



EXPLANATION

SEDIMENTARY ROCKS

QUATERNARY

- Alluvium: Valley fill, sand, gravel, and other fine material; grades into terrace deposits; locally overlain by recent alluvium.
- Landslide deposits: Coarse clastic debris, locally especially on the eastern slope of the Santa Fe Mountains.
- Recent alluvium: Sand, gravel and other fine material in terraces; locally overlain by recent alluvium.

TERTIARY

- Santa Fe Formation: Sand, gravel and other fine material in terraces; locally overlain by recent alluvium.
- Blanco Formation: Sand, gravel and other fine material in terraces; locally overlain by recent alluvium.
- Meade Formation: Sand, gravel and other fine material in terraces; locally overlain by recent alluvium.
- Mesa Verde Formation: Sand, gravel and other fine material in terraces; locally overlain by recent alluvium.
- Mason Shale: Black shale, light gray to buff sandstone and calcareous shale; contains thin beds of red sandstone and calcareous shale.
- Dakota Formation: Light gray to buff sandstone and black shale.
- Morrison Formation: Fragmented sandstone, calcareous sandstone, and other material; contains thin beds of red sandstone and calcareous shale.
- Todd Shale and Entrada Sandstone: Todd Shale, gray to buff sandstone; Entrada Sandstone, buff to red sandstone.
- Chico Formation: Sandstone with thin beds of calcareous shale; overlain by recent alluvium.
- Santa Rosa Formation: Light gray to buff sandstone and calcareous shale; overlain by recent alluvium.

JURASSIC

- Chico Formation: Sandstone with thin beds of calcareous shale; overlain by recent alluvium.
- Santa Rosa Formation: Light gray to buff sandstone and calcareous shale; overlain by recent alluvium.

CRETACEOUS

- Morrison Formation: Fragmented sandstone, calcareous sandstone, and other material; contains thin beds of red sandstone and calcareous shale.
- Dakota Formation: Light gray to buff sandstone and black shale.

MISSISSIPPIAN AND DEVONIAN

- St. Louis Formation: Sandstone, calcareous sandstone, and other material; contains thin beds of red sandstone and calcareous shale.
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PENNSYLVANIAN

- St. Louis Formation: Sandstone, calcareous sandstone, and other material; contains thin beds of red sandstone and calcareous shale.
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PERMIAN

- St. Louis Formation: Sandstone, calcareous sandstone, and other material; contains thin beds of red sandstone and calcareous shale.
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IGNEOUS AND METAMORPHIC ROCKS

- Laticite to basaltic rocks: Mostly dikes and sills.
- Migmatitic rocks: Mostly sills and small appophyses.
- Mica schist: Metamorphic schist, quartzite, and mica schist.
- Quartzite: White to black and brownish quartzite, some quartzite schist.
- Granite: Mostly granite, some quartzite, and pegmatite.
- Sandstone: Sandstone.
- Greenstone and chlorite schist: Metamorphic schist, chlorite schist, and amphibole schist.
- Precambrian rocks: Undifferentiated.

SYMBOLS

- Contact: dashed where approximate, dotted where concealed.
- Trace of axial surface of anticline, showing plunge.
- Trace of axial surface of syncline, showing plunge.
- High-angle fault (assumed to be normal or strike slip): dashed where uncertain; dotted where concealed; half-dashed on apparent downthrown side; arrows show inferred component of lateral slip.
- High-angle thrust fault: dashed where uncertain; dotted where concealed.
- Overthrust fault: dashed where uncertain; dotted where concealed.

Geologic symbols used for this map do not conform with the symbols used on the U.S. Geological Survey.