

# Inland Geological Society

November 2016

Newsletter of the Inland Geological Society

Volume 32 No. 11

Thursday,  
November 3<sup>rd</sup>

Time:  
Social: 6:00pm  
Dinner: 7:00pm  
Lecture: 7:30pm

Location:  
LSA Associates  
1500 Iowa Ave  
Suite 200  
Riverside, CA  
92507  
(Map on Pg. 4)

Coming to  
Dinner?  
Please RSVP:  
By Tuesday 11/1  
(909) 227-7704  
Baircrystal@ca.rr.com

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**November Speaker:**

**Tom Browne, Ph.D., PE, CPMSM**  
WRC Engineer, Lahontan Regional Water Quality Control Board, Victorville, CA

## **Hydromodification in the High Desert: The Regulation of Stormwater in California**

*Abstract*

This talk is not about rocks, but rather alluvial sediment and desert vegetation. I will discuss the challenges of regulating the erosional effects of construction in the high desert, and the goal of “low-impact development,” a buzz-word heard among building planners everywhere. The high desert is characterized by shrubs that live for thousands of years through drought, freezing cold, and searing heat, but don’t regenerate very well when eradicated for development. A decade of rapid growth in the housing and the solar industry has denuded much of the natural landscape of the Lahontan region, leaving it vulnerable to erosion. More pavement means more run-off, accelerating erosion in ephemeral washes and dumping sand into the Mojave River, destroying riparian habitats. I will talk about how water boards throughout the state regulate construction projects over one acre, and how the water boards require many cities and all of the counties to monitor, control, and reduce, stormwater pollution within their jurisdiction.

**Biography:**

Tom Browne has worked at the Lahontan Water Board in Victorville for over four years in stormwater and landfills. He worked for 13 years in environmental consulting firms in orange county and Calgary, Alberta. He has worked in chemical process design for petroleum, natural gas, and inorganic fertilizer industries for five years in California, New Mexico, and Oklahoma. His PhD is in chemical engineering from UCLA and he holds California PE licenses in chemical and civil engineering. “CPMSM” stands for Certified Professional in Municipal and Stormwater Management, and is nation-wide stormwater professional registration obtained through the private firm Enviro-Cert.

## Upcoming Meetings/Events

### Rock & Gem Shows—Various locations

Various rock and mineral shows will be throughout So. California. To find one near you, visit [www.rockngem.com/showdates.asp](http://www.rockngem.com/showdates.asp)

### AEG—So. California Section Meeting



The next AEG-SoCal Chapter meeting hasn't been posted online. For more info., visit [www.aegsc.org](http://www.aegsc.org).

### South Coast Geological Society Meeting



The next meeting is the 22nd Annual Poster Session held on **Monday, November 7, 2016**. For more info., visit their website at [www.southcoastgeo.org](http://www.southcoastgeo.org).

### AEG—Inland Empire Section Meeting



Holly Nichols, CA Dept. of Water Resources, will be giving a talk on the "Seismic Remediation of Perris Dam – Dam Concept and Update on Construction Progress" on **Wednesday, November 9, 2016**. For more info., visit [www.aegsc.org/chapters/inlandempire/](http://www.aegsc.org/chapters/inlandempire/).

### Los Angeles Basin Geological Society



The November meeting hasn't been posted online, but is typically the 4th Thursday of the month. Visit their website for more info. ([www.labgs.org](http://www.labgs.org)).

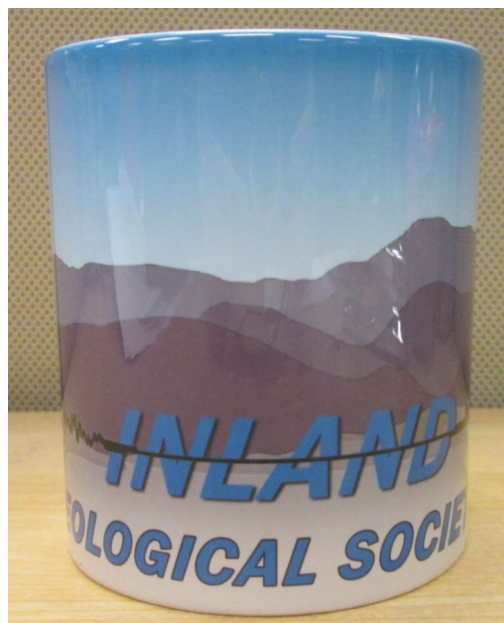
### San Diego Assoc. of Geologists Meeting



Chuck Houser will be giving a talk on "The Sustainable Groundwater Management Act and Some Challenges to Groundwater Use" on **November 16, 2016**. For more info, visit their website at [www.sandiegogeologists.org](http://www.sandiegogeologists.org).

## Get Your IGS Coffee Mug!

IGS will now be selling IGS coffee mugs at the monthly meetings. They will be on sale for \$10.



## IGS Meeting Schedule

### **December 7, 2016 (Wednesday)**

Dr. Alton Dooly, Jr., Western Center Museum  
*TBD*

### **January 12, 2017 (Thursday)**

Dr. Arthur Sylvester, UCSB  
*Roadside Geology of Southern California*

**IGS MEETING LOCATION:**

**LSA Associates, Inc.  
1500 Iowa Ave, Suite 200  
Riverside, CA 92507**

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