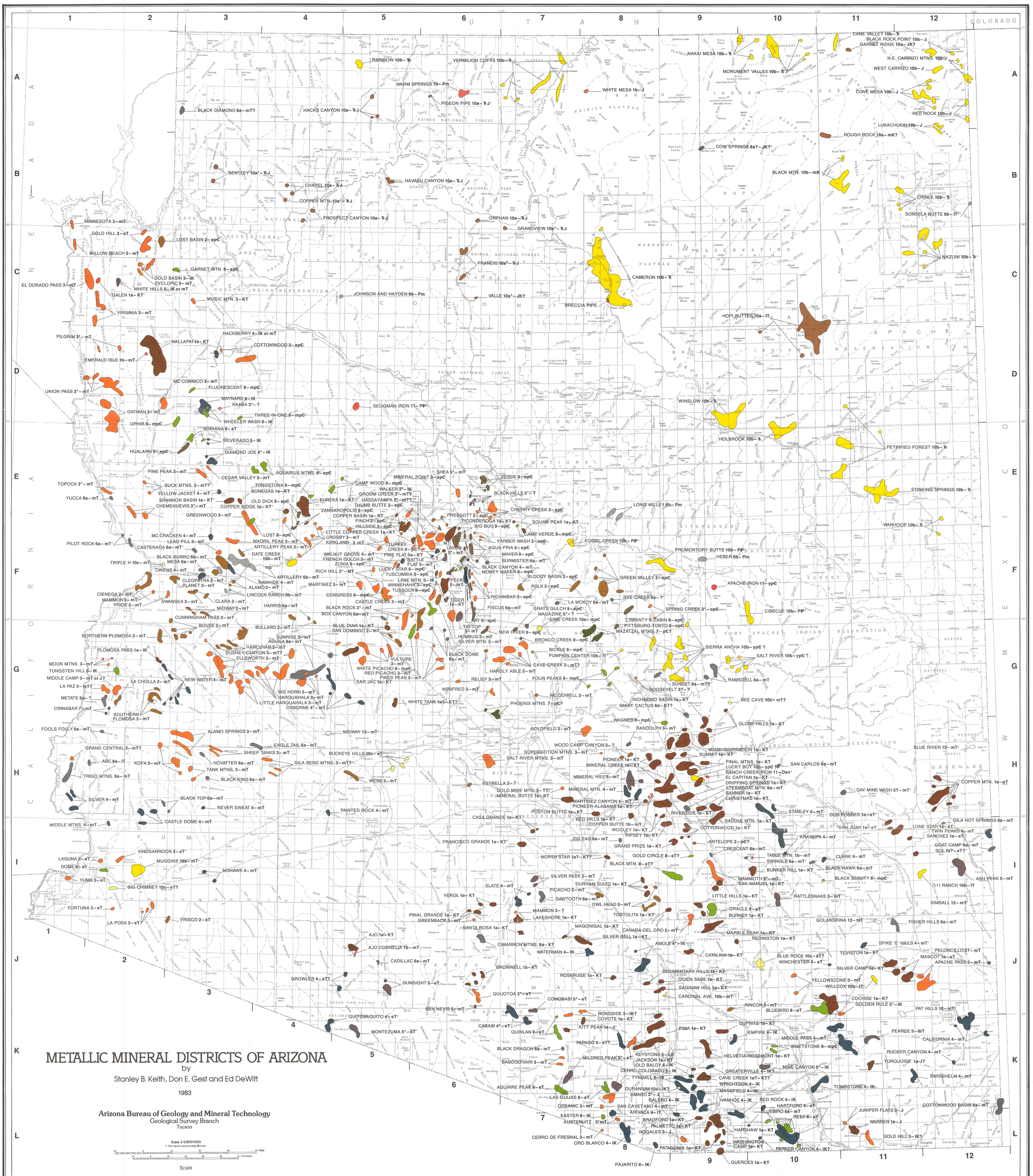

METALLIC MINERAL DISTRICTS OF ARIZONA

by

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Geological Survey Branch
Tucson

Scale 1:1 000 000
1 inch equals approximately 16 miles

Scale

EXPLANATION

1 Copper.
- **a)** Porphyry with or without Molybdenum, Manganese, Gold and peripheral Lead-Zinc-Silver.
- **b)** Stratabound in rock of age given.

2 Copper with or without Gold or Lead; veins.

3 Gold with or without Copper or Lead.
3* Significant Silver production.

} Distinction based on Copper/Copper and Gold ratios (see text).

4 Lead-Zinc-Silver veins and replacements.
4* Significant production of Copper and Gold.

5 Silver with or without Lead and Zinc; veins and replacements.
5* Significant Copper production.

} Distinction based on Silver/Silver and Lead and Zinc ratios (see text).

6 Manganese.
- **a)** Veins with or without Barium, Lead, Silver.
- **b)** Stratabound in rocks of age given.

7 Mercury deposits.

8 Tungsten; skarn and veins or pegmatites with or without Beryllium or Lithium.

9 Copper, Gold and Silver with or without Zinc.
Stratabound volcanogene massive sulfide.

10 Uranium with or without Vanadium.
- **a)** Breccia pipes and/or diatremes with or without Copper.
- **10a*** Breccia pipes with only Copper production.
- **b)** Stratabound in rocks of age given.
- **c)** Veins or fissures.

11 Iron, stratabound and contact metasomatic.

Taconite-like Iron formations, Maricopa and Yavapai Counties.

12 Unclassified (altered zones, no production).

MINERALIZATION AGES

IT	—Late Tertiary
mT	—Middle Tertiary
eT	—Early Tertiary
KT	—Late Cretaceous to early Tertiary
lK	—Late Cretaceous
mK	—Middle Cretaceous
J	—Jurassic
Ŧ	—Triassic
Pm	—Permian
PP	—Pennsylvanian-Permian
Dev	—Devonian
ypЄ	—Precambrian (1,250–1,000 m.y.)
mpЄ	—Precambrian (1,650–1,350 m.y.)
epЄ	—Precambrian (1,820–1,650 m.y.)

Districts on this map were defined according to geological criteria and classified by age and style of mineralization, as well as metallic minerals produced or present.
Although the districts include most of the known metallic occurrences, some are not shown. Also, placer deposits are not included.
The map is not intended to indicate mineral potential.
A district index with synonyms and production table by district are included in the accompanying Bulletin 194.

+ No reported production, through 1981.
† Deposits confined to a stratum, but may be formed by hydrothermal epigenetic processes after sedimentation.