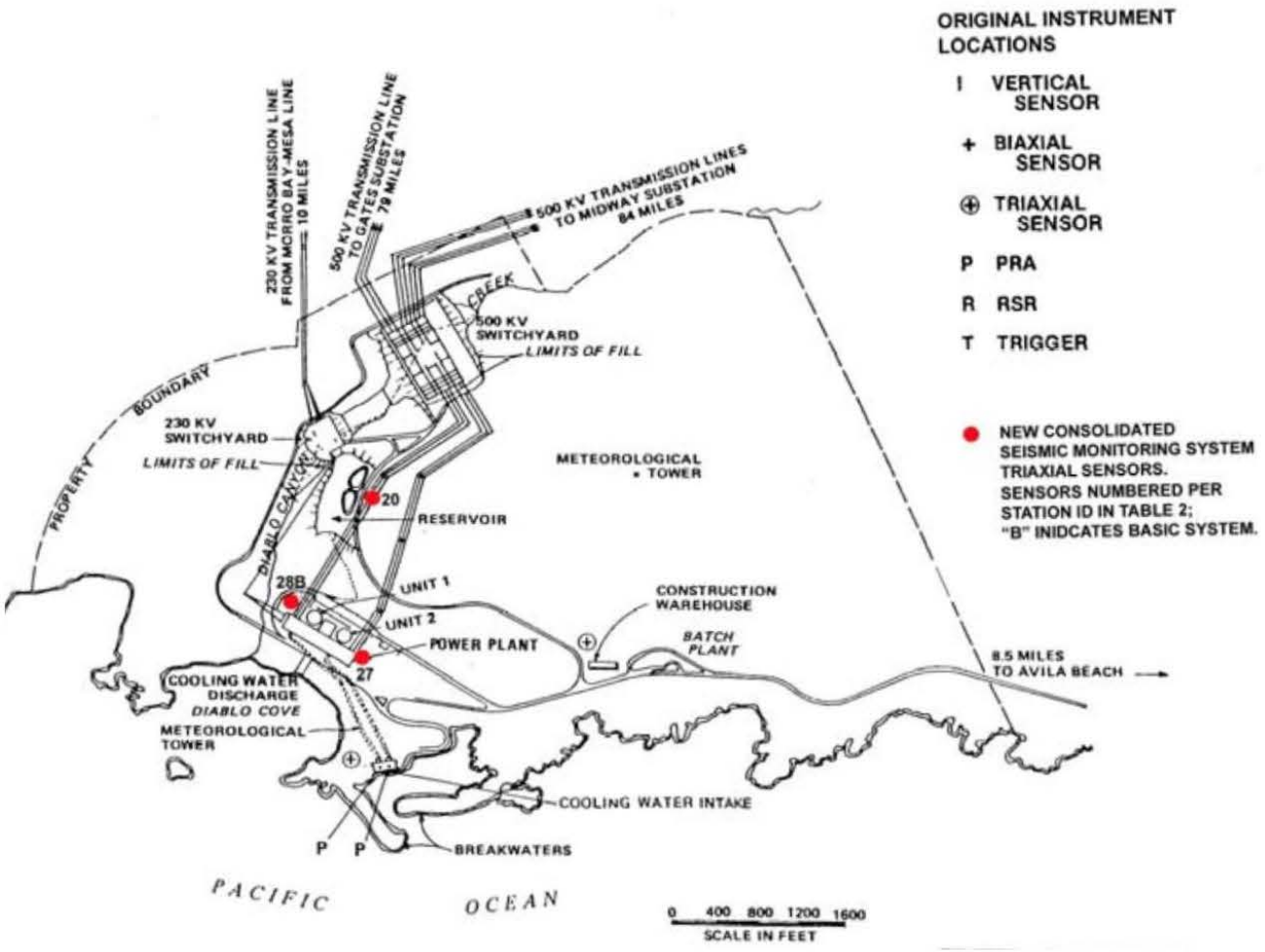


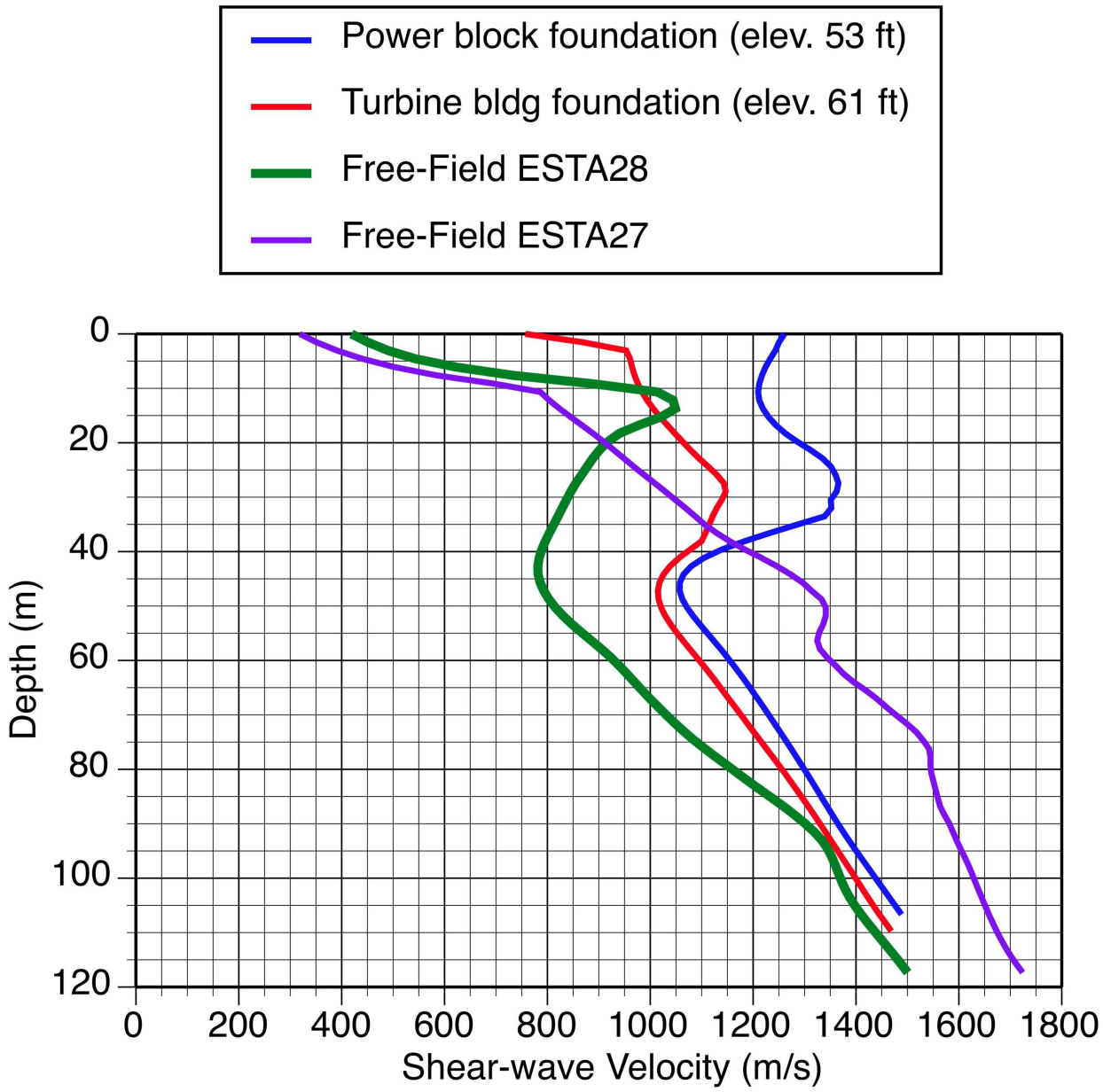

**Locations of the Free-Field Ground-Motion Stations