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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 -1  
 UTAH-SAN JUAN COUNTY  
 TRACE ELEMENTS MEMORANDUM REPORT 240



EXPLANATION

- |    |
|----|
| Qs |
|----|

 Surficial deposits
  - |    |
|----|
| Jc |
|----|

 Carmel formation
  - |    |
|----|
| Jn |
|----|

 Navajo sandstone
  - |    |
|----|
| Jk |
|----|

 Kayenta formation
  - |    |
|----|
| Jw |
|----|

 Wingate sandstone
- 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.
  - Syncline  
 Showing trough line and direction of plunge  
 Approximately located.
  - 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.
  - Gravel pit
  - Secondary road
  - Trail

This map does not join Navajo Mountain 2, to the west. Geographic features are better positioned on Navajo Mountain 1 as more reliable horizontal control (1954) has been obtained since the base map for Navajo Mountain 2 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 September 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.

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

NAVAJO MOUNTAIN  
 QUADRANGLE

PHOTOGEOLOGY BY A. B. OLSON  
 SCALE 1:24,000  
 FEBRUARY 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 Prof. Paper 278, 1935; U. S. Geol. Survey Prof. Paper 189, 1938; U. S. Geol. Survey Bull. 865, 1936; and U. S. Geol. Survey Mineral Inv. Field Studies Map MF 1043 (in preparation). Geographic and geologic field data also from Prof. Paper 189, 1938 and Mineral Inv. Field Studies Map, MF 1043 (in preparation).  
 This map has been compiled mainly from photogeologic data but has not been checked in the field.