

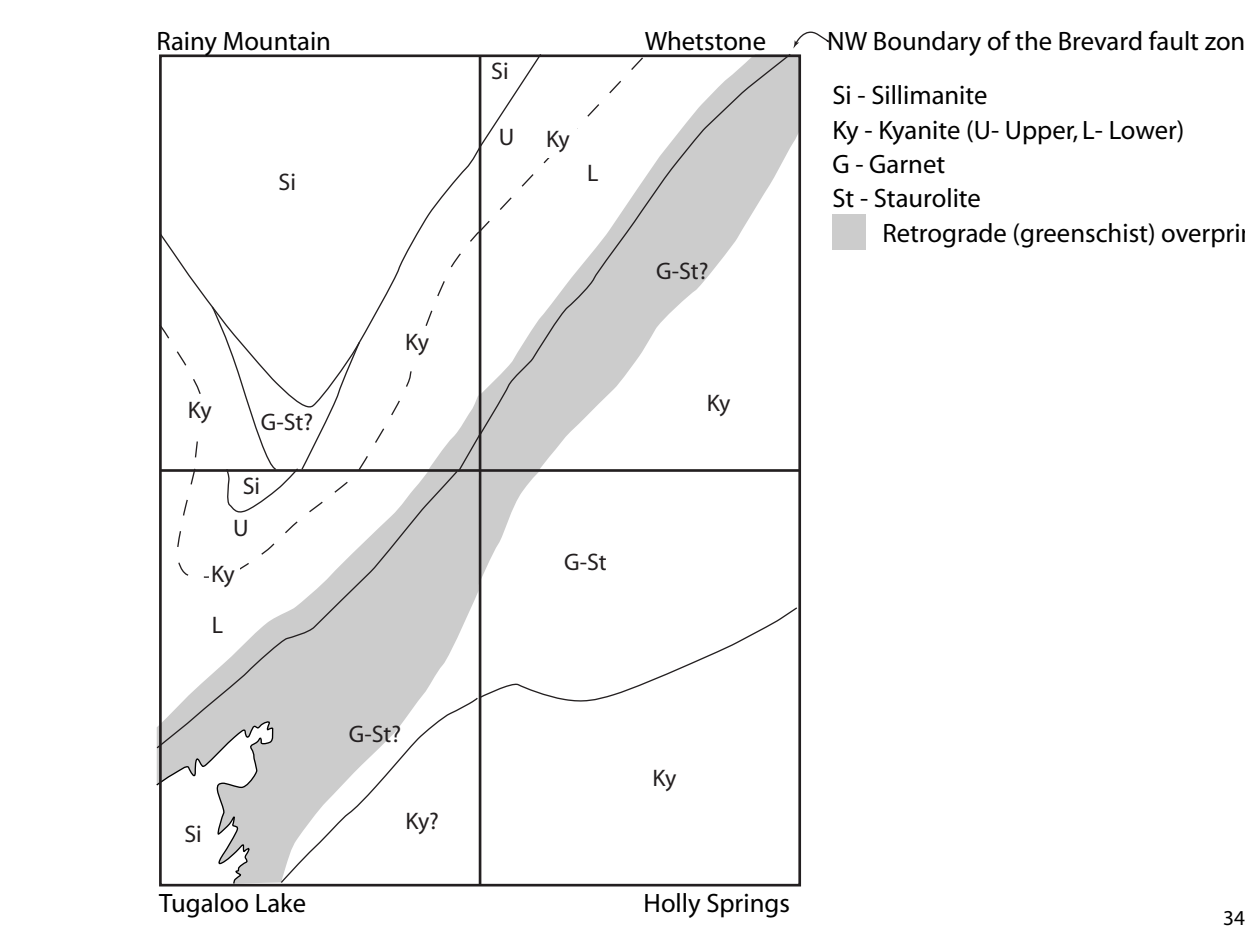
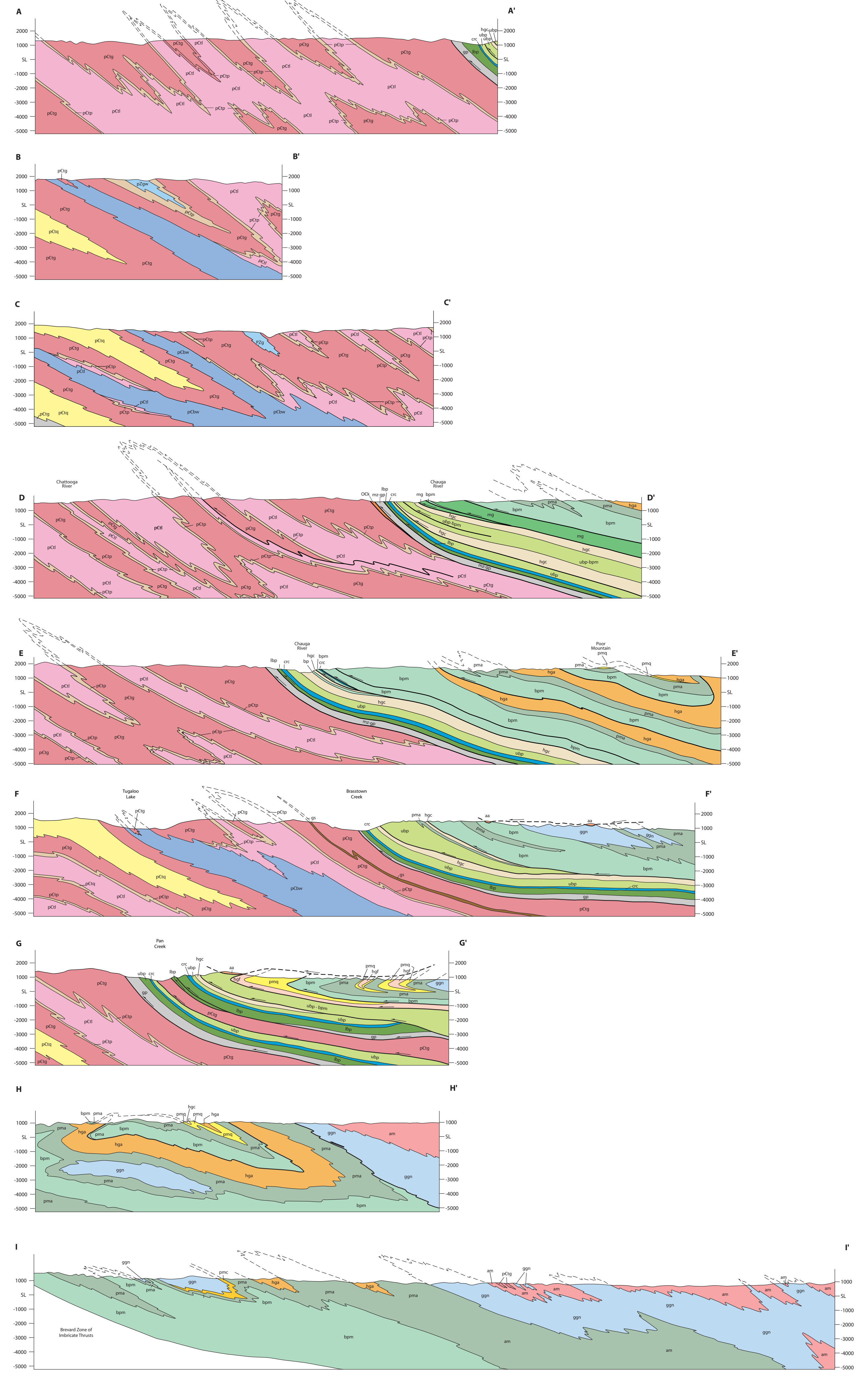
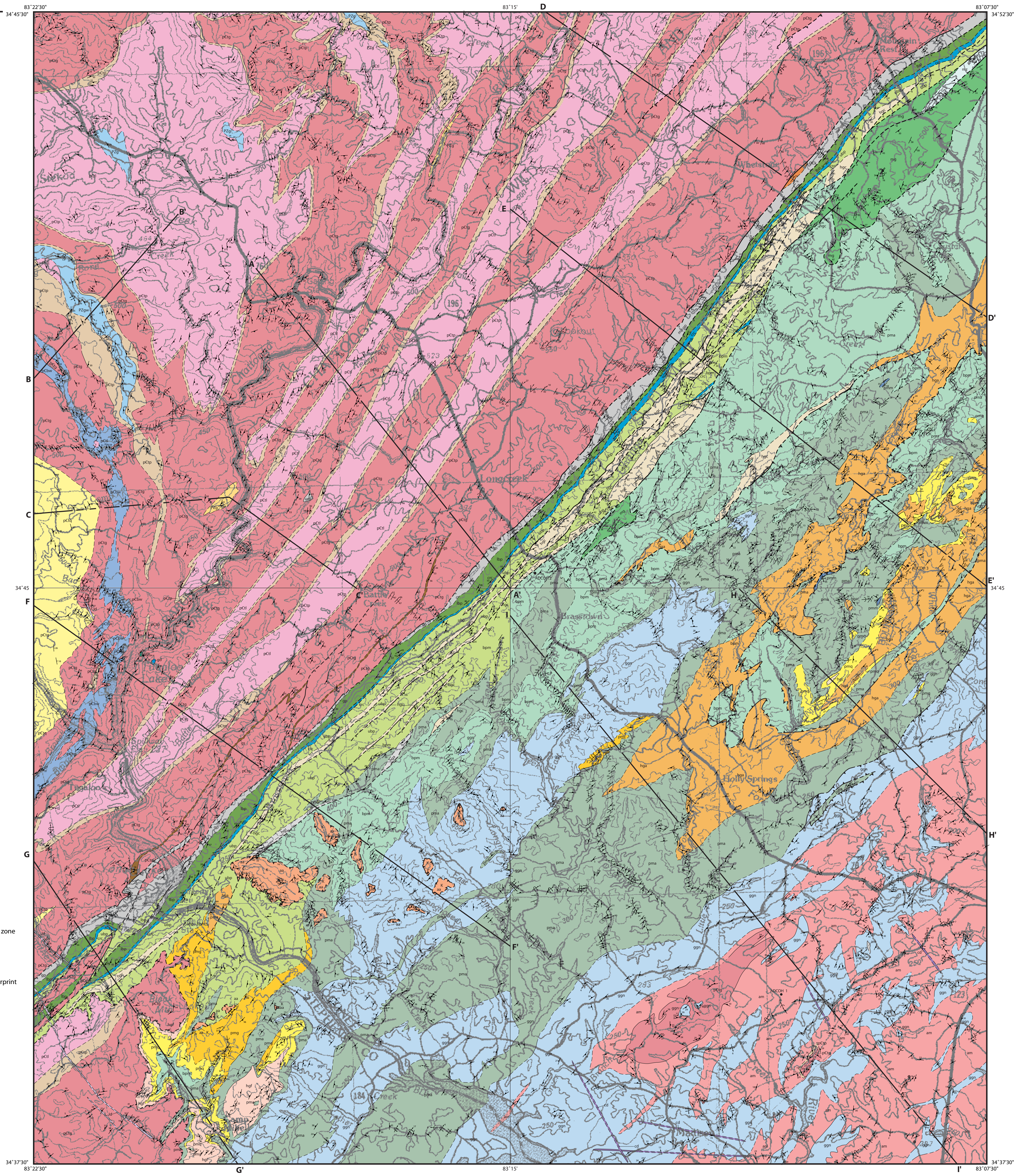
Bedrock Geology of the Rainy Mountain, Whetstone, Tugaloo Lake, and Holly Springs 7.5 minute Quadrangles, Georgia and South Carolina

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2000

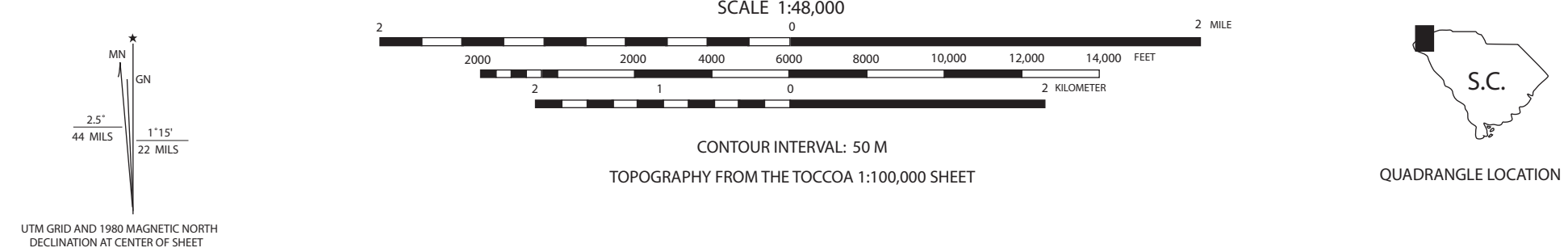
EXPLANATION

- Recent — Sand and gravel deposits along the Chattooga River
- Jurassic — Diabase
- Archaic — Sillified cataclastic dikes
- Blue Ridge**
- Igneous and Metigneous Rocks**
- Ordovician — Granitoid
- Late Proterozoic — Metagabbro and metadiorite
- Cambrian — Ultramafic rocks
- Tallulah Falls Formation**
- Neoproterozoic — Quartzite member
- Neoproterozoic — Graywacke - schist member
- Neoproterozoic — Garnetiferous muscovite schist
