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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

TRACE ELEMENTS MEMORANDUM REPORT 917



EXPLANATION

- Qs
Surficial deposits
 - Jnm
Navajo sandstone
Middle unit, Jnm,
lower unit, Jel
 - Jk
Kayenta formation
 - Tmos
Moenave formation
Springdale sandstone member, Tmos;
Dinosaur Canyon sandstone member, Tmod
 - Tpcp
Petrified Forest member
of the Chinle formation
 - Ts
Shinarump conglomerate
 - Tm
Moenkopi formation
 - s
Slump blocks of
Triassic(?) and Jurassic(?) rocks
-
- 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.
 - Fault
U, upthrown side; D, downthrown side.
Dashed where approximately located;
dotted where concealed.
 - 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.
 - Water well
 - Secondary road
 - Trail
 - Fence

T. 40 N.
T. 39 N.

PHOTOLOGIC MAP
OF THE
PARIA PLATEAU SE QUADRANGLE
COCONINO COUNTY, ARIZONA

By
C. H. Marshall
Scale 1:24,000

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.

Stratigraphic column for this area modified from
unpublished field data of J. W. Harshbarger,
C. A. Repenning, and J. H. Irwin, Geol. Soc.
America Mem. 61, 1954; and U. S. Geol. Survey
Prof. Paper 164, 1931. Geographic and geo-
logic field data from U. S. Geol. Survey pre-
liminary topographic map, Paria Plateau SE
quadrangle, Ariz. and Prof. Paper 164.

Base map modified from U. S. Geological Survey preliminary
topographic map, Paria Plateau SE quadrangle, Ariz.
The aerial photographs used for photogeologic inter-
pretation were taken in September and October 1962.
Roads as classified on this map series are as follows:
Primary roads are maintained and graded; traversable by
heavy-duty 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.



January, 1956