



## ***OCACS Environmental Program***

Kennedy/Jenks Consultants  
2355 Main St, Suite 140  
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January 28, 2010 at 7:30 p.m.

### **The Salton Sea: Past, Present, and Future**

Dr. Mark R. Matsumoto  
Department of Chemical and Environmental Engineering  
University of California, Riverside

The present Salton Sea, located in the southeast desert of California, was formed in 1905 and is California's largest inland water body with an approximate surface area of 376 mi<sup>2</sup>. Annually, more than 1 million ac-ft of water flows into the Sea, providing important habitat for over one million birds, comprised of 380 different avian species. Beyond that, the Salton Sea, provides an essential role for California's irrigated agriculture and has been a major water recreational area.

However, over time, Salton Sea water quality has deteriorated steadily, threatening the wildlife habitat and desirability as a recreational area. As a result, there has been considerable concern and debate regarding the future of the Sea. Numerous alternatives to mitigate adverse impacts have been forwarded. This presentation will 1) provide a brief history of the Salton Sea, 2) summarize the current condition of the Salton Sea, 3) identify major water quality issues, 3) look at impacts of changes in Colorado River water resource allocations on the Sea, 4) give an overview of remediation approaches that have been proposed, and 5) review the recently published plan for remediating the Salton Sea.

#### **Speaker Biography**

Dr. Mark Matsumoto has been with the University of California, Riverside as a faculty member in the Department of Chemical and Environmental Engineering since 1994. Prior to that, he was at the State University of New York at Buffalo for 12 years. He holds a B.S. degree in Civil Engineering from the University of California, Irvine, and M.S. and Ph.D. degrees in Environmental Engineering from the University of California, Davis. Over his career, Dr. Matsumoto has conducted numerous research studies involving land-based municipal and industrial wastewater treatment, and remediation studies at a wide variety of hazardous waste sites. Dr. Matsumoto served as the department chair from 1994 to 2000 and currently serves as the Associate Dean for Research and Graduate Education for the Bourns College of Engineering. He is a Fellow of the American Association for the Advancement of Science (AAAS).

**Reservations:** Limited to first 25 with reservations. E-mail reservations to Ganesh Rajagopalan [[RGanesh@KennedyJenks.com](mailto:RGanesh@KennedyJenks.com)] by 1-26-10.

**Driving directions:** From Interstate 405, exit on Jamboree Road and go NORTH. Turn LEFT on Main St up 2 lights, then RIGHT on Cartwright Rd. and LEFT into the first driveway.