

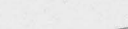

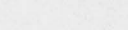










PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, WHITE CANYON-8
UTAH-SAN JUAN COUNTY
TRACE ELEMENTS MEMORANDUM REPORT 906

EXPLANATION

-
- Geological column diagram showing rock units and their stratigraphic relationships. The column is divided into four major sections: QUATERNARY, TRIASSIC, PERMIAN, and PENNSYLVANIAN PERMIAN(?). The units are: Surficial deposits (Qs), Chinle formation (Tcls, Tcl), Sandstone unit of lower part, Tcls; lower part, Tcl (Ts), Shinarump conglomerate (Tsm), Moenkopi formation (Pcor, Pcc), Cutler formation (Organ Rock tongue, Pcor; may include the Hoskinsinni tongue; Cedar Mesa sandstone member, Pcc), Rico formation (PPr), and Hermosa formations (Bp). A bracket on the left indicates 'Upper Triassic' for the top two sections and 'Lower and Middle(?) Triassic' for the bottom two sections.
- | Stratigraphic Unit | Symbol | Geological Period |
|---|---|--------------------------|
| Surficial deposits | Qs | QUATERNARY |
| Chinle formation | Tcls | TRIASSIC |
| Sandstone unit of lower part, Tcls; lower part, Tcl | Tcl | |
| | Ts | |
| Shinarump conglomerate | Tsm | PERMIAN |
| Moenkopi formation | Pcor | |
| | Pcc | |
| Cutler formation | Organ Rock tongue, Pcor; may include the Hoskinsinni tongue; Cedar Mesa sandstone member, Pcc | PENNSYLVANIAN PERMIAN(?) |
| Rico formation | PPr | |
| Hermosa formations | Bp | |
- Additional labels from the diagram:
- Upper Triassic (bracketed on the left, covering Chinle and Sandstone units)
 - Lower and Middle(?) Triassic (bracketed on the left, covering Shinarump and Moenkopi units)

- 
 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
 Dashed where approximately located.
 U, upthrown side; D, downthrown side.
- 
 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.
- 
 National forest
 boundary
- 
 Secondary road

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; exist locally. When other information is lacking, roads are classified by their appearance on aerial photographs.

4	3	2	1
5	6	7	8
12	11	10	9
13	14	15	16

WHITE CANYON
QUADRANGLE

PHOTOGEOLOGY BY P. P. ORKILD
SCALE 1:24,000
MAY 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.

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.

T. 34 S.

T. 35 S.

ELK RIDGE - 12