



EXPLANATION

SEDIMENTARY ROCKS

Qal, Qcb, Qc
Alluvium, Qal; covering deposits, boulders, Qcb; covering deposits, undifferentiated, Qc

Kmf
Kmt
Mancos shale
Ferron sandstone member, Kmf;
Tununk shale member, Kmt

Kd
Dakota sandstone

KJbm
Probable equivalent of the Burro Canyon formation and Morrison formation, undifferentiated; Brushy Basin and Salt Wash members included.

Js
Summerville formation

Jcu
Curtis formation

Je
Entrada formation

Jc
Carmel formation

IGNEOUS ROCKS

Ti
Diabase dike

Tis
Composite diabase and syenite sill

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

Probable anticline

Syncline
Showing trough line and direction of plunge
Dashed where 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

Secondary road

U. S. GEOLOGICAL SURVEY
WASHINGTON
JAN 4 1955
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Base map compiled by U.S. Geological Survey from vertical aerial photographs.
The aerial photographs used for photogeologic interpretation were taken in July, August, and October, 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

EMERY QUADRANGLE

PHOTOGEOLOGY BY H. S. BENNETT
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 column for this area modified from U.S. Geol. Survey Bull. 98-C, 1929. Geographic and geologic field data from U.S. Geol. Survey Prof. Paper 278 and Bull. 875, 1954.

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 (Emery 10 quad.) Geol. 1:24,000
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