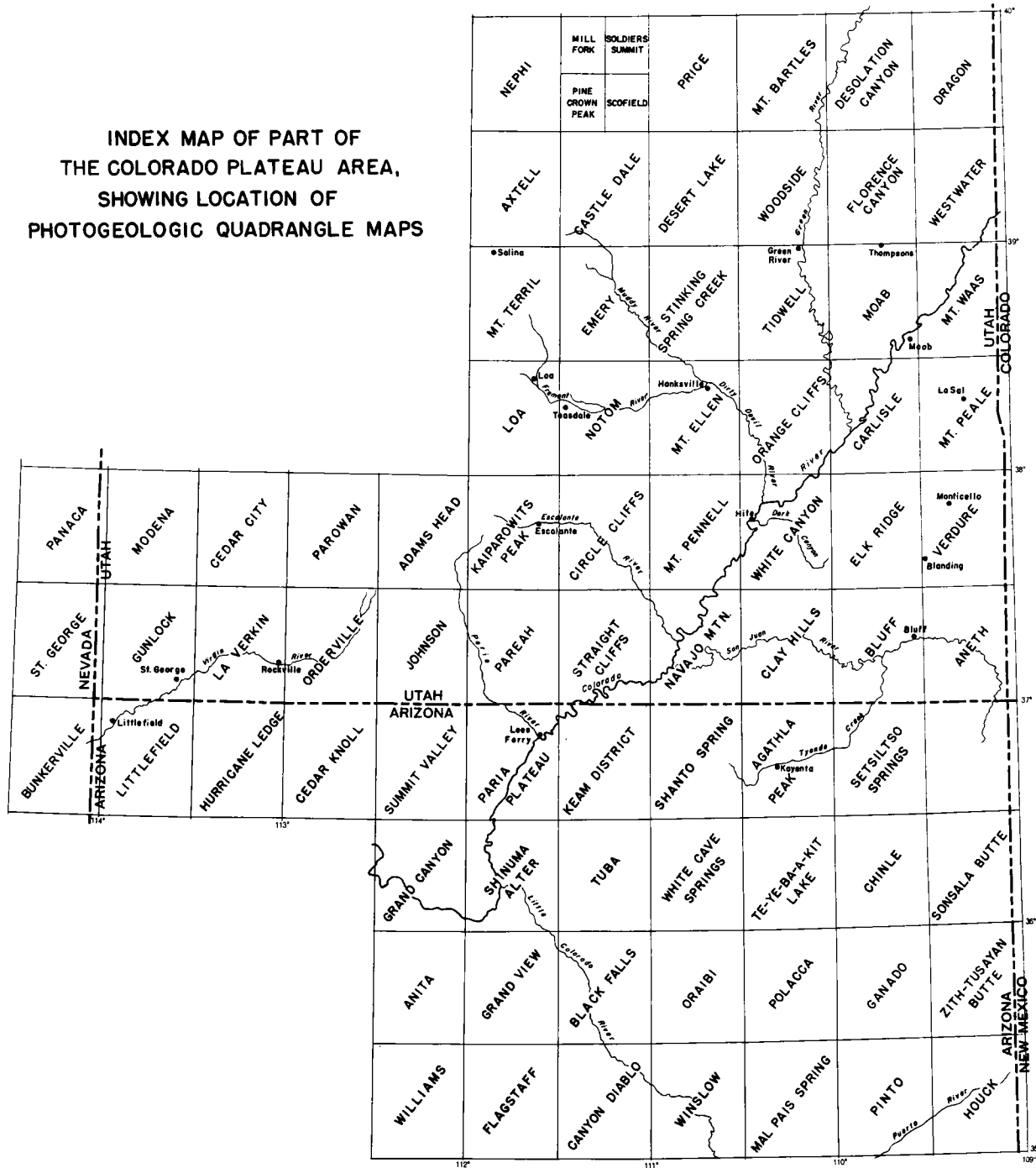
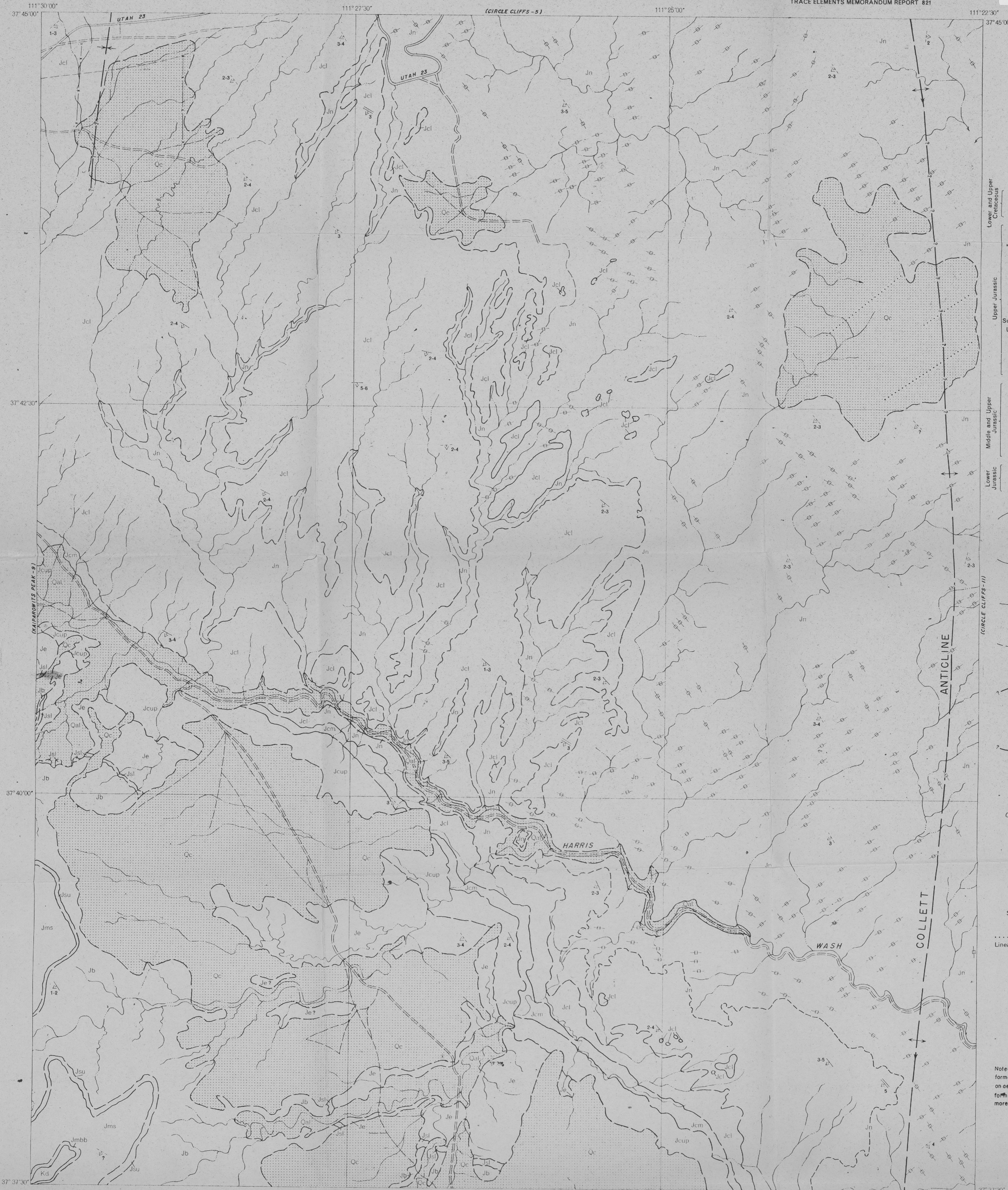


