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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

TRACE ELEMENTS MEMORANDUM REPORT 981



EXPLANATION

Qs
Surficial deposits

Jn
Navajo sandstone

Jk
Kayenta formation

Emo
Moenave formation
Springdale(?) sandstone member, Emos;
Dinosaur Canyon sandstone member, Emosd.

Tcp
Tcs
Chinle formation
Petrified Forest member, Tcsp;
Shinarump member, Tcs.

Emu
Emms
Em
Moenkopi formation
Upper red member, Emu;
Shuabkaib member, Emms;
Middle red member, Em;
Virgin limestone member, Emv;
Lower red member, Em.

Pk
Kaibab limestone
May include Timpoceap member of the Moenkopi formation.

Pt
Toroweap formation

Ph
Hermit shale

Contact
Dashed where approximately located; questioned where existence uncertain.

Conspicuous or 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.

Anticline showing crest line and direction of plunge
Dashed where approximately located.

Anticline Syncline
Minor fold showing direction of plunge

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.

Strike of approximately vertical joints
Based on photointerpretation.

Sinkhole

State boundary

Primary road

Secondary road

Trail

Surveyed line

PHOTOGEOLOGIC MAP
OF THE
BUCKSKIN GULCH SE QUADRANGLE
KANE COUNTY, UTAH AND
COCONINO COUNTY, ARIZONA

By
J. P. Minard

Scale 1:24,000



1957

Geologic and geographic data from Am. Assoc. Petroleum Geologists Bull., v.39, p.2515-2524, 1955; Geol. Soc. America Mem. 61, 1954; Carnegie Inst. Washington Pub. 492, 1938; U.S. Geol. Survey Prof. Paper 164, 1931; and U.S. Geol. Survey prelim. topo. map, Buckskin Gulch SE quadrangle, Utah and Arizona.

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

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.

Base map modified from U.S. Geological Survey preliminary topographic map, Buckskin Gulch SE quadrangle Utah. The aerial photographs used for photogeologic interpretation were taken in June 1953.

Roads are classified as follows: Primary roads are maintained and graded, traversable by two-wheel-drive vehicles; secondary roads are traversable by four-wheel-drive vehicles and locally by two-wheel-drive vehicles; trails are not traversable by vehicles, except locally. When other information is lacking, roads are classified by their appearance on aerial photographs.

