U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

COMPILATION OF PHOTOGEOLOGY AND SURFACE GEOLOGY
COLORADO PLATEAU AREA, UNITED STATES

TRACE ELEMENTS MEMORANDUM REPORT TM 410

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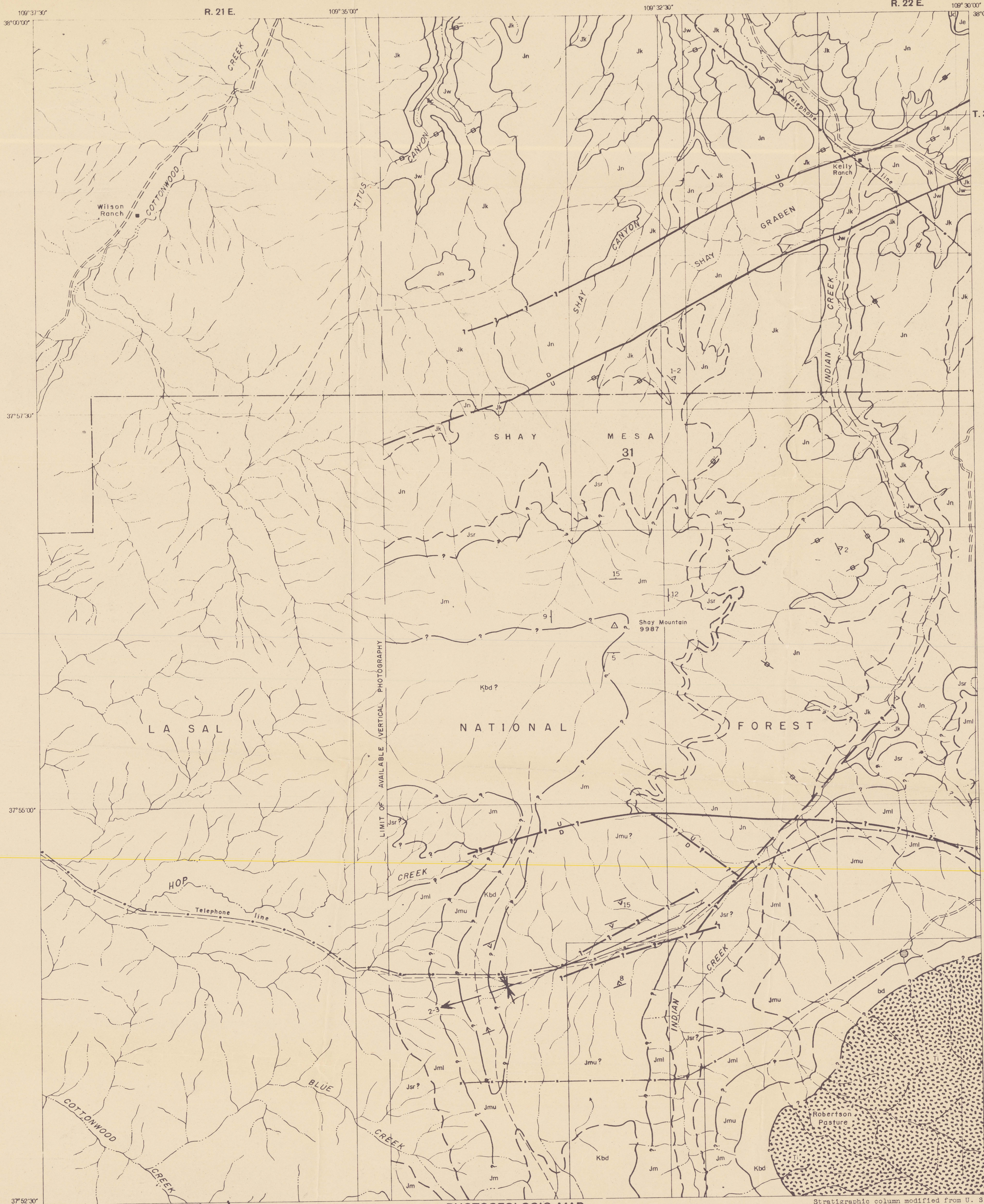

EXPLANATION

SEDIMENTARY ROCKS

CRETACEOUS — Lower and Upper
- Kbd — Burro Canyon formation and Dakota sandstone, undifferentiated (In places may be overlain by Mancos shale (Upper Cretaceous))

JURASSIC — Upper
- Jm (Jmu, Jml) — Morrison formation. Upper part, Jmu, equivalent to Brushy Basin shale member; lower part, Jml, includes the Salt Wash sandstone member
- Jsr (Je, Jc) — San Rafael group undifferentiated. Entrada sandstone, Je; Carmel formation, Jc

JURASSIC (?) — Middle
- Jn — Navajo sandstone
- Jk — Kayenta formation
- Jw — Wingate sandstone

TRIASSIC
- TRc — Chinle formation

IGNEOUS ROCKS

TERTIARY
- Ti — Intrusive rocks

Contact (Can be accurately located within 30 feet horizontally)

Contact (Can be approximately located within 30 to 200 feet horizontally)

Contact (Cannot be located accurately; probable error greater than 200 feet)

Probable or doubtful contact

Fault (Dashed where approximately located)

Probable or doubtful fault

High-angle fault (U, upthrown side; D, downthrown side)

Syncline Showing trace of axial plane and direction of plunge (Dashed where approximately located)

Strike and dip of beds (Based on field measurement)

Strike and dip of beds (Based on photo-interpretation)

Strike of approximately vertical joint system (Based on photo-interpretation)

Secondary road

Trail

Fence

Telephone line

Reservation boundary, National or State

Stratigraphic column modified from U. S. Geol. Survey Bull. 841 and U. S. Geol. Survey Prof. Paper 188.

BASE MAP COMPILED BY SOIL CONSERVATION SERVICE
U. S. DEPT. OF AGRICULTURE

JUNE 1952

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

ELK RIDGE QUADRANGLE

TRUE NORTH

PHOTOGEOLOGIC MAP
ELK RIDGE-1
SAN JUAN COUNTY, UTAH

PHOTOGEOLOGY BY R.J. HACKMAN
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000

~~Utah (Elk Ridge 1 quad.). Geol. 1:24,000. 1952.~~
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