at the DCPP**

**SITE CONDITIONS EVALUATION**

Pacific Gas and Electric Company | Figure **3-1**

Ch11.GEO.DCPP.TR.14.06 R0

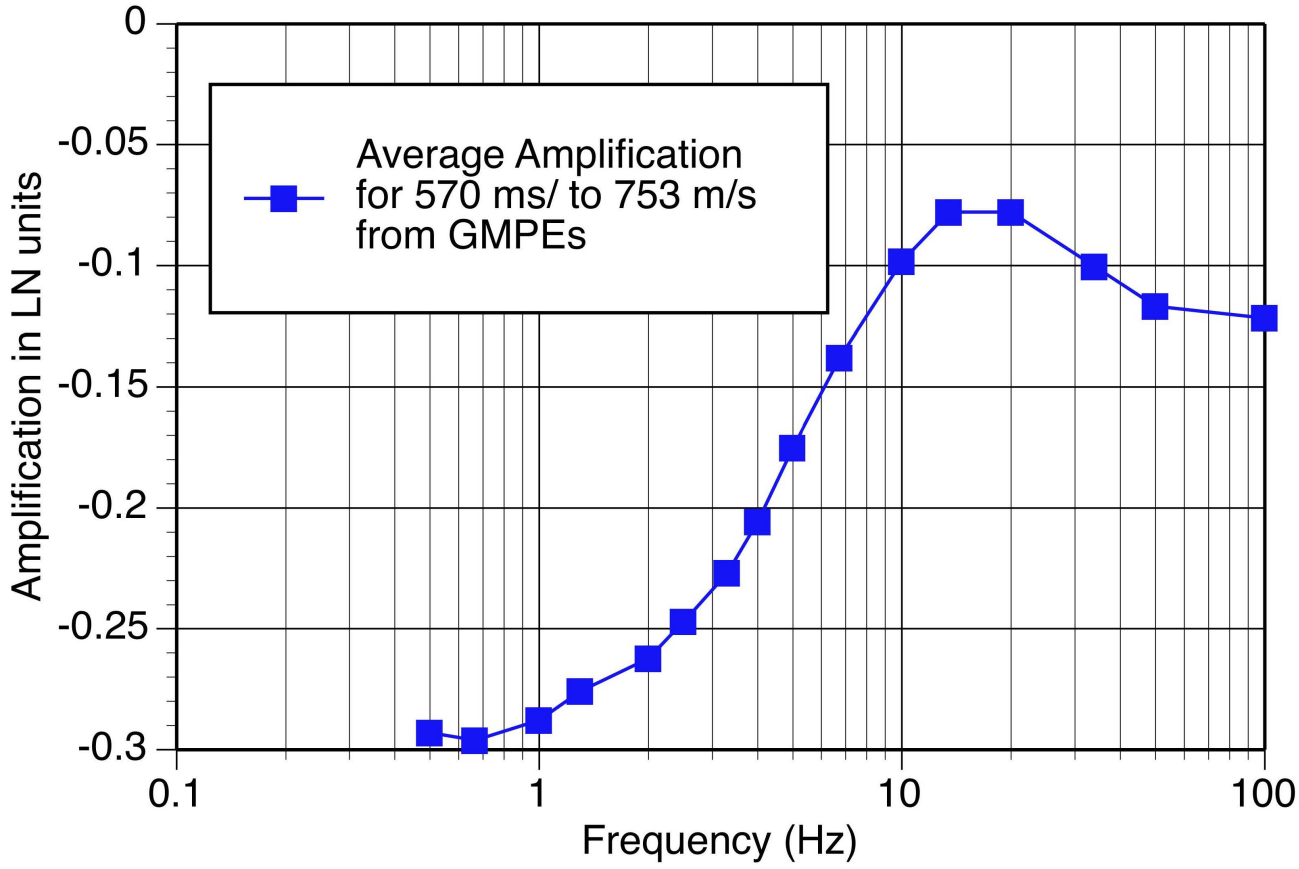
File path: S:\1005\051\Figures\Norm\Figures_TR14_06\Figure_3-01.ai; Date: 08/01/2014; User: Alex Remar, LCI




