Estimates of Vs100 at Sites of Precariously Balanced Rocks

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• Vs30 values at PBR sites were surveyed with refraction microtremor arrays in prior studies.
• Vs30 values at PBRs were near 760 m/s, the value assumed for “rock” in the latest hazard maps.
• Response spectra at 1 sec (Sa1) values may be better correlated with deeper shear wave velocities such as Vs100 (Vs averaged to 100 m).
• On average, Vs100 values at granitic outcrop sites typical of PBRs are at or higher than assumed in the hazard maps.
• De-amplifications are thus not significant.

More at: www.seismo.unr.edu/hazsurv