

EXPLANATION

QUATERNARY

- Qal, Qc: Alluvium, Qal; covering deposits, undifferentiated, Qc

UPPER JURASSIC

- Jmi: Recapture and Salt Wash members, undifferentiated of the Morrison formation
- Jb: Bluff sandstone
- Js: Summerville formation

MIDDLE AND LOWER JURASSIC

- Je: Entrada sandstone
- Jc: Carmel formation
- Jn: Navajo sandstone
- Jk: Kayenta formation

UPPER TRIASSIC

- Tw: Wingate sandstone
- Tcu, Tcs, Tcl: Chinle formation

MIDDLE AND LOWER TRIASSIC

- Ts: Shinarump conglomerate
- Tm: Moenkopi formation
- Pcor, Pcc: Cutler formation, Organ Rock tongue, Pcor; Cedar Mesa sandstone member, Pcc

PERMIAN AND PENNSYLVANIAN

- Pp: Rico formation (May include the Halgaito tongue of the Cutler formation)

Contact

- Can be located within 30 feet horizontally
- Can be located within 30 to 200 feet horizontally
- Cannot be located accurately, probable error greater than 200 feet horizontally
- Probable contact

Resistant bed within a formation

- May be traceable only locally

Fault

- Approximately located
- U, upthrown side; D, downthrown side
- Questioned where probable

Anticline

- Showing crest line and direction of plunge
- Dashed where approximately located
- Questioned where probable

Monocline

- Approximately located

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

Strike of approximately vertical joints

- Based on photo-interpretation

National Forest boundary

Secondary road

Trail

Benchmark

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

4	3	2	1
5	6	7	8
12	11	10	9
13	14	15	16

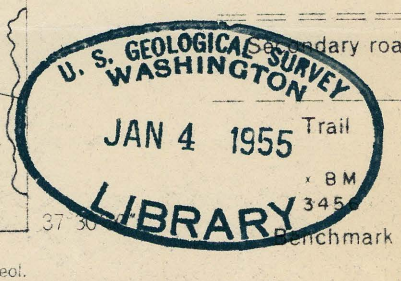
ELK RIDGE QUADRANGLE

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 four-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 Memo. Report 1954, U.S. Geol. Survey Prof. Paper 108-1954. Geographic and geologic field data from U.S. Geol. Survey topographic maps Elk Ridge quadrangles Utah 1942 and Prof. Paper 108.

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.



Note: Discontinuous lenses of Shinarump conglomerate may be present along the Moenkopi-Chinle contact even where not indicated on this map.

This map is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey standards and nomenclature.

Utah (Elk Ridge 15 quad). Geol. 1:24,000. 1954. M(200) R290 no.55-11 cop. 1. C-1