**Comparison of the Mean Shear-Wave Velocity Profiles**

**SITE CONDITIONS EVALUATION**

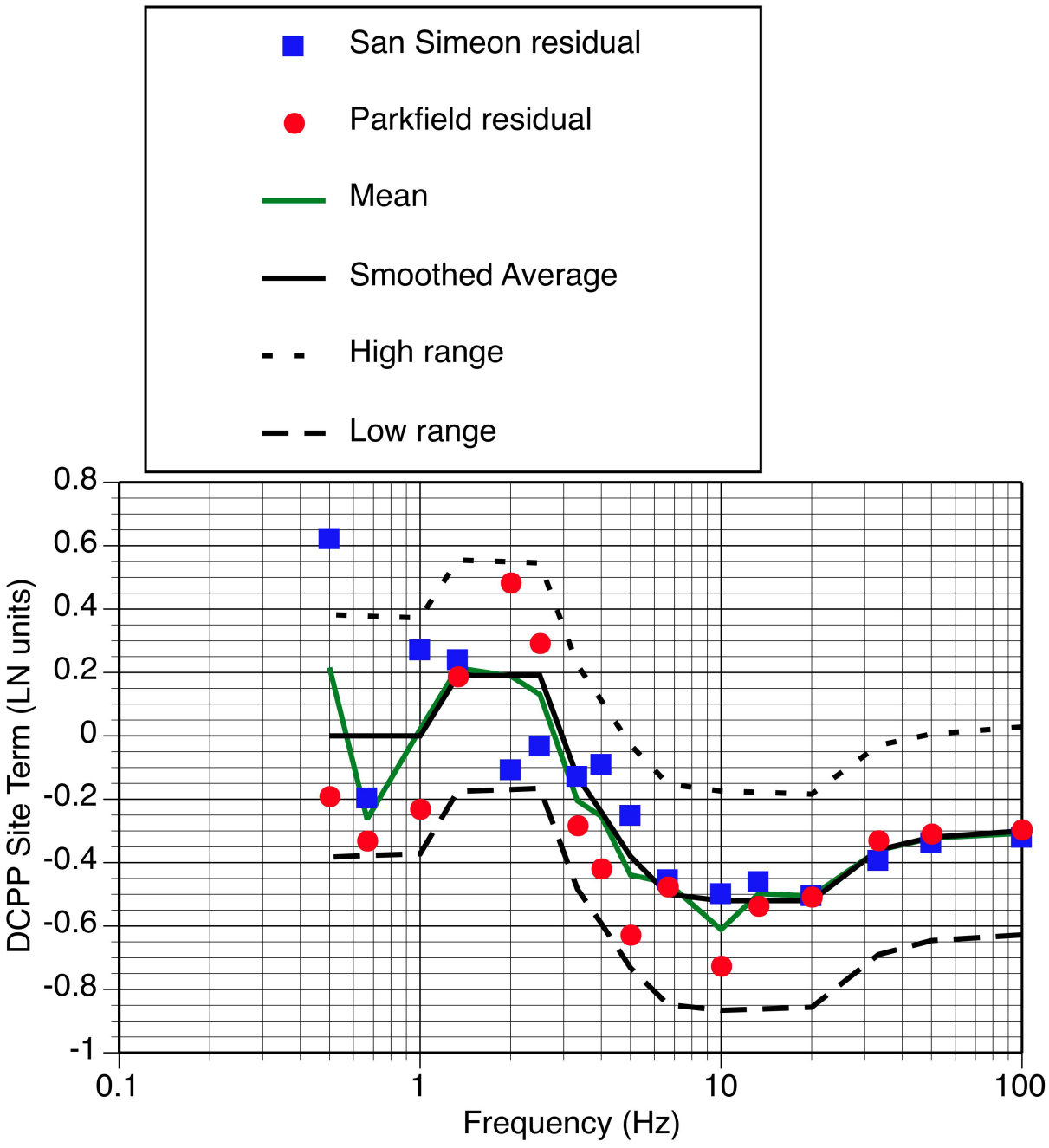
Pacific Gas and Electric Company | Figure **3-2**




**Factor to Correct for the Differences in the VS30 Values at ESTA27 and ESTA28 Based on the VS30 Scaling in the NGA-West2 GMPEs**

