

EXPLANATION

- Alluvium, Qal; covering deposits, undifferentiated, Qc
- Straight Cliffs sandstone
- Tropic shale
- Dakota sandstone
- Morrison formation
Brushy Basin shale member, Jmbb;
Salt Wash sandstone member, Jms
Upper unit, Jmsu;
lower unit, Jmsl
- Bluff(?) sandstone
- Summerville formation
- Entrada sandstone
- Carmel formation
Upper unit, Jcup;
middle unit, Jcm;
lower unit, Jcl
- Navajo sandstone

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.

Resistant bed
within a formation
May be traceable only locally.

Probable fault

Anticline
Showing crest line
and direction of plunge

Approximate strike and dip of beds
Based on photointerpretation.

Strike of approximately vertical joints
Based on photointerpretation.

Linear feature uninterpretable on photograph
May be geologically significant.

County boundary
Approximate location.

Secondary road

Trail

In this map area three units of the Carmel formation are recognizable on aerial photographs; the middle, white, slope-forming unit separates two darker, slightly more resistant units.
On aerial photographs the lower unit of the Salt Wash member of the Morrison formation appears similar to the Summerville formation.

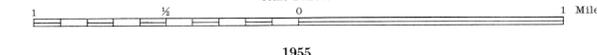
Base map compiled by U.S. Geological Survey from vertical aerial photographs.
The aerial photographs used for photogeologic interpretation were taken in June 1948.

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

CIRCLE CLIFFS QUADRANGLE



PHOTOGEOLOGIC MAP
OF THE
CIRCLE CLIFFS-13 QUADRANGLE
GARFIELD AND KANE COUNTIES, UTAH
By
B. H. Kent
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 for this area modified from U.S. Geol. Survey Prof. Paper 164, 1931; geographic and geologic data also from Prof. Paper 164.
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.