

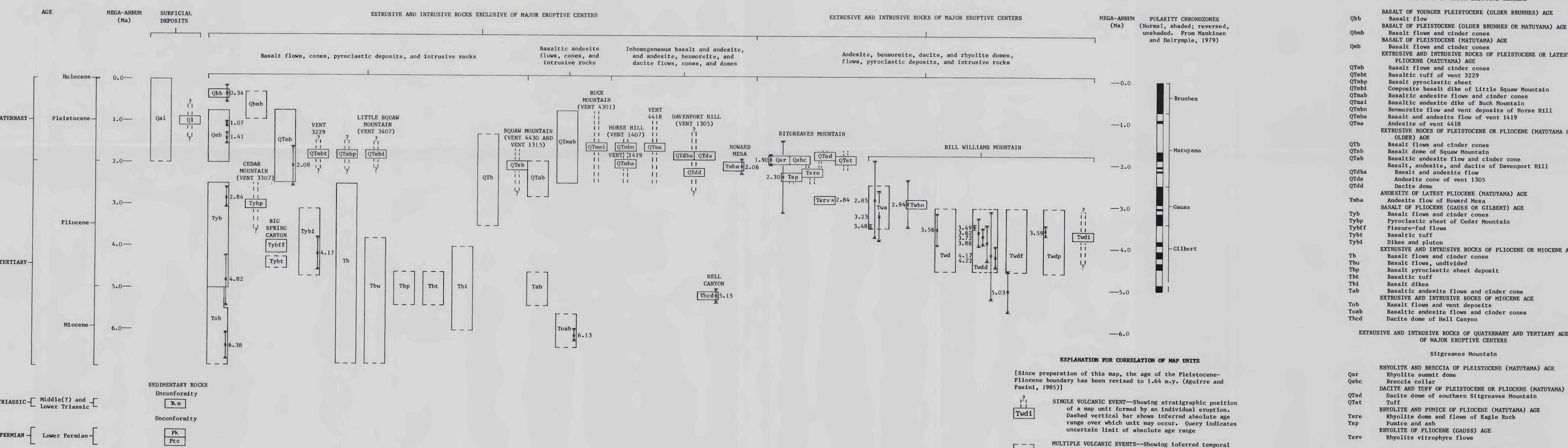
Base from U.S. Geological Survey  
1:62,500, Hill Williams Mountains and  
Heart Mountain, 1962; Williams, 1960;  
1:25,000 (preliminary version), McMillan  
Reservoir, 1978

SCALE 1:50,000  
CONTOUR INTERVAL 40 FEET  
DOTTED LINE REPRESENTS 500-FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1989

Geology mapped in 1976-1979.  
(Also see fig. 1.)

MAP A-GEOLOGY

CORRELATION OF MAP UNITS



EXPLANATION FOR MAP A

CONTACT—Distinction between geologic units and between individual flows and vent deposits in chronostratigraphic groups. Where known, relative ages of adjacent volcanic units are interpreted from field relations: a, older; y, younger.

FAULT—Dashed where approximately located or inferred; dotted where concealed. Bar and hatch on downthrown side.

LIMIT OF GEOLOGIC MAPPING

3,594-13 SAMPLE LOCALITY FOR K-Ar AGE DETERMINATION—Showing age of rock sample in its (age-group) and analytical precision (one standard deviation).

V3307 VENT NUMBER—See "Mapping and Map Conventions" for explanation of numbering system.

3307 FLOW OR PYROCLASTIC DEPOSIT FROM VENT 3307—See "Mapping and Map Conventions" for explanation of numbering system. Quoted where source inferred.

EXPLANATION FOR CORRELATION OF MAP UNITS

[Since preparation of this map, the age of the Pliocene-Pleistocene boundary has been revised to 1.64 m.y. (Aguirre and Fialco, 1985)]

SINGLE VOLCANIC EVENT—Showing stratigraphic position of a map unit formed by an individual eruption. Dashed vertical bar shows inferred absolute age range over which unit may occur. Query indicates uncertain limit of absolute age range.

MULTIPLE VOLCANIC EVENTS—Showing inferred temporal duration and stratigraphic position of a map unit representing several depositional events. Dashed horizontal boundary indicates uncertainty in position in top or bottom of unit.

K-Ar AGE IN m (MGA-ANR)—Showing limits of precision (one standard deviation).

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

By  
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