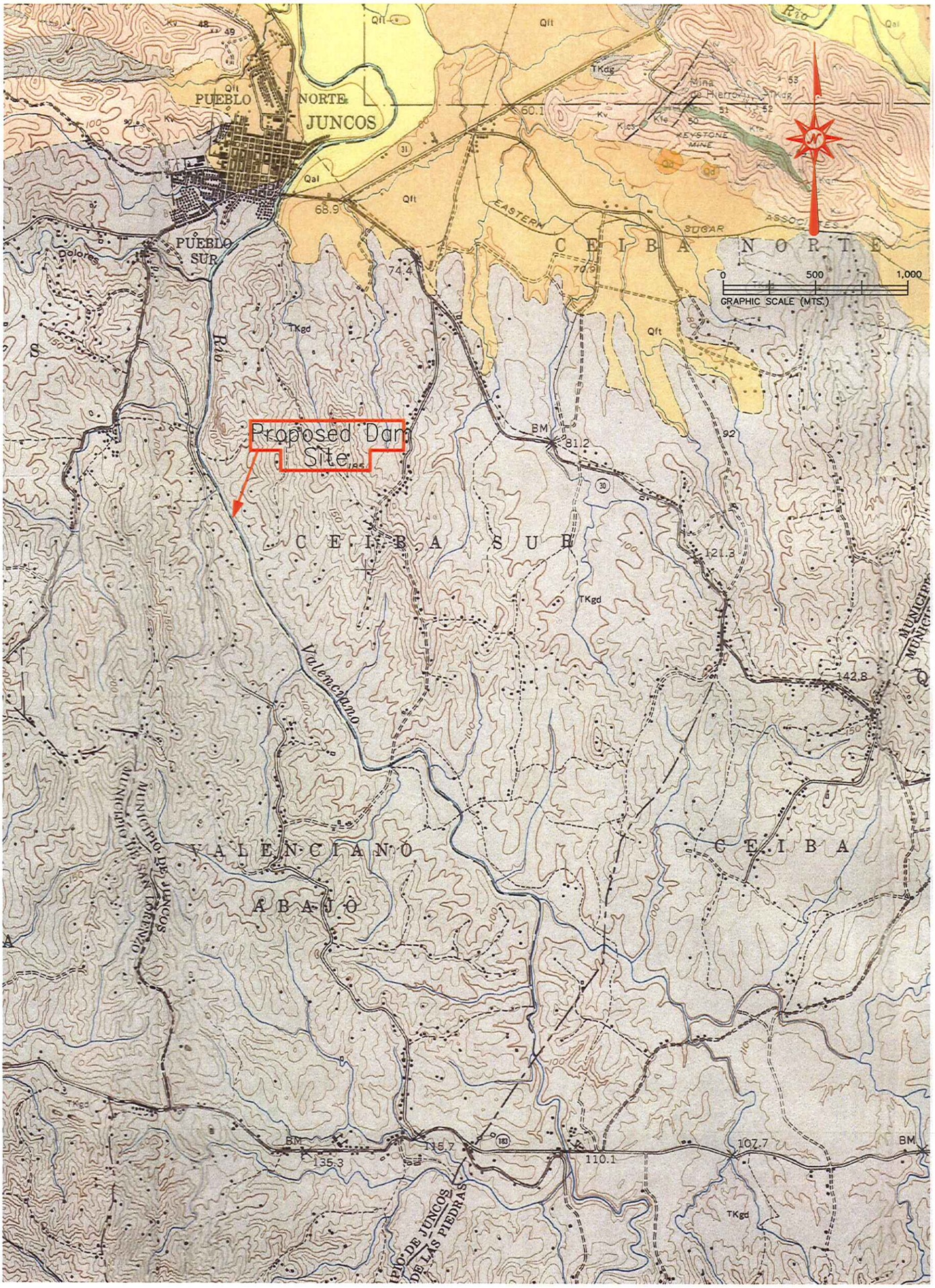

Portion of the U.S. Geological Survey map (Broedel, 1971) that shows the geology of the Río Valenciano watershed. The proposed dam site is indicated. The bluish gray pattern (TKgd) shows the granodiorite outcrop.

