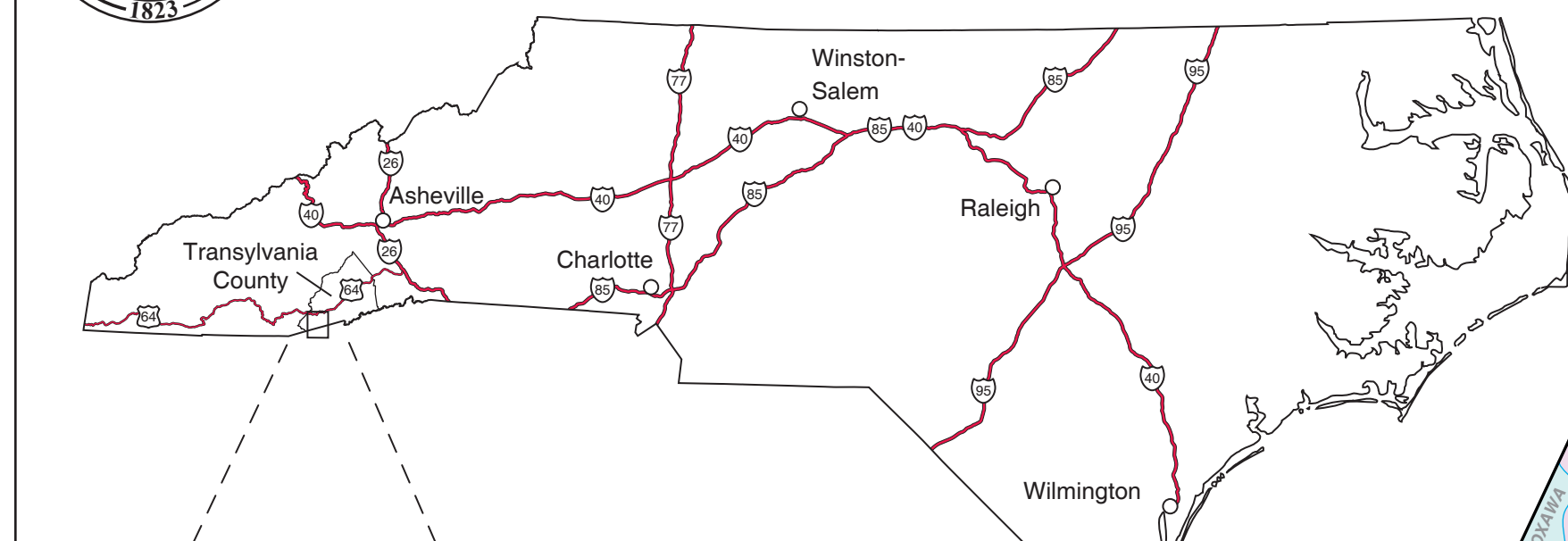
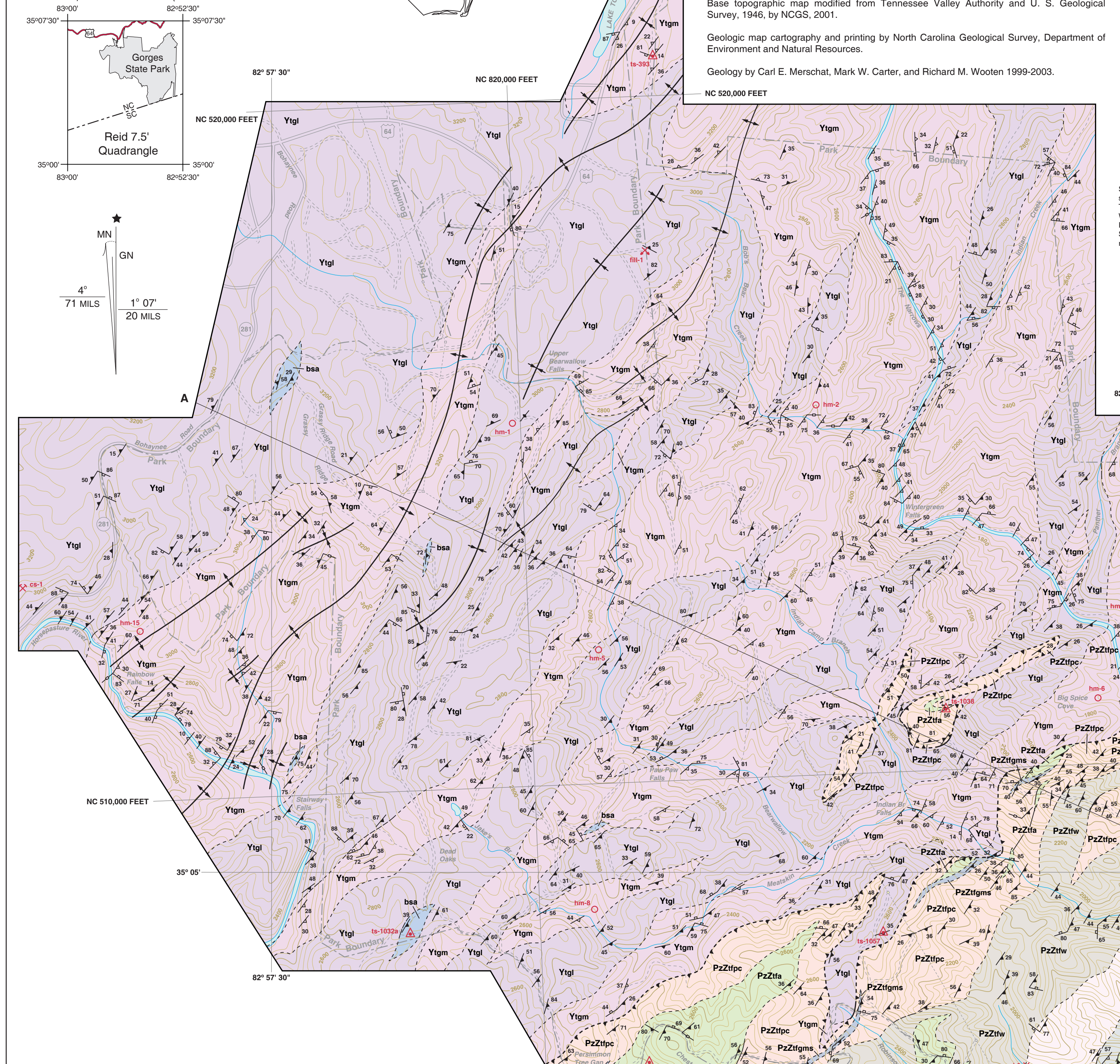


