



- EXPLANATION**
- Area including isolated outcrops of altered and mineralized rock
  - Area containing common quartz-sericite-sulfide veins - Locally other alteration products occur. Considered favorable ground for exploration for copper
  - Areas containing common outcrops of pyritized and argillized volcanic rocks - Whether the argillic alteration is secondary owing to oxidation of sulfides or primary is uncertain
  - Outcrop of pyritized and argillized volcanic rock - Whether the argillic alteration is secondary owing to oxidation of sulfides or primary is uncertain
  - Visible copper minerals, both oxides (malachite, azurite, chrysocolla) and sulfides (chiefly chalcocite) - Occurrences include outcrops, prospect pits, opencuts, and mine dumps
  - Anomalous amounts of citrate-soluble copper in -80 mesh fraction of stream sediments
  - Anomalous amounts of copper in altered bedrock - Determined by atomic absorption analytical methods
  - Anomalous amounts of zinc in altered bedrock - Determined by semiquantitative spectrographic analyses
  - More than 0.5 ppm silver in altered bedrock - Determined by semiquantitative spectrographic analyses
  - More than 0.02 ppm gold in altered bedrock - Determined by atomic absorption analytical methods
  - Anomalous amounts of indicated elements in -80 mesh fraction of stream sediments - Determined by semiquantitative spectrographic analyses
  - Anomalous amounts of indicated elements in altered bedrock - Determined by semiquantitative spectrographic analyses
  - Anomalous amounts of citrate-soluble heavy metals in -80 mesh fraction of stream sediments
  - Approximate outline of an area favorable for copper prospecting beneath the Galiuro Volcanics
  - Boundary of Further Planning Area where it does not coincide with the boundary of the Coronado National Forest
  - Boundary of Galiuro Wilderness
  - Boundary of Coronado National Forest
  - Boundary of drainage basins used to group samples in table 4
  - Location of stream-sediment sample - Number refers to analyses listed in table 4 by drainage basin
  - Location of altered rock sample - Letter refers to analyses listed in table 4 by drainage basin

Base from U.S. Geological Survey Galiuro Mountains, 1938; Klondyke, 1938; Sierra Bonita Ranch, 1940; Winchester Mountains, 1957; Redington, 1957



Interior-Geological Survey Reston, Va.-1981-G19652

**GEOCHEMICAL ANOMALIES AND GEOCHEMICAL SAMPLE LOCALITIES IN THE GALIURO WILDERNESS AND CONTIGUOUS FURTHER PLANNING AREAS, PINAL AND GRAHAM COUNTIES, ARIZONA**