

Knickpoints as Geomorphic Markers of Crustal Deformation in an Intraplate Setting

Lehigh University



Reading and Lancaster Counties in Pennsylvania experience seismicity that has historically been absent in neighboring areas. In order to compare the seismic and aseismic regions, I will be looking at knickpoint elevations as a measure of crustal deformation, and at erosion rates (derived from alluvial samples for an upstream basin-average) below, within, and above the major knickpoints in two tributaries to the Susquehanna.



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