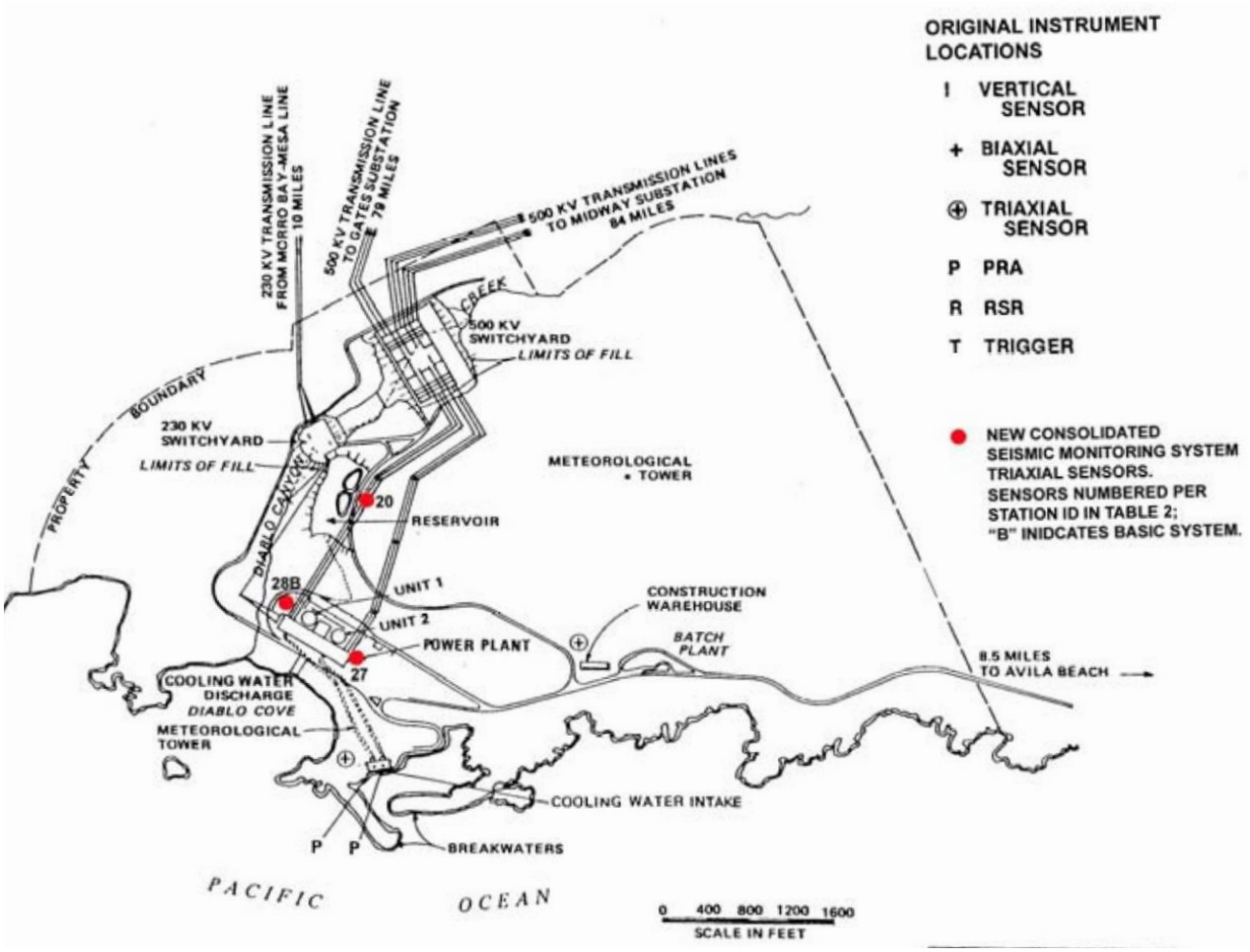
