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U.S. GEOLOGICAL SURVEY  
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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 893



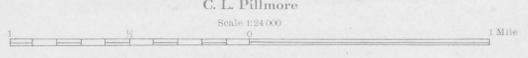
- EXPLANATION**
- Surficial deposits (QUATERNARY)
  - Carmel formation (JURASSIC)
  - Navajo sandstone (JURASSIC)
  - Temple cap member, Jnt; massive sandstone unit Jnm (JURASSIC)
  - Kayenta formation, Jk; Tenney Canyon tongue, Jkt; Lamb Point tongue of the Navajo sandstone, Jnl (JURASSIC)
  - Moenave formation (TRIASSIC)
  - Springdale sandstone member, Tmos; Dinosaur Canyon sandstone member, Tmod (TRIASSIC)
  - Petrified Forest member of the Chinle formation (TRIASSIC)
- Contact**
- Contact  
Can be located within 30 feet horizontally
  - Contact  
Can be located within 30 to 200 feet horizontally
  - Probable contact
  - Fault  
Dashed where approximately located; dotted where concealed; Questioned where probable. U, upthrown side; D, downthrown side.
  - Strike and dip of beds  
Computed by photogrammetric methods.
  - Approximate strike and dip of beds  
Based on photointerpretation.
  - Strike of approximately vertical joints  
Based on photointerpretation.
  - Linear feature uninterpretable on photograph  
May be geologically significant.
  - Spring
  - State boundary
  - Primary road
  - Secondary road
  - Trail

\*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.

Base map compiled by U. S. Geological Survey from vertical aerial photographs.  
The aerial photographs used for photogeologic interpretation were taken in October 1962.  
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.



PHOTOGEOLOGIC MAP  
OF THE  
KANAB SW QUADRANGLE  
KANE COUNTY, UTAH  
By  
C. L. Pillmore



MAY 1965

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, 1950 and Averitt, Paul, Detterman, J. S., Harshbarger, J. W., and Repenning, C. A., unpublished field data. Geographic and geologic field data from Prof. Paper 220.

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.