DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
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PRICE 1° x 2° QUAD., UTAH
SHEET 2 OF 2

EXPLANATION

Quaternary — CENOZOIC

Holocene

- Qltg — Terrace deposits: Gravel
- Qlts — Terrace deposits: Silt
- Qlc — Lacustrine deposits
- Qay — Younger alluvium (Locally includes coalesced alluvial fans)
- Qal — Alluvium
- Qao — Older alluvium (Locally includes coalesced alluvial fans)
- Qgo — Outwash
- Qgm — Moraines (T,II)
- Qgs — Mainly pediment deposits
- Qcf — Coalesced alluvial fans
- Qco — Mainly colluvium; locally includes dune sand
- Qmw — Mass-wasting deposits
- Qls — Landslide deposits
- Qe — Earthflow deposits
- Qas — Surficial deposits, undifferentiated

Pleistocene

Quaternary and Tertiary

- QTu — Quaternary and Tertiary deposits of uncertain age
- QTa — Axtell Formation[1]

Tertiary

IGNEOUS ROCKS

Intrusive — Extrusive

- Tip — Intrusive porphyritic rock
- Tb — Breccia of uncertain age

Eocene

- Taf, Tap, Tm — Taf: Andesite-trachyte-latite flows; Tap: Andesite-trachyte-latite pyroclastics; Tm: Moroni Formation[3]

Paleocene and Eocene

- Tch — Crazy Hollow[1] Formation
- Tvg — Goldens Ranch Formation[2]
- Tu — Uinta Formation
- Tgu — Green River Formation
- Tgu — Green River Formation
- Tc — Formation
- Tw — Wasatch Formation
- Tf — Flagstaff Limestone

Intertonguing Relationship

Paleocene

- TKnh — North Horn Formation
- Kt — Tuscher Formation

Cretaceous

Late Cretaceous

- Kpr, Kpr, Kc — Kpr: Price River Formation; Kc: Castlegate Sandstone (Locally both units grouped as Kpr)
- Kbh, Kbh, Ksp — Kbh: Black Hawk Formation; Ksp: Star Point Sandstone (Locally both units grouped as Kbh)
- K1 — Indianola Group
- Kmm — Masuk Shale Mbr.
- Ke — Emery Sandstone Mbr.
- Kmbg — Blue Gate Shale
- Kgc — Gatley Canyon Sandstone Mbr.
- Kfe — Ferron Sandstone Mbr.
- Kmt — Tununk Shale Mbr.
- Kms — Mancos Shale, undivided

Early Cretaceous

- Kd — Dakota Sandstone
- Kcm — Cedar Mountain Formation

Jurassic

Late Jurassic

- Jm — Morrison Formation
- Jm, Jmbb, Jmsw — Jm: Morrison Formation; Jmsw: Salt Wash Member; Jmbb: Brushy Basin Member

Middle Jurassic

- Jtg — Twist Gulch Member of Arapien Shale
- Ja — Arapien Shale (Part)
- Jsu — Summerville Formation
- Jcu — Curtis Formation
- Jsc — Summerville and Curtis Formations, undivided
- Je — Entrada Sandstone
- Jca — Carmel Formation
- Ju — Jurassic, undivided, chiefly San Rafael Group

Early Jurassic

- Jn — Nugget Sandstone*
- Jna — Navajo Sandstone*
- Jtk — Kayenta Formation*

Triassic

Late Triassic

- Ru — Wingate Sandstone
- Ra — Ankareh Formation*
- Rc, Rcu, Rcs — Rc: Chinle Formation; Rcu: Upper part; Rcs: Shinarump Member
- Rt — Thaynes Formation
- Rw — Woodside Shale
- Rm — Moenkopi Formation

Early Triassic

- Rka — Kaibab Limestone
- Rco — Coconino Sandstone

Permian — PALEOZOIC

Permian

- Ppc — Park City Formation
- Pdc — Diamond Creek Sandstone
- Pk — Kirkman Limestone
- Pfe — Oquirrh Formation

Pennsylvanian

- IPMmc — Manning Canyon Shale
- Mgb — Great Blue Limestone

Mississippian

- Mh — Humbug Formation
- Md — Deseret Limestone
- Mg — Gardison Limestone

Devonian

- Du — Devonian rocks, undivided

Cambrian

- €un — Cambrian rocks, undivided

PRECAMBRIAN

- p€bc — Big Cottonwood Formation
- p€f — Farmington Canyon Complex

CONTACT - Approximately located or inferred. Dotted where concealed.

FAULT - Dashed where approximately located or inferred. Dotted where concealed. Bar and ball rest on relatively downthrown block.

THRUST FAULT - Dashed where approximately located. Sawteeth on upper plate.

U.S. Geological Survey
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This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

[1] Spieker, E.M., 1949, The transition between the Colorado Plateaus and the Great Basin in central Utah: Utah Geological Society Guidebook no. 4, pgs. 36-38.

[2] Muessig, S., 1951, Eocene volcanism in central Utah: Science, v. 114, no. 2957, p. 234.

[3] Schoff, S.L., 1938, Geology of the Cedar Hills, Utah: Ohio State Univ., Dissertations Abstracts, no. 25, p. 375-386.

Utah: Ohio State Univ. Press, Dissertations

* Accepted ages: Nugget Ss, Triassic(?) and Jurassic(?); Navajo Ss, Triassic(?) and Jurassic; Kayenta Fm., Triassic(?). Ankareh Fm. is actually in part correlative with the upper part of the Moenkopi Fm.

PRELIMINARY GEOLOGIC MAP OF THE PRICE 1° x 2° QUADRANGLE, UTAH

Compiled by
Irving J. Witkind, David J. Lidke, and Lisa A. McBroome

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