

EXPLANATION

- Qal, Qc  
Valley fill and alluvium, Qal;  
covering deposits, undifferentiated, Qc
- Pcc  
Cedar Mesa sandstone member  
of Cutler formation
- PIPr  
Rico formation
- IPh  
IPhp  
Hermosa formation, IPh;  
Paradox member, IPhp

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

Probable or doubtful fault

Approximate strike and dip of beds  
Based on photo-interpretation

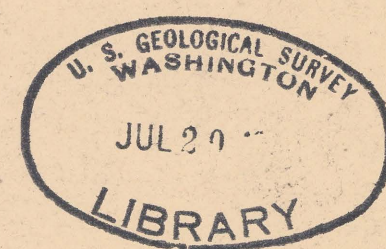
Strike of approximately vertical  
joints  
Based on photo-interpretation

Uninterpretable linear feature  
on photograph  
May be geologically significant

County boundary  
Approximate location

Secondary road

Trail

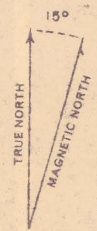


Base map compiled from vertical aerial photographs  
by Special Maps Branch, U.S. Geological Survey.  
Planimetry and geology transferred by stereo-  
plotting methods.

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 J. N. PLATT

SCALE 1:24,000

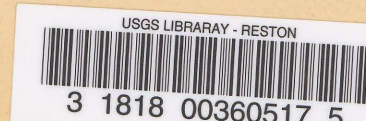
APRIL 1954

Roads as classified in this map series are as follows:  
Primary roads are maintained and graded, traversable by  
two-wheeled vehicles; secondary roads are traversable  
possibly by four-wheeled drive vehicles; trails are not  
traversable by four-wheeled drive vehicles except locally.  
When other information is lacking, roads are classified  
by their appearance on aerial photographs.

Stratigraphic column for this area modified from U.S. Geol.  
Survey Bull. 951:146. Geographic and geologic field data  
also from U.S. Geol. Survey Bull. 951:146.

Map 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 13 quad). Geol. 1:24,000. 1954P.  
sep. 1.



M(200)  
R29a  
no. 54-243  
C-1