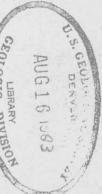


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DEPARTMENT OF THE INTERIOR  
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE  
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, ELK RIDGE-16  
UTAH - SAN JUAN COUNTY

TRACE ELEMENTS MEMORANDUM REPORT 377-A



EXPLANATION

- Alluvium
- Undifferentiated sand, residual mantle, and slope wash
- Dakota sandstone and the Burro Canyon formation, undifferentiated. May include part of Mancos shale
- Morrison formation  
Brushy Basin shale member, Jmb; Westwater Canyon sandstone member, Jmw; Recapture shale and Salt Wash sandstone members, undifferentiated, Jmrs; Westwater Canyon sandstone, Recapture shale, and Salt Wash sandstone members, undifferentiated, Jml
- Bluff sandstone
- Summerville formation
- Entrada sandstone
- 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
- Conspicuous bed within a formation  
May be traceable only locally
- Strike and dip of beds  
Computed by photogrammetric methods
- Approximate strike and dip of beds  
Based on photo-interpretation
- Horizontal beds
- Secondary road
- Trail

QUATERNARY  
CRETACEOUS  
UPPER JURASSIC  
JURASSIC

Base map modified from Soil Conservation Service map, Utah-326. The aerial photographs used for photogeologic interpretation were taken in September 1952 and June 1950.

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

ELK RIDGE QUADRANGLE

PHOTOGEOLOGY BY C. F. MILLER  
SCALE 1:24,000  
REVISED SEPTEMBER 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, Trace Elements, Vol. 1, Rept. 180, 1952; U. S. Geol. Survey, Bull. Paper 188, 1938; and unpublished reports by U. S. Geol. Survey. Geographic and geologic field data from Prof. Fred J. and G. S. Geol. Survey photogrammetric map, Elk Ridge quadrangle, Utah, 1949. This map has been compiled mainly from photogeologic data but has not been checked in the field, hence it has not had the benefit of thorough evaluation with respect to maps compiled entirely from field data.