

EXPLANATION

- Alluvium, Qal; covering deposits, undifferentiated, Qc
- Navajo sandstone
- Kayenta formation
- Wingate sandstone
- Chinle formation
- Shinarump conglomerate
- Moenkopi formation
- Cutler formation
- Rico formation
- Bench-forming limestone (?) at top, PPr1
- Hermosa formation

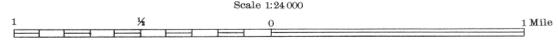
- Contact
Can be located within 30 feet horizontally.
- Contact
Can be located within 30 to 200 feet horizontally.
- Contact
Cannot be located accurately; probable error greater than 200 feet horizontally.
- Probable contact
- Conspicuous resistant bed within a formation
May be traceable only locally.
- Fault
Dashed where approximately located. Questioned where probable.
U, upthrown side, D, downthrown side.
- Anticline
Showing crest line and direction of plunge.
- 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.
- Linear feature uninterpretable on photograph
May be geologically significant.
- Abandoned oil well
- County boundary
- Primary road
- Secondary road

Note: The Cutler formation in this map area is believed to consist mostly of the Organ Rock tongue. A small amount of the Cedar Mesa sandstone member is interbedded with it in the lower part of the section.

4	3	1
5	6	8
12	11	10
13	14	15

CARLISLE QUADRANGLE

PHOTOGEOLOGIC MAP
OF THE
CARLISLE-2 QUADRANGLE
SAN JUAN COUNTY, UTAH
By
J. S. Dettlerman
Scale 1:24,000



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.

Stratigraphic column modified from U. S. Geol. Survey Bull. 843, 1933. Geographic and geologic field data from Utah Annotated Code, 1953; U. S. Geol. Survey Bull. 908, 1940; and Bull. 841. 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.

Base map modified from U. S. Soil Conservation Service map, Utah, 266. The aerial photographs used for photogeologic interpretation were taken in September and November, 1952.