Detailed Geologic Map of the High Falls, and portions of the Indian Springs and Locust Grove 7.5-minute quadrangles, Georgia

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Rock Unit Descriptions

- Mylonite composed of quartz ribbons and garnet or feldspar plagioclase, and opaques. Found as <0.5 m thick veins containing quartz, plagioclase, and biotite. Mylonite develops in quartz veins, as foliations and schistosity; it is characterized by subparallel mylonitic foliation and a high degree of foliation.

- Metagraywacke-biotite gneiss, light to dark gray, medium- to coarse-grained quartz, plagioclase, microcline, biotite. Contains accessory minerals such as garnet, zircon, apatite, and magnetite. Metagraywacke-biotite gneiss is a foliated metamorphic rock formed from a mixture of sedimentary and igneous materials.

- Biotite-rich, megacrystic, light to dark-gray, weakly to strongly foliated augen gneiss with biotite and plagioclase. Megacrysts of plagioclase, quartz, and biotite are typical of this rock type. Strongly foliated augen gneiss is a foliated metamorphic rock characterized by large feldspar crystals (augen).

- Pine Mountain Window

- Cat Square terrane