



EXPLANATION

Qs

Surficial deposits

Jn

Navajo sandstone

Jk

Kayenta formation

May include the Lamb Point tongue of the Navajo sandstone

Tms

Tmm

Tmv

Tml

Moenkopi formation
Shinarump member, Tms;
Middle red member, Tmm;
Virgin limestone member, Tmv;
Lower red member and
Timpoweap member,
undifferentiated, Tml
(Upper red member is covered
by surficial deposits.)

Pk

Kaibab limestone

Contact
Can be located
within 30 feet horizontally.

Contact
Can be located
within 30 to 200 feet horizontally

Contact
Cannot be located accurately, probable
error greater than 200 feet horizontally

Conspicuous bed
within a formation
May be traceable only locally

Fault
U, upthrown side; D, downthrown side.
Dashed where approximately located;
dotted where concealed.
Questioned where probable.

Strike and dip of beds
Computed by photogrammetric methods.

Approximate strike and dip of beds
Based on photointerpretation.

Horizontal beds

Strike of approximately vertical joints
Based on photointerpretation.

Linear feature uninterpretable on photograph
May be geologically significant.

Reservation boundary
Approximate location.

Primary road

Secondary road

Trail

Fence

Base map compiled by U. S. Geological Survey from vertical
aerial photographs.
The aerial photographs used for photogeologic interpre-
tation were taken in 1953.
Roads as classified in this map series are as follows:
Primary roads are maintained and graded, traversable by
two-wheel-drive vehicles; secondary roads are traversable
possibly by two-wheel-drive vehicles; trails are not
traversable by four-wheel-drive vehicles except locally.
When other information is lacking, roads are classified
by their appearance on aerial photographs.

NW NE
SW SE
FREDONIA

15-MINUTE QUADRANGLE

1:25,000
Scale

PHOTOGEOLOGIC MAP
OF THE
FREDONIA SW QUADRANGLE
MOHAVE COUNTY, ARIZONA
By
C. H. Marshall
Scale 1:25,000

This preliminary report is distributed without
editorial and technical review for conformity
with official standards and nomenclature.
It is not for public inspection or quotation.

Stratigraphic column for this area modified from Geol.
Soc. America Mem. 61, 1954 and U. S. Geol. Survey Prof.
Paper 220, 1954; stratigraphic and geologic field data
from Prof. Paper 220 and F.W.A. Public Roads Adm.,
Arizona Transp. Map no. 2, 1944.
This map has been compiled mainly from photogeologic
data but has not been checked in the field.