- Neoproterozoic — Garnet - aluminous - schist member
- Neoproterozoic — Graywacke - schist - amphibolite member
- Unconformity
- Wiley Gneiss
- Wolf Creek Gneiss
- Inner Piedmont**
- Igneous and Metigneous Rocks**
- Middle Ordovician — Granitoid (~449 Ma)
- Middle Ordovician — Henderson Gneiss (~470 Ma)
- Mylonitic gneiss
- Augen gneiss
- Fine grained gneiss
- Neoproterozoic — Amphibolite
- Poor Mountain Formation**
- Middle Ordovician — Feldspar-quartz-amphibolite gneiss (contact metamorphic zone)
- Middle Ordovician — Quartzite-metatuff member (~459 Ma)
- Marble member
- Cedar Creek Amphibolite Member
- Knox Group**
- Lower Ordovician — Dolomite and limy dolomite (Horse along Rosman fault, Whetstone quad)
- Chauga River Formation**
- Transitional member
- Phyllonite
- Carbonate
- Lower Brevard Phyllonite
- Mylonitic zone containing graphitic phyllonite
- Tallulah Falls Formation**
- undivided (in the Alto allochthon)
- Neoproterozoic — Graywacke - schist member
- Neoproterozoic — Garnet - aluminous - schist - member
- Neoproterozoic — Graywacke - schist - amphibolite member
- Structural Symbols**
- Strike and dip of foliation
- Strike and dip of compositional layering
- Horizontal compositional layering
- Strike of vertical compositional layering
- Strike and dip of overturned compositional layering
- Trend and plunge of mineral lineation
- Trend of horizontal mineral lineation
- Strike and dip of foliation and trend and plunge of mineral lineation
- Trend and plunge of mesoscopic flexural-slip antiform
- Trend and plunge of mesoscopic flexural-slip synform
- Trend and plunge of mesoscopic flowage antiform
- Trend and plunge of mesoscopic flowage synform
- Trend and plunge of mesoscopic flowage antiform and dip of axial plane
- Trend and plunge of mesoscopic flowage synform and dip of axial plane
- Trend and plunge of crenulation axis
- Strike and dip of mesoscopic fold axial surface
- K - Klippe
- Contacts**
- Lithologic — exact, approximate, inferred
- Thrust Fault Early — exact, approximate, inferred
- Thrust Fault Late — exact, approximate, inferred
- Other Symbols**
- Mine, prospect, or quarry (abandoned)
- Crushed Stone
- Blair
- Lime Kiln
- ADCDH 1.2.3.4 - Appalachian Ultradeep Core Hole Project
- Shallow Core Hole
- Metamorphic Isograds**
- Si - Sillimanite
- Ky - Kyanite (U - Upper/L - Lower)
- G - Garnet
- St - Staurolite
- Retrograde (greenschist) overprint



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