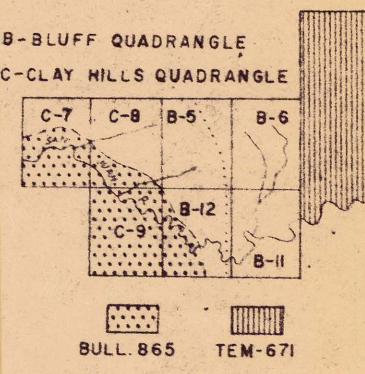


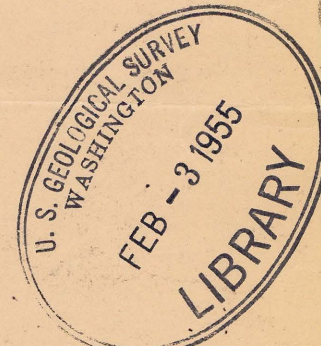


EXPLANATION

- Qal, Qc
Alluvium, Qal; covering deposits, undifferentiated, Qc
- Pcc
Cutler formation
Cedar Mesa sandstone member, Pcc;
Halgaio tongue, Pcha
- PPri
Rico formation (lower unit)
- IPh
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
- Anticline
Showing crest line and direction of plunge
Approximately located
- Strike and dip of beds
Based on field measurement
- 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
- Strike of approximately vertical joints
Based on photo-interpretation
- Linear feature uninterpretable on photograph
May be geologically significant
- Reservation boundary
- Secondary road
- Trail



The contact between the Cutler and Rico formations is mapped stratigraphically lower west of the dotted line (U. S. Geol. Survey Bull. 865, 1936) than it is east of the dotted line (U. S. Geol. Survey Trace Elements Memo Rept. 671, 1954). The stratigraphic interval between these "contacts" has been mapped as the upper part of the Rico formation east of the dotted line and has been included in the Halgaio tongue of the Cutler formation west of the dotted line.



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

4	3	2
5	6	7
12	11	10
13	14	15

CLAY HILLS QUADRANGLE

PHOTOGEOLOGY BY C. H. MARSHALL
SCALE 1:24,000
JULY 1954

Roads as classified in this map series are as follows:
Primary roads are maintained and gravel, 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, Paper 188, 1938, and U. S. Geol. Survey Bull. 865, 1936; geologic and geologic field data from Paper 188, Bull. 865, and U. S. Geol. Survey Water-Supply Paper 538-1924.

Maps of this series have been compiled mainly from photogeologic 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 (Clay Hills 8 quad). Geol. 1:24,000. 1954.
cop. 1.



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