



EXPLANATION

Jn	Navajo sandstone	JURASSIC (?)
Jk	Kayenta formation	
Jw	Wingate sandstone	
Rc	Chinle formation	
Rm	Shinarump conglomerate	TRIASSIC
Pch	Moenkopi formation	PERMIAN
Pcd	Cutter formation	
Pcd	Hoskinnin tongue, Pch DeChelly sandstone member, Pcd	

- 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
- U D High-angle fault
(U, upthrown side; D, downthrown side)
- ↔ Anticline
Showing trace of axial plane
- ↘ Strike and dip of beds
(Based on photo-interpretation)
- Dip component
- == Secondary road
- Trail

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

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

SHANTO SPRING QUADRANGLE

PHOTO GEOLOGIC MAP
SHANTO SPRING-1
NAVAJO INDIAN RESERVATION
NAVAJO COUNTY, ARIZONA
PHOTO GEOLOGY BY W. A. FISCHER and W. H. CONDON
PHOTO GEOLOGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000

Stratigraphic column for this area modified from U.S. Geol. Survey Bulletin 865.