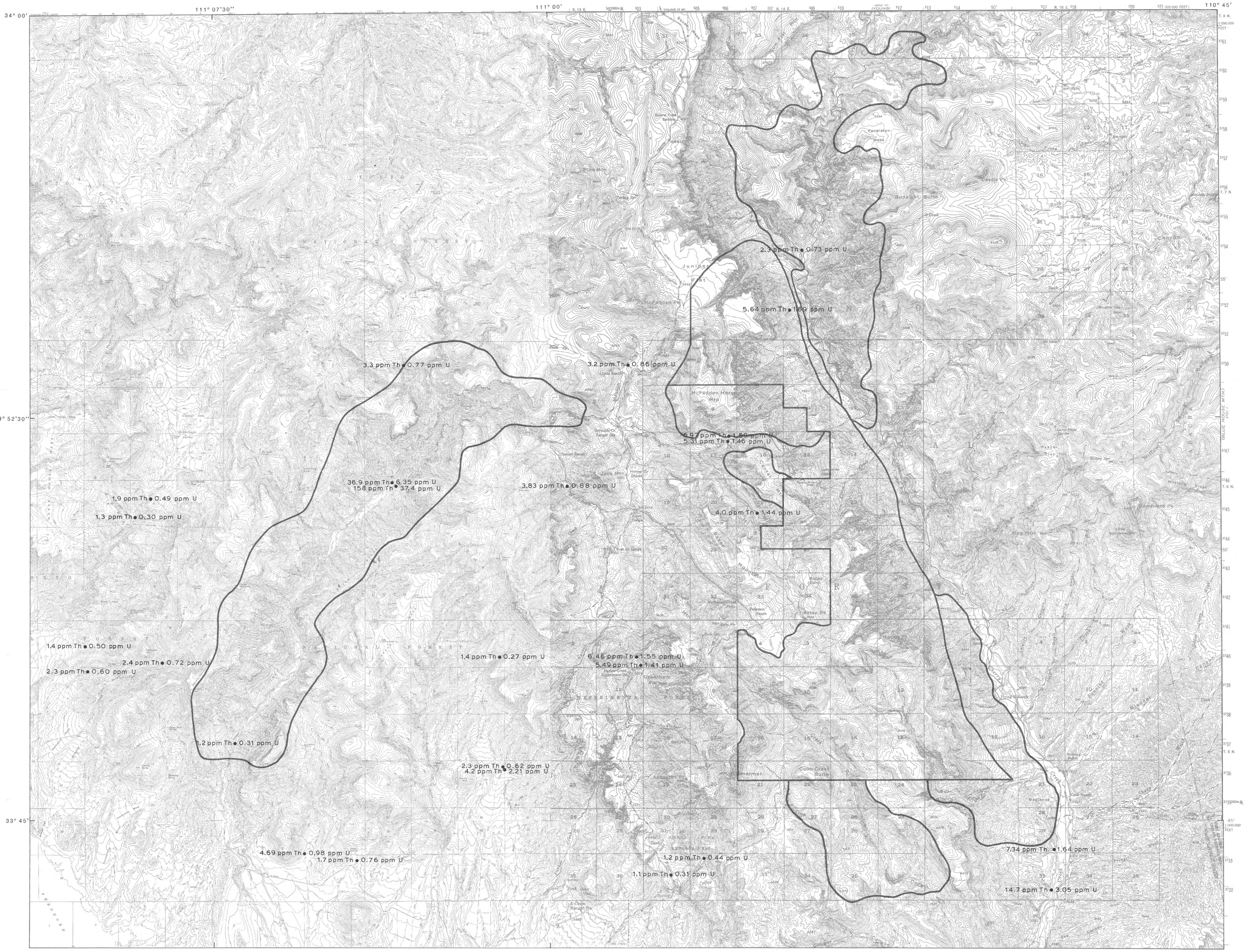
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

MISCELLANEOUS FIELD STUDIES
MAP MF-1162-C

SHEET 2 OF 2



SCALE 1:62500

1 0 1 2 3 4 MILES
3000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 0 1 2 3 4 5 KILOMETERS

14°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1964

Discussion

The U.S Geological Survey conducted a geochemical reconnaissance of the Sierra Ancha Wilderness and Salome Study Area during April and May 1978. Within an area of 900 km², 27 samples were collected. Stream channels draining basins 2 to 8 km² in area were sampled.

Thorium and uranium were analyzed in 27 samples run by delayed neutron activation. The concentrations in ppm of thorium and uranium are shown at each sample site.

The analysts were H. T. Millard, Jr., R. B. Vaughn, M. F. Coughlin, and M. W. Solt.

EXPLANATION

2.3 ppm TH•0.62 ppm U — Sample locality showing occurence of thorium and uranium in parts per million

DISTRIBUTION OF THORIUM AND URANIUM IN DRY-STREAM SEDIMENT SAMPLES

MAPS SHOWING THE DISTRIBUTION OF RADON AND URANIUM IN WATER SAMPLES AND THORIUM AND URANIUM IN DRY-STREAM SEDIMENT SAMPLES IN THE SIERRA ANCHA WILDERNESS AND SALOME STUDY AREA, GILA COUNTY, ARIZONA

By

J. C. Negri, R. B. Tripp, and J. B. McHugh

1980