

EXPLANATION

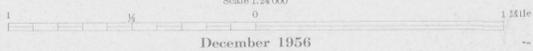
- Surficial deposits
- Navajo sandstone
- Kayenta formation, Jk;
Tenney Canyon (?) tongue, Jkt;
Lamb Point tongue of the Navajo sandstone, Jnl
- Moenave formation
Springdale sandstone member, Tmos;
Dinosaur Canyon sandstone member, Tmod
- Chinle formation
Petrified Forest member, Tcps;
Shinarump member, Tcs
- Moenkopi formation
Upper red member, Tmu;
Shnabkaab member, Tms;
Middle red member, Tmm
- 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
- Fault
U, upthrown side; D, downthrown side;
dotted where concealed.
Questioned where probable.
- Linear feature uninterpretable on photograph
May be geologically significant.
- Strike and dip of beds
Computed by photogrammetric methods.
- Inferred strike and dip of beds
Based on photointerpretation of areas where bedding is obscure.
- State boundary
- Primary road
- Secondary road
- Trail
- Fence
- Surveyed line



PHOTOGEOLOGIC MAP
OF THE
JOHNSON SE QUADRANGLE
KANE COUNTY, UTAH
COCONINO COUNTY, ARIZONA

By
J. S. Dettelman and 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, pp. 2515-2524, 1955; U. S. Geol. Survey Prof. Paper 226, 1951; and U. S. Geol. Survey Prof. Paper 220, 1950. Geographic and geologic field data from Prof. Paper 226, Prof. Paper 220, and U. S. Geol. Survey prelim. topo. map, Johnson SE quadrangle, Utah.

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

Base map modified from U. S. Geological Survey preliminary topographic map, Johnson SE quadrangle, Utah.

The aerial photographs used for photogeologic interpretation were taken in June 1955, August and September 1955, and November 1955.

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.



15-MINUTE QUADRANGLE

767mm (2009)
JUPASSIC QUATERNARY
JUPASSIC (T)
TRIASSIC

(JOHNSON NW)

(SHINARUMP NW)

(HOUSE ROCK SPRING NW)