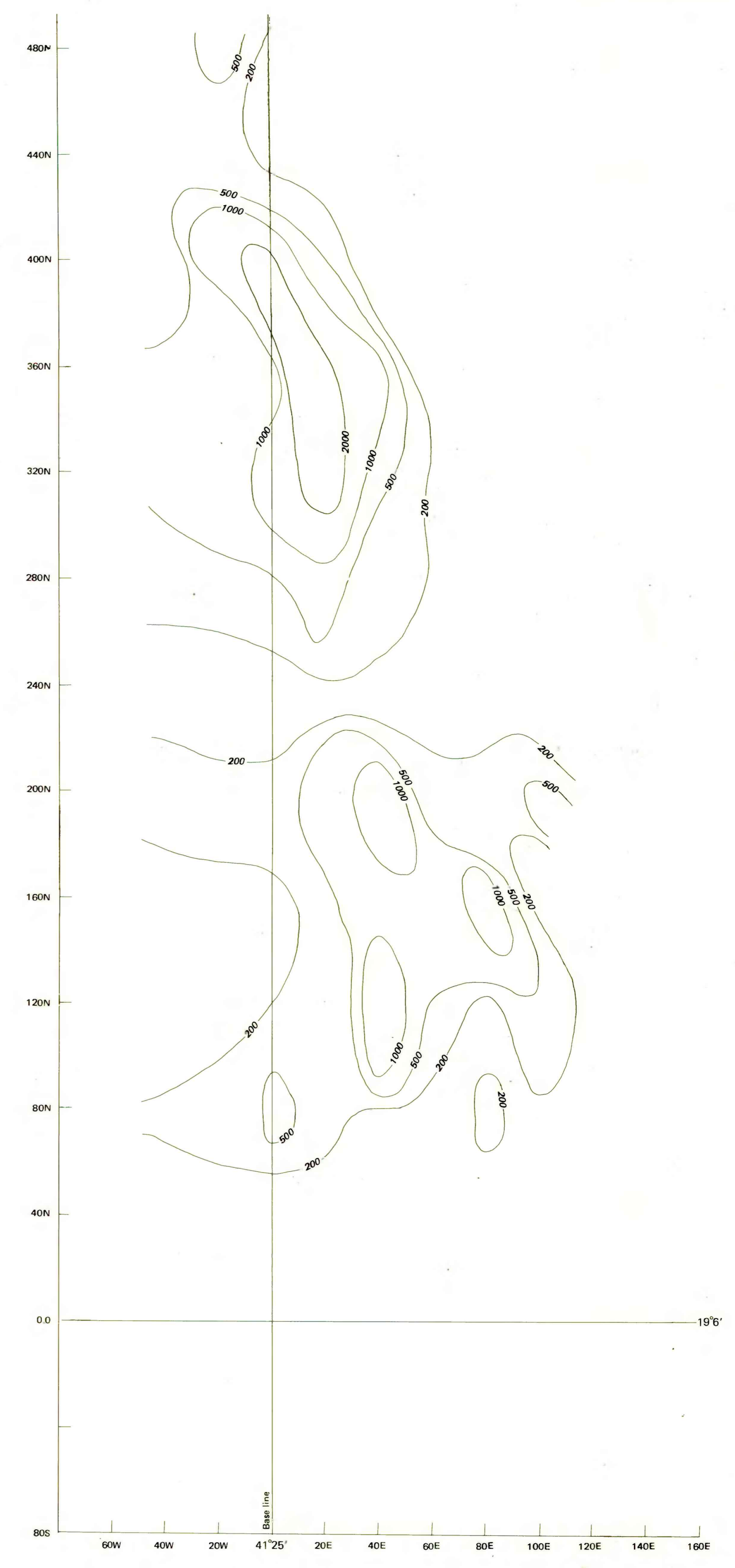
SYMBOLS	
	Geologic contact, dashed where inferred
	Fault showing displacement, dashed where inferred
	Concealed fault, showing displacement
	Strike and dip of bedding
	Surface projection of drill hole, showing inclination
	Quartz vein
	Area in which rocks other than impure quartzite contain disseminated malachite
	Intermittent stream
	Sample location



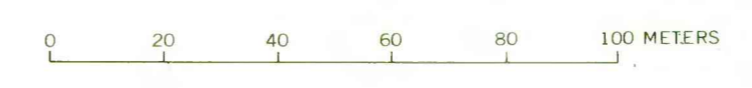
COPPER  
(contours in ppm)



LEAD  
(contours in ppm)



ZINC  
(contours in ppm)



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

**GEOLOGIC AND ELEMENT-DISTRIBUTION MAPS, UMM AR RUMMF PROSPECT, KINGDOM OF SAUDI ARABIA**