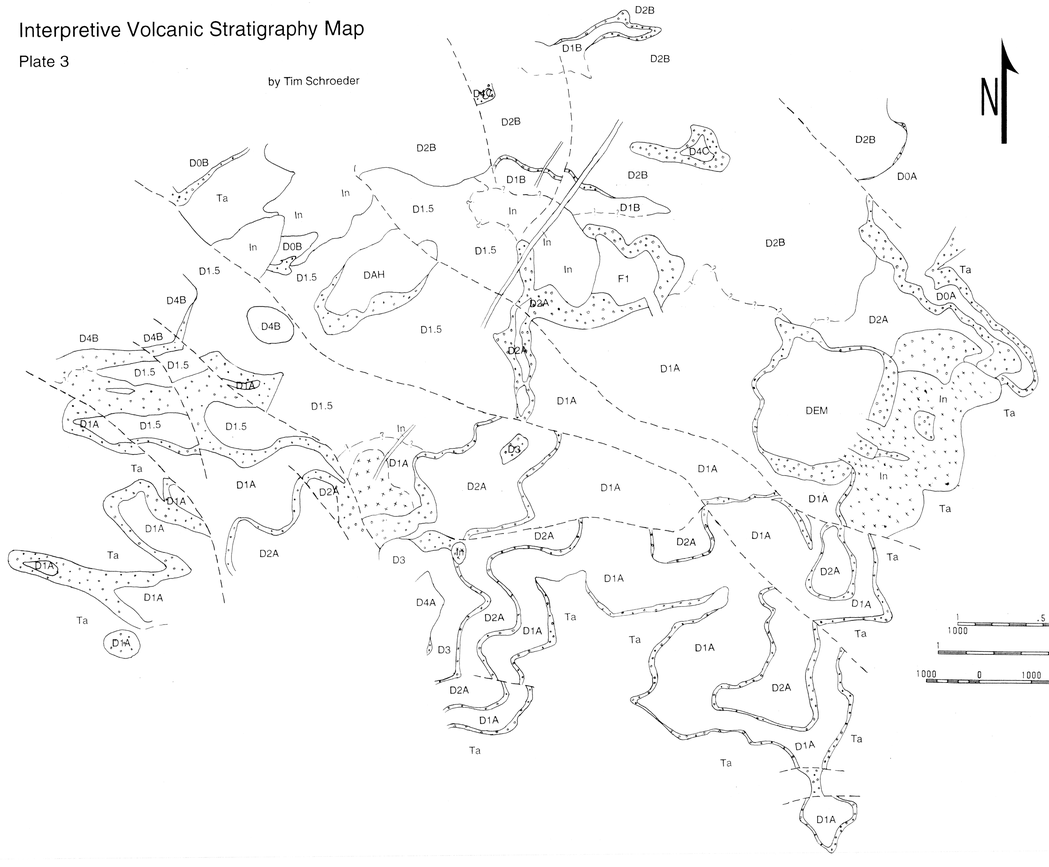
Interpretive Volcanic Stratigraphy Map

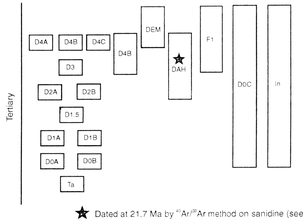
Plate 3

by Tim Schroeder



Explanation

Map Units:



★ Dated at 21.7 Ma by $^{40}Ar/^{39}Ar$ method on sanidine (see text, Chapter 1).

Rock Descriptions:

D0 to DEM — Rhyolite Domes: Includes tuff and flow facies of autobreccia, vitrophyre and devitrified rhyolite

F1 — Rhyolite Lava Flow: Composed primarily of devitrified rhyolite. Flow was in one direction rather than all directions as with domes.

In — Rhyolitic Shallow Intrusions: Shallow intrusions made up of white, highly friable stoney rhyolite. Intrusions have 1-2 meter thick vitrophyre margins.

Ta — Tertiary Andesite: Includes andesitic lava flows and block-and-ash flow deposits

Map Symbols:

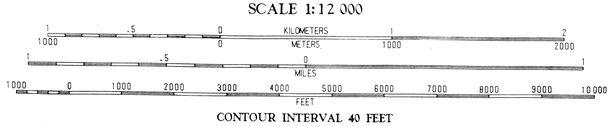
Tuff: Indicates tuffaceous facies of dome

Vent: Indicates vent area

Contact: dashed where approximate, question marks where uncertain

Fault: dashed where approximate

SCALE 1:12 000

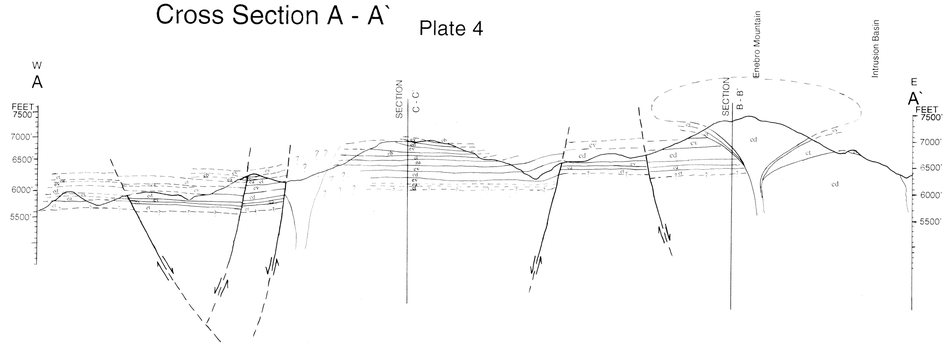


CONTOUR INTERVAL 40 FEET

To convert feet to meters multiply by .3048
To convert meters to feet multiply by 3.2808

Cross Section A - A`

Plate 4

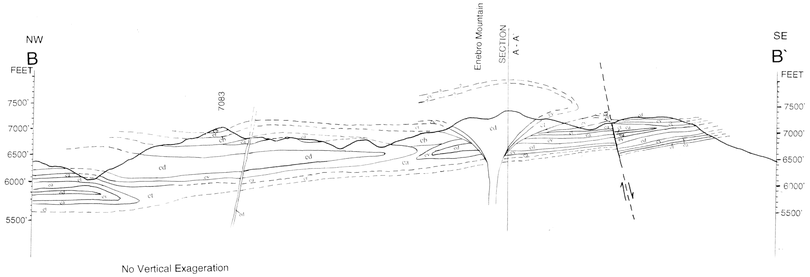


No Vertical Exageration

See Plate 2 For Explanation

Cross Section B - B`

Plate 5

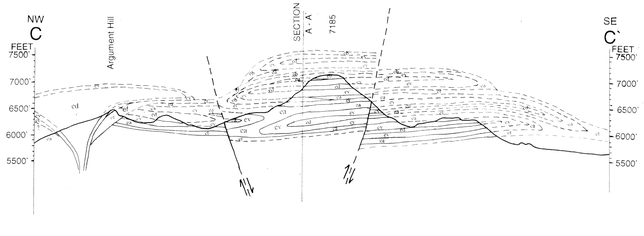


No Vertical Exageration

See Plate 2 For Explanation

Cross Section C - C`

Plate 6



No Vertical Exageration

See Plate 2 For Explanation

ARIZONA GEOLOGICAL SURVEY
CONTRIBUTED MAP CM-96-A
sheet 2 of 2