

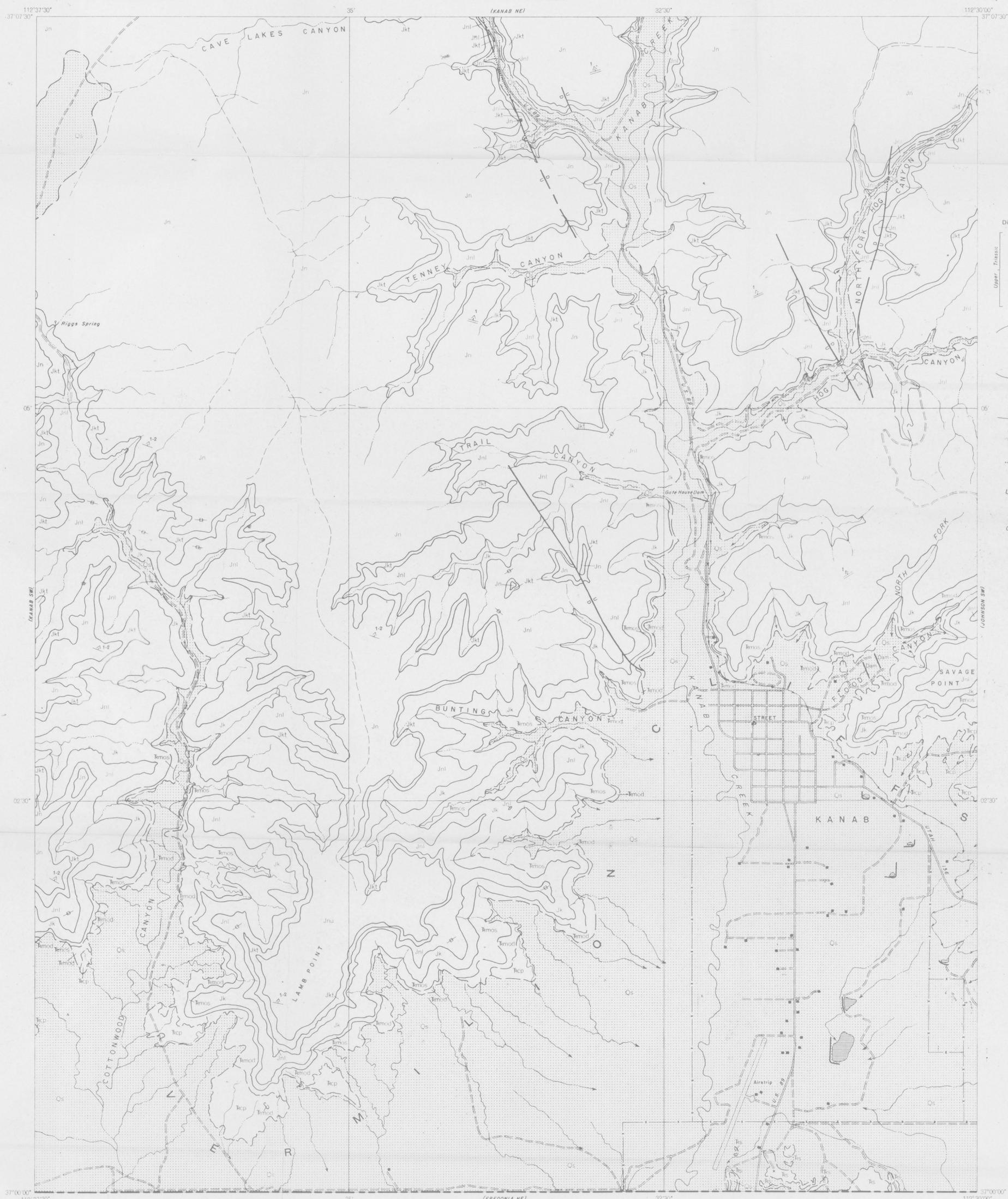
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UNITED STATES GEOLOGICAL SURVEY

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

PHOTOGEOLOGIC MAP, KANAB SE  
UTAH - KANE COUNTY  
TRACE ELEMENTS MEMORANDUM REPORT #92



EXPLANATION

- Surficial deposits
  - Navajo sandstone
  - Kayenta formation, Jkt;  
Tenney Canyon tongue, Jkt;  
Lamb Point tongue of the  
Navajo sandstone, Jnl
  - Moenave formation  
Springdale sandstone member, Tmos;  
Dinosaur Canyon sandstone member, Tmod
  - Petrified Forest member  
of the Chinle formation
  - Shinarump conglomerate
- 
- 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  
Dashed where approximately located;  
dotted where concealed.  
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.
  - Gravel pit
  - Spring
  - Irrigation ditch
  - State boundary
  - Primary road
  - Secondary road
  - Trail
  - Fence

JURASSIC(?) QUATERNARY  
and JURASSIC  
TRIASSIC(?)  
TRIASSIC  
Upper, Triassic

Base map compiled by U. S. Geological Survey from vertical  
aerial photographs.  
The aerial photographs used for photogeologic interpretation  
were taken in October 1962 and 1963.  
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.

KANAB  
15-MINUTE QUADRANGLE

PHOTOGEOLOGY BY J. S. DETTERMAN  
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  
U. S. Geol. Survey Prof. Paper 220, 1950 and  
Averitt, Paul, Detterman, J. S., Harshbarger, J. W.,  
and Resenning, C. A., unpublished field data.  
Geographic and geologic field data from Prof.  
Paper 220, U. S. Forest Service map, Dixie National  
Forest, Utah, 1950, and FWA, Public  
Roads Adm., Utah Transp. Map, Sheet 11, 1949.  
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.