

A Combined Geophysical and Lithostratigraphical Investigation of a Young Pull-Apart Basin: Evaluating the Relationship Between Basin Sedimentation, Late-Quaternary Climate Change, and Tectonics (Lake Elsinore, Southern California)

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Lake Elsinore, CA with 2003 and 2010 sediment core site (Google Earth image).

Our goal for the 2nd year - to collect a long sediment core for paleoclimatic research from Lake Elsinore - was a resounding success (see stratigraphic column at the right). Year 3 will consist of detailed physical, chemical, biological, and chronological sediment analyses aimed at deciphering the climate record held within the sediments of Lake Elsinore. One BSc and two MSc projects (all women scientists) are in progress using data obtained through this ACS-PRF grant.

