Figure 2. A portion of the Geologic Map of the study area illustrating the various geologic units of the site and surrounding area (North Carolina Geological Survey, 2002).

- Volcanic Metaglomerate – Includes Metagreywacke and Metamudstone
- Felsic Metavolcanic Rock – Metamorphosed dacitic to rhyolitic flows and tuffs; light gray to greenish gray; minor mafic to intermediate metavolcanic rock
- Metamorphosed Granitic Rock – Megacrystic, well foliated; locally contains hornblende
- Metamudstone and Meta-Argillite – Thin to thick bedded; bedding plane and axial-planar cleavage common; interbedded with metasandstone, metaconglomerate, and metavolcanic rock.

Images and text courtesy of North Carolina Geologic Survey - http://www.geology.envr.state.nc.us/
Figure 3. Rose diagram illustrating the prominent regional fracture trace orientations.