



EXPLANATION

SEDIMENTARY ROCKS

- Upper and Lower Cretaceous**
  - Km Mancos shale
  - Kdb Dakota sandstone and Burro Canyon formation, undifferentiated
- Upper Jurassic**
  - Jm Morrison formation
  - Jmb Brushy Basin shale member; Jms Salt Wash sandstone member (may include equivalents of Westwater Canyon sandstone and Recapture shale members)
- Upper and Middle Jurassic**
  - Js Summerville formation
  - Je Entrada sandstone
  - Jc Carmel formation
  - Jn Navajo sandstone
- Upper Triassic**
  - Jk Kayenta formation
  - Jw Wingate sandstone
- Middle and Lower Triassic**
  - Jcu Chinle formation
  - Jcls Upper part, lower part, Recapture unit of lower part
  - Jm Moenkopi formation

IGNEOUS ROCKS

- Ti Intrusive rock

- 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
- Fault  
Dashed where approximately located; U, upthrown side; D, downthrown side; Questioned where probable.
- Anticline  
Showing crest 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 photointerpretation.
- Inferred strike and dip of beds  
Based on photointerpretation of areas where bedding is obscure.
- Strike of approximately vertical joints  
Based on photointerpretation.
- Linear feature uninterpretable on photograph  
May be geologically significant.
- Prospect pit or open cut
- Secondary road
- Trail

T. 35 S.

R. 22 E. 109° 30' 00"

Base map modified from Soil Conservation Service map, Utah-306. The aerial photographs used in this photogeologic interpretation were taken in June 1950 and May 1953.

The topography of the area included in this map is shown on the Elk Ridge quadrangle (scale 1:125,000).

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

PHOTOGEOLOGIC BY C. F. MILLER  
SCALE 1:24,000  
REVISED JANUARY 1955

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 Prof. Paper 188, 1958; and personal communication, U. S. Geol. Survey Prof. Paper 188 and U. S. Geol. Survey topographic map, Elk Ridge quadrangle, Utah, 1940. 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.

no 407A