DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

TRACE ELEMENTS MEMORANDUM REPORT 1016

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PHOTOGEOLOGIC MAP OF BUCKSKIN GULCH NE QUADRANGLE KANE COUNTY, UTAH

By
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Scale 1:24 000

1 ½ 0 1 Mile

1957

EXPLANATION

Qs — Surficial deposits

Jn — Navajo sandstone

Jk — Kayenta formation

JURASSIC (?) QUATERNARY

TRIASSIC (?)

Tmos, Tmod — Moenave formation
Springdale sandstone member, Tmos; *Dinosaur Canyon sandstone member,* Tmod.

TRIASSIC

Upper Triassic

Tcp, Tcs — Chinle formation
Petrified Forest member, Tcp; *Shinarump member,* Tcs.

Lower and Middle(?) Triassic

Tmu, Tms, Tmm, Tmv, Tml — Moenkopi formation
Upper red member, Tmu; *Shnabkaib member,* Tms; *Middle red member,* Tmm; *Virgin limestone member,* Tmv; *Lower red member,* Tml.

PERMIAN

Pk — Kaibab limestone
May include Timpoweap member of the Moenkopi formation.

S — Slump blocks of Jurassic and Triassic rocks.

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.*

Anticline showing crest line and direction of plunge
Approximately located.

Linear feature uninterpretable on photograph
May be geologically significant.

Strike and dip of beds
Based on field measurement.

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.

Strike of approximately vertical joints
Based on photointerpretation.

Mine

Primary road

Secondary road

Trail

Base map modified from U.S. Geological Survey preliminary topographic map, Buckskin Gulch NE quadrangle, Utah.

The aerial photographs used for photogeologic interpretation were taken in June 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.

TRUE NORTH
15°
MAGNETIC NORTH

NW NE SW SE
BUCKSKIN GULCH 15-MINUTE QUADRANGLE

Geologic and geographic data from Am. Assoc. Petroleum Geologists Bull., v. 39, p. 2515-2524, 1955; U.S. Geol. Survey Prof. Paper 226, 1951; U.S. Geol. Survey Prof. Paper 220, 1950; and U.S. Geol. Survey prelim. topo. map, Buckskin Gulch NE quadrangle, Utah.

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

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