

TEM
407

PHOTOGEOLOGIC MAP,

ELK RIDGE - 8 QUADRANGLE,

SAN JUAN COUNTY, UTAH

Trace Elements Memorandum Report 407

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

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Geology - Mineralogy

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Series A

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PHOTOGEOLOGIC MAP, ELK RIDGE-8 QUADRANGLE,
SAN JUAN COUNTY, UTAH*

By

R. J. Hackman

August 1952

Trace Elements Memorandum Report 407

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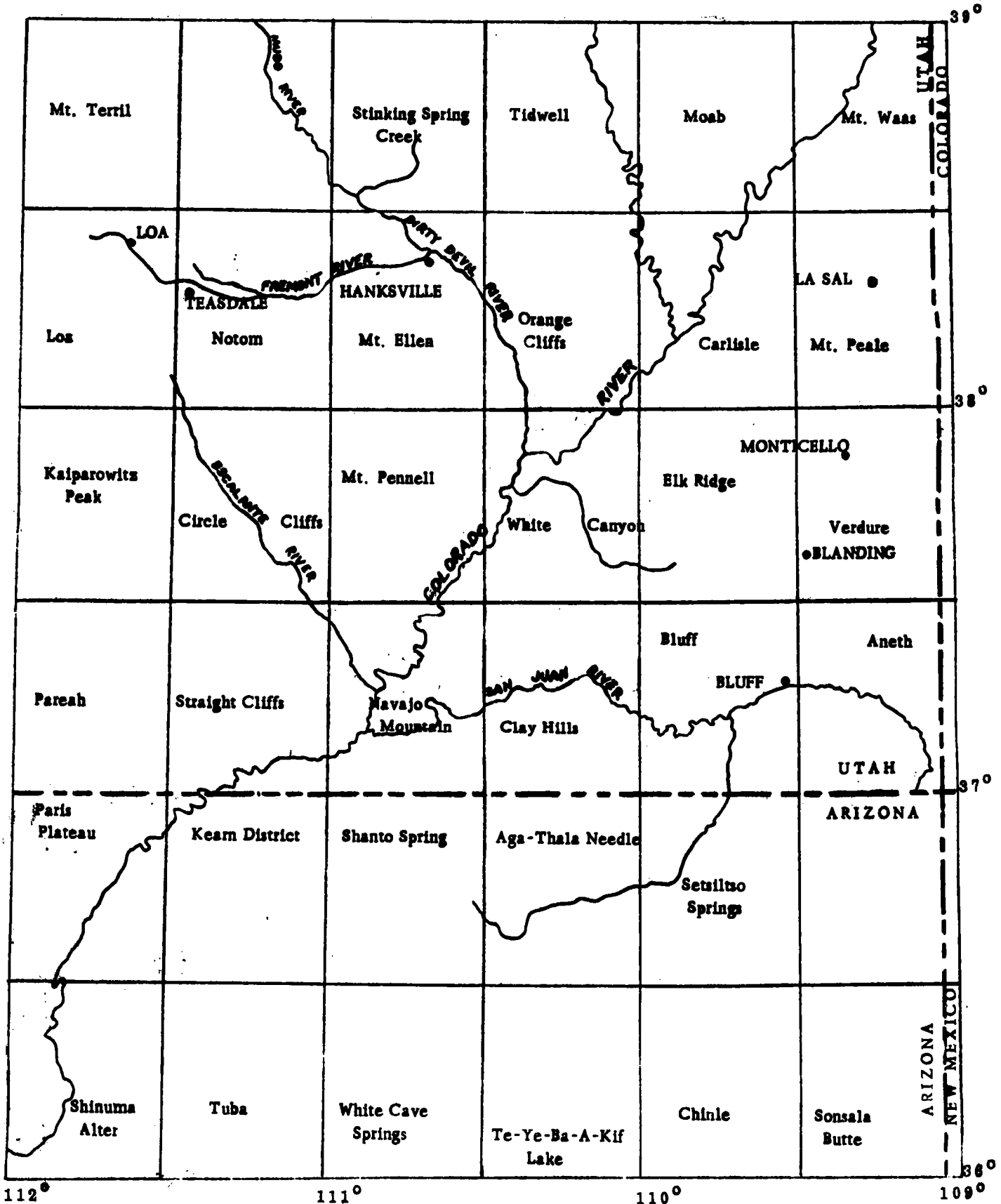
*This report concerns work done on behalf of the Division
of Raw Materials of the U. S. Atomic Energy Commission

USGS - TEM Report 407

GEOLOGY - MINERALOGY

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INDEX MAP OF PART OF THE COLORADO PLATEAU AREA, SHOWING
LOCATION OF PHOTOGEOLOGIC QUADRANGLE MAPS



R. 21 E.

R. 22 E.



EXPLANATION

- SEDIMENTARY ROCKS**
- Lower and Upper**
 - Kbd**
Burro Canyon formation and Dakota sandstone, undifferentiated (May contain small areas of Mancos shale (Upper Cretaceous))
 - Upper**
 - Jm, Jmu, Jml**
Morrison formation
Upper part, Jmu, equivalent to Brushy Basin shale member; lower part, Jml, includes the Salt Wash sandstone member
 - Middle**
 - Jsr**
San Rafael group, undifferentiated
 - Jn**
Navajo sandstone
- IGNEOUS ROCKS**
- Tertiary**
 - Intrusive rocks**

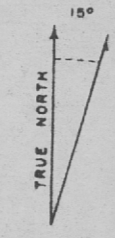
- Contact**
(Can be accurately located within 30 feet horizontally)
- Contact**
(Can be approximately located within 30 to 200 feet horizontally)
- Contact**
(Cannot be located accurately; probable error greater than 200 feet)
- Probable or doubtful contact**
- Probable or doubtful fault**
- High-angle fault**
(U, upthrown side; D, downthrown side)
- Anticline**
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)
- Dip component**
- Strike of approximately vertical joint system**
(Based on photo-interpretation)
- Secondary road**
- Trail**

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

JUNE 1962

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ELK RIDGE
QUADRANGLE



PHOTOGEOLOGIC MAP
ELK RIDGE - 8
SAN JUAN COUNTY, UTAH
PHOTOGEOLOGY BY R. J. HACKMAN
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000

Structural column modified from U. S. Geol. Survey
Prof. Paper 148, and U. S. Geol. Survey unpublished report.

