52-120

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

COMPILATION OF PHOTOGEOLOGY AND SURFACE GEOLOGY COLORADO PLATEAU AREA, UNITED STATES

TRACE ELEMENTS MEMORANDUM REPORT 440

110°07'30" 110°05'00" 110°02'30" 110°00'00"
36°52'30" 36°50'00" 36°47'30" 36°45'00"

EXPLANATION

SEDIMENTARY ROCKS

	Qal — Largely alluvium and wind-blown sand	QUATERNARY
Upper	Jmb — Bluff sandstone member of the Morrison formation (May in part be overlain by Salt Wash sandstone member)	JURASSIC
Middle	Jsr — San Rafael group undifferentiated	
	Jn — Navajo sandstone	
	Jk — Kayenta formation	
	Jw — Wingate sandstone	JURASSIC (?)
Upper	Trc — Chinle formation	
	Trs — Shinarump conglomerate	TRIASSIC
Lower	Trm — Moenkopi formation	
	Pcd / Pcor — Cutler formation; DeChelly sandstone member, Pcd; Organ Rock tongue, Pcor	PERMIAN

IGNEOUS ROCKS

Ti — Plugs and dikes — TERTIARY

Contact
(Can be accurately located within 30 feet horizontally)

Contact
(Cannot be located accurately; probable error greater than 200 feet)

Strike and dip of beds
(Based on photo-interpretation)

Strike of approximately vertical joint system
(Based on photo-interpretation)

Primary road

Secondary road

Trail

Fence

Note: In this area the Wingate sandstone is composed of an upper eolian facies and a lower thin-bedded sandstone-siltstone facies. Although these two units can be locally differentiated on aerial photographs, they are mapped here as a single formation.

Planimetric base map compiled by U. S. Geological Survey from photomosaics prepared by Fairchild Aerial Surveys and from other aerial photographs.

JUNE 1952

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

AGATHLA PEAK QUADRANGLE

TRUE NORTH 14°30'

PHOTOGEOLOGIC MAP
AGATHLA PEAK-8
NAVAJO INDIAN RESERVATION
NAVAJO COUNTY, ARIZONA

PHOTOGEOLOGY BY R. G. RAY
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000
0 1 MILE

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Stratigraphic column for this area modified from U. S. Geol. Survey Bull. 365 and U. S. Geol. Survey unpublished maps.