

- Qs Surficial deposits
- Jn Navajo sandstone
- Jk Kayenta formation
- Tmos Moenave formation
- Tmos Springdale sandstone member, Tmos;
- Tmod Dinosaur Canyon sandstone member, Tmod
- Tcp Chinle formation
- Tcs Petrified Forest member, Tcs;
- Tcs Shinarump member, Tcs
- Tmu Upper red member, Tmu;
- Tms Shnabkaib member, Tms;
- Tmm Middle red member, Tmm;
- Tmv Virgin limestone member, Tmv;
- Tml Lower red member, Tml
- Pk Moenkopi formation
- Pk Kaibab limestone
- Pk May include Timpoweap member of the Moenkopi formation

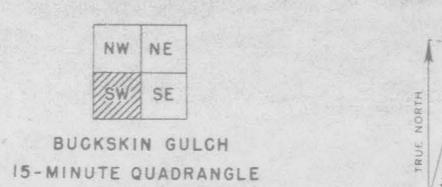
- Contact  
Can be located within 30 feet horizontally.
- Contact  
Can be located within 30 to 200 feet horizontally.
- Contact  
Cannot be located accurately; probable error greater than 200 feet horizontally.
- Resistant bed within a formation  
May be traceable only locally.
- Fault  
U, upthrown side; D, downthrown side.  
Dashed where approximately located;  
dotted where concealed;  
Questioned where probable.
- Linear feature uninterpretable on photograph  
May be geologically significant.
- Strike and dip of beds  
Computed by photogrammetric methods.
- Approximate strike and dip of beds  
Based on photointerpretation.
- Inferred strike and dip of beds  
Based on photointerpretation of areas where bedding is obscure.

- Sinkhole
- State boundary
- Primary road
- Secondary road
- Trail
- Fence
- Surveyed line

The Tenney Canyon tongue of the Kayenta formation could not be recognized on aerial photographs in this map area; therefore, the Navajo sandstone has been mapped as one unit.



Base map modified from U.S. Geological Survey preliminary topographic map, Buckskin Gulch SW quadrangle, Utah-Arizona.  
The aerial photographs used for photogeologic interpretation were taken in January 1953 and June 1948.  
Roads as classified in this map series are as follows:  
Primary roads are maintained and graded, traversable by two-wheel-drive vehicles; secondary roads are traversable possibly by two-wheel-drive vehicles; trails are not traversable by four-wheel-drive vehicles except locally. When other information is lacking, roads are classified by their appearance on aerial photographs.



PHOTOGEOLOGIC MAP  
OF THE  
BUCKSKIN GULCH SW QUADRANGLE  
KANE COUNTY, UTAH  
COCONINO COUNTY, ARIZONA  
By  
R. J. Hackman  
Scale 1:24,000  
December 1956

This preliminary report is distributed without editorial and technical review for conformity with official standards and nomenclature. It is not for public inspection or quotation.

Stratigraphic column for this area modified from Am. Assoc. Petroleum Geologists Bull., v. 39, p. 2515-2524, 1955; U. S. Geol. Survey Prof. Paper 220, 1950; and Geol. Soc. America Bull., v. 59, p. 211-248, 1948. Geographic and geologic field data from Geol. Soc. America Bull., v. 59, p. 211-248, 1948, and U. S. Geol. Survey prelim. topo. map, Buckskin Gulch SW quadrangle, Utah-Ariz.  
This map has been compiled mainly from photogeologic data and has not been checked in the field.

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BUCKSKIN GULCH NE1  
BUCKSKIN GULCH NW1  
BUCKSKIN GULCH SE1  
BUCKSKIN GULCH SW1  
TRIASSIC (?) JURASSIC(?) QUATERNARY  
TRIASSIC  
PERMIAN