

Grenville basement structure associated with the Eastern Tennessee seismic zone, southeastern USA

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Table DR1. Acceptable rock types for the depth interval 4-20 km

Region	Vp (km/s)	Vs (km/s)	Bouguer gravity	Magnetic anomaly	Rock types
1. mafic intrusion	6.58	3.73	very high	very high	diorite, gabbro
2. anorthosite	6.91	3.73 max	medium	very low	anorthosite
3. fault zone	6.17	3.50	low	very high	cataclasite mylonite with mafic flows
4. reactivated sheared basement rocks	6.31 (NE) 6.54 (SW)	3.68 3.74	low medium	low low	Felsic-mafic granulite
5. Blue Ridge Grenville basement	6.11	≥ 3.4	very low	medium	Granite gneiss