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		DATE: 01/08/08	JOB NO: 3557-06	CKD. BY: A.S.	SCALE: N.T.S.	FIGURE NO: 4

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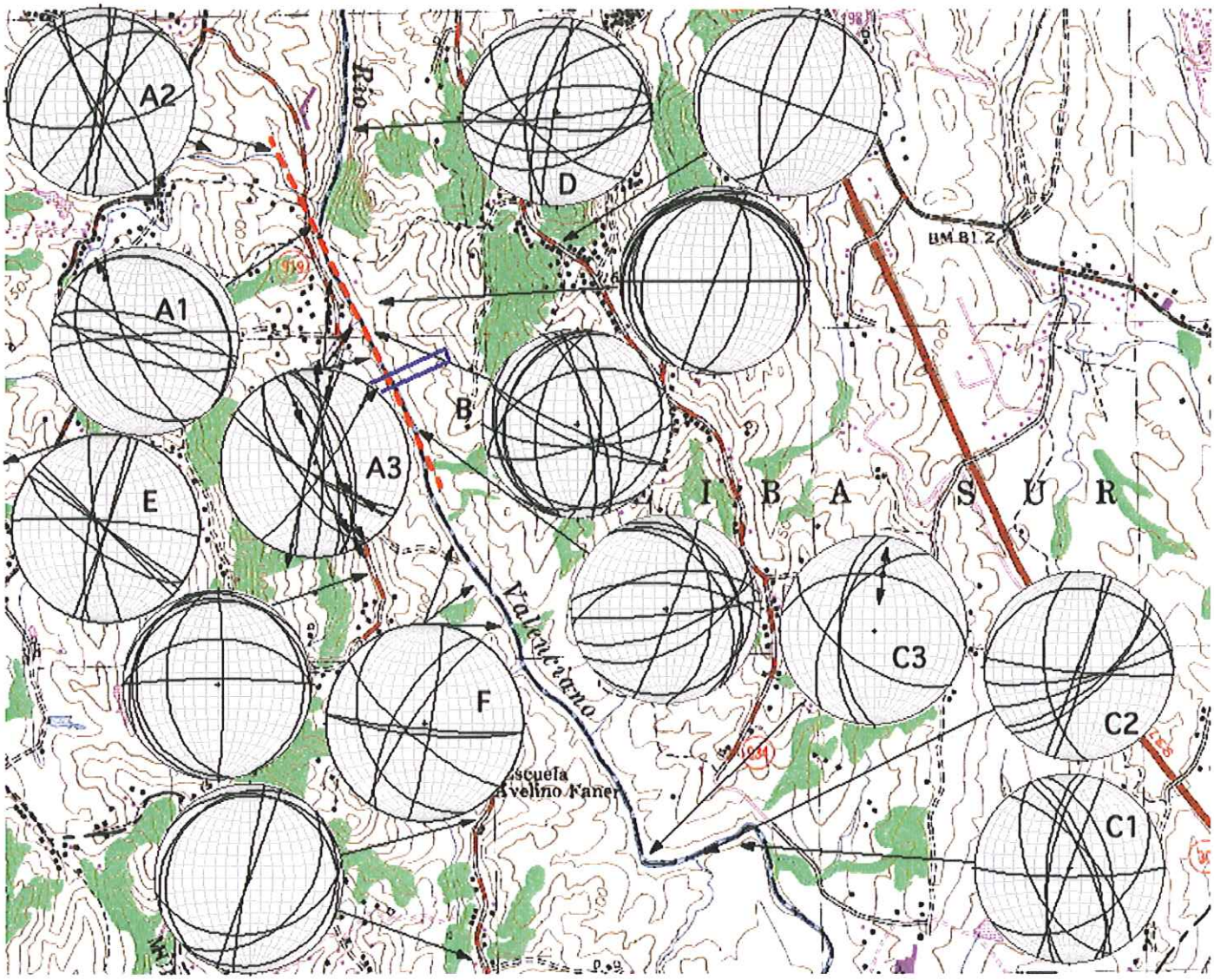

Figure 5: Topographic map showing the location of outcrops where Joyce obtained fracture orientation data with stereographic plots of joint measurements.