LOCATION OF GORGES STATE PARK, TRANSYLVANIA COUNTY, NORTH CAROLINA



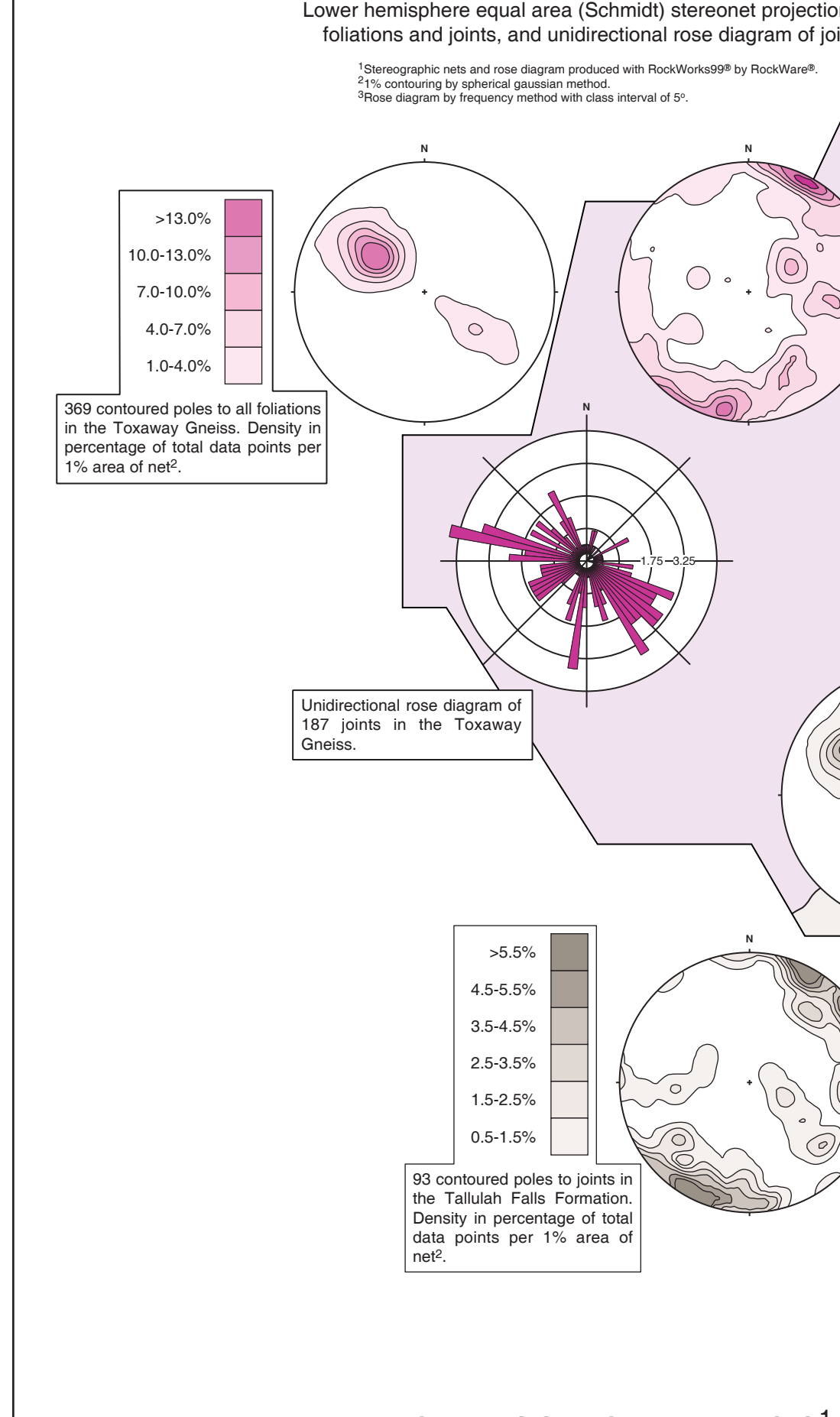
BEDROCK GEOLOGIC MAP OF GORGES STATE PARK, TRANSYLVANIA COUNTY, NORTH CAROLINA BY CARL E. MERSCHAT, MARK W. CARTER, AND RICHARD M. WOOTEN 2003



