

*The Delta Science Program and the U.S. Geological Survey
Jointly Present a Delta Lead Scientist Candidate Brown Bag Seminar:*

Water Supply Resiliency in the Context of Hydroclimatic Variability

Audrey D. Levine, Ph.D., P.E. BCEE
Strategic Professor, Energy and Environment, Flinders University

**Monday, March 9, 2015
12:00 – 1:00 p.m.**

**Park Tower, 2nd Floor Conference Room,
980 Ninth Street
Sacramento, CA 95814**



The primary source of drinking water for about 70 percent of the U.S. population is surface water that undergoes “conventional treatment” in conjunction with other technologies and operational safeguards. The overall reliability of these water supplies is influenced by multiple interdependent factors such as watershed characteristics, land-use patterns, infrastructure integrity, and water management practices. This presentation will provide a water quality perspective on water supply resilience to hydroclimatic variability using a SWOT (strengths, weaknesses, opportunities, and threats) framework. Research and data needs related to monitoring strategies, modeling tools, adaptation capacity, and management decisions will also be discussed. This presentation is derived from a collaborative effort associated with EPA’s Water Resources Adaptation Program (WRAP).