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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

PHOTOGEOLOGIC MAP, VIRGIN SW
UTAH-WASHINGTON COUNTIES
TRACE ELEMENTS MEMORANDUM REPORT #45



EXPLANATION

- SEDIMENTARY ROCKS**
- Surficial deposits
 - Shinarump conglomerate
 - Moenkopi formation
 - Upper red member, Rmu
 - Shinarump member, Rms
 - Middle red member, Rmm
 - Virgin limestone member, Rmv
 - Lower red member and Timpoweap conglomerate member, undifferentiated, Rml
- IGNEOUS ROCKS**
- Volcanic rocks
- CONTACTS**
- 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.
- FAULTS**
- Fault
Dashed where approximately located
U, upthrown side; D, downthrown side
Questioned where probable.
 - Concealed fault
- STRIKES AND DIPS**
- Strike and dip of beds
Computed by photogrammetric methods
 - Approximate strike and dip of beds
Based on photo-interpretation
 - Strike of approximately vertical joints
Based on photo-interpretation
- LINEAR FEATURES**
- Linear feature uninterpretable on photograph
May be geologically significant.
- OTHER FEATURES**
- Prospect pit or open cut
 - Slate boundary
 - Primary road
 - Secondary road
 - Trail
 - Fence

Map was compiled by U.S. Geological Survey from
aerial photographs used for photogeologic interpretation
were taken in October 1962.
Roads as shown on this map were as of 1962.
Primary roads are maintained and are traversable by
two-wheel-drive vehicles. Secondary roads are not
maintained by four-wheel-drive vehicles. Roads are not
traversable by four-wheel-drive vehicles except where
shown otherwise. A dashed road is classified
by the appearance on aerial photographs.



PHOTOGEOLOGY BY C. H. MARSHALL
SCALE 1:24,000
APRIL 1955

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 223, 1961 and Geol. Soc. America Mem.
61, 1954, geographic and geologic field data also from Prof.
Parker 1959.
This map has been compiled mainly from photogeologic
data but has not been checked in the field. Hence it has
not had the benefit of thorough evaluation with respect to
maps compiled entirely from field data.