

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

PHOTOGEOLOGIC MAP, SPRINGDALE SE
UTAH - KANE COUNTY
TRACE ELEMENTS MEMORANDUM REPORT 855



EXPLANATION

- Surficial deposits
- Carmel formation
- Navajo sandstone
- Temple cap member, Jnt; massive sandstone unit, Jnm
- 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
Questioned where probable.
- Strike and dip of beds
Computed by photogrammetric methods.
- Strike of approximately vertical joints
Based on photo-interpretation.
- Linear feature uninterpretable on photograph
May be geologically significant.
- State boundary
- Primary road
- Secondary road
- Trail
- Fence

On aerial photographs the Temple cap member of the Navajo sandstone appears to be more similar to the Carmel formation than to the Navajo sandstone.

Blaze road compiled by U. S. Geological Survey from vertical aerial photographs.
The use of photographs used for photogrammetric investigation were taken in October, 1955.
Roads as classified in this map series are as follows:
Primary roads are marked and graded, drivable by two-wheel drive vehicles; secondary roads are drivable, if possible, by two-wheel drive vehicles; trails are not traversable by four-wheel drive vehicles except locally. When their interpretation is lacking, roads are classified by their appearance on aerial photographs.



PHOTOGEOLOGY BY C. L. PILLMORE
SCALE 1:24,000
MAY 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 U.S. Geol. Survey Prof. Paper 220, 1952; geographic and geologic field data also from Prof. Paper 220 and Utah State Road Comm. and U.S. Dept. Commerce, General Highway Map, Kane County, Utah, 1950.
This map has been compiled mainly from photogeologic data but has not been checked in the field; hence it has not had the benefit of thorough evaluation with respect to maps compiled entirely from field data.

(SHORT CREEK NW)

(FREDONA NW)