

U.S. GEOLOGICAL SURVEY  
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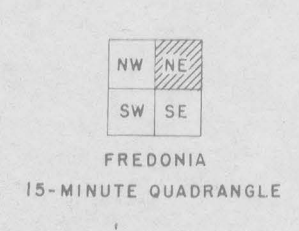
EXPLANATION

- Surficial deposits
- Chinle formation  
Petrified Forest member, Rcp;  
Shinarump member, Rcs
- Moenkopi formation  
Upper red member, Rmu;  
Shnabkaib member, Rms;  
Middle red member, Rmm;  
Virgin limestone member, Rml;  
Lower red member and  
Timpowsep conglomerate member,  
undifferentiated, Rmi
- 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.
- Probable contact
- Resistant bed  
within a formation  
May be traceable only locally.
- Fault  
U, upthrown side, D, downthrown side.  
Dashed where approximately located.  
Questioned where probable.  
Dotted where concealed.
- 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.
- Gravel pit or open cut
- Reservation boundary  
Approximate location.
- County boundary  
Approximate location.
- Primary road
- Secondary road
- Trail
- Fence

QUATERNARY  
TRIASSIC

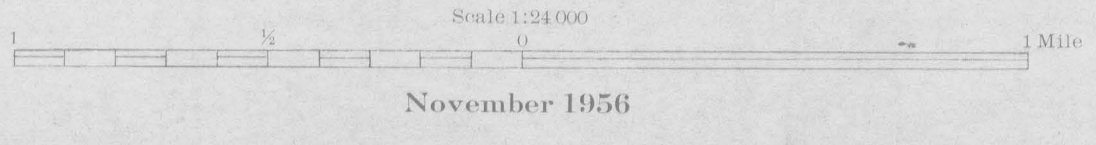
Base map compiled by U. S. Geological Survey from vertical aerial photographs. The aerial photographs used for photogeologic interpretation were taken in 1956.

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.



PHOTOLOGICAL MAP  
OF THE  
FREDONIA NE QUADRANGLE  
COCONINO AND MOHAVE COUNTIES, ARIZONA

By  
R. H. Morris  
Scale 1:24,000



November 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 U. S. Geol. Survey Prof. Paper 220, 1950. Geographic field data from U. S. Forest Service map, Kaibab National Forest, Ariz., 1949.

This map has been compiled mainly from photogeologic data and has not been checked in the field.