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T.G.M.
Ms. 1079

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

TRACE ELEMENTS MEMORANDUM REPORT 1079



EXPLANATION

- Qs
Surficial deposits
- Kme
Kmb
Kmf
Kmt
Mancos shale
Emery sandstone member, Kme; Blue Gate shale member, Kmb; Ferron sandstone member, Kmf; Tauxank shale member, Kmt.
- Kd
Dakota sandstone
- Jmb
Jms
Morrison formation
Brushy Basin shale member, Jmb; Salt Wash sandstone member, Jms
- Js
Summerville formation
- Jcu
Curtis formation
- Je
Entrada sandstone
- Jc
Carmel formation
- Jn
Navajo sandstone

Upper Cretaceous
Lower(?) and Upper Cretaceous
Upper Jurassic
Middle and Upper Jurassic

QUATERNARY
CRETACEOUS
JURASSIC
JURASSIC AND JURASSIC(?)

Contact
Dashed where approximately located.

Conspicuous or resistant bed within a formation
May be traceable only locally.

Fault
U, upthrown side; D, downthrown side. Dashed where approximately located; queried where probable, Dotted where concealed.

Anticline showing crest line and direction of plunge
Approximately located.

Syncline showing trough line and direction of plunge
Approximately located.

Linear feature uninterpretable on photograph
May be geologically significant.

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 photointerpretation.

Inferred strike and dip of beds
Based on photointerpretation of areas where bedding is obscure.

Horizontal beds

Strike of approximately vertical joints
Based on photointerpretation.

Mine

County boundary

Secondary road

Trail

PHOTOGEOLOGIC MAP
OF THE
MOUNT ELLEN-4 QUADRANGLE
WAYNE COUNTY, UTAH

By
W. R. Hemphill

Scale 1:24,000
1 1/2 0 1 Mile

April 1958

3	2	1
5	6	7
12	11	10
13	14	15

MOUNT ELLEN
QUADRANGLE

Geologic and geographic data from U.S. Geol. Survey Prof. Paper 228, 1953; and U.S. Geol. Survey Bull. 806-C, 1929. This map has been compiled mainly from photogeologic data and has not been checked in the field.

This preliminary report is distributed without editorial and technical review for conformity with official standards and nomenclature. It is not for public inspection or quotation.

Base map modified from U.S. Geological Survey preliminary topographic map, Mt. Ellen 2 NW quadrangle, Utah. The aerial photographs used for photogeologic interpretation were taken in May 1948.

Roads are classified as follows: Primary roads are maintained and graded, traversable by two-wheel-drive vehicles; secondary roads are traversable by four-wheel-drive vehicles and locally by two-wheel-drive vehicles; trails are not traversable by vehicles, except locally. When other information is lacking, roads are classified by their appearance on aerial photographs.

