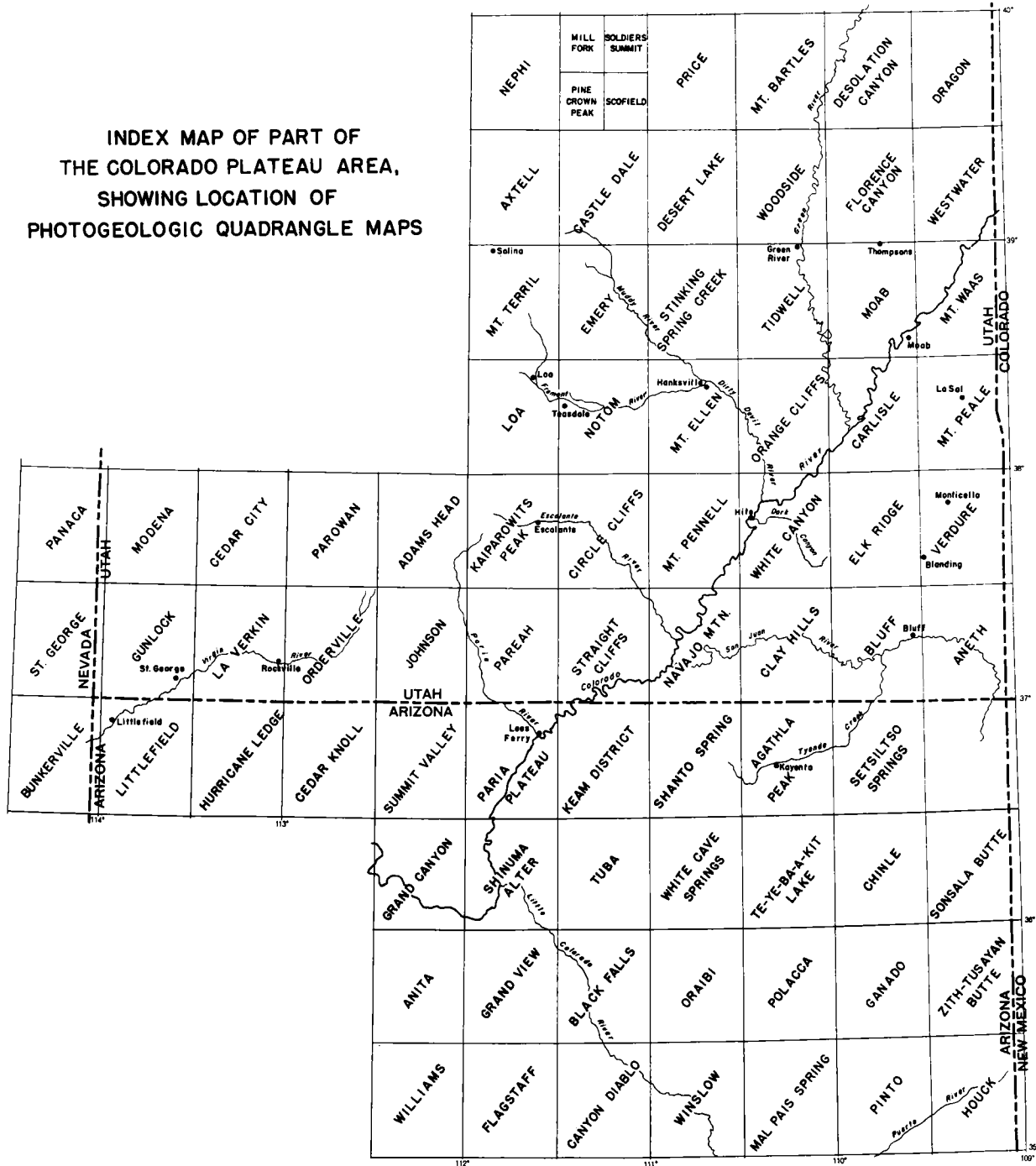


GEOLOGY AND MINERALOGY

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



metadc502272

DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, MOAB-6
UTAH - GRAND COUNTY

TRACE ELEMENTS MEMORANDUM REPORT 826

EXPLANATION



- Alluvium
- Terrace deposits
- Undifferentiated sand, residual mantle, and slope wash
- Mancos shale
- Upper part, undifferentiated; Ferron sandstone member
- Tununk shale member
- Dakota sandstone
- Dakota sandstone and the probable equivalent of the Burro Canyon formation
- Probable equivalent of the Burro Canyon formation
- Morrison formation
- Brushy Basin shale member; Salt Wash sandstone member
- Summerville formation
- Enfrada sandstone
- Upper part of Moab tongue; Carmel formation
- Navajo sandstone
- Paradox member of Hermosa formation

- 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
- Conspicuous bed within a formation
May be traceable only locally.
- Fault
Dashed where approximately located; U, upthrown side; D, downthrown side; Questioned where probable.
- Concealed fault
- Anticline
Showing crest line and direction of plunge; Approximately located.
- Syncline
Showing trough line and direction of plunge; 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.
- Dry hole
- Primary road
- Secondary road
- Trail
- Fence

Note: The lower unit of the probable equivalent of the Burro Canyon formation is believed to be the Buckhorn conglomerate of Stokes, and the upper unit, the Cedar Mountain shale of Stokes (Geol. Soc. America Bull., vol. 55, 1944).

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

MOAB QUADRANGLE

PHOTOGEOLOGY BY J. S. DETTERMAN
SCALE 1:24,000
SEPTEMBER 1964

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 278, track U. S. Geol. Survey Bull. 906, 1940; and U. S. Geol. Survey Bull. 663, 1935; geographic and geologic field data also from Bull. 908 and 903. Most of this series have been compiled mainly from photogeologic data but have not been checked on the field; hence they have not had the benefit of high evaluation with respect to maps compiled entirely from field data.