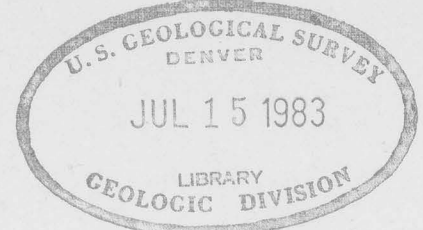


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no. 857



DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

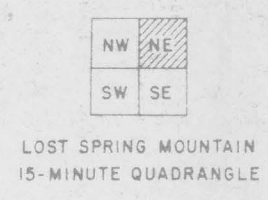
PHOTOGEOLOGIC MAP, LOST SPRING MOUNTAIN NE
ARIZONA-MOHAVE COUNTY
TRACE ELEMENTS MEMORANDUM REPORT 857



EXPLANATION

- Qs
Surficial deposits
 - Rcp
Petrified Forest member of the Chinle formation
 - Rs
Shinarump conglomerate
 - Rmu
Moenkopi formation
Upper red member, Rmu;
Shnabkaib member, Rms
- QUATERNARY
- Upper Triassic
- Lower and Middle(?) Triassic
- TRIASSIC
-
- 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
-
- Fault
U, upthrown side; D, downthrown side
Approximately located
-
- Strike and dip of beds
Computed by photogrammetric methods
-
- Approximate strike and dip of beds
Based on photointerpretation
-
- Inferred strike and dip of beds
Based on photointerpretation of areas where bedding is obscure
-
- Strike of approximately vertical joints
Based on photointerpretation
-
- Linear feature uninterpretable on photograph
May be geologically significant
-
- State boundary
-
- Primary road
-
- Secondary road
-
- Trail
-
- Fence

Base map compiled by U. S. Geological Survey from vertical aerial photographs. The aerial photographs used for photogeologic interpretation were taken in September-October 1953 and May 1954. Boundaries of geologic units are shown as they appear on the base map. Primary roads are indicated and dashed, secondary roads by two-dash lines, and trails by single-dash lines. Fences are indicated by a series of short dashes. When more information is available, roads are indicated by the appearance of aerial photographs.



PHOTOGEOLOGY BY C. H. MARSHALL
SCALE 1:24,000
APRIL 1955

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 Geol. Soc. America, Mem. 61, 196 and U. S. Geol. Survey Prof. Paper 200, 1950, geographic and geologic field data also from Prof. Paper 220. This map has been compiled mainly from photogeologic data but has not been checked in the field since it has not had the benefit of thorough evaluation with respect to maps compiled entirely from field data.

LOST SPRING MOUNTAIN SW

LOST SPRING MOUNTAIN SE

LOST SPRING MOUNTAIN
15-MINUTE QUADRANGLE