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DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY

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

PHOTOGEOLOGIC MAP, WHITE CANYON - 4  
UTAH - GARFIELD AND SAN JUAN COUNTIES  
TRACE ELEMENTS MEMORANDUM REPORT 313



EXPLANATION

- Surficial deposits
- Entrada sandstone
- Carmel formation
- Navajo sandstone
- Kayenta formation
- Wingate sandstone
- Chinle formation
- Moss Back sandstone member, Jcm
- lower part, Jcl
- Shinarump member, Jcs
- Moenkopi formation
- Cutler formation
- White Rim sandstone member, Pcor
- Organ Rock tongue, Pcc, may include the Hoskinnini tongue; Cedar Mesa sandstone member, Pcc
- Slump blocks of Triassic and Jurassic 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; dotted where concealed; questioned where probable.
- 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.
- Linear feature uninterpretable on photograph  
May be geologically significant.

Map modified from U. S. Geological Survey preliminary topographic map, White Canyon 2 by 2 quadrangle, 1960.  
The aerial photographs used for photogeologic interpretation were taken in May and June 1966.  
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.

3	2	1	
6	7	8	
12	11	10	9
13	14	15	16

WHITE CANYON QUADRANGLE

PHOTOGEOLOGY BY P. P. ORKILD  
SCALE 1:24,000  
FEBRUARY 1966

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 unpublished field data of A. F. Trites, Jr. and others. Geographic field data from U. S. Geol. Survey prelim. top. map, White Canyon 2 NW quadrangle, Utah.  
This map has been compiled mainly from photogeologic data but has not been checked in the field.