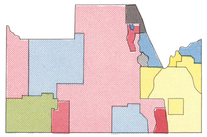
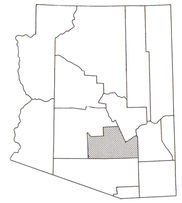
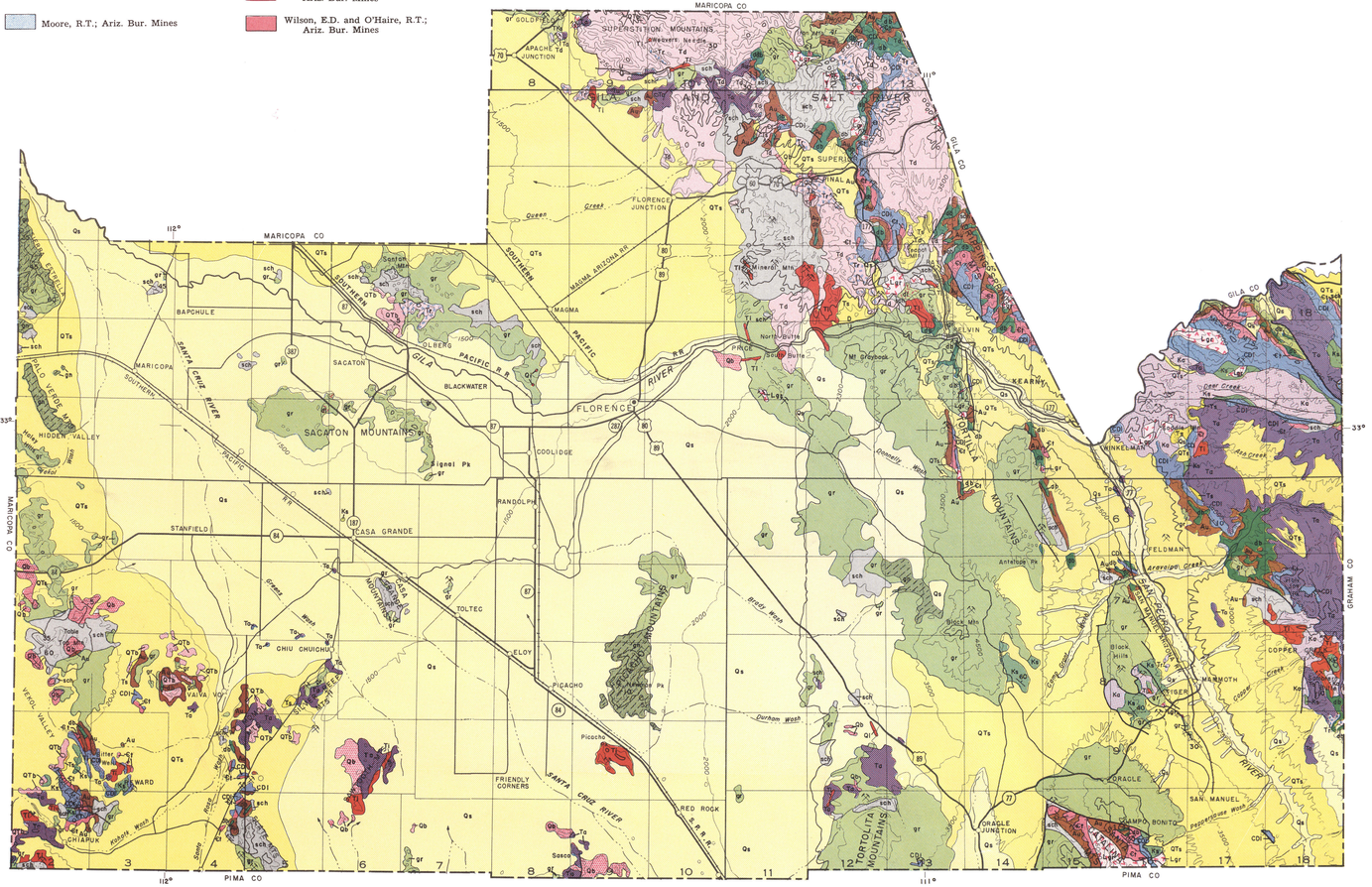
Map showing sources of geologic data.



