DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

MISCELLANEOUS FIELD STUDIES
MAP MF-1959
SHEET 2 OF 2
PAMPHLET ACCOMPANIES MAP

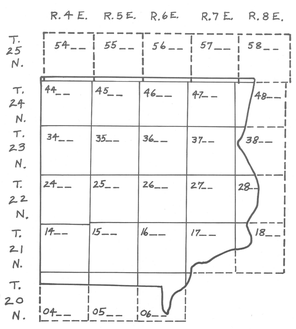


SCALE 1:50 000

1 ½ 0 1 2 3 MILES

1 .5 0 1 2 3 KILOMETERS

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929



INDEX TO TOWNSHIP AND RANGE BOUNDARIES AND FIRST TWO DIGITS OF SAMPLE IDENTIFICATION NUMBERS

MAP B.–BASALT TYPES, MAGNETIC POLARITIES, AND SAMPLE LOCALITIES

EXPLANATION FOR MAP B

[Geologic linework is shown. See Map A for geologic map symbols and other geologic annotation]

BASALT LITHOLOGIC TYPES--See "Basalt Types" for full description. Where more than one type is indicated, first letter denotes predominant type. Type k is not present in Central map area

a	Picritic basalt
b	Clinopyroxene-olivine-phyric basalt
c	Clinopyroxene-phyric basalt
d	Olivine-phyric basalt
e	Plagioclase-phyric basalt
f	Quartz basalt
g	Microporphyritic olivine basalt
h	Aphyric basalt
i	Slightly porphyritic basalt
j	Clinopyroxene-rich basalt
•2415	LOCALITY OF ANALYZED ROCK SAMPLE, SHOWING SAMPLE NUMBER--See "Mapping and Map Conventions" for explanation of numbering system

MAGNETIC POLARITY--Placement of letter or end of leader marks magnetic-polarity sampling locality

N	Normal
R	Reversed
(2429)	SAMPLE NUMBER FOR MAGNETIC-POLARITY DETERMINATION--See "Mapping and Map Conventions" for explanation of numbering system

INSET MAP
(Scale 1:24,000)

Samples DC03A, -B, -C (oldest) through DC57 (youngest) represent individual extrusive units in a continuously exposed stratigraphic section of the older andesite of San Francisco Mountain (Qal). Magnetic polarity, determined for many of the individual extrusive units in this stratigraphic section, is normal.

GEOLOGIC MAP OF THE CENTRAL PART OF THE SAN FRANCISCO VOLCANIC FIELD, NORTH-CENTRAL ARIZONA

By

Edward W. Wolfe, George E. Ulrich, Richard F. Holm, Richard B. Moore, and Christopher G. Newhall

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