



EXPLANATION

- Alluvium
 - Carmel formation
Lower unit, Jcl
 - Navajo sandstone
 - Kayenta formation
 - Wingate sandstone
- JURASSIC QUATERNARY
JURASSIC (?)
- 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)
- Probable contact
- Fault
(U, upthrown side, D, downthrown side. Approximately located; questioned where inferred)
- 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)
- Strike and dip of beds
(Based on photo-interpretation)
- Inferred strike and dip of beds
(Based on photo-interpretation)
- Dip component
- Strike of approximately vertical joints
(Based on photo-interpretation)
- Primary road
- Secondary road
- Trail
- Fence

Note: West and south of this map area three units of the Carmel formation, not divided in the field, are recognizable on aerial photographs: the middle, white (gypsum?), slope-forming unit separates two darker, slightly more resistant units. Only the lower unit of the Carmel formation is present in the southern part of the map area. In the northern part of the quadrangle the Carmel formation cannot be divided.

PLANIMETRIC BASE MAP COMPILED BY U. S. GEOLOGICAL SURVEY FROM VERTICAL AERIAL PHOTOGRAPHS.

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

CIRCLE CLIFFS QUADRANGLE

PHOTOGEOLOGIC MAP
CIRCLE CLIFFS-5
GARFIELD COUNTY, UTAH
PHOTOGEOLOGY BY J. M. SCOTT
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000
APRIL 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 Prof. Paper 164, 1931; and Am. Assoc. Petroleum Geologists Bull., vol. 6, no. 3, May-June, 1922.

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

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