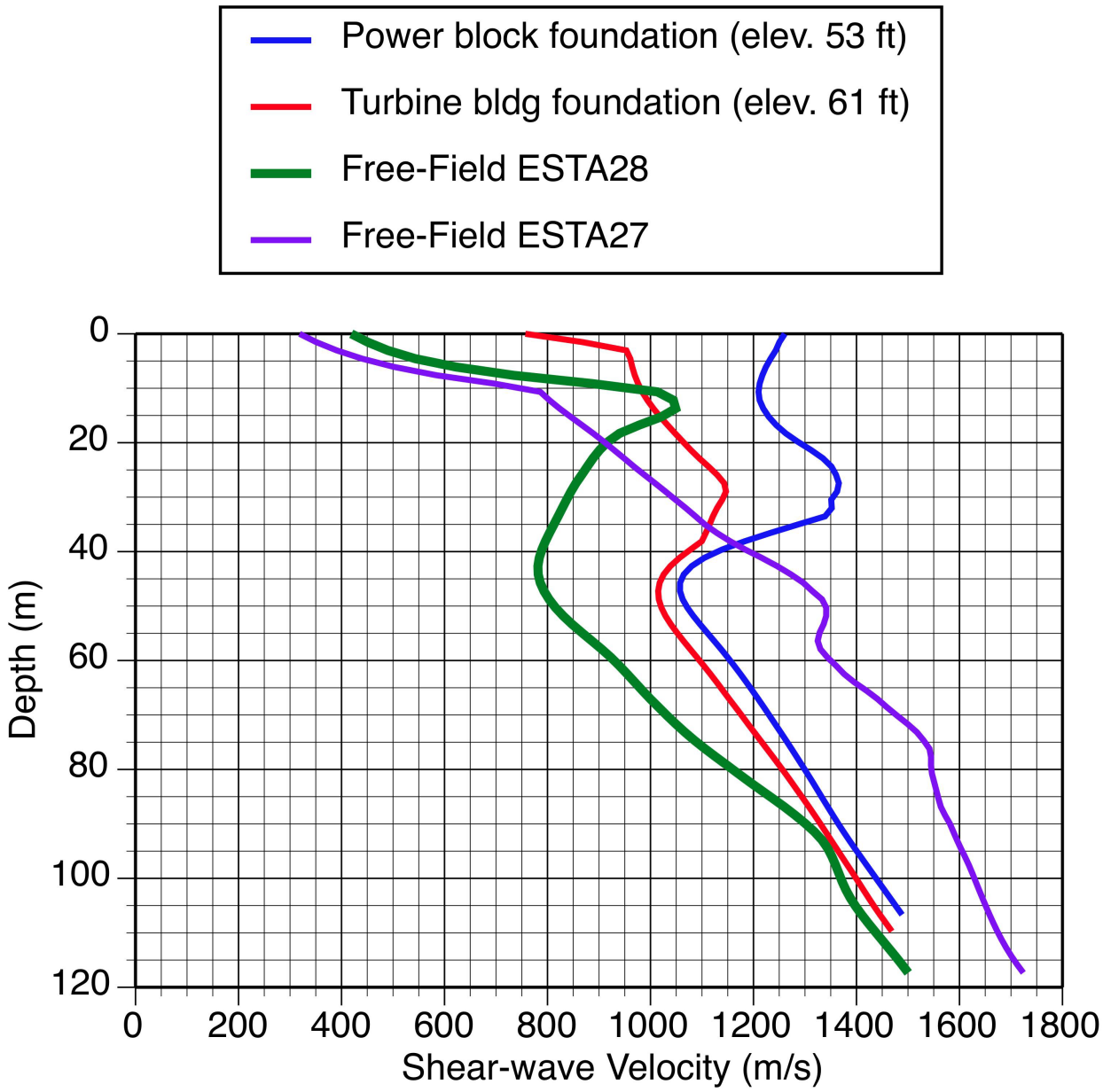