- Creasey, S.C.; U.S. Geol. Survey
- Darton, N.H.; U.S. Geol. Survey
- Hargraves, R.B.; Newmont Expl. Ltd.
- Heindl, L.A.; U.S. Geol. Survey
- Heindl, L.A. and others; U.S. Geol. Survey
- Mayo, E.B. and others; Univ. of Ariz.
- Moore, R.T.; Ariz. Bur. Mines
- Peterson, N.P. and Peterson, D.W.; U.S. Geol. Survey
- Ransome, F.L.; U.S. Geol. Survey
- Ross, C.P.; U.S. Geol. Survey
- Short, M.N. and others; Univ. of Ariz.
- Wilson, E.D.; Ariz. Bur. Mines.
- Wilson, E.D. and Moore, R.T.; Ariz. Bur. Mines
- Wilson, E.D. and O'Haire, R.T.; Ariz. Bur. Mines

INDEX MAP OF ARIZONA
Showing Location of Pinal County.





GEOLOGIC MAP
OF
PINAL COUNTY, ARIZONA

PREPARED BY THE

ARIZONA BUREAU OF MINES
UNIVERSITY OF ARIZONA
TUCSON, ARIZONA

BY

Eldred D. Wilson and Richard T. Moore, Ariz. Bureau of Mines,
with additional data from maps by L. A. Heindl and S. C. Creasey,
U. S. Geol. Survey, and others.

Base materials furnished by U. S. Geol. Survey.

Scale $\frac{1}{375,000}$

10 0 10 20 30 Miles

10 0 10 20 30 Kilometers

Contour interval 500 feet
datum is mean sea level

1959

EXPLANATION

SYMBOLS

- Contact, showing dip
- Fault, showing dip
  Dashed where approximately located
  U, *upthrown side*; D, *downthrown side*
- Thrust fault
  (T, upper plate)
- Axis of anticline
- Axis of syncline
- Strike and dip of beds
- Strike of vertical beds
- Mine

SEDIMENTARY ROCKS

- Qs — **Gravel, sand, and silt**
- QTs — **Silt, sand, and gravel.**
- Ts — **Sand, gravel, and conglomerate.**
- TKs — **Sandstone, shale, and conglomerate**
  Includes some volcanic rocks.
- Ks — **Shale, quartzite, and limestone**
- CDl — **Carboniferous and Devonian limestone, shale, sandstone, and quartzite**
- €l — **Bolsa and Troy quartzites and Abrigo and related limestones.**
- Au — **Apache group**
  Mescal limestone, Dripping Spring quartzite.
  Barnes conglomerate, Pioneer shale, and Scanlan conglomerate. Locally includes some Cambrian Troy quartzite.

METAMORPHIC ROCKS

- sch — **Schist**
- **Granite gneiss**

IGNEOUS ROCKS

- Qb — **Basalt**
  Locally includes tuff and agglomerate.
- Ql — **Dikes and plugs**
  Mainly basaltic in composition.
- QTb — **Basalt**
  Locally includes tuff and agglomerate.
- Tl — **Dikes and plugs**
- **Rhyolite**
- Td — **Dacite**
- Ta — **Andesite**
- gr — **Granite and related crystalline intrusive rocks**
- Ka — **Andesite**
  Locally includes tuff and agglomerate.
- €b — **Diabase**
- gr — **Granite**
- gr — **Diorite porphyry**

QUATERNARY
TERTIARY
LARAMIDE
CRETACEOUS
CAMBRIAN CARBONIFEROUS AND DEVONIAN
YOUNGER PRECAMBRIAN TO TERTIARY
YOUNGER PRECAMBRIAN
OLDER PRECAMBRIAN