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TEM 501  
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TEM 501  
PHOTOGEOLOGIC MAP, ORANGE CLIFFS - 14  
QUADRANGLE, GARFIELD COUNTY, UTAH,  
by R. G. Ray.

WITHDRAWN





IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WASHINGTON 25, D. C.

DEC 15 1952



AEC - 531/3

SEP 17 1991

Dr. Phillip L. Merritt, Assistant Director  
Division of Raw Materials  
U. S. Atomic Energy Commission  
P. O. Box 30, Ansonia Station  
New York 23, New York

U. S. GOVERNMENT DOCUMENTS  
NONDESCRIPTIVE  
ARTHUR H. ... Y  
COLORADO ... LINES

Dear Phil:

Transmitted herewith are two copies of Trace Elements Memorandum Report 501, "Photogeologic map, Orange Cliffs-14 quadrangle, Garfield County, Utah," by R. G. Ray. This map of part of the Colorado Plateau area is one of the series of 7½-minute photogeologic quadrangle maps that are being prepared.

Planimetry for Orange Cliffs-14 quadrangle was compiled by radial templet methods by the Photogeology Unit of the Alaskan Geology Branch. Structural data and geologic contacts are plotted relative to this planimetry. The position of planimetry adjusted to the radial control of this map, however, probably is not of standard quadrangle accuracy.

In order to make the information available to the public, we plan to place this map on open file. We are asking Mr. Hosted whether the Commission has any objection to this plan.

Sincerely yours,

*W. H. Bradley*  
for W. H. Bradley  
Chief Geologist

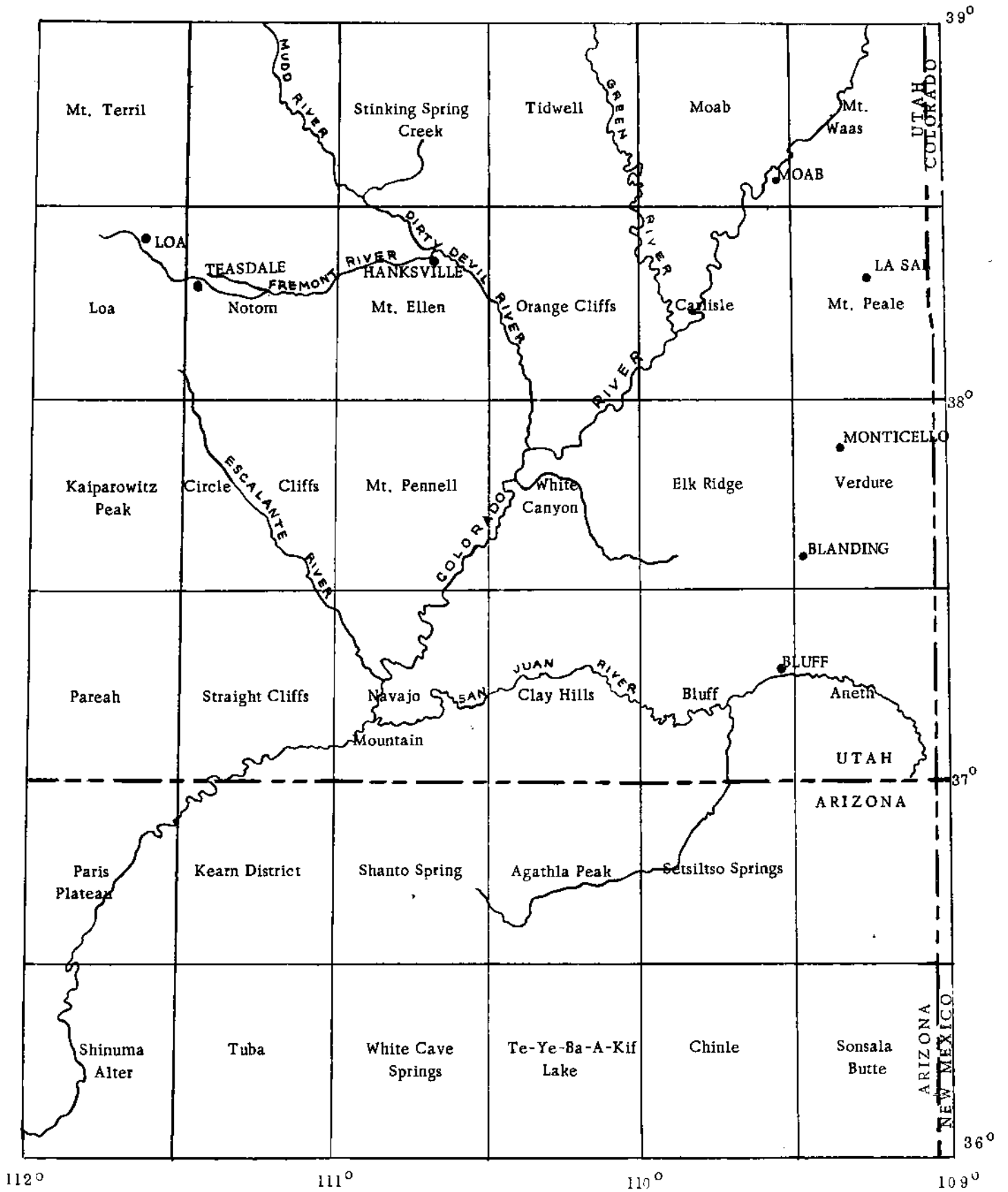
metadc1393455

USGS - TEM REPORT 501

GEOLOGY - MINERALOGY

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





EXPLANATION

- |      |   |              |
|------|---|--------------|
| Jn   | Navajo sandstone  | JURASSIC (?) |
| Jk   | Kayenta formation   |              |
| Jw   | Wingate sandstone   |              |
| Rc   | Chinle formation  | TRIASSIC     |
| Rs   | Shinarump conglomerate                                      |              |
| Rm   | Moenkopi formation  | PERMIAN      |
| Pcw  | Cutler formation  |              |
| Pcor | White Rim sandstone member, Pcw,<br>Organ Rock tongue, Pcor |              |