Locations of the Free-Field Ground-Motion Stations at the DCPP

SITE CONDITIONS EVALUATION

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



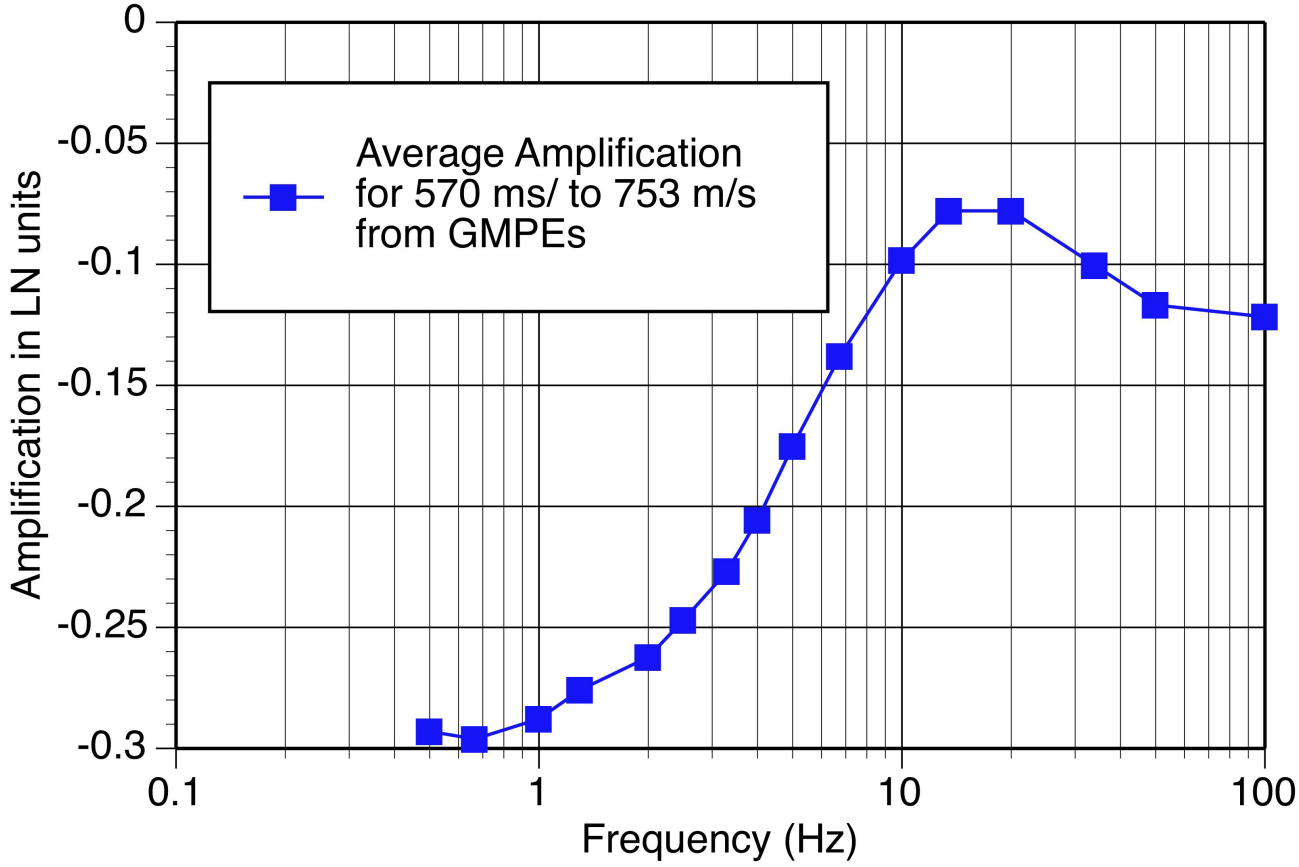
Comparison of the Mean Shear-Wave Velocity Profiles

