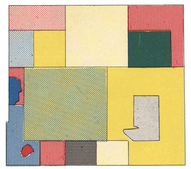
Map showing sources of geologic data.



- Cooper, J. R.; U. S. Geol. Survey
- Cooper, J. R. and others; U. S. Geol. Survey
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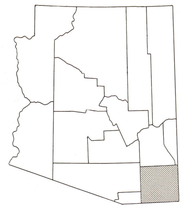
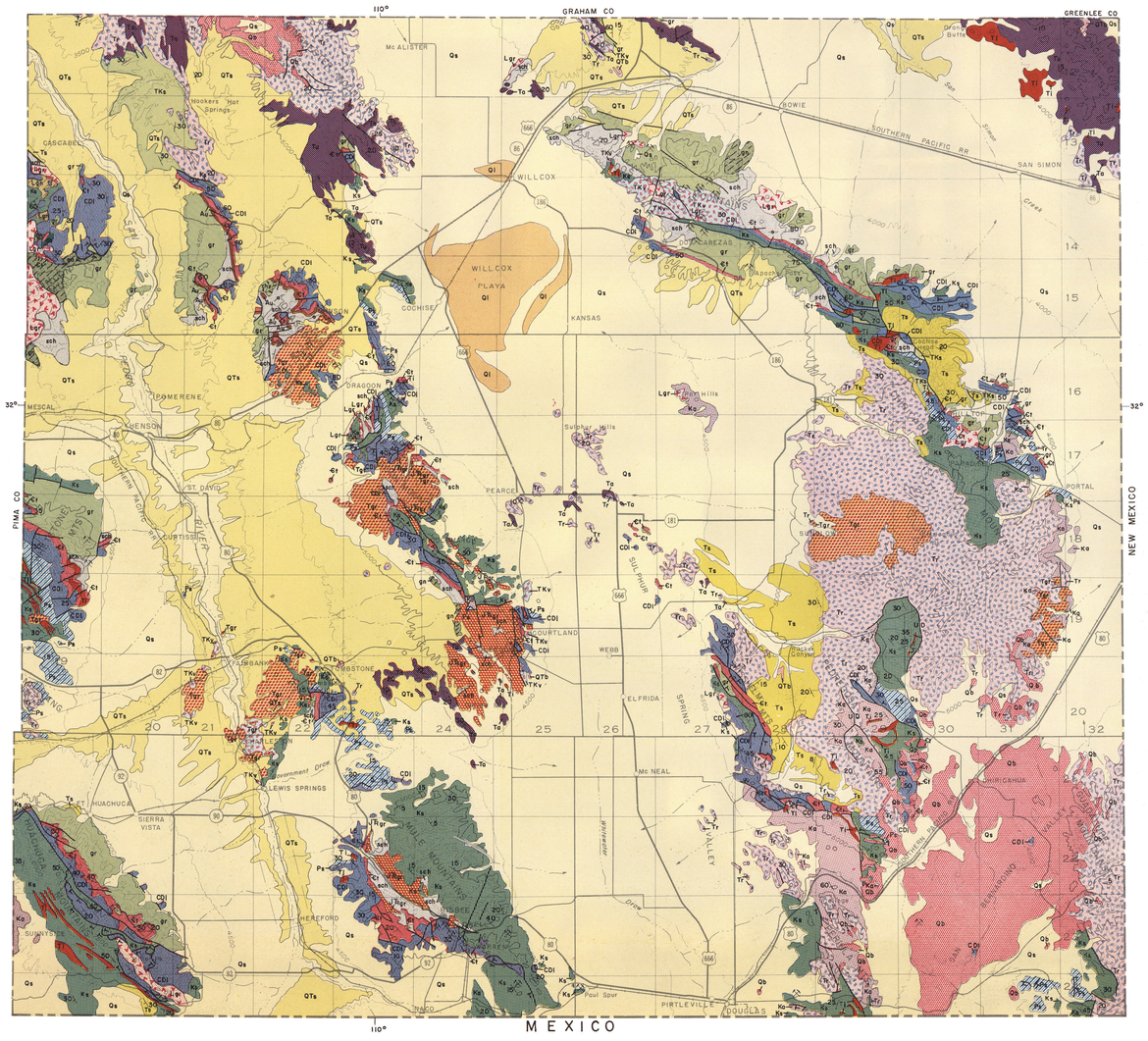
- Epis, R. C.; Univ. Calif., Berkeley (modified by Cooper, J. R.)
- Gilluly, J. and others; U. S. Geol. Survey
- Moore, R. T.; Ariz. Bur. Mines
- Ransome, F. L.; U. S. Geol. Survey
- Sabins, F. F.; Geol. Soc. America Bull.
- Tyrell, W. W.; Yale Univ.
- Weber, R. H.; Univ. of Ariz.
- Wilson, E. D.; Ariz. Bur. Mines
- Wilson, E. D.; Ariz. Bur. Mines and Heindl, L.A.; U.S. Geol. Survey

INDEX MAP OF ARIZONA
Showing Location of Cochise County.





GEOLOGIC MAP
OF
COCHISE COUNTY, ARIZONA

PREPARED BY THE

ARIZONA BUREAU OF MINES
UNIVERSITY OF ARIZONA
TUCSON, ARIZONA

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

SEDIMENTARY ROCKS

- Qs — **Gravel, sand, and silt**
- Ql — **Lake Deposits**
- QTs — **Silt, sand, and gravel.**
- Ts — **Sand, gravel, and conglomerate.**
- TKs — **Sandstone, shale, and conglomerate** *Includes some volcanic rocks.*
- Ks — **Shale, sandstone, and limestone** *Locally metamorphosed to phyllite and schist as in Rincon and Dragoon Mts.*
- Pe — **Permian limestone, sandstone, and shale.**
- CDl — **Carboniferous and Devonian limestone, shale, sandstone, and quartzite**
- Cr — **Bolsa and Troy quartzites and Abrigo and related limestones.** *Includes Ordovician limestone*
- Ap — **Apache group** *Mescal limestone, Dripping Spring quartzite, Barnes conglomerate, Pioneer shale, and Scanlon conglomerate. Locally includes some Cambrian Troy quartzite.*

METAMORPHIC ROCKS

- Lgr — **Gneiss** *Derived from igneous and sedimentary rocks ranging from Precambrian through Cretaceous in age.*
- sch — **Schist**
- gn — **Granite gneiss**

IGNEOUS ROCKS

- Qb — **Basalt** *Locally includes tuff and agglomerate.*
- QTb — **Basalt** *Locally includes tuff and agglomerate.*
- Ti — **Dikes and plugs**
- Te — **Andesite** *Includes tuff and agglomerate*
- Ry — **Rhyolite**
- Tg — **Granite and related crystalline intrusive rocks**
- TKv — **Volcanic flows and pyroclastic rocks, rhyolitic to andesitic in composition.** *Locally includes interfingering conglomerate, sandstone, and shale.*
- Lgr — **Granite and related crystalline intrusive rocks**
- Ka — **Andesite** *Locally includes tuff and agglomeratic.*
- Pg — **Granite and related crystalline intrusive rocks**
- db — **Diabase**
- gr — **Granite**
- Ry — **Rhyolite**

YOUNGER PRECAMBRIAN TO TERTIARY

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 and dip of overturned beds
- Strike of vertical beds
- Mine

OLDER PRECAMBRIAN	YOUNGER PRECAMBRIAN	
CAMBRIAN	CARBONIFEROUS AND DEVONIAN	
PERMIAN	THIASSIC AND JURASSIC	CRETACEOUS
TERTIARY		LARAMIDE
QUATERNARY		