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395

PHOTOGEOLOGIC MAP,  
VERDURE - 7 QUADRANGLE,  
SAN JUAN COUNTY, UTAH

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Trace Elements Memorandum Report 395

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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Geology - Mineralogy

This document consists of 2 pages,  
plus 2 figures,  
Series A

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

PHOTOGEOLOGIC MAP, VERDURE -7 QUADRANGLE,  
SAN JUAN COUNTY, UTAH\*

By

R. J. Hackman

July 1952

Trace Elements Memorandum Report 395

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and nomenclature. It is not for pub-  
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\*This report concerns work done on behalf of the Division  
of Raw Materials of the U. S. Atomic Energy Commission

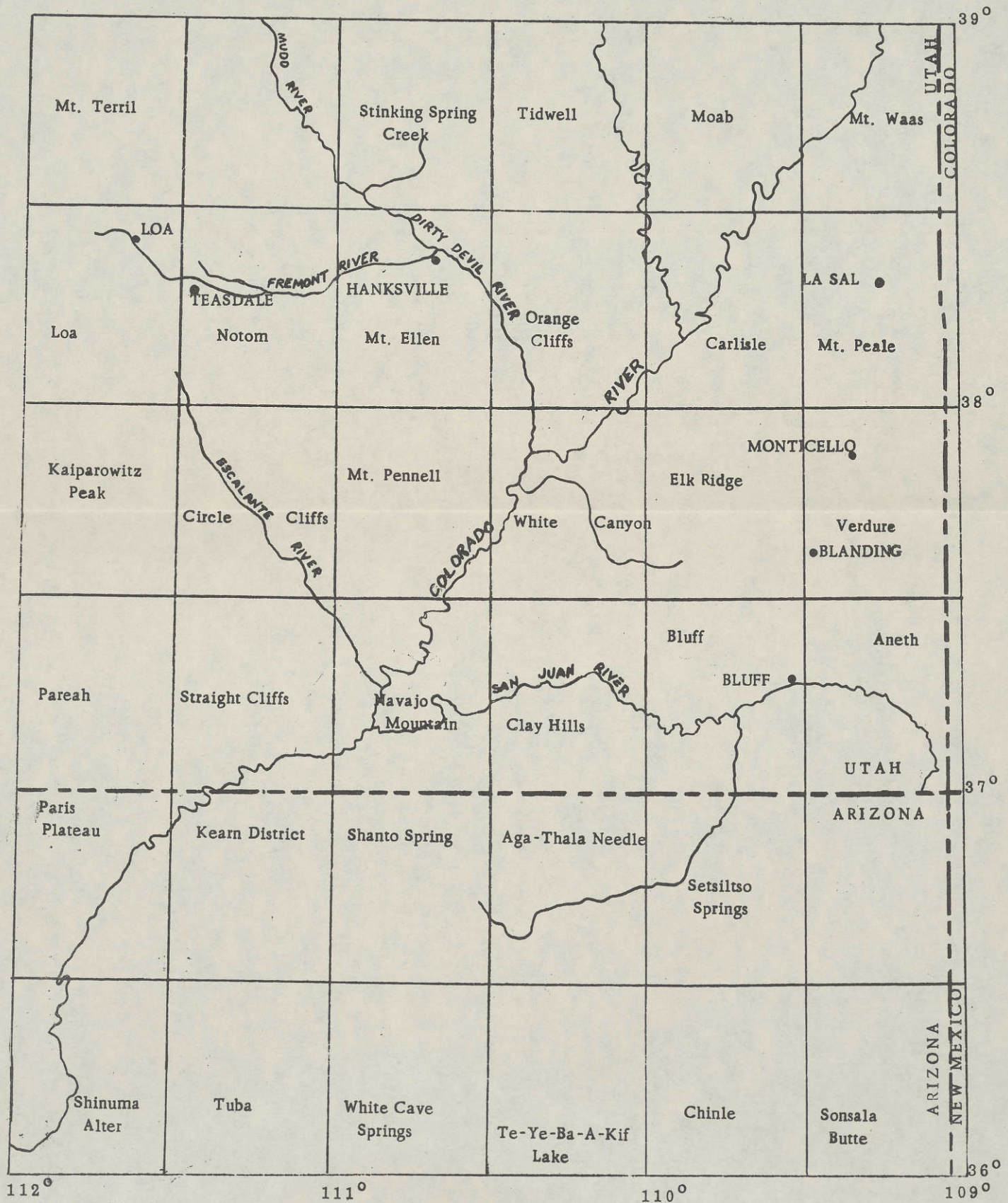
## USGS - TEM Report 395

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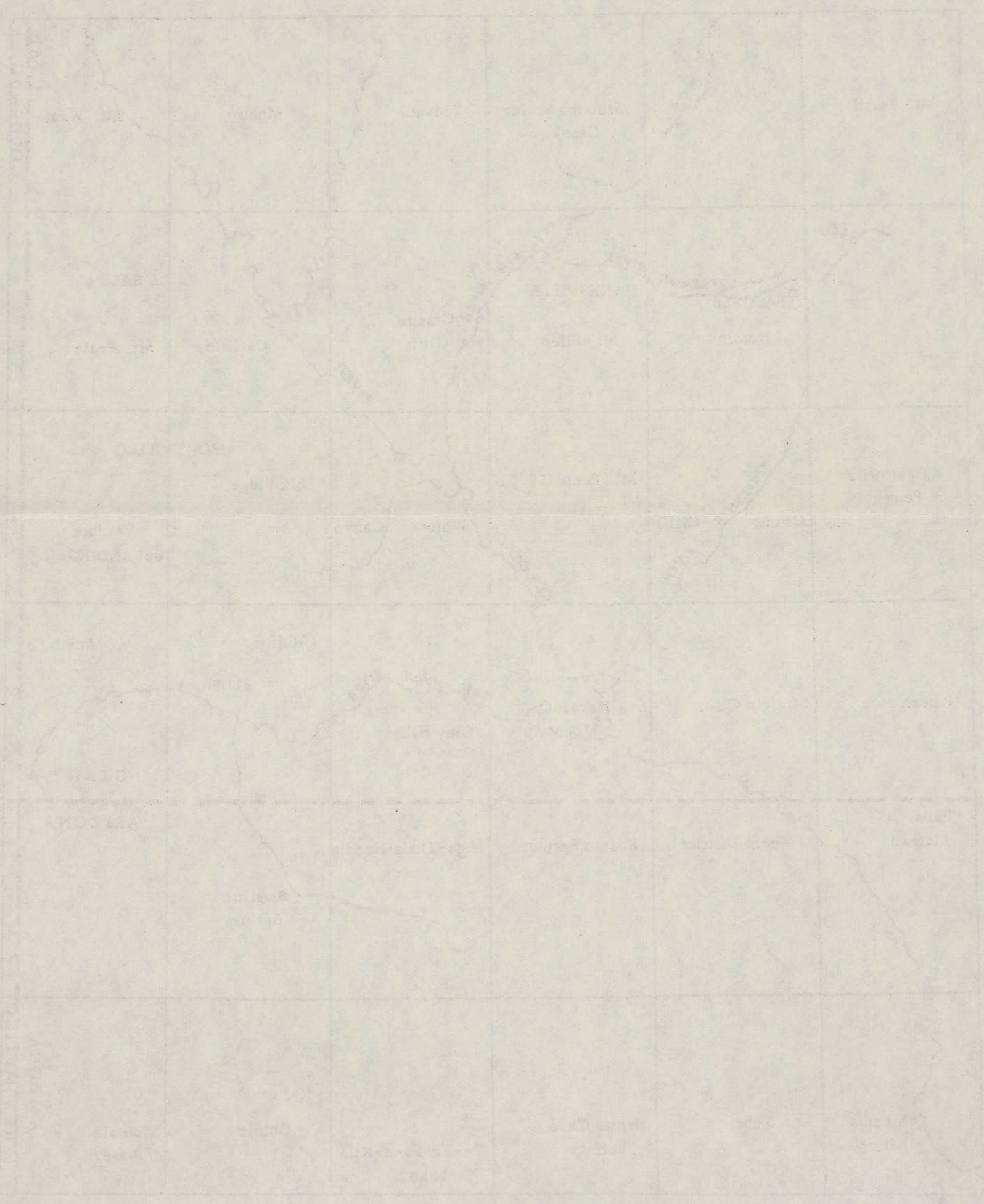
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INDEX MAP OF PART OF THE COLORADO PLATEAU AREA, SHOWING  
LOCATION OF PHOTOGEOLOGIC QUADRANGLE MAPS



PHYSICAL MAP OF THE GREAT LAKES BASIN  
AND THE ADJACENT TERRITORIES







**EXPLANATION**

**Lower and Upper**

**CRETACEOUS**

Kbd  
Burro Canyon formation and Dakota sandstone, undifferentiated (In places may be covered by thin mantle of Mancos shale (Upper Cretaceous))