SITE CONDITIONS EVALUATION

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

Ch11.GEO.DCPP.TR.14.06 R0

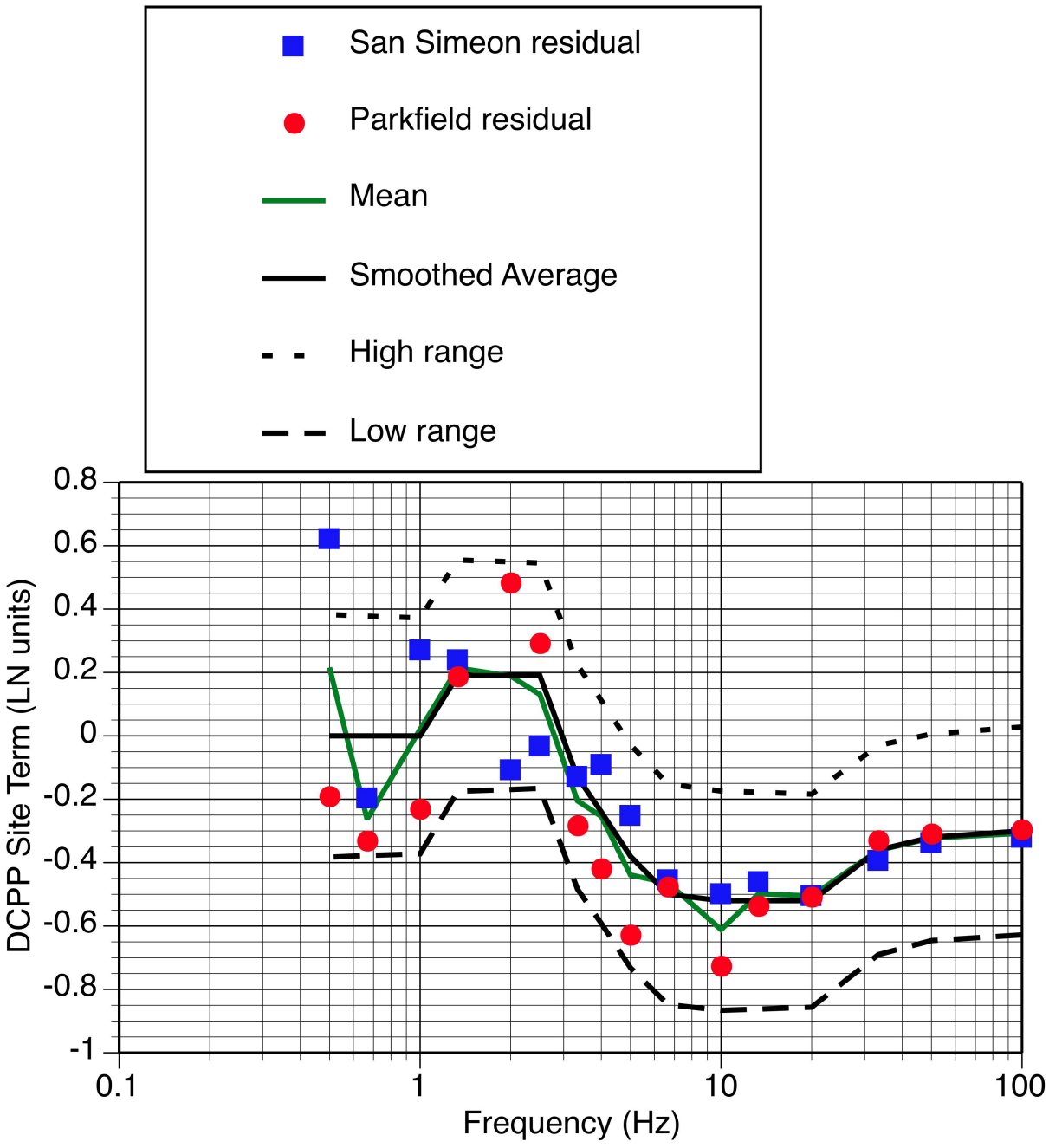
File path: S:\1005\051\Figures\Norm\Figures_TR14_06\Figure_3-02.ai; Date: 08/01/2014; User: Alex Remar, LCI



