

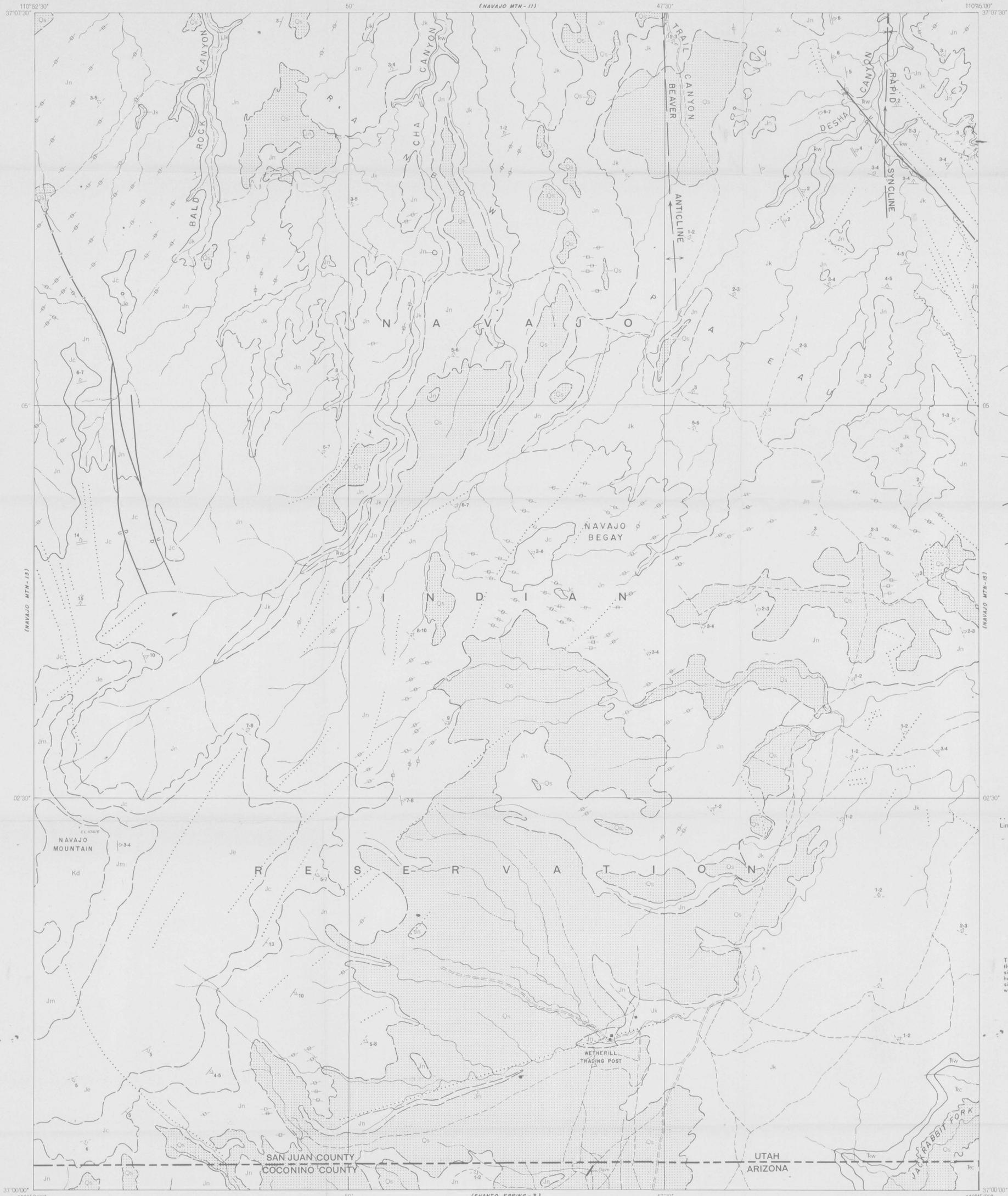
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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

PHOTOGEOLOGIC MAP, NAVAJO MOUNTAIN -14
UTAH-SAN JUAN COUNTY
ARIZONA-COCONINO COUNTY
TRACE ELEMENTS MEMORANDUM REPORT 936



EXPLANATION

- Os Surficial deposits
 - Kd Dakota sandstone
 - Jm Morrison formation
 - Je Entrada sandstone
 - Jt Carmel formation
 - Jn Navajo sandstone
 - Jk Kayenta formation
 - Jw Wingate sandstone
 - Jc Chinle formation
- CRETACEOUS QUATERNARY
JURASSIC
JURASSIC(?)
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.
Questioned where probable.
- Anticline
Showing crest line and direction of plunge
Approximately located.
- Syncline
Showing trough line and direction of plunge
Approximately located.
- Strike and dip of beds
Based on field measurement.
- 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
- County boundary
- Secondary road
- Trail

This map does not join Navajo Mountain 13, to the west. Geographic features are better positioned on Navajo Mountain 14 as more reliable horizontal control (1953) has been obtained since the base map for Navajo Mountain 13 was compiled (1952).

Base map compiled by U. S. Geological Survey from vertical aerial photographs.
The aerial photographs used for photogeologic interpretation were taken in October, 1952.
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.

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

NAVAJO MOUNTAIN QUADRANGLE

PHOTOGEOLOGY BY R. J. HACKMAN
SCALE 1:24,000
JUNE 1956

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 Bull. 865, 1936. Geographic and geologic field data also from Bull. 865. This map has been compiled mainly from photogeologic data but has not been checked in the field.

NAVAJO MOUNTAIN -13

NAVAJO MOUNTAIN -15

File of (200) 16/2/200