

Enhancing Groundwater Recharge with Stormwater

Tuesday May 30, 2017 | 1:00pm - 2:30pm

CalEPA Building | 1001 I Street, Sacramento | Klamath Room

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Stormwater is an under-utilized resource in California that has become increasingly important as demand for freshwater increases, land use and vegetation shifts, and precipitation becomes more intense. The recent drought has exacerbated water management challenges in California, but has also provided rare opportunities through groundbreaking policy initiatives, such as the Sustainable Groundwater Management Act. Professor Fisher, along with his students and colleagues, seek to investigate the potential of stormwater to address California's water management challenges through several projects related to Managed Aquifer Recharge. These include collaborations with landowners, agencies, and regional stakeholders to identify locations where stormwater could contribute to enhance groundwater recharge. These projects demonstrate that water quality, and water supply can be improved simultaneously during managed recharge.

SPEAKER: Andrew T. Fisher

Andrew Fisher is a Professor of Earth and Planetary Sciences at UC Santa Cruz (UCSC), where he is affiliated with departments of Environmental Studies, Microbiology and Environmental Toxicology, and Applied Mathematics and Statistics. He is the UCSC Director for UC Water, and founder of The Recharge Initiative (www.rechargeinitiative.org), a focused effort to protect, enhance, and improve the availability and reliability of groundwater resources. Fisher teaches classes in hydrology, groundwater, and groundwater modeling, as well as conducts research with students and colleagues on: surface water – groundwater interactions, managed recharge, geothermics, coupled flows (fluid-heat-solutes), water quality, and development of new hydrologic tools and techniques. Fisher earned a B.S. in Geology from Stanford University, and a Ph.D. in Marine Geology and Geophysics from the University of Miami. He is recipient of the O.E. Meinzer Award in Hydrogeology from the Geological Society of America (2016), and an Excellence in Teaching Award from UC Santa Cruz (2012).

AVAILABLE ON WEBCAST: <https://video.calepa.ca.gov/>

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