ACKNOWLEDGEMENTS

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STEREOGRAPHIC ANALYSIS OF STRUCTURAL ELEMENTS



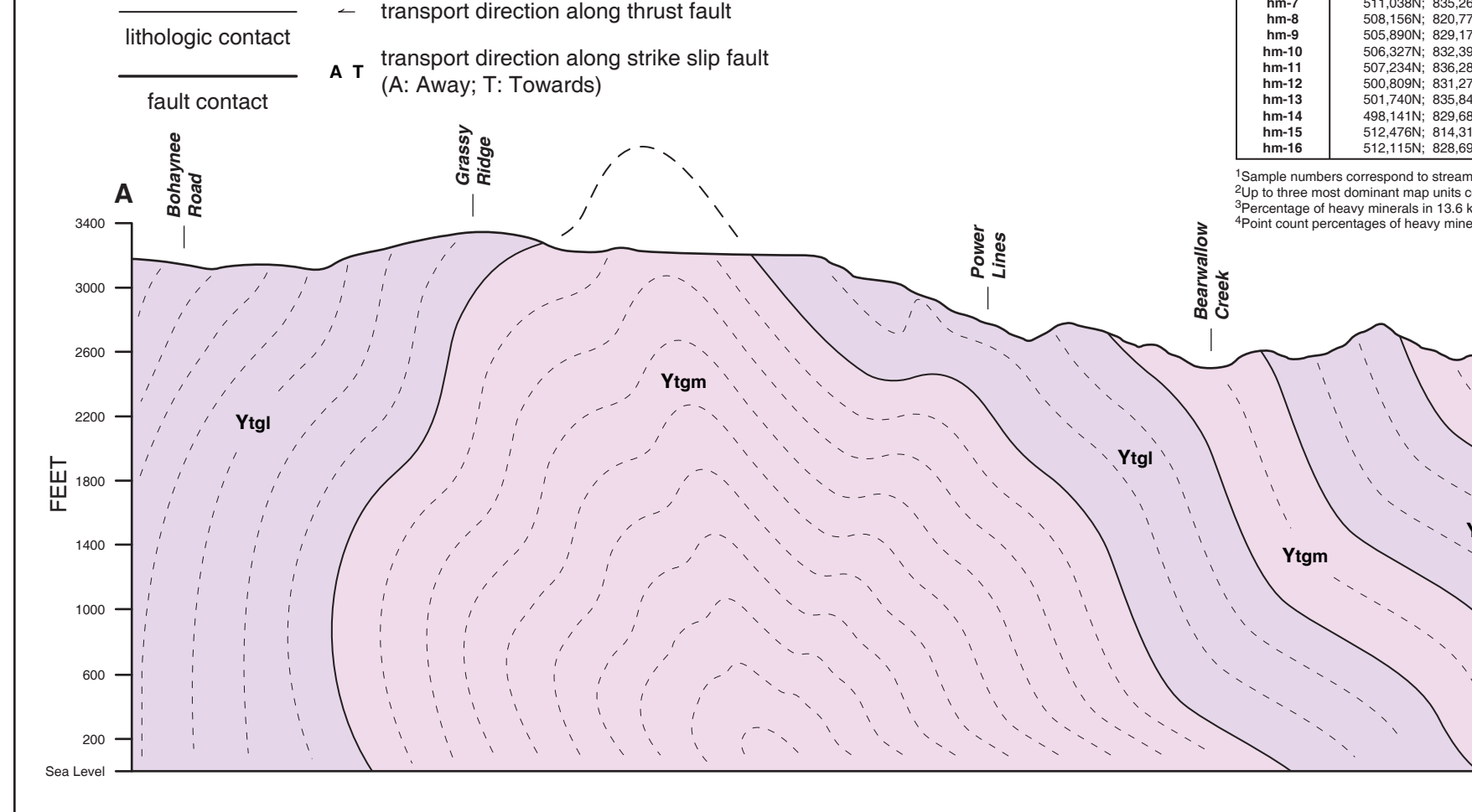
WHOLE ROCK ICP ANALYSIS OF SELECTED SAMPLES

