



EXPLANATION

SEDIMENTARY ROCKS

Quaternary

- Qal Alluvium and wind-blown sand
- Tc Chinle formation
- Ts Shinarump conglomerate

Triassic

- Pm Moenkopi formation

Permian

- Pcd Cutler formation
- Pcor DeChelly sandstone member, Pcd; Organ Rock tongue, Pcor; Cedar Mesa sandstone member, Pcc; Hajoito tongue, Pcha
- Pcc
- Pcha

Triassic

- Ti Igneous rock

Dikes

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)

Doubtful or probable syncline

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)

Primary road

Secondary road

Trail

Fence

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

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

CLAY HILLS QUADRANGLE

**PHOTOGEOLOGIC MAP
CLAY HILLS-16**
NAVAJO INDIAN RESERVATION
SAN JUAN COUNTY UTAH
PHOTOGEOLOGY BY C. E. BATES & W. H. ECKSTEIN
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000

Stratigraphic column modified from U. S. Geological Survey Bull. 865.