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

IN REPLY REFER TO:

AEC - 596/6

MAR 12 1956

Mr. Robert D. Nininger, Assistant Director
Division of Raw Materials
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Bob:

Transmitted herewith are two copies of TEM-911, "Photogeologic map, Orderville Canyon NW quadrangle, Kane and Washington Counties, Utah," by C. L. Pillmore, January 1956. This map of part of the Colorado Plateau area is one of the series of 7½-minute photogeologic quadrangle maps that are being prepared.

We are asking Mr. Hosted to approve our plan to publish this map in the Miscellaneous Geologic Investigations series.

Sincerely yours,

for John H. Eric
W. H. Bradley
Chief Geologist

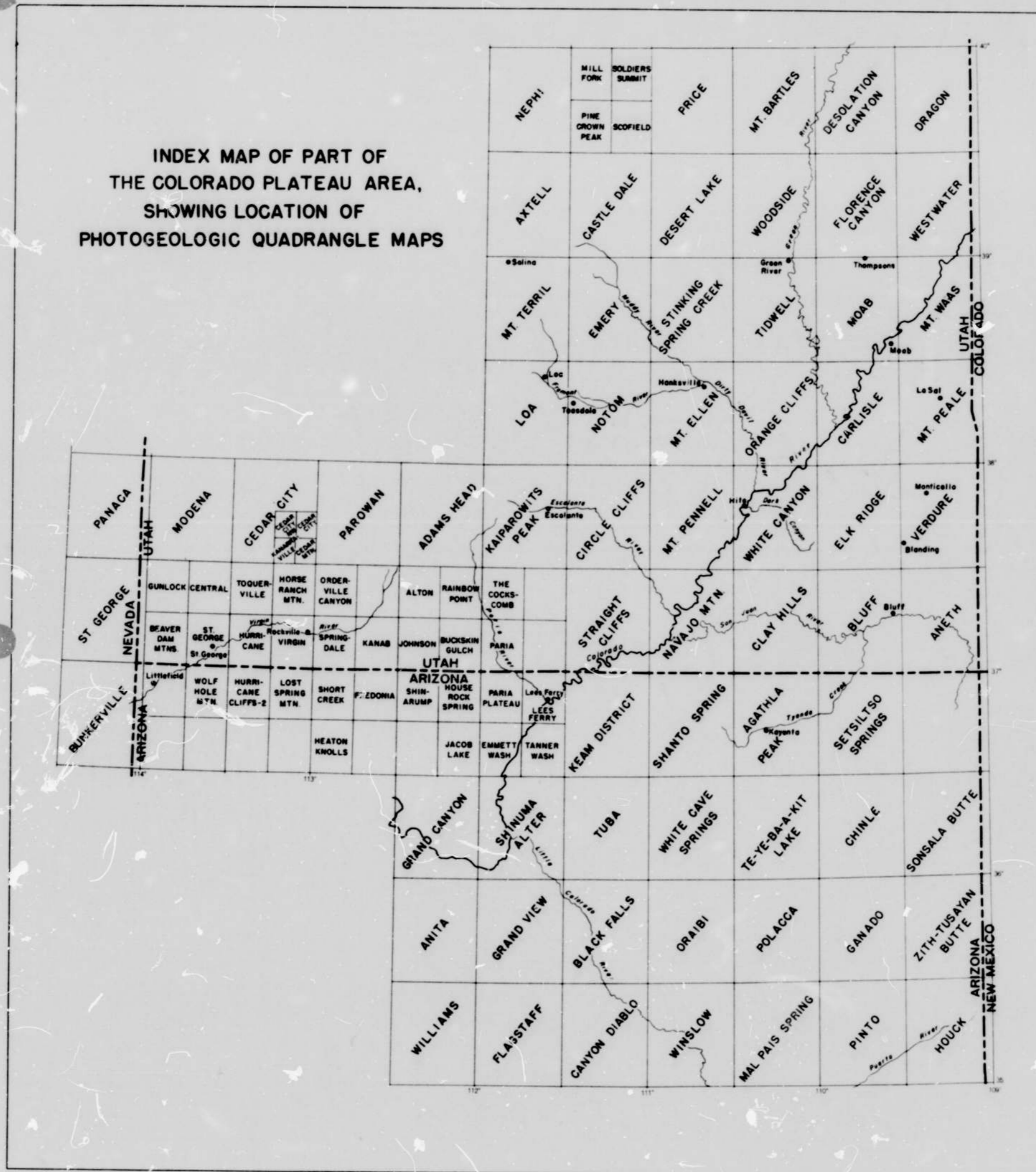


USGS - TEM-911

GEOLOGY AND MINERALOGY

<u>Distribution (Series A)</u>	<u>No. of copies</u>
Exploration Division, Grand Junction Operations Office	3
(Including one film positive of map)	
Division of Raw Materials, Washington.	2
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A. L. Brokaw, Grand Junction	3
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A. H. Koschmann, Denver.	1
TEPCO, Denver.	1
TEPCO, RPS, Washington	1
	<u>15</u>

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





EXPLANATION

SEDIMENTARY ROCKS	
Qh	Quaternary
Qs	Surface deposits
Wk	Wahweap sandstone
Kic	Stoughton limestone
Kkz	Thrust sheet and Dakota sandstone (unconformable)
Wm	Winar formation
Alc	Alta formation
Cuf	Curtis formation
En	Entrada sandstone
Ca	Carlisle formation
Ja	Navajo sandstone
Jm	Navajo sandstone (unconformable)
Jp	Navajo sandstone (unconformable)
IGNEOUS ROCKS	
Qtz	Volcanic rock
CONTACTS	
---	Contact
---	Can be located within 50 feet horizontally
---	Contact
---	Can be located within 50 to 200 feet horizontally
---	Contact
---	Cannot be located accurately, probable error greater than 200 feet horizontally
---	Probable contact
---	Resistant bed within a formation
---	May be traceable only locally
---	Fault
---	U, upthrown side; D, downthrown side
---	Dashed where approximately located, dotted where conjectured, Questioned where probable
---	Strike and dip of beds
---	Obtained by photogrammetric methods
---	Approximate strike and dip of beds
---	Based on photo-interpretation
---	Linear feature uninterpretable on photograph
---	May be geographically significant
---	Photogrammetric measurement of stratigraphic thickness in feet
x	Gravel pit
---	County boundary
---	Secondary road
---	Trail
---	Fence

PHOTOLOGIC MAP
 OF THE
ORDERVILLE CANYON NW QUADRANGLE
 KANE AND WASHINGTON COUNTIES, UTAH
 By
 C. L. Pillmore
 Map 1234
 January 1956

This preliminary report is distributed without editorial and technical review for conformity with official standards and nomenclature. It is not for public inspection or quotation.

Geographic columns for this area modified from U. S. Geol. Survey Prof. Paper 220, 1905. Geographic and geologic field data from Prof. Paper 220. U. S. Geol. Survey topographic map, Zion National Monument, 1940. U. S. Geol. Survey topographic map, Zion National Park, 1938. Utah Geol. and Mineralogy Survey Bull. 37, 1920, and general communication from W. B. Cahoon, Jr.