



Geologic map and cross sections of the Clifton-Morenci area, Greenlee County, Arizona

Cross sections E-E''', F-F'', G-G', and H-H''

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Arizona Geological Survey Digital Geologic Map 1

digital cartography by
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Geologic Map Units

RECENT

[S] Stockpiles, mill tailings, road embankments and other facilities

QUATERNARY

[Qa] Alluvium

QUATERNARY AND TERTIARY

[QTa] Older alluvial deposits

QUATERNARY AND TERTIARY GILA GROUP

[QTal] Unit of Smuggler Canyon (Gila Group)

[QTas] Unit of Smuggler Canyon, granite-clast facies (Gila Group)

[Tgpl] Unit of Buzzard Roost Canyon (Gila Group)

[Tgpc] Unit of Buzzard Roost Canyon, Chase Creek facies (Gila Group)

[Tgpl] Unit of Buzzard Roost Canyon, San Francisco facies (Gila Group)

[Tgmc] Conglomerate of Midnight Canyon (Gila Group)

TERTIARY UNITS OLDER THAN THE GILA GROUP

[Tca] Basaltic conglomerate

[Tcb] Conglomerate of Bonita Creek

[Tc] Enebro Mountain Formation

[Tet] Enebro Mountain Formation, nonwelded tuff

[Ter] Enebro Mountain Formation, lava

[Tet] Enebro Mountain Formation, intrusive

[Tb] Basaltic andesite, undivided

[Tbc] Bloodgood Canyon Tuff

PALEOCENE AND EOCENE INTRUSIVE ROCKS

[Tib] Intrusive breccia, undivided

[Tis] Porphyry, undivided

[Tis] Younger granite porphyry

[Tis] Older granite porphyry, undivided

[Tid] Diabase

[Tis] Monzonite porphyry

[Tid] Diorite porphyry

MESOZOIC

[Kp] Pinkard Formation

PALEOZOIC

[Pu] Paleozoic, undivided

[Ms] Modoc Formation

[Dm] Morenci Formation

[Cl] Longfellow Formation

[Cq] Coronado Quartzite

EARLY OR MIDDLE PROTEROZOIC

[Xyg] Granite

[Xyg] Grandiorite

EARLY PROTEROZOIC

[Xp] Pinal Schist

Geologic Map Symbols

--- Contact, dashed where location approximate or projected

--- High angle fault, dashed where location approximate or projected, dotted where concealed

--- Boundary between changes in stratigraphic nomenclature

--- Intraformational contact

Tbx Geologic unit label with text lead-in line

Dill hole profile with ID (not identified on cross section H-H'')

B-B' Location of intersecting cross section with label

