

August 2018



AEG Sacramento Section

Thursday, August 2, 2018

Speaker: Mike George, Ph.D., P.E.
BGC Engineering, Inc. – Golden, CO
mgeorge@bgcengineering.ca

Topic: “Rock Erodibility for Dam Foundations and Spillways”

Location: Yolo Brewing Company
1520 Terminal St, West Sacramento, CA 95691

Parking: Lots of free parking! [Link to map](#)

Meeting Sponsors: TBD

Dinner catered by: Chando’s Tacos (choice of beef, chicken, pork, or vegetarian)

RSVP: **Please RSVP by Close of Business Monday, July 30!**

Agenda:

5:30-6:15pm – Social hour
6:15-7:00pm – Announcements & Dinner
7:00-7:45pm – Speaker
7:45-8:00pm – Questions

Meeting Cost:

Members: \$30
Non-Member: \$35
Students: \$10 (the FIRST 5 students to RVP are free!)
There will be a \$5 surcharge for walk-ins.

Student Sponsorships welcomed! Sponsor a student for \$20 (suggested).

RSVP at <http://www.aegsacto.org/meetings/signup/>
or email: chase.white@conservation.ca.gov

“Rock Erodibility for Dam Foundations and Spillways”

August 2, 2018

Presented by: Mike George, Ph.D., P.E.
BGC Engineering, Inc. – Golden, CO

Scour of rock poses a critical challenge to operation and management of key infrastructure such as dam and spillways. This has most recently been made evident by the 2017 flood events at the Oroville spillways. Key to reliable operation of these facilities is proper understanding and quantification of the scouring process. This has been limited, in part, by a lack of high resolution field data to support idealized studies from which existing prediction methodologies are developed. This talk provides an overview of the rock scour process, some relevant cases studies as well as presentation of recent research to facilitate more detailed, site specific rock scour assessment.

About our Speaker:

Dr. George is a Senior Engineer for BGC Engineering, Inc. in Golden, CO. He holds a B.S. degree in Geological Engineering from the Colorado School of Mines as well as a M.S./Ph.D. in Civil Engineering from the University of California – Berkeley. Dr. George has worked as a consulting engineer and researcher in the United States and abroad specializing in rock mass erodibility for dams and spillways and has authored several papers on the subject.

