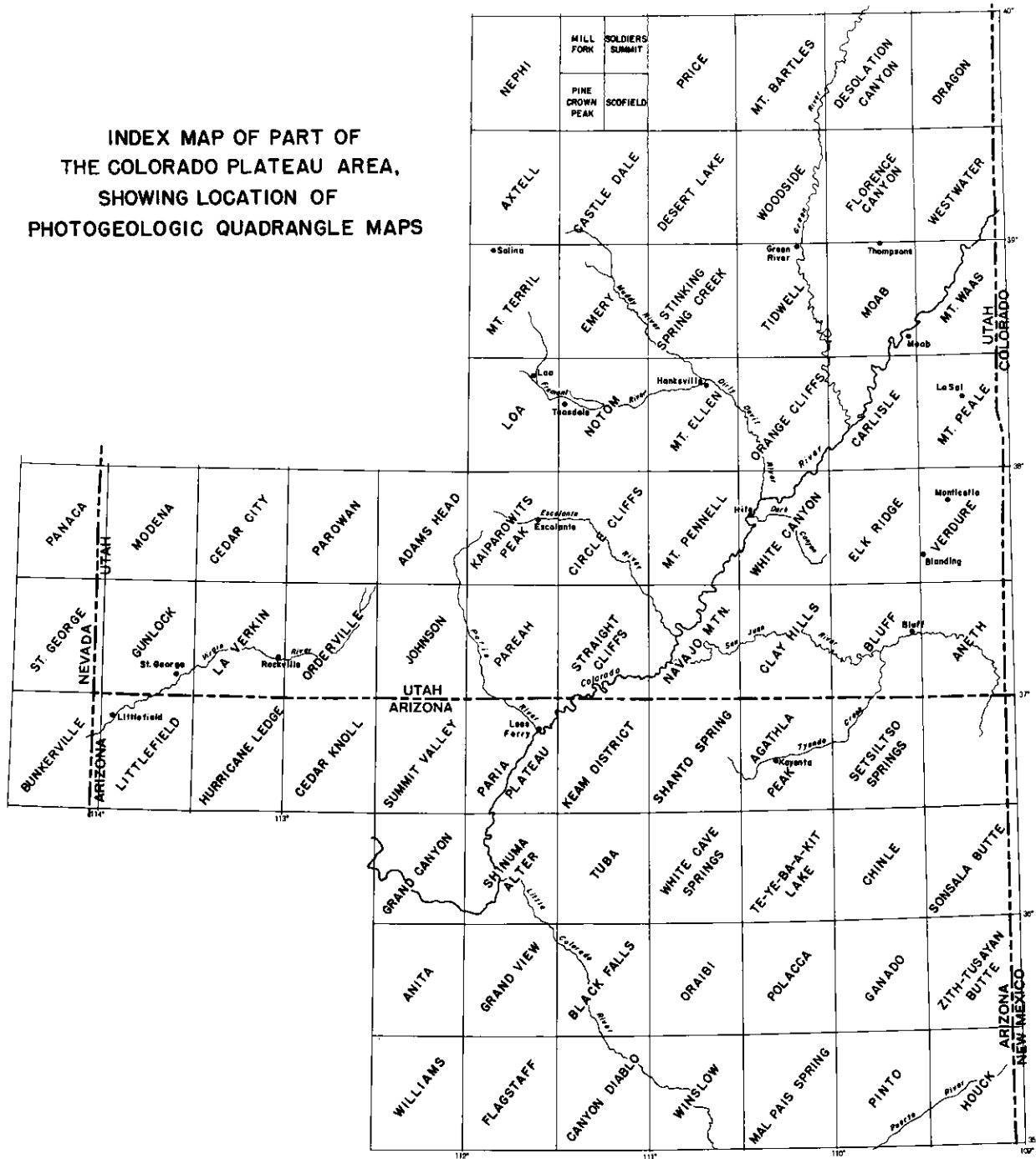


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INDEX MAP OF PART OF  
THE COLORADO PLATEAU AREA,  
SHOWING LOCATION OF  
PHOTOGEOLOGIC QUADRANGLE MAPS





EXPLANATION

SEDIMENTARY ROCKS

Qal Qcb Qc  
Alluvium, Qal; covering deposits, boulders, Qcb; covering deposits, undifferentiated, Qc

Kmf  
Kmt  
Mancos shale  
Ferron sandstone member, Kmf;  
Tununk shale member, Kmt

Kd  
Dakota sandstone

KJbm  
Probable equivalent of the Burro Canyon formation and Morrison formation, undifferentiated; Brushy Basin and Salt Wash members included.

Js  
Summerville formation

Jcu  
Curtis formation

Je  
Entrada formation

Jc  
Carmel formation

IGNEOUS ROCKS

Ti  
Diabase dike

Tis  
Composite diabase and syenite sill

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

Probable contact

Resistant bed  
within a formation  
May be traceable only locally

Probable anticline

Syncline  
Showing trough line  
and direction of plunge  
Dashed where approximately located

Strike and dip of beds  
Based on field measurement

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

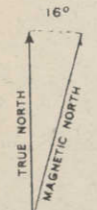
Secondary road

Base map compiled by U.S. Geological Survey from  
vertical aerial photographs.  
The aerial photographs used for photogeologic inter-  
pretation were taken in July, August, and October, 1952.

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
12	11	10	9
13	14	15	16

EMERY  
QUADRANGLE



PHOTOGEOLOGY BY H. S. BENNETT  
SCALE 1:24,000  
JUNE 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 Bull. 606, C-1929 Geologic and geologic field data  
from U.S. Geol. Survey Prof. Paper 252 and Bull. 405, 1954.  
Maps of this series have been compiled mainly from photo-  
geologic 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.