**SITE CONDITIONS EVALUATION**

Pacific Gas and Electric Company | Figure **3-3**

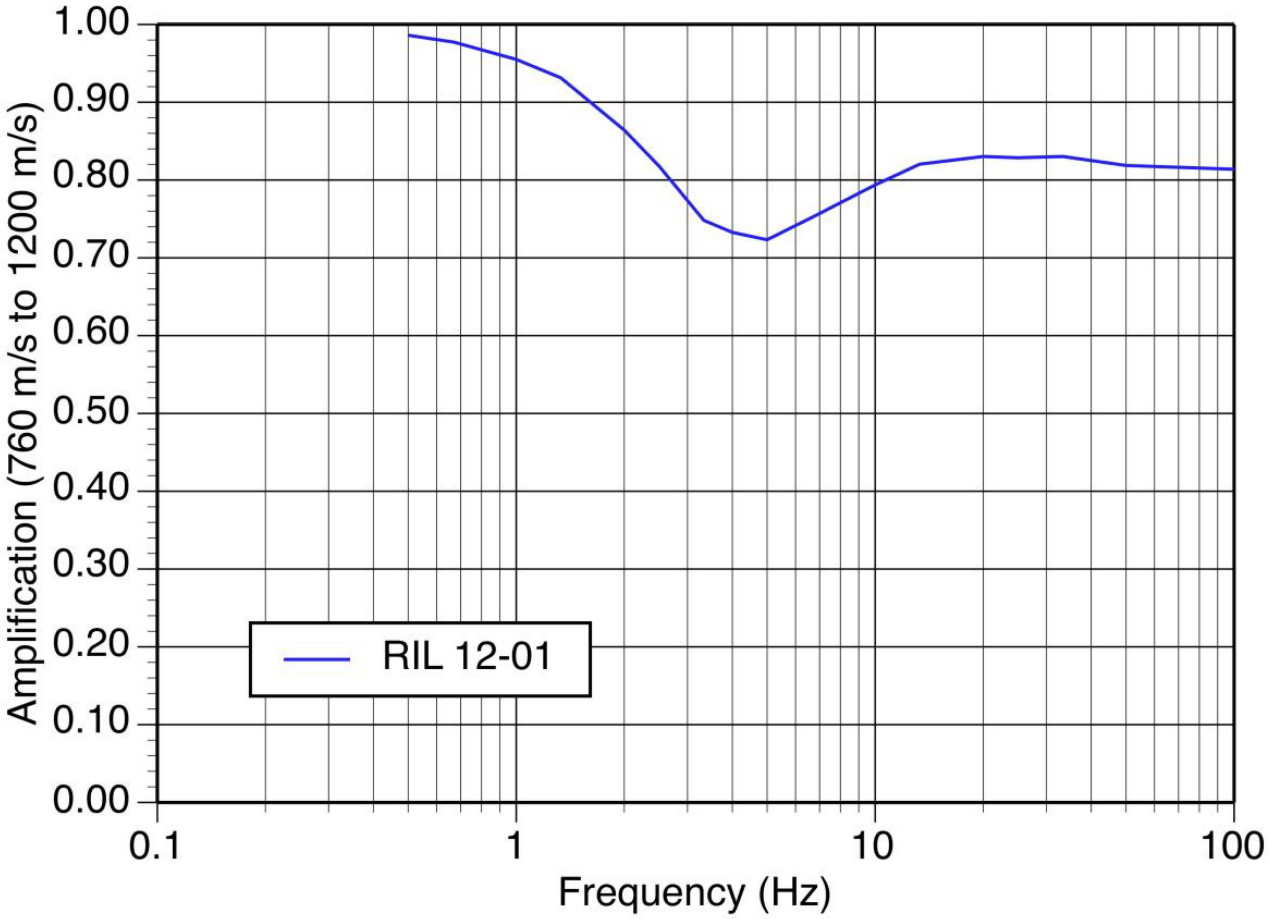



Note: Epistemic uncertainty (5% and 95% confidence levels) is shown by the dashed lines.

