



## Seismotectonic Map of Afghanistan, with Annotated Bibliography: Usgs Open-File Report 2005-1264

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By Russell L Wheeler

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.A seismotectonic map shows geologic, seismological, and other information that is pertinent to seismic hazards but previously was scattered among many sources. Afghanistan is part of the Eurasian plate. Afghan seismicity is driven by the relative northward movements of the Arabian plate past western Afghanistan at 33 mm/yr and of the Indian plate past eastern Afghanistan at 39 mm/yr or faster as both plates subduct under Eurasia. Afghanistan is laced with faults. Known faults large enough to have been mapped at a scale of 1:500,000 are least abundant in the stable North Afghan platform, more abundant in the accreted terranes of southern Afghanistan, and most likely to slip rapidly and generate earthquakes in eastern and southeastern Afghanistan in the broad transpressional plate boundary with the Indian plate. Crustal earthquakes are most abundant in and around northeastern Afghanistan as a result of the northward subduction of the Indian plate. Crustal earthquakes are somewhat less abundant in much of the transpressional plate boundary with India. Central and western Afghanistan are least seismically active. Beneath the Hindu Kush of northeastern Afghanistan...



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