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**

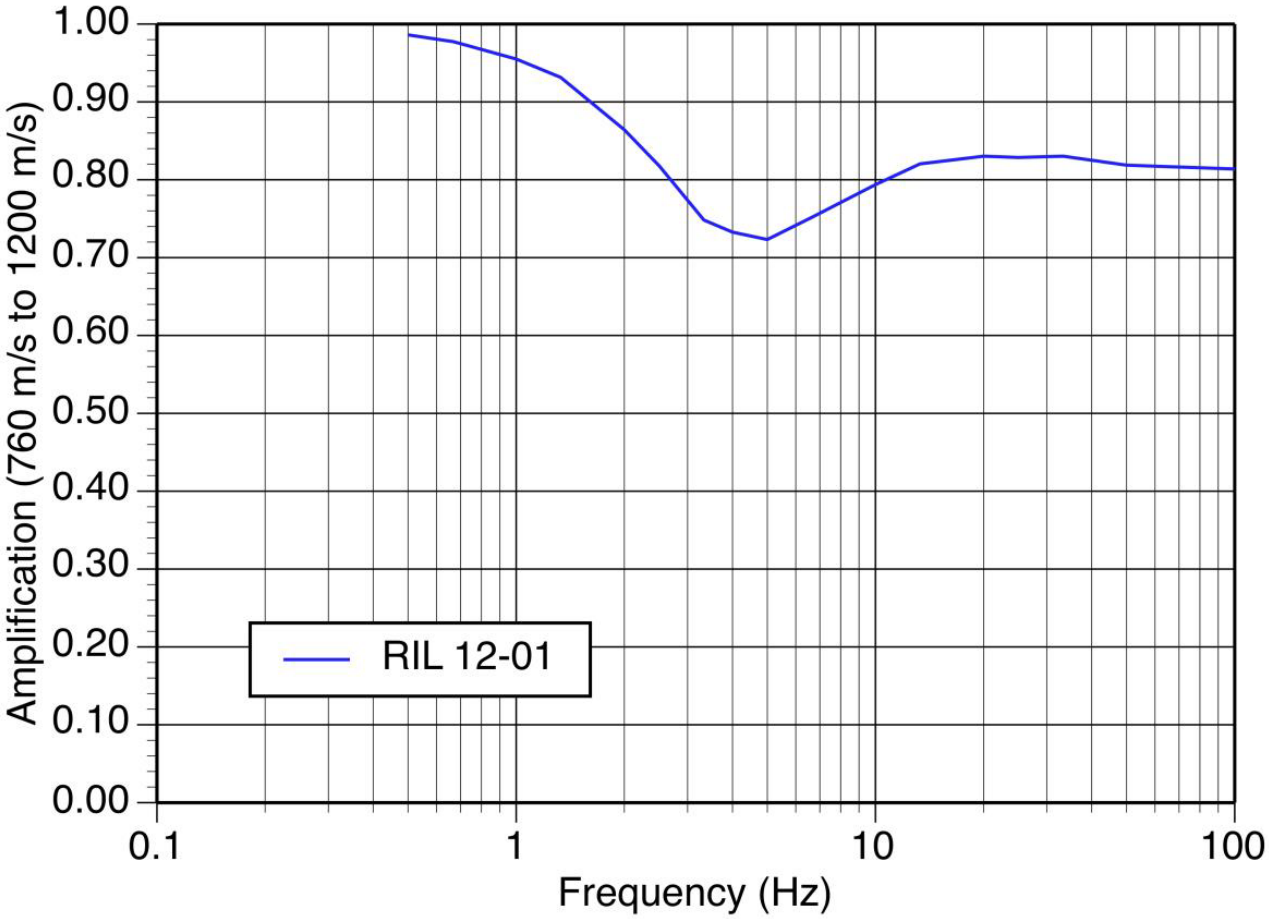


Note: Epistemic uncertainty (5% and 95% confidence levels) is shown by the dashed lines.