**Mean Event-Specific Residuals for the DCPP Relative to the ESTA28 Reference Rock Site Condition with VS30 = 750 m/s**

**SITE CONDITIONS EVALUATION**

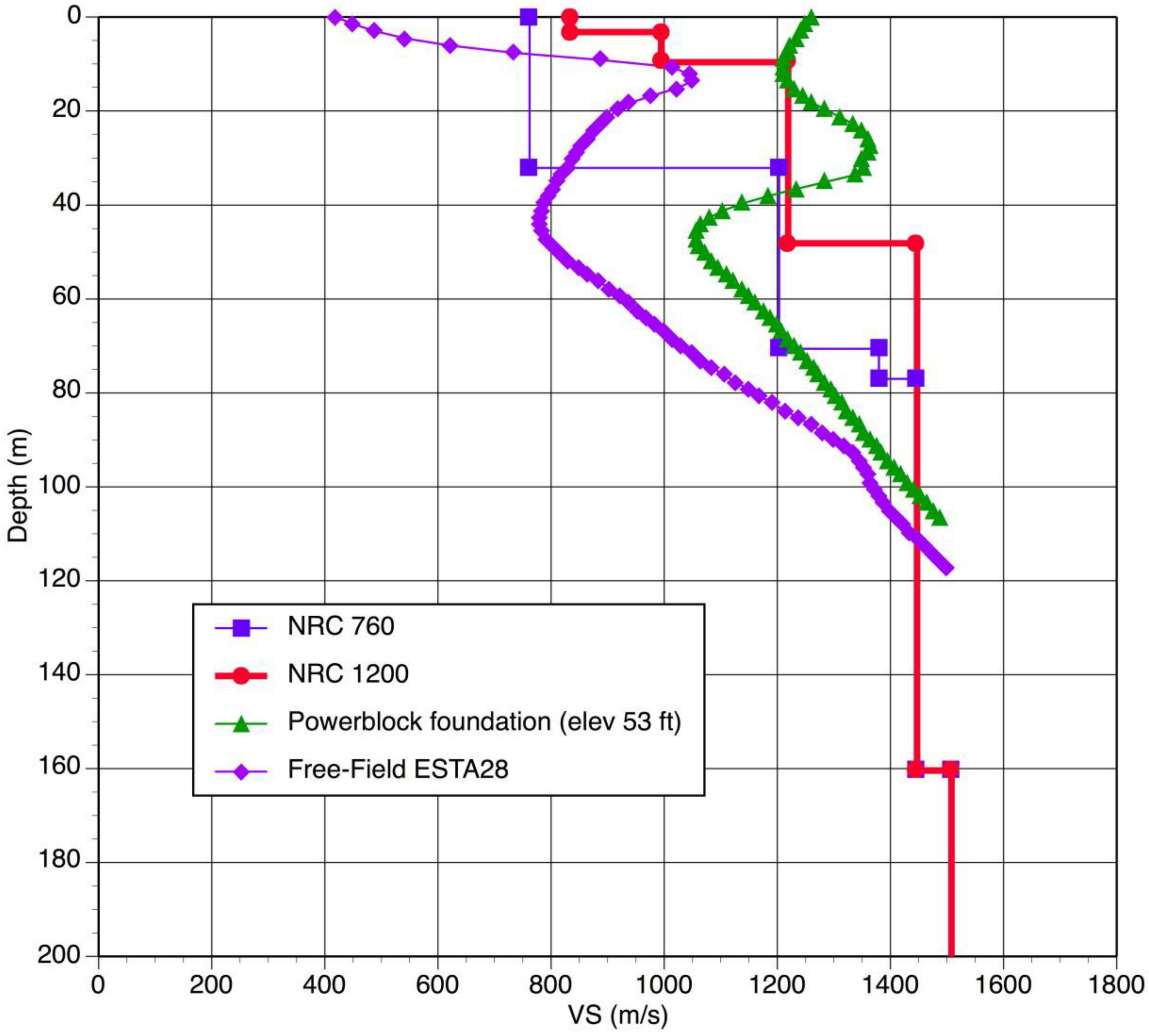
Pacific Gas and Electric Company | Figure **3-4**