Table with columns: SAMPLE#, NC COORDINATES, ROCK TYPE, MAP UNIT, OXIDES IN PERCENT, and ELEMENTS IN PPM. Lists various sample locations and their geochemical data.

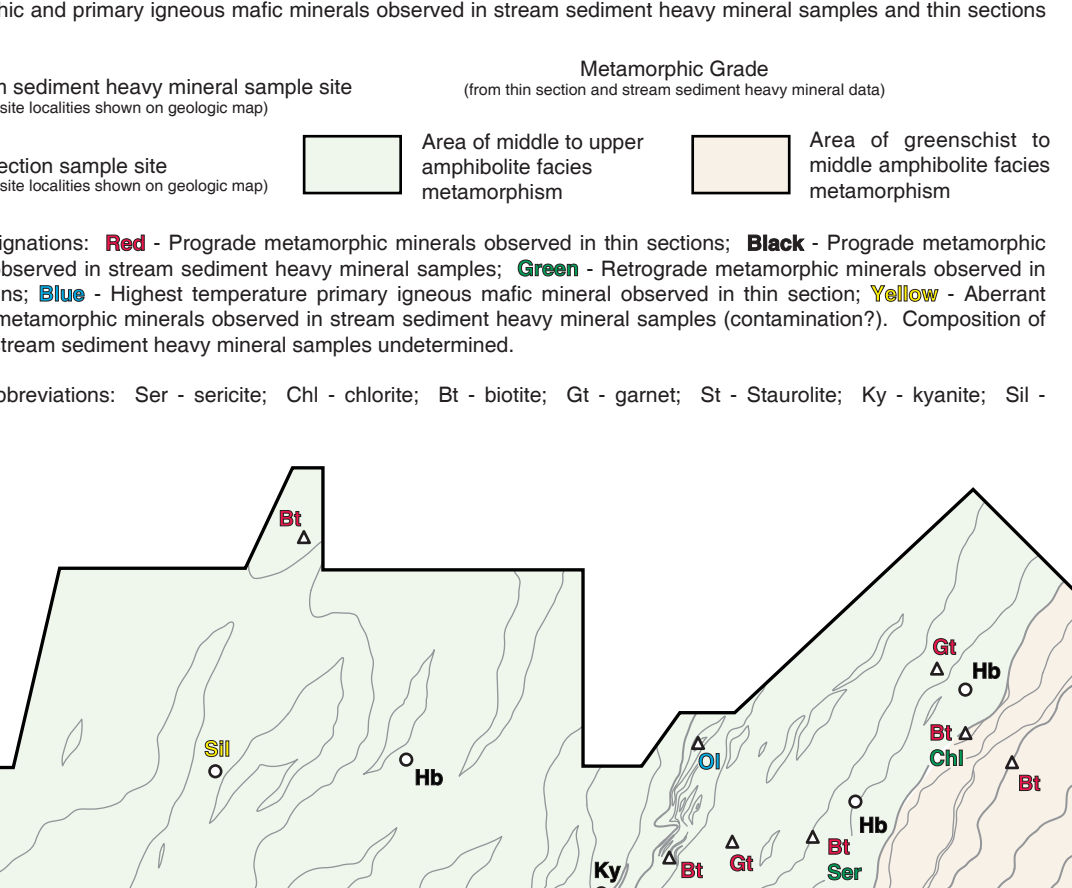
STREAM SEDIMENT HEAVY MINERAL ANALYSIS

Stream sediment heavy mineral analysis was conducted May/October 2001 to aid geologic mapping, better define conditions of metamorphism, and inventory minerals of potential economic significance. Procedure: In the field, approximately 150 g of stream sediment material is panned to approximately 300 g of heavy mineral concentrate at each sample locality.

