



EXPLANATION

Qal

Valley fill, alluvium, and  
wind-blown sand

Jn

Navajo sandstone

Jk

Kayenta formation

Jw

Wingate sandstone

Rc

Chinle formation

Rs

Shinarump conglomerate

Tm

Moenkopi formation

Pch

Pcd

Pcor

Cutler formation

Hoskinnini tongue, Pch,  
DeChelly sandstone member,  
Pcd, Organ Rock tongue, Pcor

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

Anticline  
Showing trace of axial plane

Strike and dip of beds  
(Based on field measurement)

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

Horizontal beds

Dip component

Strike of approximately vertical  
joint system

(Based on photo-interpretation)

Secondary road

State boundary

Note: East and west of Skeleton  
Mesa the Shinarump conglomerate  
is not recognizable on aerial  
photographs. In this area it  
either thins, pinches out, or is  
covered by slope wash.

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

JUNE 1952

AGATHLA PEAK  
QUADRANGLE

PHOTOLOGIC MAP  
AGATHLA PEAK-4  
NAVAJO INDIAN RESERVATION  
NAVAJO COUNTY, ARIZONA  
PHOTOLOGY BY R.J. HADKMAN  
PHOTOLOGY UNIT, ALASKAN GEOLOGY BRANCH  
SCALE 1:24,000

Stratigraphic column modified from U. S. Geol. Survey Bull.  
865; U. S. Atomic Energy Commission Raw Materials Rept. RMO  
902, March 1952; and U. S. Geol. Survey unpublished map.

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