



## Meeting Details:

- **Tuesday, March 11th**
- Sinbad's Pier 2 Restaurant
- 6:00pm – Cocktail Hour
- 7:00pm – Dinner
- 8:00pm – Speaker
- \$30 members, \$15 students who call Dr. Williams, 408-924-5050.

**Reservations Due By NOON, FRIDAY, MARCH 7TH!**

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## MARCH 2003 PROGRAM: STUDENT NIGHT

Brian Collins, UC Berkeley

### ***OBSERVATION AND ANALYSIS OF FAILURE MODES OF HARD SOIL-SOFT ROCK COASTAL BLUFF SYSTEMS***

Failure of hard soil-soft rock, coastal bluff systems in Half Moon Bay and Pacifica, California is an ongoing process initiated by several natural forces, including rainfall, wave impact and earthquakes. An intense research program has been initiated to observe, analyze and predict the various failure modes of these types of materials using state of the art technologies. As part of the observational effort, three-dimensional laser scanning techniques are being employed to obtain highly accurate digital terrain models of individual bluffs such that volumetric comparisons of failures are made over time. In addition, site specific mapping of exact bluff lithology using differential GPS and a portable mapping computer are allowing for collection of geologic data at the decimeter scale. The goal of this project is to formulate a GIS based model that links site specific lithology, failure mode identification, and the magnitude of future cliff failures over two, three-kilometer stretches of coastline.

Amy Padovani, Stanford University

### ***GIS: A GREAT TOOL FOR EARTHQUAKE ENGINEERING***

Liquefaction hazard maps were prepared for Alameda, Oakland and Piedmont, California, using the liquefaction potential index (LPI) to assess the liquefaction hazard of surficial geologic units. LPI values were computed from 133 cone penetration test (CPT) soundings conducted in different geologic units in the study region. For an M7.08 earthquake on the nearby Hayward Fault, the maps predict that 72% of the area underlain by artificial fill and 6% of the area underlain by Holocene alluvial fan will undergo liquefaction. Shear-wave velocities of surficial geologic units were measured at 210 sites in the study region. With the exception of the younger bay mud that underlies the San Francisco bay, shear-wave velocities of the units are approximately constant with depth. The depth dependence of the velocity of the younger bay mud most likely is caused by consolidation. The velocities of each geologic unit are normally distributed and average values increase with geologic age. Velocities below the water table are about 7% less than those above it.

Robert J. Urban, San Jose State University

### ***ORIGIN OF THE MISSION DIAMICTON (DEBRIS FLOW) AND ASSOCIATED GEOHAZARDS TO THE CITY OF SANTA BARBARA, CALIFORNIA***

A voluminous debris flow fan, termed the Mission diamicton, associated with the failure of a landslide dam is recognized in the residential development of the foothills of the City of Santa Barbara, California. The Skolfield landslide dam (3.7 x 106 m3), and associated slope failures (6.6 x 106 m3) contributed to the genesis of the Mission diamicton (8.7 x 106 m3). Geophysical investigation identifies the thickness of Mission diamicton piedmont deposits and the More Ranch – Mission Ridge fault locations. Geologic and structural data support the hypothesis that the Skolfield landslide failure occurred in Sespe Formation bedrock. Overlying mid- to late-Pleistocene conglomerate were mobilized and contributed to mega-debris flow materials. Tectonic relationships constrain the age of the Mission diamicton to younger than 45 ka. Radiocarbon dating of Mission diamicton deposits may provide fault rupture hazard evaluation and constrain the timing of environmental (climatic and/or seismic) conditions for assessing debris flow, landslide dam formation and failure, and slope failure hazards to the City of Santa Barbara, California.

*Speaker Biographies Continued on Page 2*

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The AEG San Francisco Section Newsletter is a monthly publication of the San Francisco Section of the AEG.

For more information, visit [www.aegsf.org](http://www.aegsf.org).

**Submittals:**  
Deadline is the 20th of each month for the following issue. Contact Maile Smith by email ([newsletter\\_editor@aegsf.org](mailto:newsletter_editor@aegsf.org)) for submittal. All submittals are subject to editing for space considerations. Employment notices are free if brief.

**Address changes:**  
Please submit to Section Secretary, Lisa Gentry ([secretary@aegsf.org](mailto:secretary@aegsf.org)).

