



DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

PHOTOGEOLOGIC MAP, VIRGIN NW
UTAH - WASHINGTON COUNTY
TRACE ELEMENTS MEMORANDUM REPORT 853



EXPLANATION

- SEDIMENTARY ROCKS**
- Os Surficial deposits
 - Tcp Petrified Forest member of the Chinle formation
 - Rs Shinarump conglomerate
 - Rmu Upper red member, Moenkopi formation
 - Rms Middle red member, Moenkopi formation
 - Rmm Lower red member, Moenkopi formation
 - Rml Lower red member and Timpoweap conglomerate member, undifferentiated
 - Pk Kaibab limestone
- IGNEOUS ROCKS**
- QTV Volcanic rocks

Upper Triassic

Lower and Middle Triassic

PERMIAN

QUATERNARY

- 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.
- 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.
- Horizontal beds
- Strike of approximately vertical joints
Based on photointerpretation
- Linear feature uninterpretable on photograph
May be geologically significant
- x Gravel pit
- Irrigation ditch
- Primary road
- Secondary road
- Trail
- Fence

Base map compiled by U. S. Geological Survey from vertical aerial photographs.

The aerial photographs used for photogeologic interpretation were taken in October 1962.

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.



PHOTOGEOLOGY BY C. H. MARSHALL
SCALE 1:24,000
APRIL 1965

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 Geol. Soc. America Mem. 61, 1954, and U.S. Geol. Survey Prof. Paper 200, 1950. Geographic and geologic field data from Utah Geol. and Mineralog. Survey Guidebook to Geology of Utah, No. 7, 1955, and Prof. Paper 200.

This map has been compiled mainly from photogeologic data but has not been checked in the field since it has not had the benefit of thorough evaluation with respect to maps compiled entirely from field data.

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