

Alluvium, Qal, covering
deposits, undifferentiated, Qc

Navajo sandstone

Kayenta formation

Wingate sandstone

Chinle formation

Shinarump conglomerate

Moenkopi formation

Cutler formation

Upper

Lower

PERMIAN

TRIASSIC

JURASSIC (?)

QUATERNARY

In the southwestern part of the mapped
area the upper dark rocks of the Organ
Rock tongue are indicated by Pcor, and
the lower white beds of the Cedar Mesa
sandstone member are indicated by Pcc

Rico formation

Limestone benchmarker at top, Prl

Contact

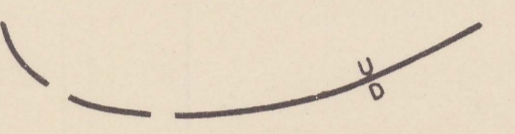
Can be accurately located
within 30 feet horizontally

Contact

Can be approximately located
within 30 to 200 feet horizontally

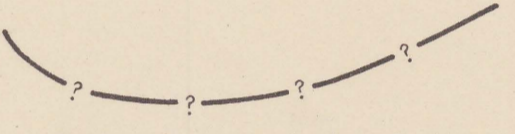
Contact

Cannot be located accurately;
probable error greater than 200 feet

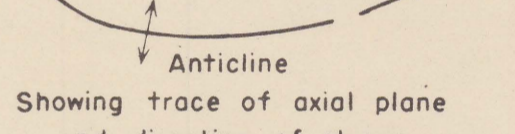


Fault,

U, upthrown side; D, downthrown side.
Dashed where approximately located



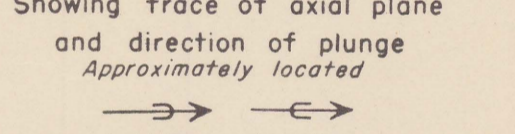
Probable or doubtful fault



Anticline

Showing trace of axial plane
and direction of plunge

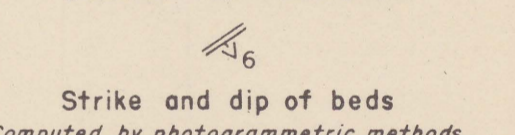
Dashed where approximately located



Syncline

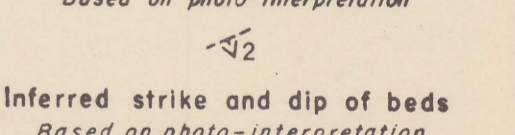
Showing trace of axial plane
and direction of plunge

Approximately located



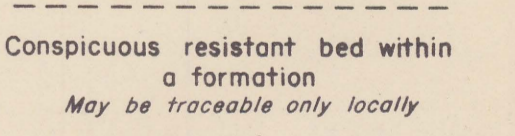
Anticline Syncline

Minor fold showing plunge



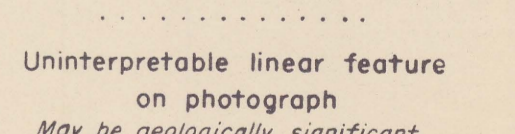
Strike and dip of beds

Based on field measurement



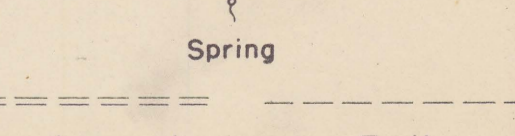
Strike and dip of beds

Computed by photogrammetric methods



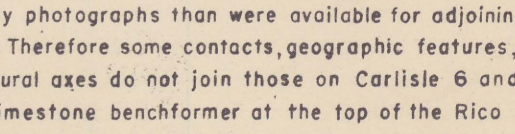
Approximate strike and dip of beds

Based on photo-interpretation

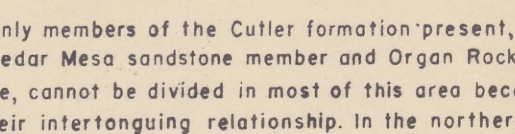


Inferred strike and dip of beds

Based on photo-interpretation
of areas where bedding is obscure

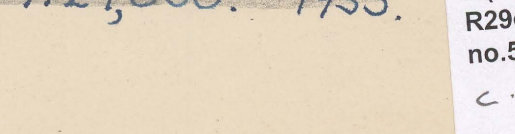


Horizontal beds



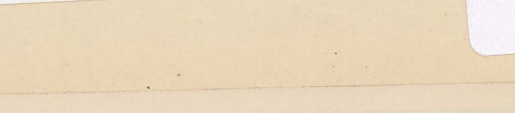
Conspicuous resistant bed within
a formation

May be traceable only locally



Strike of approximately vertical joints

Based on photo-interpretation



Uninterpretable linear feature
on photograph

May be geologically significant

Dry hole

Spring

Secondary road

Trail

Note: The information on this map represents a
photogeologic interpretation of newer (1952) and better
quality photographs than were available for adjoining
maps. Therefore some contacts, geographic features, and
structural axes do not join those on Carlisle 6 and 8.
The limestone benchmarker at the top of the Rico
formation is the so-called Shafer limestone. This was
included in the Cutler formation on Carlisle 6.
The only members of the Cutler formation present,
the Cedar Mesa sandstone member and Organ Rock
tongue, cannot be divided in most of this area because
of their intertonguing relationship. In the northern
part of the area, however, the section appears to
consist principally of facies of the Organ Rock tongue.



PLANIMETRIC BASE MAP COMPILED
BY SOIL CONSERVATION SERVICE.

This map is preliminary and has not been
edited or reviewed for conformity with
U. S. Geological Survey standards and
nomenclature.

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

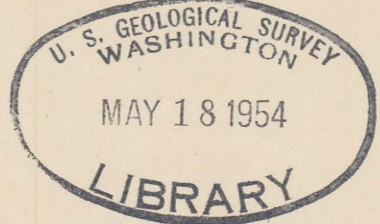
CARLISLE
QUADRANGLE

PHOTOGEOLOGY BY V. M. HOSLEY
SCALE 1:24,000
DECEMBER 1953

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. 841,
1933. Geographic and geologic field data from U. S. Geol. Survey
Bull. 908 (1940) and Bull. 841, and Utah Geol. and Mineralog.
Survey Symposium Volume, Oil and Gas Possibilities of Utah,
pt. V, 1931.

Maps of this series have been compiled mainly from photo-
geologic data but have not been checked in the field, hence
they have not had the benefit of thorough evaluation with
respect to maps compiled entirely from field data.



Utah (Carlisle 7 quad.). Geol. 1:24,000. 1953.
cop. 1.



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