



EXPLANATION

- SEDIMENTARY ROCKS**
- Qal
Largely alluvium, and wind-blown sand
 - Jn
Navajo sandstone
 - Jk
Kayenta formation
 - Jw
Wingate sandstone
 - Rc
Chinle formation
 - Rs
Shinarump conglomerate
 - Rm
Moenkopi formation
 - Pcd
DeChelly sandstone member of the Cutler formation
- IGNEOUS ROCKS**
- Tl
Dikes and Plugs
 - Te
Extrusive rocks

QUATERNARY
JURASSIC (?)
TRIASSIC
PERMIAN
TERTIARY

- Contact**
(Can be accurately located within 30 feet horizontally)
- Contact**
(Can be approximately located within 30 to 200 feet horizontally)
- Contact**
(Cannot be located accurately; probable error greater than 200 feet)
- Probable or doubtful contact**
- Probable or doubtful fault**
- Strike and dip of beds**
(Based on photo-interpretation)
- Horizontal beds**
- Strike of approximately vertical joint system**
(Based on photo-interpretation)
- Primary road**
- Secondary road**
- Trail**

Note: In the area of this map the Hoskinnini tongue of the Cutler formation is present between the DeChelly sandstone member and the Moenkopi formation, but is very thin and has not been differentiated from the Moenkopi formation.

The Wingate sandstone in this area is composed of an upper eolian facies and a lower thin-bedded sandstone-siltstone facies. These two units can be locally differentiated on aerial photographs but have been 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.

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

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

AGATHLA PEAK QUADRANGLE

PHOTOGEOLOGIC MAP
AGATHLA PEAK-7
NAVAJO INDIAN RESERVATION
NAVAJO COUNTY, ARIZONA
PHOTOGEOLOGY BY R. G. RAY
PHOTO GEOLOGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000

OCTOBER 1952

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 Survey unpublished maps

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