**Site Amplification (760–1200 m/s) Given in RIL 12-01 (from Table 5-7 in NRC, 2012)**

**SITE CONDITIONS EVALUATION**

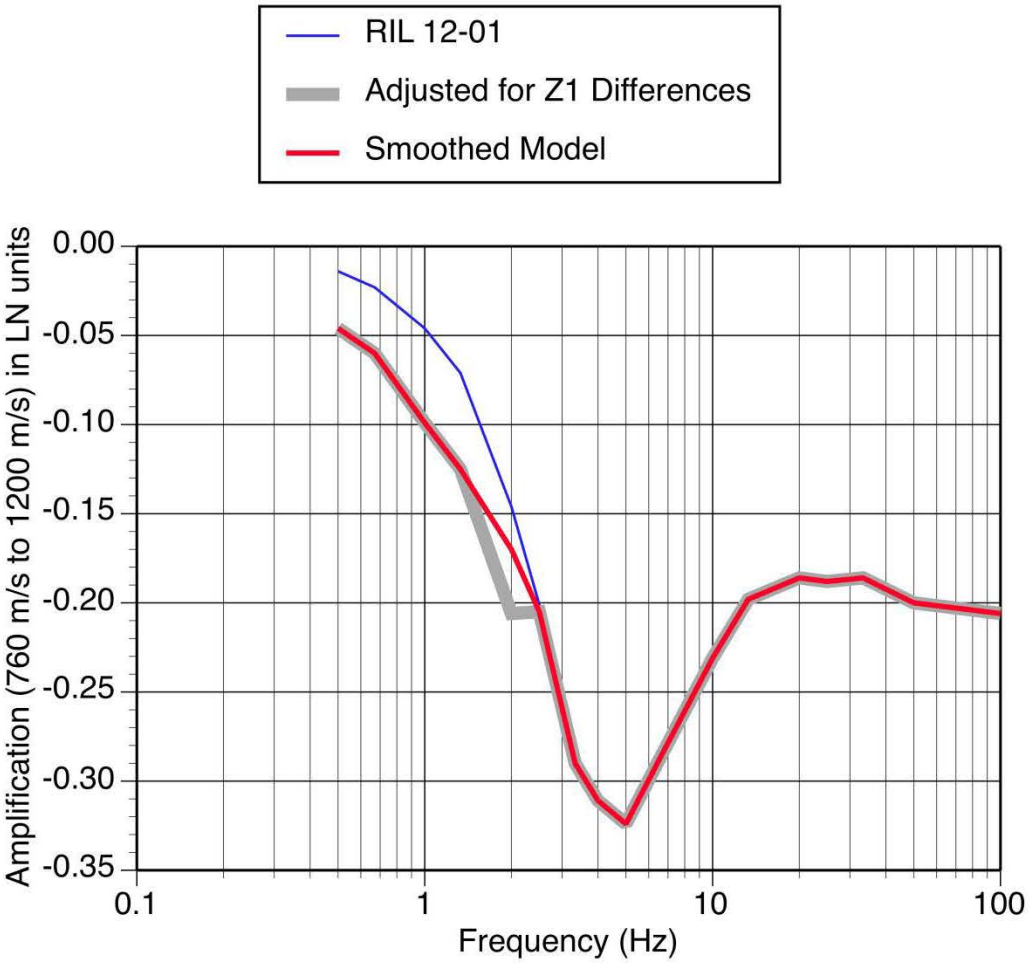
Pacific Gas and Electric Company | Figure **3-5**




**Comparison of the Velocity Profiles Used to Compute the Amplification from 760 m/s to 1200 m/s Used in the RIL 12-01 (NRC 760 and NRC 1200) with the Updated Site-Specific Velocity Profiles from PGEQ-PR-16 for the Reference Free-Field Site (ESTA28, $V_{S30}$ = 750 m/s) and the Power Block Foundation ($V_{S30}$ = 1260 m/s)**

**SITE CONDITIONS EVALUATION**

Pacific Gas and Electric Company | Figure **3-6**




**Site Amplification (760–1200 m/s)**
**Including the Adjustment for $Z_1$ Differences**

**SITE CONDITIONS EVALUATION**

Pacific Gas and Electric Company | Figure **3-7**