Strain analysis across the margins of the Elkahatchee and Coley Creek plutons, Alabama eastern Blue Ridge: Implications for the Alexander City Fault

Abstract

Evidence for ductile shearing was noted along the margins of the Elkahatchee Quartz Diorite and Coley Creek Or- thogneiss in the Ashland Enitachopco fault, is part of an Alleghenian dextral right slip system across the entire eastern Blue Ridge of Alabama. Adapted the boundary between the Wedowee Group, before lying Wedowee Group, before along its contact with the over-

Interpretations of Rf vs. Phi Analysis

1. Higher strain values and greater gradient across the margins of the Coley Creek plutons.
2. Mylonitization or development of a mylonitic fabric observed at both margins.
3. Higher strain values and greater strain gradient across the margin of the Coley Creek pluton.

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