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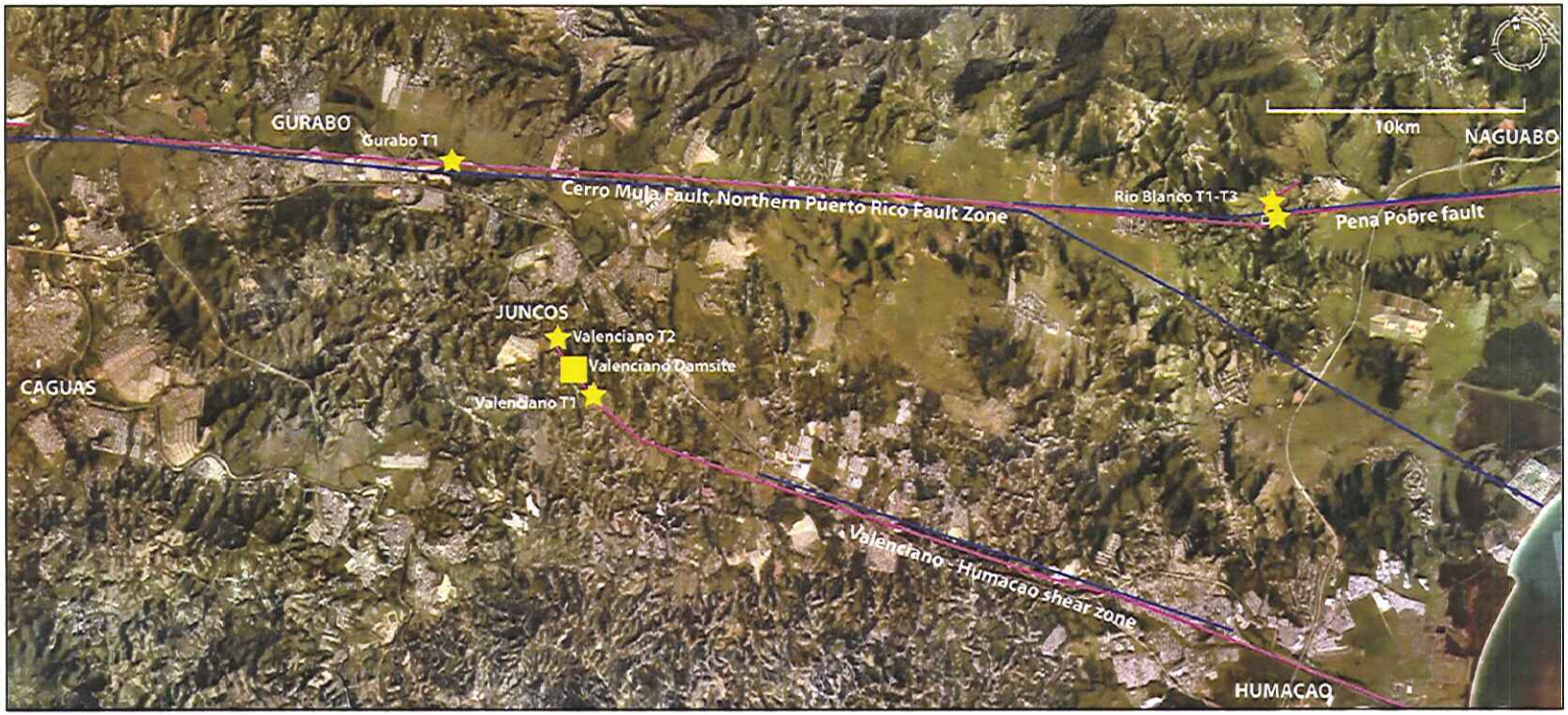

Figure 6: Google Earth image showing location of trenches excavated to assess the occurence of recent fault rupture. The most prominent bedrock faults, colored blue, are derived from several sources of USGS quadrangle mapping. Heavy red lines denoted primary topographic lineaments that are related to the mapped faults. The location of the Valenciano Dam site is noted. Figure courtesy of Williams Associates.

