

*Delta Science Program, Ecosystem Restoration Program and
Surface Water Ambient Monitoring Program Jointly Present*

Seismic Performance of Levees Founded on Non-organic and Organic Soils in California and Japan

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Wednesday, July 10, 2013, 12:00 – 1:00 p.m.

**Location: Pagoda Building, City View Room, 3rd Floor
429 J Street, Sacramento CA 95814**



Photo Courtesy of Jon Chacon

California and Japan share a reliance on levee systems to provide flood protection and water conveyance. In both areas, most of the time levees are not holding back water; however, in some regions such as the Sacramento–San Joaquin Delta, the levees are continuously holding back water like dams. Two projects on levee performance will be described. The first looks at levees in Japan and will include discussion of factors controlling seismic risk of levees on non-organic soils including the influence of the position of the water table relative to the levee base.

The second project, located in the Sacramento–San Joaquin Delta, will describe a recent field test in which a model levee was constructed on top of peat soils and then shaken mechanically. In addition to presenting results from the field test, plans for levee seismic performance testing beginning this summer will be briefly discussed.

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