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INDEX MAP OF PART OF
THE COLORADO PLATEAU AREA,
SHOWING LOCATION OF
PHOTOGEOLOGIC QUADRANGLE MAPS





EXPLANATION

- Alluvium, Qal; covering deposits, undifferentiated, Qc
- Dakota sandstone
- Morrison formation
Brushy Basin shale member, Jmbb;
Salt Wash sandstone member, Jms
- Summerville formation Bluff (?) sandstone, Jb
Upper part (?), Jsu;
lower part, Jsl
- Entrada sandstone
- Carmel formation
Upper unit, Jcup;
middle unit, Jcm;
lower unit, Jcl
- Navajo sandstone

- Contact
Can be located
within 30 feet horizontally
- Contact
Can be located
within 30 to 200 feet horizontally
- Contact
Cannot be located accurately, probable
error greater than 200 feet horizontally
- Resistant bed
within a formation
May be traceable only locally
- Anticline
Showing crest line
and direction of plunge
Approximately located
Questioned where probable
- Syncline
Showing trough line
Approximately located
Questioned where probable
- Strike and dip of beds
Computed by photogrammetric methods
- Approximate strike and dip of beds
Based on photo-interpretation
- Inferred strike and dip of beds
Based on photo-interpretation of
areas where bedding is obscure
- Strike of approximately vertical joints
Based on photo-interpretation
- Linear feature uninterpretable on photograph
May be geologically significant
- Primary road
- Secondary road
- Trail
- Fence

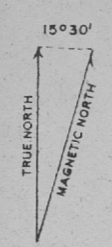
Note: In this map area three units of the Carmel formation, not divided in the field, are recognizable on aerial photographs; the middle white slope-forming unit separates two darker, slightly more resistant units.

Base map compiled by U.S. Geological Survey from vertical aerial photographs.
The aerial photographs used for photogeologic interpretation were taken in June 1948.

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

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

CIRCLE CLIFFS QUADRANGLE



PHOTOGEOLOGY BY R. J. HACKMAN
SCALE 1:24,000
JULY 1954

Roads as classified in this map series are as follows:
Primary roads are maintained and graded, traversable by two-wheel drive vehicles; secondary roads are traversable, possibly, by two-wheel drive vehicles; trails are not traversable by four-wheel drive vehicles, except locally. When other information is lacking, roads are classified by their appearance on aerial photographs.

Stratigraphic column for this area modified from U.S. Geol. Survey Prof. Paper 164, 1901; geologic and geologic field data also from U.S. Geol. Survey Prof. Paper 164.

Maps of this series have been compiled mainly from photogeologic data but have not been checked in the field; hence they have not had the benefit of thorough evaluation with respect to maps compiled entirely from field data.