



- LIST OF MAP UNITS**  
For correlation and description, see figure 2
- QTs Sand and gravel (Quaternary and Tertiary)
  - TG Granite (Oligocene)—Stocks
  - Granite to granodiorite (Paleocene to Upper Cretaceous)—Stocks
  - Andesite (Paleocene to Upper Cretaceous)—Stocks; age relations with units TKv and Tkv uncertain
  - TKv Volcanic rocks of Dos Cabezas Pile (Paleocene to Upper Cretaceous)—Mainly dacitic breccia
  - Tps Sedimentary and volcanic rocks (Tertiary to Paleozoic)
  - Yg Granite to granodiorite (Middle Proterozoic)
  - Xma Metamorphic and amphibolitic rocks (Early Proterozoic)
  - Contact
  - Fault—Dotted where concealed
  - Thrust fault—Sawtooth on upper plate
  - Survey flight line
  - Aeromagnetic contours—20 mT contour interval; labels and heavy contours at 100 mT intervals; dashed contours at 50 mT intervals; hachures or teeth (western or eastern surveys, respectively) indicate closed aeromagnetic lines; Contour labels east of longitude 109°35' W. face down gradient.
  - Spot aeromagnetic values
  - 4581 West of longitude 109°35' W.
  - 4977 East of longitude 109°35' W.

Base from U.S. Geological Survey  
Brown, 1945; Cochran Road, 1938;  
Cochran, 1941-42; Loomis, 1947;  
St. Simon, 1950; Vance, 1950

Geology by Harold Dwyer, 1978 and 1979  
Aeromagnetics composed from U.S. Geological Survey, 1978, 1980. Data west of longitude 109°35' W. acquired along north-south flight lines at nominal elevation of about 450 m (1,500 ft) above ground. Data east of that longitude acquired along east-west flight lines at nominal elevation of about 150 m (500 ft) above ground. Data corrected to the International Geomagnetic Reference Field (IGRF), 1975, updated to some of data acquisition. Offset of about 45,130 nT exists between two data sets. Offset caused by different constant values applied to IGRF-corrected data. Other differences in contour values and contour trends at border between two data sets caused by uncertainties in contouring at edges of data.

**GENERALIZED GEOLOGY AND AEROMAGNETIC FEATURES OF THE DOS CABEZAS MOUNTAINS, ARIZONA, AND SURROUNDING AREA**

