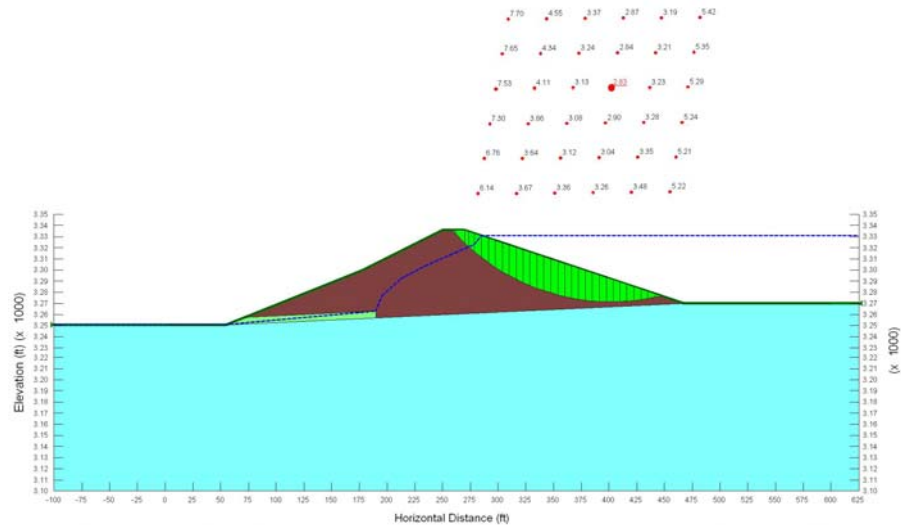


YUBA-BEAR HYDROELECTRIC PROJECT SEISMIC STABILITY ANALYSES

The Yuba-Bear Hydroelectric Project (FERC No. 2266) is owned and operated by the Nevada Irrigation District. The Project is located in Nevada, Placer and Sierra counties, California, and ten of its dams are subject to the provisions of Part 12 Subpart D of the Federal Energy Regulatory Commission regulations.

Nine of the dams are embankments, and for these dams, EES

Consulting performed slope stability analyses for various loading conditions including dynamic and deformation analyses based on updated ground motions and response spectra.



The updated stability analyses by EES Consulting were performed using GeoStudio, a suite of integrated geotechnical software modules written by Geo-Slope International. Spencer's method was used to calculate the factors-of-safety. In addition, EES Consulting prepared stability analyses for four concrete gravity spillways. The results, evaluations, conclusions and loading diagrams for each load case for each structure were prepared and compiled into reports that are used in the project's Supporting Technical Information Document.