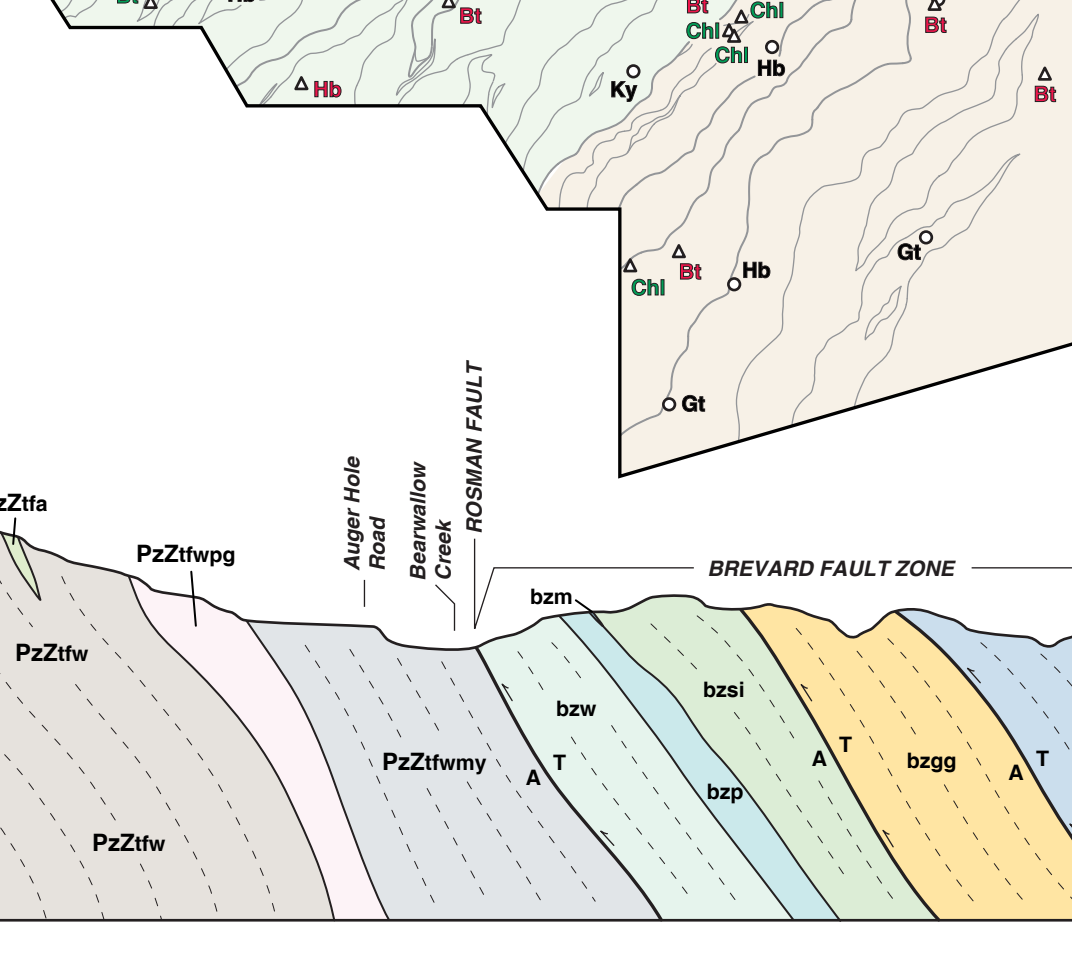
CROSS SECTION A-A'



SKETCH MAP SHOWING ELEMENTS OF METAMORPHIC AND IGNEOUS CONDITIONS



MINERAL RESOURCES



COMMODITY DESCRIPTIONS

Mineral resource inventory, including stream sediment heavy mineral sampling, began in the fall of 1999 to aid geologic mapping and to document mineral commodities of historical and potential economic significance within Gorges State Park and surrounding areas.

ROCKS OF UNCERTAIN AGE AND AFFINITY

Miscellaneous lenses and pods of amphibolite within the Towaway Gneiss are interpreted to be xenoliths and/or younger mafic dikes. Biotite schist and amphibolite (Bs): Black biotite, dark yellow-brown weathered; fine to coarse-grained, inequigranular, biotite schist with amphibolite. Biotite schist and amphibolite (Bs): Black biotite, dark yellow-brown weathered; fine to coarse-grained, inequigranular, biotite schist with amphibolite.

STRUCTURAL FEATURES

