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 U.S. GEOLOGICAL SURVEY  
 DENVER  
 GEOLOGIC DIVISION

DEPARTMENT OF THE INTERIOR  
 UNITED STATES GEOLOGICAL SURVEY

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

PHOTOGEOLOGIC MAP, NAVAJO MOUNTAIN-15  
 UTAH-SAN JUAN COUNTY  
 ARIZONA-NAVAJO COUNTY  
 TRACE ELEMENTS MEMORANDUM REPORT 935



EXPLANATION

- Qs Surficial deposits QUATERNARY
- Jn Navajo sandstone JURASSIC(?)
- Jk Kayenta formation JURASSIC(?)
- Tw Wingete sandstone TRIASSIC
- Rc Chinle formation 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

- Resistant bed within a formation May be traceable only locally

- Fault U, upthrown side; D, downthrown side Dashed where approximately located, dotted where concealed Questioned where probable

- 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

- Slate boundary
- Trail

Base map modified from U. S. Geological Survey preliminary topographic map, Navajo Mtn. 4 SW quadrangle, Utah-Ariz. The aerial photographs used for photogeologic interpretation were taken in September 1962.

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  
 JANUARY 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, 1926. Geographic and geologic field data from Bull. 865, U. S. Geol. Survey Prof. Paper 164, 1931, 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.