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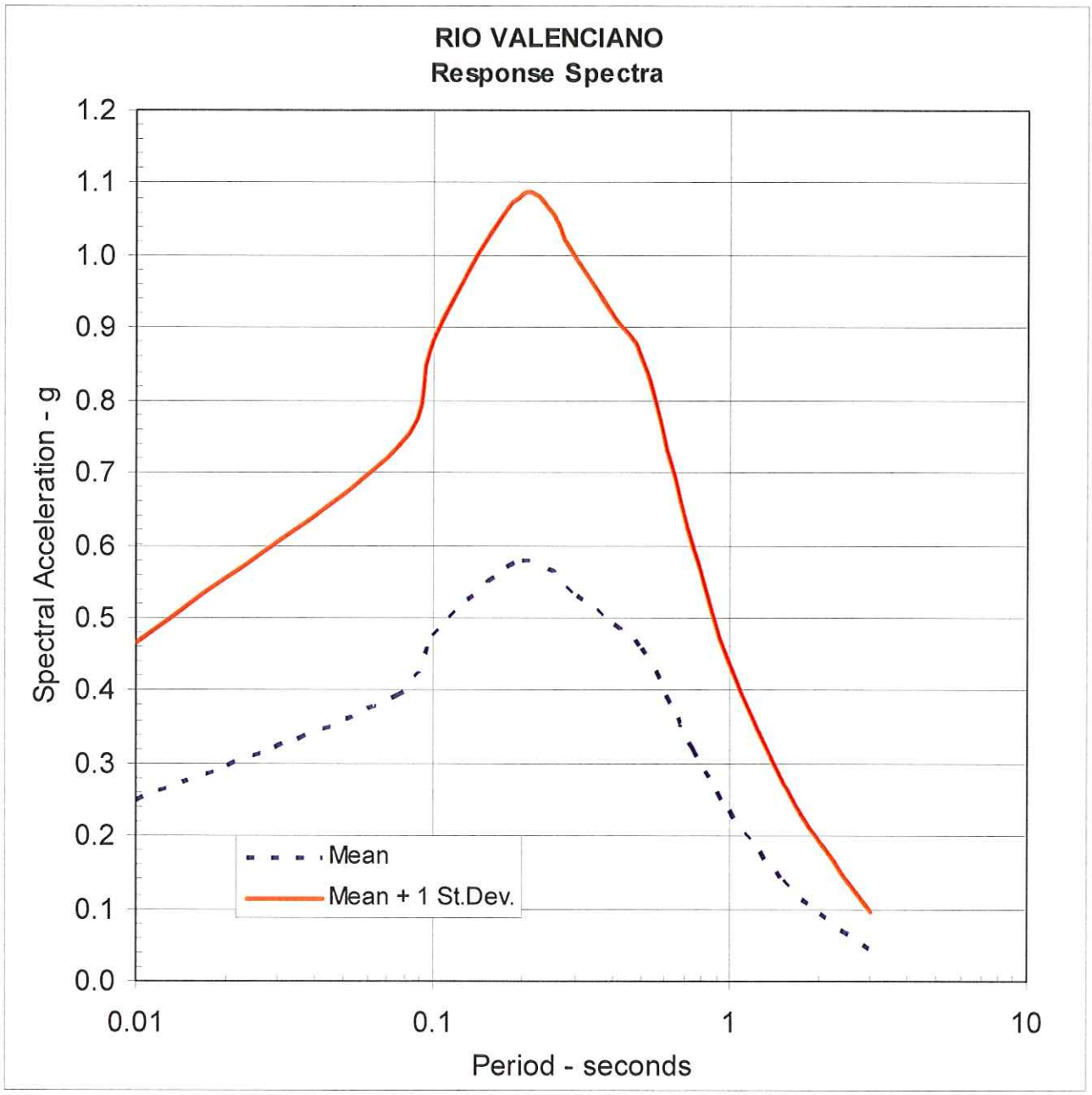

Figure 7: Maximum Credible Earthquake response spectra for the Río Valenciano Dam site; reproduced from Swaisgood Consulting report (Appendix H).