- 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; U, upthrown side; D, downthrown side)
- 
- Probable or doubtful fault
- Uninterpretable linear feature on photograph  
(May be geologically significant)
- Strike and dip of beds  
(Based on photo-interpretation)
- Horizontal beds
- Strike of approximately vertical joint system  
(Based on photo-interpretation)

Note: Planimetry on this map compiled by radial tautometer methods. Horizontal control based on U.S. Geol. Survey Bull. 951, Pl. I.

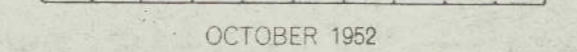
Planimetric base map compiled by U.S. Geological Survey from vertical aerial photographs.

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

ORANGE CLIFFS  
QUADRANGLE

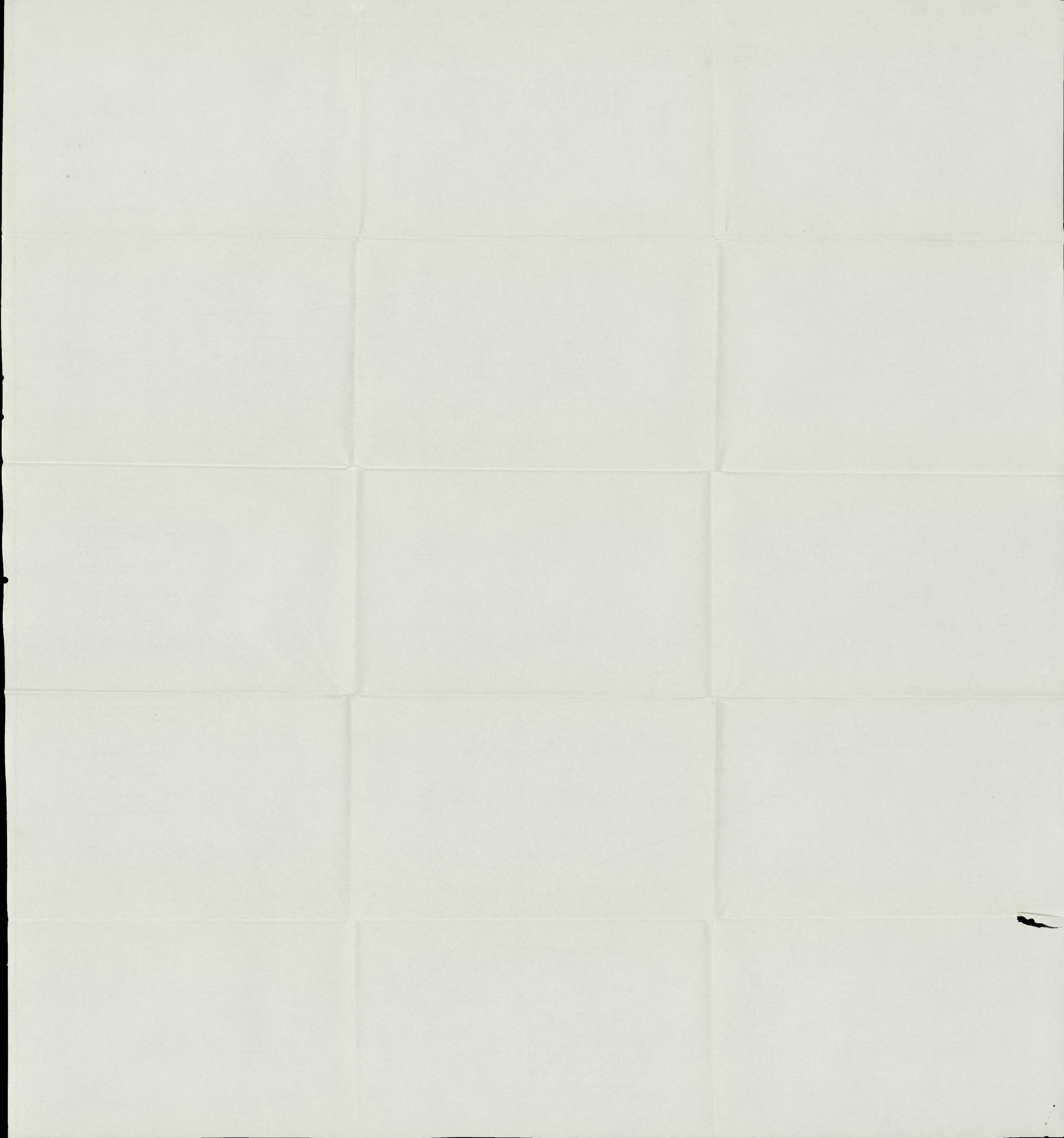
PHOTOGEOLOGIC MAP  
ORANGE CLIFFS-14  
GARFIELD COUNTY, UTAH

PHOTOGEOLOGY BY R. G. RAY  
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH  
SCALE 1:24,000



OCTOBER 1952

Stratigraphic column for this area taken from U.S. Geol. Survey Bull. 951.





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