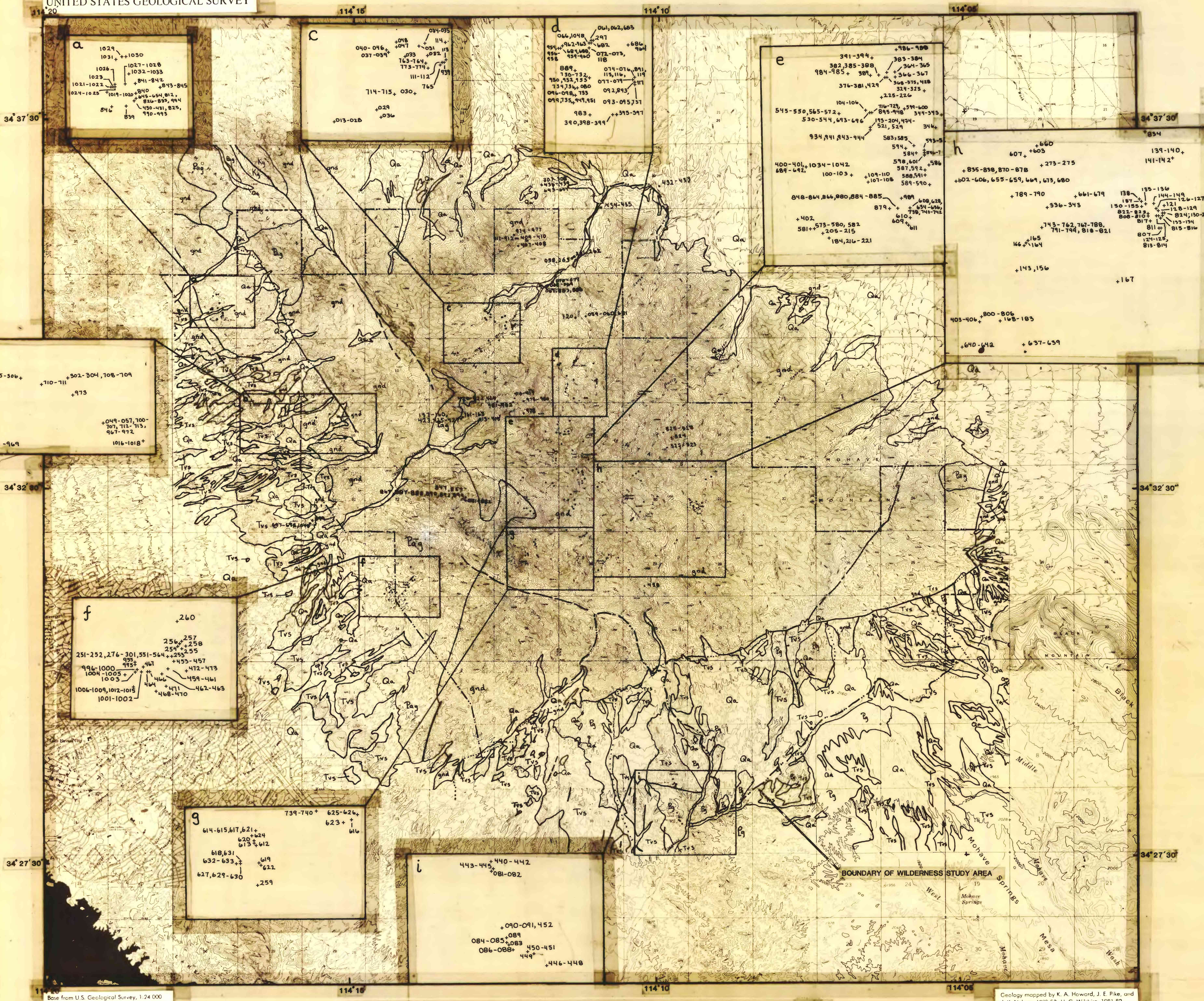


DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY



CORRELATION OF MAP UNITS

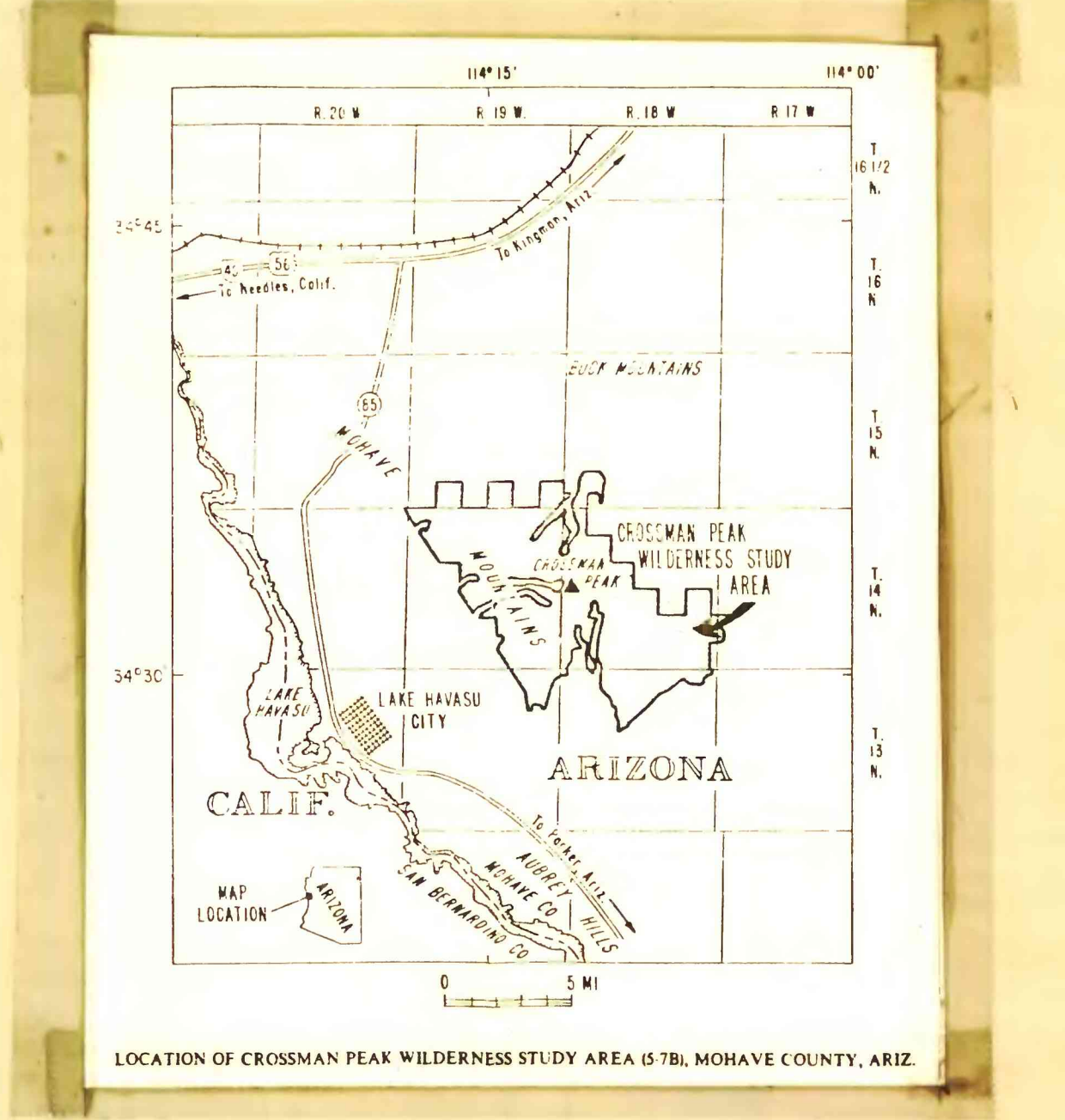
Qa	} Quaternary	Qa	} Tertiary and Proterozoic
TvS		Tertiary	
Kc	} Miocene	Kc	} Cretaceous(?)
Pg		Proterozoic	
Pg	} Proterozoic	Pg	} Proterozoic
gnd		Proterozoic	

