

Inland Geological Society

Newsletter of the Inland Geological Society

Volume 24 No. 3



This Meeting:
**Thursday,
March 6th**

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

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

Coming to
Dinner?
Please RSVP:
By Tuesday 3/4
(951) 782-3295
dlass@
waterboards.ca.gov

March 2008

<u>In this Issue:</u>	
• March Speaker–Richard Escandon.....	1-2
• Job Opportunities	2
• Upcoming Events/IGS Meeting Schedule/CSUSB Needs Input.....	3
• Current IGS Officers	4
• LSA MEETING LOCATION MAP	4

March Speaker:

Richard Escandon, PG, CEG
Kleinfelder, 1220 Research Drive, Redlands, CA

KLEINFELDER

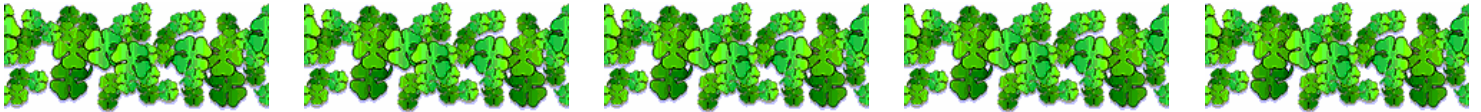
Think Deep – Tunnel Alignments, Cleveland National Forest, CA

Abstract

What does it take to drive an 18-foot diameter, ten-mile long water tunnel beneath Cleveland National Forest, California? The geotechnical design issues for the proposed Central Pool Augmentation water tunnel that will be 2,500 feet below ground are reviewed and contrasted with the design issues for companion transportation tunnels being evaluated by the Riverside Orange Corridor Authority. Exploration methods including continuous rock coring, rock mass classification, in-situ testing, and long-term monitoring programs are in progress to answer many of the questions about geology and hydrogeology that impact the feasibility of driving a deep tunnel and designing for 2,000 feet of crushing hydraulic head on the tunnel lining.

Biography:

Richard Escandon is a Principal Geologist with Kleinfelder in Redlands, California, and a Professional Geologist and Certified Engineering Geologist in California. He has 29 years of experience practicing engineering geology, mostly in southern California, but also in other parts of the country. Much of his experience has been gained working on tunnel projects, beginning in 1987 with the Los Angeles Metro Rail tunnels, more recently on the Arrowhead Tunnels for MWD from 1995 to 2000, and with other projects throughout California and the Western U.S. He is a member of Kleinfelder's Tunneling and Underground Construction Practice Group and also has been a member of the AEG Tunneling Committee since 1995. Richard is currently Lead Engineering Geologist for Kleinfelder on both the Central Pool Augmentation Tunnel project as well as the Irvine-Coron Expressway Tunnel Feasibility Study.



Job Opportunities



Hargis + Associates, Inc., a San Diego based consulting firm specializing in hydrogeology and engineering, currently has opportunities in San Diego for the following positions:

CAD Technician: Ideal candidate is a highly qualified professional for preparation of engineering and geologic graphics. Position requires experience in AutoCAD and with engineering process design. Experience with Civil 3D, Land Development Desktop, AutoPlant, and Arcview a plus.

Engineer: Candidate w/B.S. Degree in Chemical, Civil, or Mechanical Engineering, EIT Certification and/or a Masters Degree is a plus. Only entry level candidates will be considered. Candidate should possess strong writing and presentation skills. Position will be based in San Diego, California, and will require some travel and field work. Valid driver's license and U.S. Citizenship required. OSHA 40-hour training preferred, but not mandatory.

Hydrogeologist: Candidate w/B.S. Degree in Geology and M. S. Degree would be a plus. Entry level position, with work including soil and groundwater sampling, well installation, aquifer test analysis, and report preparation. Candidate should possess strong writing and presentation skills.

Candidate with Hydrogeology coursework or GIS background is a positive. Position will be based in San Diego, and will require travel and field work. Only entry level candidates will be considered. Valid driver's license and U.S. Citizenship required. OSHA 40-hour training preferred, but not mandatory.

Staff Hydrogeologist: Position requires minimum a B.S. Degree in Geology, and 3 to 5 years relevant experience, including experience with soils and groundwater sampling, well installation, work plan and report preparation, task management, cost estimating and scheduling. Candidate should possess strong organizational, writing and presentation skills. California Professional Geologist (PG), or ability to obtain within two years, groundwater modeling experience, and Masters degree is a plus. Position will be based in San Diego, and will require some travel and field work. Valid driver's license and U.S. Citizenship required. OSHA 40-hour training required.