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

SITE CONDITIONS EVALUATION

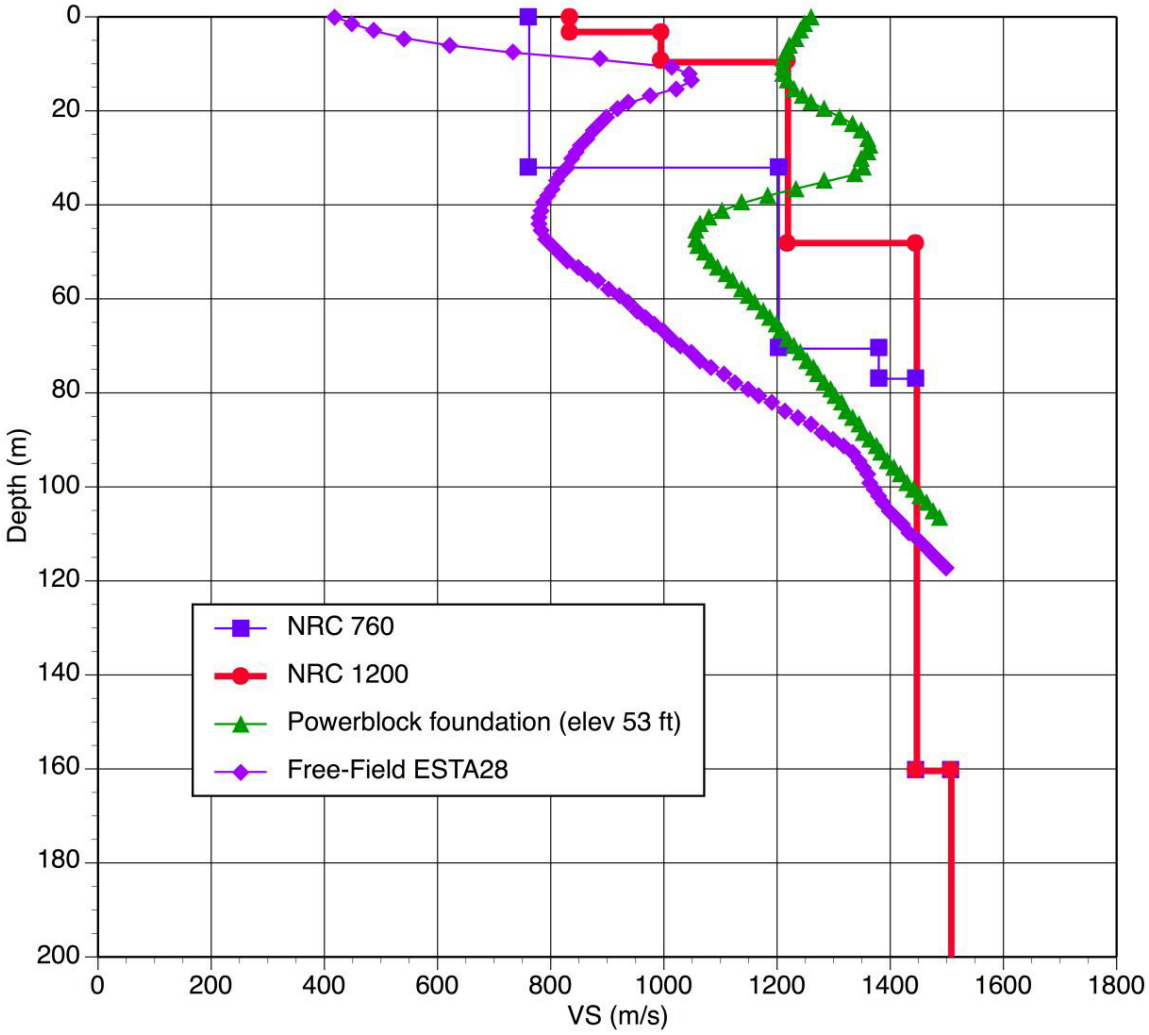
Pacific Gas and Electric Company | Figure **3-4**