DESCRIPTION OF MAP UNITS

- Qa ALLUVIUM (QUATERNARY) - Includes talus deposits on Rock Mountain
- TvS VOLCANIC AND SEDIMENTARY ROCKS (MIOCENE) - Flows, breccia, and tuff of siliceous to basaltic composition; tuffaceous, conglomerate, sandstone, and claystone
- Kc GRANITE AND DIORITE (CRETACEOUS?)
- Pg GRANITOID ROCKS (PROTEROZOIC) - Porphyritic and equigranular granite and quartz monzonite
- Pg AUSEN GNEISS (PROTEROZOIC) - Granite to granodiorite composition. Geographically to porphyritic granite of the granitoid rocks unit
- gnd GNEISS AND DIORITE (TERTIARY AND PROTEROZOIC) - Garnet granite gneiss, amphibolite, biotite granite gneiss, pyroxenite, and rock pelitic gneiss and quartzite, of Proterozoic age, all intruded by a dense swarm of northeast-striking felsic and mafic dikes of Tertiary age

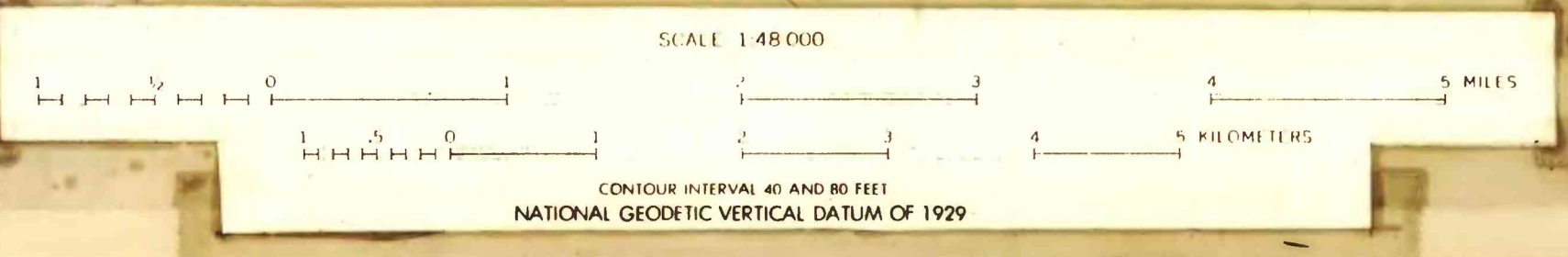
--- CONTACT - Dashed where approximately located

- - - FAULT - Dashed where approximately located, dotted where concealed; hachures on upper side of detachment fault. Box and ball on downthrow side



Base from U.S. Geological Survey, 1:24,000 Standard Wash., 1959, Buck Mountains, Buck Mountains NE, SE, Crossman Peak, Franciscan, Lake Havasu City North, 1970, Lake Havasu City South, 1975; 1:62,500, Parker Dam, 1959

Geology mapped by K. A. Howard, J. E. Pike, and J. K. Nakata, 1980-82; H. G. Wilshire, 1981-82; assisted by B. E. John and D. M. Peterson, 1980-81; J. W. Googale and V. L. Hansen, 1981; and S. L. Reneau, 1981-82



**SAMPLE LOCALITY MAP FOR ROCK SAMPLES FROM MINERALIZED LOCALITIES,
CROSSMAN PEAK WILDERNESS STUDY AREA, MOHAVE COUNTY, ARIZONA**

BY

David E. Detra, Thomas D. Light and Suzanne M. Smaglik

1984

This report is preliminary and has not been reviewed for conformity with the U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S. Geological Survey.