

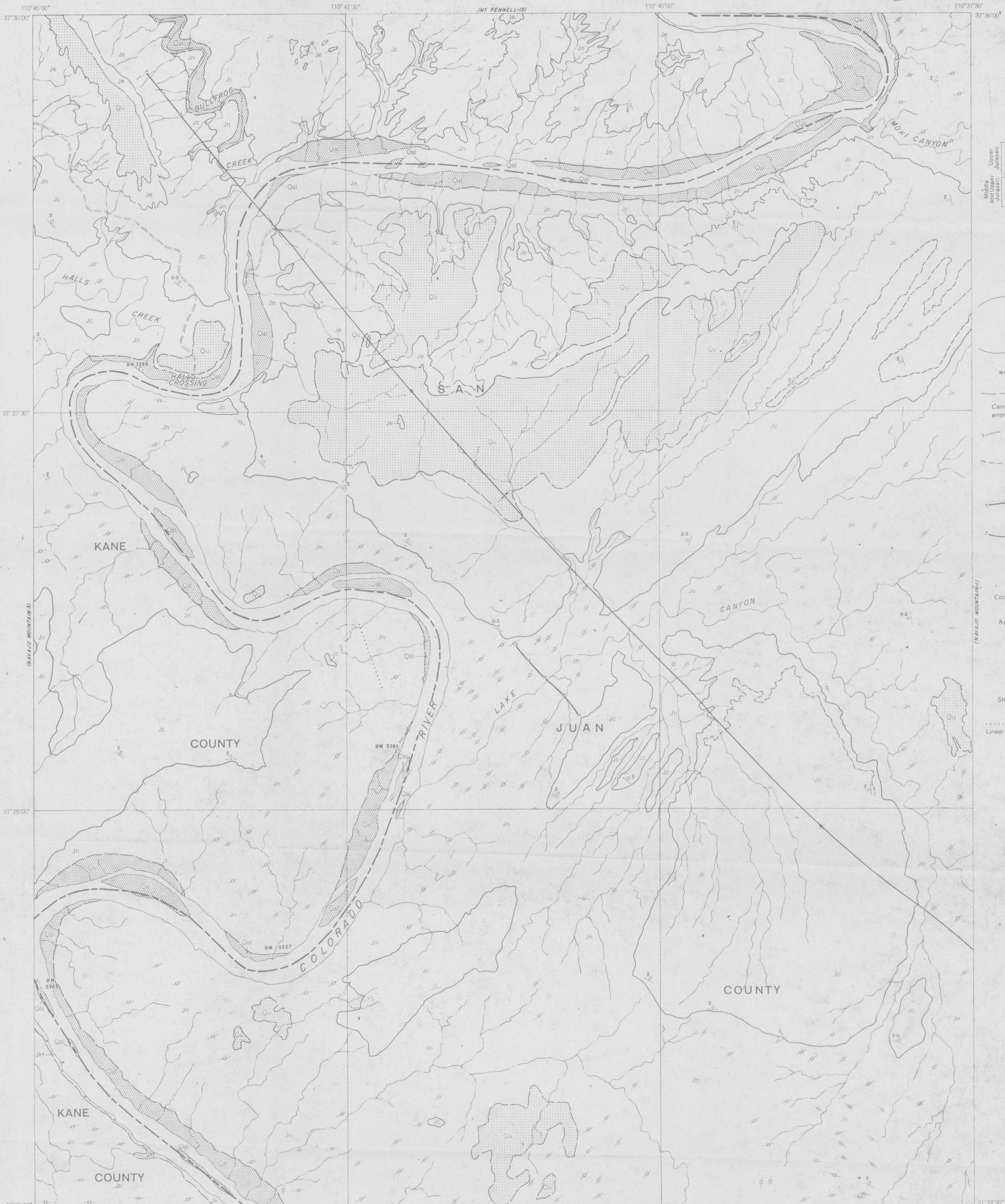
U.S. GEOLOGICAL SURVEY
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DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, NAVAJO MOUNTAIN-2
UTAH-KANE AND SAN JUAN COUNTIES
TRACE ELEMENTS MEMORANDUM REPORT 827



EXPLANATION

- | | | |
|----------|--|------------|
| [Symbol] | Alluvium | QUATERNARY |
| [Symbol] | Undifferentiated sand, residual mantle, and slope wash | |
- | | | |
|----------|-------------------|--------------|
| [Symbol] | Je | JURASSIC |
| [Symbol] | Entrada sandstone | |
| [Symbol] | Jc | |
| [Symbol] | Carmel formation | |
| [Symbol] | Jn | |
| [Symbol] | Navajo sandstone | JURASSIC (?) |
| [Symbol] | Jk | |
- | | |
|----------|---|
| [Symbol] | Contact
Can be located
within 30 feet horizontally |
| [Symbol] | Contact
Can be located
within 30 to 200 feet horizontally |
| [Symbol] | Contact
Cannot be located accurately, probable
error greater than 200 feet horizontally |
| [Symbol] | Probable contact |
| [Symbol] | Resistant bed
within a formation
May be traceable only locally |
| [Symbol] | Probable fault |
| [Symbol] | Syncline
Showing trough line
and direction of plunge
Questioned where probable |
| [Symbol] | Strike and dip of beds
Computed by photogrammetric methods |
| [Symbol] | Approximate strike and dip of beds
Based on photo-interpretation |
| [Symbol] | Inferred strike and dip of beds
Based on photo-interpretation of
areas where bedding is obscure |
| [Symbol] | Strike of approximately vertical joints
Based on photo-interpretation |
| [Symbol] | Linear feature uninterpretable on photograph
May be geologically significant |
| [Symbol] | County boundary |
| [Symbol] | Secondary road |
| [Symbol] | BM
1456
Benchmark |

Base map compiled by U. S. Geological Survey from vertical aerial photographs. The aerial photographs used for photogeologic interpretation were taken in May 1946 and September 1952.

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

4	3	2	1
5	6	7	8
12	11	10	9
13	14	15	16

NAVAJO MOUNTAIN
QUADRANGLE

PHOTOGEOLOGY BY H. S. BENNETT
SCALE 1:24,000
AUGUST 1954

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.

Stratigraphic column for this area modified from U. S. Geol. Survey Bull. Prof. Papers 228, 293 and 164, 1931. Geographic and geologic data from Prof. Papers 228 and 164, and U. S. Geol. Survey Water-Supply Paper 538, 1924.

This map has been compiled mainly from photogeologic data but has not been checked in the field; hence it may not have the benefit of thoughtful evaluation with respect to maps compiled entirely from field data.