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

SITE CONDITIONS EVALUATION

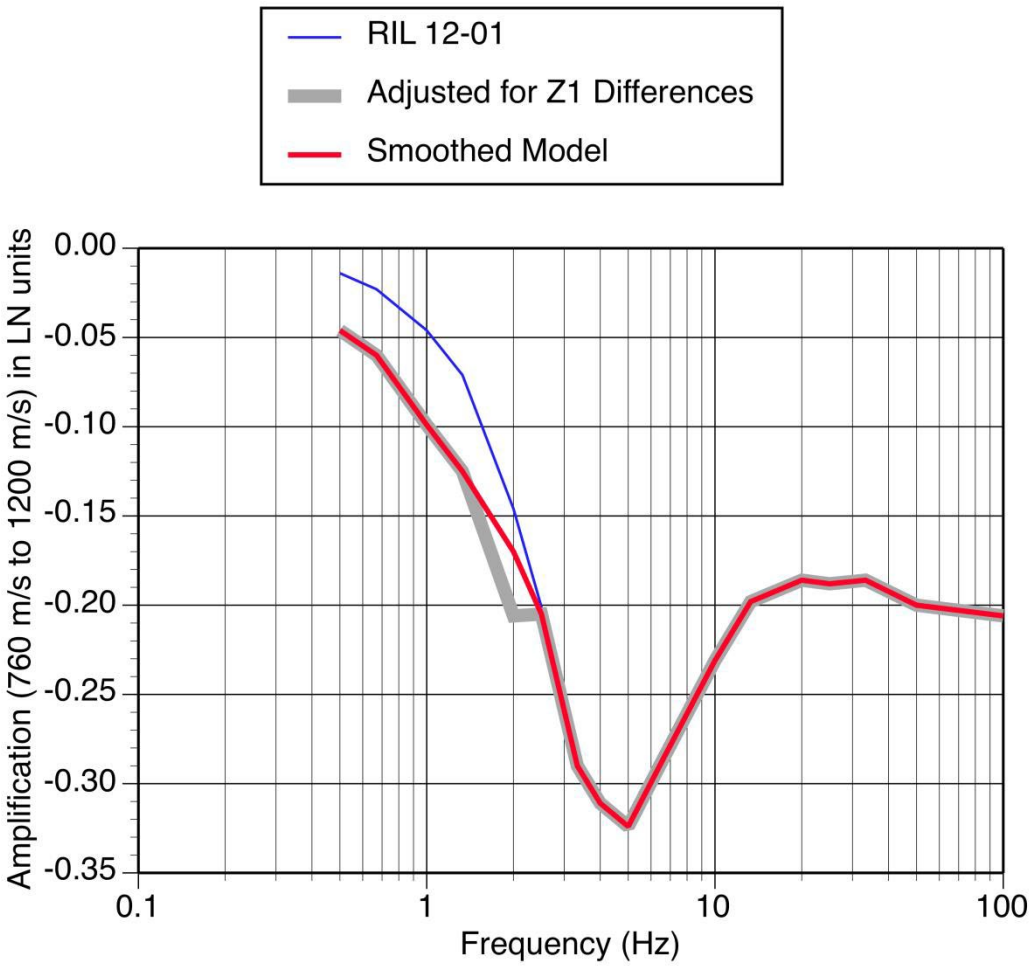
Pacific Gas and Electric Company | Figure **3-5**



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**