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**IN THIS ISSUE...**

- *Chair's Message*
- *March Section Meeting Details*
- *February Meeting Notes*
- *Announcements, Member Updates, and Other News*
- *Field Trip and Short Course Announcements*
- *Employment Notices*

**Brian Collins' Biography**

Brian is a third year doctoral student in geotechnical engineering and engineering geology at the University of California, Berkeley. He received his Masters degree in geotechnical engineering from the University of Colorado, Boulder and his bachelors degree in civil engineering from Purdue University. Brian's research interests include debris flow initiation, unsaturated flow modeling, digital mapping and GIS applications, and investigations into the failure mechanisms of weak rock coastal cliff systems, the subject of his PhD work at Berkeley. He worked for Golder Associates in Denver, Colorado for three years, participating in all sectors of the industry including landfill permitting and design, tailings dam design, and avalanche retaining wall design. Brian is a registered professional civil engineer in California.

**Amy Padovani's Biography**

Amy was born June 13, 1978 in Mayagüez, Puerto Rico. On May 2001, She received her undergraduate degree in Civil Engineering from the University of Puerto Rico-Mayaguez Campus. Amy currently is attending Stanford University, where she is working to complete a Master's degree in Geotechnical Engineering by the end of March 2003.

**Robert Urban's Biography**

Robert received a B. S. degree in the geological sciences from the University of California at Santa Barbara in 2002. He is currently a San Jose State University graduate student focusing MS studies in engineering geology, the SJSU geology club president, and the student liaison for the AEG San Francisco section. Robert has worked as a geologist for approximately three years in northern and southern California and is interested in geohazard identification and evaluation.

**THE MARCH SECTION MEETING IS SPONSORED BY SAN JOSE STATE UNIVERSITY'S GEOLOGY DEPARTMENT**

**MARCH SECTION MEETING DETAILS**

The March Section Meeting will be held at Sinbad's restaurant, Pier 2, Embarcadero Street (cross street: Mission), San Francisco, California, 415-781-2555. Please enter through the main door and proceed to your left.

**Directions**

From 101 North - Exit I-80 East towards Bay Bridge/Oakland. Continue for about ½ mile and take the 7<sup>th</sup> Street exit towards Downtown. Bear left on 7<sup>th</sup> Street. After approximately ½ mile, turn right on Mission Street. Continue until Embarcadero Street.

From 80 West (Bay Bridge) - Take the Harrison Street exit towards Embarcadero. Continue on Fremont Street for ½ mile. Turn right on Mission Street. Continue until Embarcadero Street.

**Reservations must be faxed to Chris Hundemer by noon on Friday March 7th.**

See the back cover of the newsletter for the RSVP form.

**NO SHOWS AND LATE CANCELLATIONS WILL BE CHARGED**

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## **CHAIR'S MESSAGE**

Being an AEG Officer means constantly thinking of ways to serve the AEG members. This means planning monthly meetings with interesting and informative presentations, providing a newsletter and a web page with current information, planning short courses and field trips, selling publications, answering all sorts of questions (or finding someone who can answer them), and so much more.

In addition to serving our members, we have the task of recruiting new members and retaining current members. Currently, AEG SF has 278 members (those who have paid their dues for this year). The bad news is that 41 members did not pay their dues this year. If you know someone who hasn't paid their dues this year, please encourage them to do so. The good news is that we have gained 23 new members since January 2002. The seniority of our members ranges from our newest member, John Shipstead, who joined in January 2003, to Jay Smith, who has been a member for 46 years.

Getting students involved in AEG is great way to gain the interest of potential new members. Our Student Liaison, Robert Urban, has been doing an excellent job contacting students from colleges and universities in the San Francisco area and keeping them informed about AEG activities.

The March meeting is traditionally Student Night, and this year is no exception. Three students, one from San Jose State, one from Berkeley, and one from Stanford, will present their research. (This year, two of the three students who will be speaking at the March meeting attended the February meeting also.) I encourage all of you to attend Student Night. This is a perfect opportunity to learn from the students' presentations and to have a glimpse of some future Engineering Geologists. It's also an opportunity for the students to meet potential employers, colleagues, and mentors.

I look forward to seeing many of you at the next Section meeting.

*Corinne*  
Chair, AEG San Francisco Section

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## **FEBRUARY MEETING NOTES**

At February's meeting we heard from Mark Eischeid, a landscape architect who also graduated from Stanford with a BS in Applied Earth Sciences. He described the current trend for housing and other building projects and developments that incorporate the Alquist-Priolo Act into the design. There are multiple ways that current builders and developers work within the restrictions of the AP Act. They place greenways, parks, trails, roads, parking lots and wider front and back yards along the zone. When looking at current aerial photographs you can easily find the AP zone in developments built after 1972 if you know what you are looking for. Since this time, it seems that the AP Act has had an unexpected impact on

the places we work, live and play, and our environment. He suggested maintaining the natural landscape features to help teach future generations about geology, rather than just pave over and re-work these features.

It was a good turnout at Sinbad's in San Francisco. This month's meeting, which is student night, is also at Sinbad's. Hope to see you there.