Hargis + Associates offer competitive salaries and benefits, and a challenging work atmosphere. Hargis + Associates is an Equal Opportunity Employer. To learn more about Hargis + Associates, please visit our website at: www.hargis.com. No phone calls please. Qualified candidates should send resumes, along with a cover letter summarizing experience and salary requirements to:

Hargis + Associates, Inc.
Attention: Jennifer Layton
2365 Northside Drive, Suite C-100
San Diego, CA 92108

Upcoming Meetings/Events

AEG—Southern California Meeting:



Anthony Martin, Geovision Geophysical Services. *Engineering Geophysics*.

Meets this month at Marie Callender's, 1625 Industrial Park Avenue, Redlands, Ca.

5 p.m. Wednesday, March 19, 2008

For more information, see <http://www.aegsc.org/chapters/inlandempire/>

GSA—2008 Combined Section Meeting

Cordilleran (104th Meeting) and Rocky Mountain (59th Meeting)

March 19-22, 2008

Las Vegas, NV

<http://www.geosociety.org/sectdiv/cord/08mtg/>

2008 Desert Symposium & Field Trip

California State University's Desert Studies Center at Zzyzx, California, 22nd annual Desert Symposium: *Development of the Colorado River and its entry into the Salton Trough*. Abstracts of the proceedings and a field trip guide will be published.

April 18-21, 2008

Field Trip—April 19-21, 2008

For more info, contact Dr. William Presch at: wpresch@fullerton.edu

RIMS Science and Engineering Fair—April 15, 2008

It's time again to solicit judges for the Inland Science and Engineering Fair, an annual competition of science projects by students from schools in Riverside, Inyo, Mono and San Bernardino counties.

Experienced judges with science background or knowledge critique the projects.

For more information, contact Steve Mains or Patrice Copeland or visit the following website:

http://www.sbcss.k12.ca.us/CnI/cni_DOST_rimsSciEngr.php

IGS Meeting Schedule

April 2, 2008 (Wednesday)

Cindy Li, Santa Ana RWQCB
Septic Tanks Impact on Lake Williams

May 1, 2008 (Thursday)

David Lynch, Thule Scientific
San Andreas Fault

June 4, 2008 (Wednesday)

TBA

July 10, 2008 (Thursday)

George Copenhaver, Geocon
Geology of the San Diego & Arizona Eastern Railway, San Diego & Imperial Counties, California, USA & Baja California, Mexico

CSUSB Needs Input:

Possible Geology Master's Program for California State University, San Bernardino

The university is seeking input from the local community regarding the possibility of providing a Geology Master's program. How necessary is this to you? Let CSUSB know. Please complete a questionnaire, which is available at the Department's website: <http://geology.csusb.edu>. For more information contact: CSUSB department chair, Dr Alan L. Smith at alsmith@csusb.edu, Jeff Fitzsimmons (jeff@johnbyerlyinc.com) or Steve Mains (watermains@aol.com).

PLEASE take the time to response to the questionnaire.



IGS MEETING LOCATION:

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

**2008 IGS OFFICERS****President**

Greg Johnson, LADPW
 gjohnson@ladpw.org
 626.458.4923

Vice President

Thomas Deane, Deane Hydrology
 deanehydro@verizon.net
 909.747.4515

Secretary

Dixie Lass, Santa Ana RWQCB
 dlass@waterboards.ca.gov
 951.782.3295

Treasurer

Margaret Gooding, LSA Associates
 Margaret.gooding@lsa-assoc.com
 951.781.9310 x279

Web Mistress

Marina West, Joshua Basin WD
 marinawest@jbwd.com
 760.910.3447

Web Master

Ernie Roumelis, AKW Geotechnical
 eroumelis@verizon.net
 951.265.9849

Newsletter Editor

Patrice Copeland, Santa Ana RWQCB
 pcopeland@waterboards.ca.gov
 951.321.4576

Membership

Steven E. Mains, Watermaster Support
 Services
 watermains@aol.com
 951.780.5636

Inland Geological Society Newsletter

c/o Copeland Consulting

3940 Melody Lane

Riverside, CA 92504