

# Geologic Map of the Enebro Mountain Rhyolite

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Plate 2

## EXPLANATION

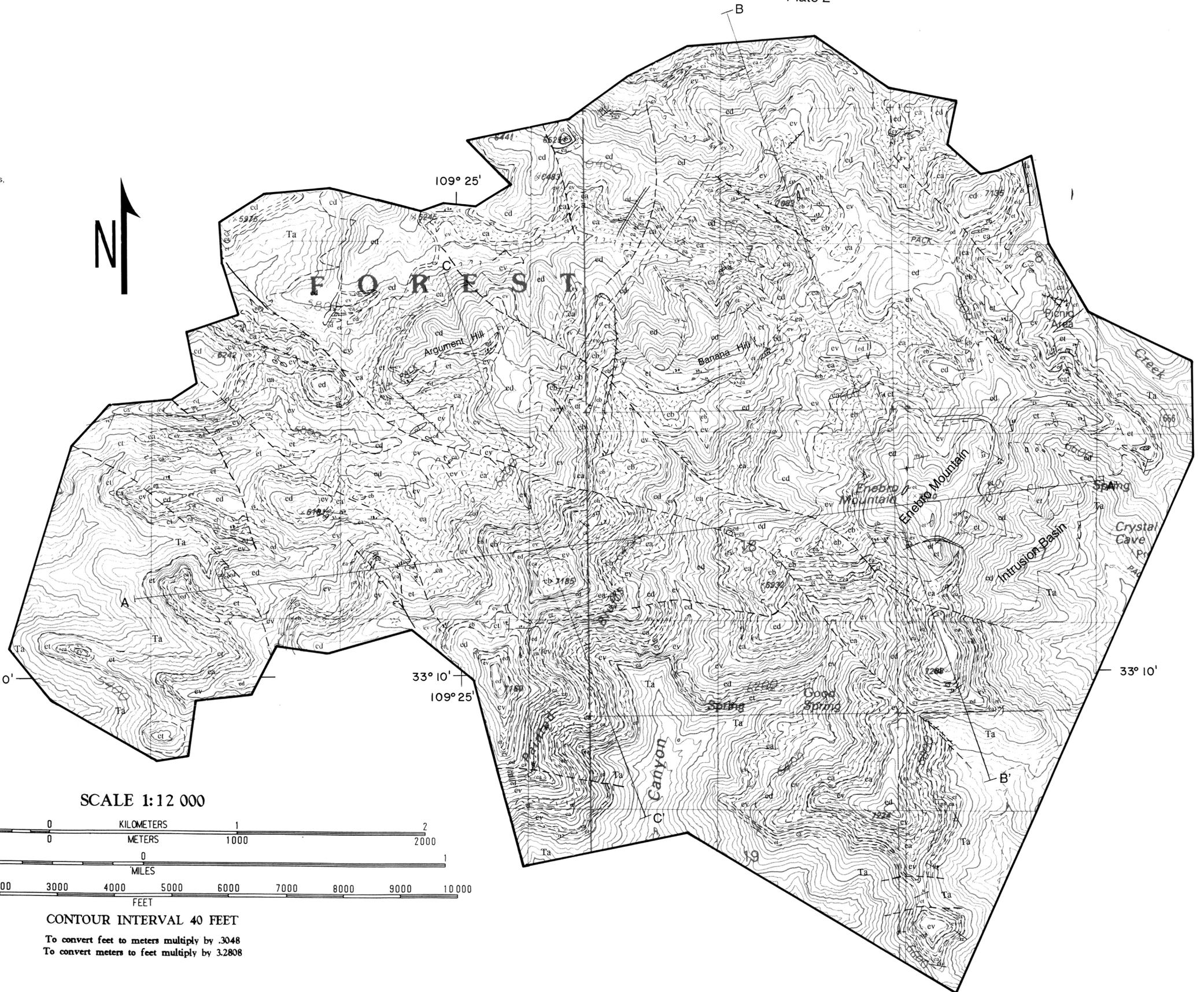
### MAP UNITS

**Rhyolite of Enebro Mountain (Tertiary)** - Rhyolite domes, flows and shallow intrusions and associated pyroclastic deposits. Aphric or sparsely porphyritic. Major phenocrysts are plagioclase with minor amounts of quartz and biotite. K-Ar and Ar-Ar ages approximately 21 Ma.

- ed **Devitrified Rhyolite** - pinkish brown to light gray stoney rhyolite. Typically flow banded and sometimes extremely friable on flow-foliation planes. Contains spherulites and lithophysae near zones of devitrification.
- ev **Vitrophyric Rhyolite** - Dense dark grey to black glass. Has been hydrated to perlite in nearly all locations, and is locally altered. Usually outcrops as massive black ledges.
- eb **Unaltered Autobreccia** - Breccia containing 0.5 - 50 cm clasts of stoney rhyolite, vitrophyre, or pumice. Matrix is typically made of very finely brecciated rhyolite. Commonly appears at tops of domes high in section.
- ea **Altered Autobreccia** - Yellow or light-grey breccia that has been altered almost beyond recognition of its original state. White to pinkish angular clasts between 0.5 and 4 cm. Original composition of rock appears to have been replaced by phyllosilicate minerals and silica. Appears at base of domes and at tops of domes lower in section.
- ef **Fused Tuff** - Tuff fused at base of domes near vents. Contains variable amounts of vitrophyre in matrix of tuff. Eutaxitic glass at contact with rhyolite lava.
- et **Rhyolitic Tuff** - Light grey to yellow bedded tuff. Contains variable amounts of lithic clasts including rhyolite, andesite and other local rock types. Pumice clasts are also present in variable amounts. Cross bedded or planar. Deposits are locally altered and silicified.
- Ta **Andesite (Tertiary)** - Lava flows and block-and-ash flow deposits, reddish brown in outcrop.

### MAP SYMBOLS

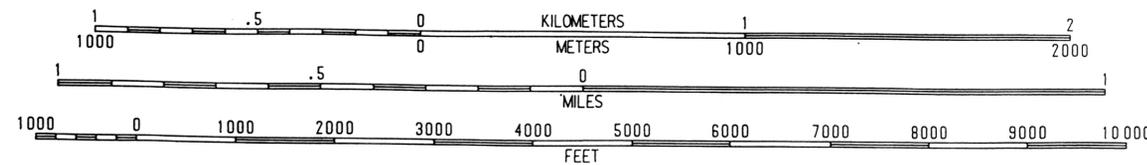
- Contact** - dashed where approximate - question marks where inferred
- Fault** - dashed where approximate
- Dike** - dashed where approximate
- Strike and dip of flow foliation**
- Strike and dip of inclined bedding**
- Breccia** - indicates rock has been brecciated by depositional or post-depositional processes
- Covered Area**



### Location Map



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