

DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

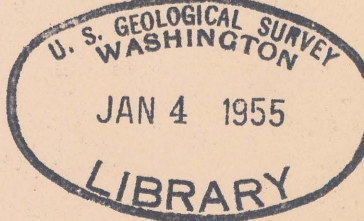
PHOTOGEOLOGIC MAP, TIDWELL -7
UTAH - EMERY AND GRAND COUNTIES
TRACE ELEMENTS MEMORANDUM REPORT 815



EXPLANATION

- Qal Qt Qc
Alluvium, Qal; probable terrace deposits, Qt; covering deposits, undifferentiated, Qc
- Kbu
Kbl
Probable equivalent of Burro Canyon formation
Upper unit, Kbu; lower unit, Kbl
- Jmbb
Jms
Morrison formation
Brushy Basin shale member, Jmbb; Salt Wash sandstone member, Jms
- Js
Summerville formation
- Jcu
Curtis formation
- Je
Entrada sandstone
- Jc
Carmel 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
- Probable contact
- Resistant bed within a formation
May be traceable only locally
- Fault
Dashed where approximately located
U, upthrown side; D, downthrown side
- 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
- Linear feature uninterpretable on photograph
May be geologically significant
- Spring
- Irrigation ditch
- County boundary
- Primary road
- Secondary road
- Trail
- Fence

Note: The lower unit of the probable equivalent of the Burro Canyon formation is believed to be the Buckhorn conglomerate of Stokes, and the upper unit, the Cedar Mountain shale of Stokes (Geol. Soc. America Bull., vol. 55, 1944).



Base map compiled by U.S. Geological Survey from vertical aerial photographs.
The aerial photographs used for photogeologic interpretation were taken in July and August 1952.

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

TIDWELL
QUADRANGLE



PHOTOGEOLOGY BY V. H. SABLE
SCALE 1:24,000
JUNE 1954

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 columns for this area modified from unpublished section by L. C. Craig, U.S. Geol. Survey Bull. 861, 1946, and U.S. Geol. Survey Bull. 925, 1949, geologic and geologic field data also from Bull. 861 and 925.
Most 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 (Tidwell 7 quad). Geol. 1:24,000. 1954.
cap 1



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