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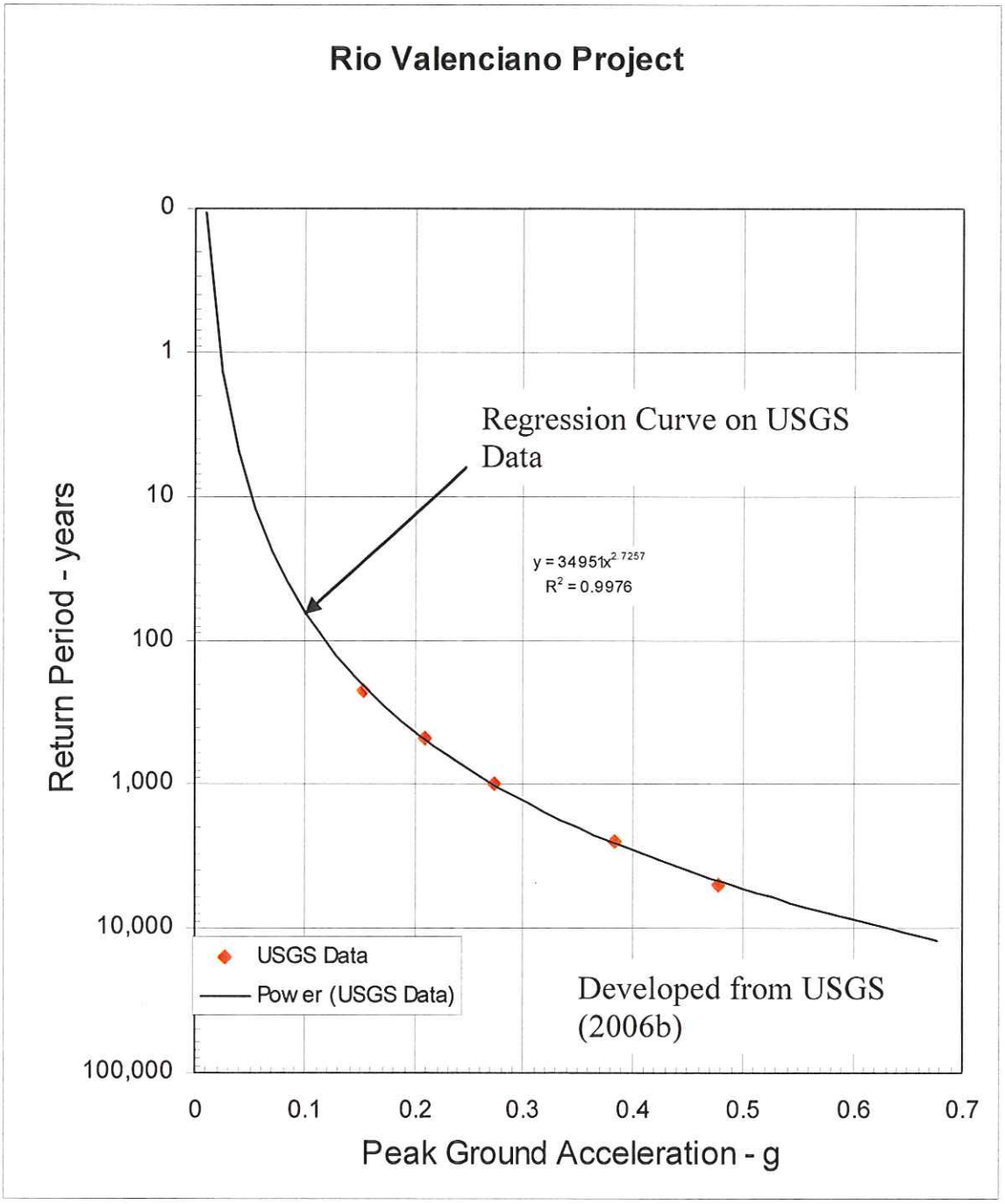

Figure 8: Probabilistic seismic hazard for the Operating Basis Earthquake (OBE); reproduced from the Swaisgood Consulting Report (Appendix H).

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