



EXPLANATION

Structural cross sections

- Stratigraphic contact
- Thrust fault
- HELENA Thrust fault, mushwad
- Birmingham Anticline/anticlinorium
- Cahaba Syncline/synclinorium
- (BESSEMER MUSHWAD) Structure in subsurface
- Basement fault
- Mushwad (ductile duplex)
- Metamorphic rocks

Palinspastically restored cross sections

- Stratigraphic contact
- Projection of eroded stratigraphic contact
- Trajectory of thrust fault

Lithotectonic Unit	Age	General Stratigraphy
CP	Cenozoic	Undivided Gulf Coastal Plain
4	Mesozoic	Pottsville Formation
	Lower Pennsylvanian	Parkwood Formation
3	Upper Mississippian	Floyd Shale
	Lower Mississippian	Fort Payne Chert/Tuscumbia Limestone
	Upper Devonian	Chattanooga Shale
	Lower to Middle Devonian	Frog Mountain Formation
	Silurian	Red Mountain Formation
2	Upper Ordovician	Chickamauga Group
	Middle Ordovician	
1	Lower Ordovician	Knox Group
	Upper Cambrian	Conasauga Formation
	Lower Upper Cambrian	Rome Formation
	Middle Cambrian	Shady Dolomite
1	Lower Cambrian	Chilhowee Group
	Precambrian	Crystalline basement rocks

(modified from Thomas and Bayona, 2005)