**Upper**

**JURASSIC**

Jmu  
Jml  
Morrison formation  
Upper part, Jmu, equivalent to Brushy Basin shale member; lower part, Jml, equivalent to Salt Wash sandstone member. Dashed line in Jml shows position of base of carnotite-bearing sandstone

**Contact**  
(Can be accurately located within 30 feet horizontally)

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

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

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

**Horizontal beds**

**Dip component**

**Uninterpretable linear feature on photograph**  
(May be geologically significant)

**Primary road**

**Secondary road**

**Trail**

BASE MAP COMPILED BY SOIL CONSERVATION SERVICE  
U. S. DEPT. OF AGRICULTURE  
MAY 1962

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

VERDURE  
QUADRANGLE

**PHOTOGEOLOGIC MAP**  
**VERDURE - 7**  
**SAN JUAN COUNTY, UTAH**  
PHOTOGEOLOGY BY R. J. HACKMAN  
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH  
SCALE 1:24,000

Stratigraphic column modified from U. S. Geol. Survey Prof. Paper 149, U. S. Geol. Survey Strategic Minerals Inv., Geologic Map of vanadium region of southwestern Colorado and southeastern Utah, by R. P. Fischer, 1944, and U. S. Geol. Survey unpublished report.



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BUREAU OF PLANT INDUSTRY  
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