



**ASSOCIATION OF ENVIRONMENTAL &
ENGINEERING GEOLOGISTS**
SOUTHERN CALIFORNIA SECTION, SAN DIEGO CHAPTER
"Serving Professionals in Engineering, Environmental and
Ground-Water Geology"

San Diego Chapter, October 2008 Newsletter

AEG MEETING NOTICE: TUESDAY, OCTOBER 14, 2008.

PLEASE JOIN US FOR AN EVENING OF FAULT FILLED FRIVOLITY AND Political Arm Twisting. The San Diego Section of AEG, is proud to present two discussions of recent fault investigation results. Join us in the cozy confines of Ninyo & Moore's conference room. Social Period starts at 5:30 PM, talk at 6:00 pm. In case you've forgotten, Ninyo & Moore, is located at 5710 Ruffin Road, San Diego, CA. Please contact Lesley Barnes at Tetra Tech (lesley.barnes@ttemi.com) to RSVP. Dinner is buffet-style. Cost is \$20.

Our speakers for the Wednesday night meeting are Dave Schug of URS and Bob Stroh of Leighton and Associates who will discuss recent (well, within the last few years anyway) fault investigations in San Diego.

Dave Schug is a graduate of San Diego State University where he earned his Bachelors and Masters Degrees in 1978 and 1986, respectively. He has worked locally for URS Corporation (formerly Woodward-Clyde Consultants) for about 30 years.

In 1998, Dave carried out a fault hazard investigation for the proposed nuclear aircraft carrier wharf at the North Island Naval Air Station. Preliminary studies based on shallow seismic reflection profiles from nearby areas of San Diego Bay indicated the active Spanish Bight fault would impinge on the proposed nuclear carrier wharf. Additional subbottom seismic reflection profiles, including a relatively deep multi-channel "bay cable survey" were performed in the near shore areas where the amorphous acoustic nature of the near surface sediments and the existing wharf made it difficult to resolve faulting. The fault traces interpreted from the bay cable records appeared to represent an upward branching "flower" structure characterized by a deep main trace with lateral branches in the upper section. Although the deep main trace was located east of (and not below) the proposed wharf, several upper branches projected upwards and appeared to underlie the proposed wharf location. At that time (prior to Alquist-Priolo Zonation), wharf design mitigations included setting back from the fault, relocation of essential facilities, or accepting some risk of potential fault rupture.

Dave's talk will review the previous Spanish Bight fault study results, along with some arm waving at similar settings around San Diego Bay.

Robert Stroh is Senior Project Geologist at Leighton and Associates. He is a PG and CEG in the State of California. Mr. Stroh has over 18 years experience in engineering geology and conduct-



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ing geotechnical engineering evaluations in the San Diego area, and has in particular, completed numerous fault hazard evaluations in the downtown San Diego Metropolitan area.

The La Nacion Fault Zone (LNFZ) consists of a series of parallel to subparallel faults that extend approximately 20 miles from the US/Mexico border northward to the area south of Mission Valley. Historically, investigations have shown both pre and post-Holocene ages for the fault resulting in various conclusions regarding the activity level of the fault. Geomorphic evidence of recent activity is missing.

Recent fault exploration has provided new evidence showing portions of the La Nacion Fault Zone are active. Elongation and shearing of a secondary carbonate bleb along with shearing of colluvium within the main fault contact were observed in exploratory trenches. Several very linear contacts between the colluvium and the fault indicated offset along with a colluvial filled fissure extending approximately 2 feet below the base of the colluvial contact.

WE ARE LOOKING FOR A FEW GOOD MEN OR WOMEN

to come to the aid of our Chapter. Since we are in the midst of uplifting and inspiring national political campaigns, we've decided see who wants to throw their hat in the ring. The Chapter is looking for candidates for San Diego Section President, Vice President and Newsletter Editor. With the plethora of available accountants from the recent Lehman Brothers bankrup...er...reorganization, we've already filled the position of Secretary of the Treasury with David Russell (even *we* passed on Mr. Paulson). It's a great chance to serve your practice, enhance your resume, and, maybe, fill a few non-chargable hours on your timesheet with legitimate networking. The more participants, the easier the load, so don't be shy.

PRESIDENTS COMMENTS BY STEVE BRADLEY

The October meeting will provide you an opportunity to find out more about the services that the chapter provides and to get involved if you are so inclined. Nominations will be accepted and a vote held for the positions of President and Vice-President of the Chapter. The chapter has evolved since its inception three years ago and could use some fresh ideas and energy for the upcoming year, please consider taking on a role in supporting the AEG in San Diego, it is quite rewarding and with a strong and active board requires very little of your time.

I haven't heard much news on last months national convention, but maybe we can convince the Murbach's to give us the inside scoop at one of the upcoming meetings..... next years meeting is at **Lake Tahoe**, get it on your calendar now.

Don't forget that the national AEG is sponsoring a **photo contest**. Photos and videos need be original material and appropriate for web posting. AEG will credit the submitter, and the top three photos and videos will be shown at the AEG Annual Meeting and be awarded a prize! Send your files by September 1, 2008 to Becky Roland at: broland@aeweb.org or mail the information to: AEG, PO Box 460518, Denver, CO 80246



LID COMMITTEE UPDATE

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LID Committee Meeting Minutes - September 9, 2008 September 11, 2008

(1) Can we still have an impact on the City guidelines? Unresolved issue.

(2) Actions

a) Committee to work on suggesting changes to Appendix G of the City of San Diego Guidelines for Geotechnical Reports with goal of coming to next meeting to discuss specific changes

b) Jonathan to distribute Appendix G of the City of San Diego Guidelines for Geotechnical Reports in MS Word format (**I will send invitations to join a Google Docs group; it allows all contributors to view each others changes and edit the doc as a group; you will receive an invitation to join shortly; please contact Jonathan with questions on this**)

3) Next Meeting

a) October 7, 2008: Offices of Ninyo & Moore, 11:30 am

AEG AND USEFUL LOCAL LINKS

- Southern California Section AEG: <http://www.aegsc.org/>
- National AEG: <http://www.aegweb.org/>
- San Diego Association of Geologists <http://www.sandiegogeologists.org>
- American Society of Civil Engineers, San Diego Geotechnical Group http://www.asce-sd.org/groups_geotech.asp
- San Diego State University, Geology Department <http://www.geology.sdsu.edu>



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As a service to our members, AEG San Diego welcomes job postings - either for open positions or jobs wanted. Please contact Lee Vanderhurst (lvanderhurst@geotechnicsinc.com) for information on advertising in this newsletter. The cost for an ad is \$25 per month

CHAPTER CONTACT INFORMATION

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