Lisa Gentry  
Secretary, AEG San Francisco Section

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## **UPDATED GEOLOGIC MAPS**

### **California Seismic Hazards Mapping Program**

Many Seismic Hazard Zone (SHZ) maps have been updated over the last year and several are preliminary. To view maps or to download maps and data, visit <http://gmw.consrv.ca.gov/shmp/index.htm>.

Santa Clara County's Geologic Hazard Zones (which include Landslide and Liquefaction Hazard Zones) are revised to include State Geologist updates of California's SHZ maps. Updates of the Santa Teresa Hills and Morgan Hill Quadrangles are expected in mid-2003. To learn more about this program, visit [http://www.sccplanning.org/planning/content/MapsGis/MapsGis\\_Geologic\\_Hazards.jsp](http://www.sccplanning.org/planning/content/MapsGis/MapsGis_Geologic_Hazards.jsp), or contact James Baker at 408-299-5774 or [jim.baker@pln.co.scl.ca.us](mailto:jim.baker@pln.co.scl.ca.us).

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Sponsor a Section Meeting! Show support for an individual presentation or a specific meeting.

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Contact Corinne Stewart at [chair@aegsf.org](mailto:chair@aegsf.org) for more information on sponsorship.

***AEG San Francisco Section Thanks our  
Academic Sponsor!***

**San Jose State University**

**San Jose, California**

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## **ENGINEERING GEOLOGY FOUNDATION**

The Engineering Geology Foundation is a federally tax-exempt, non-profit, public-benefit corporation incorporated in the State of California in September 1992 by three past presidents of the AEG, which served as founding sponsor of the Foundation. The Foundation is dedicated to advancing research, education, public awareness and technology transfer in the field of Engineering Geology and related fields of Environmental

Geology, and Hydrogeology through publications, speakers, programs, research grants, scholarships, and maintenance of archival data. The programs of the Foundation are supported by private and corporate donations and by bequests.

Contributions can be sent to:  
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**Thank You to the Corporate Sponsors of  
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**MEMBER UPDATES AND OTHER NEWS**

**CCGO Legislative Drive-In March 4**

We are actively seeking participation of geologists for the March 4, 2003 Fourth Annual Sacramento Drive-In. Numbers count! This is an all-day event. CCGO participants will meet in person with several elected legislators and administrators in their Sacramento offices and discuss upcoming legislation and other subjects of concern. Among the officials on our schedule are John Parrish of CGS, Paul Sweeney of BGG, the Secretary of Education's Policy Analyst Shawn Miller, Assemblymember Joe Nation, and Marc Grisby from the Governor's Office of Appointments; other appointments are tentatively scheduled, pending confirmation. PLEASE JOIN US by contacting Jim Jacobs (augerpro@jps.net), former CCGO President and organizer of the event.

**Seven States to Sue Bush Administration to Force CO<sub>2</sub> Controls**

The attorneys general of Connecticut, Maine, Massachusetts, New Jersey, New York, Rhode Island, and Washington have announced their intent to sue the Bush Administration in order to force the USEPA to regulate carbon dioxide (CO<sub>2</sub>) emissions from coal-fired power plants. The lawsuit alleges that the USEPA has violated the Clean Air Act by failing to conduct its mandated analysis of power-plant emissions and imposing the necessary CO<sub>2</sub> controls. "At a time when the rest of the world is taking steps to reduce carbon dioxide emissions, our nation is not even attempting to slow the rate of growth in its emissions," said New York Attorney General Eliot Spitzer in announcing the states' intent to sue.

**New CCGO Officers & Other Highlights**

Congratulations, and a sincere welcome to our 2003 California Council of Geoscience Organizations (CCGO) officers. A short biography and/or e-mail for each officer is posted at <http://www.ccco.org/officers>.

- President: Sue Jagoda, California Earth Science Teachers Association
- Vice Pres./President Elect: Rick Blake, American Association of Professional Geologists, Pacific Section
- Secretary: David Abbott, Groundwater Resources Association
- Treasurer: Anne Cavazos, Association for Women Geoscientists
- Past President: Jim Jacobs, Association for Engineering Geologists, SF Section

**Endorsement of J.C. Isham for SMGB**

CCGO recently endorsed the application of Julian C. Isham for appointment to the State Mining and Geology Board. Mr. Isham is known to geologists throughout the state for his familiarity with legislative issues pertinent to California's geologic resources and hazards, and his professional work on prevention and remediation of soil and groundwater contamination.

Monthly progress reports are e-mailed to CCGO members on record, as well as others who want to stay informed of our activities. Our latest report (February 1, 2003) is posted at [www.ccco.org](http://www.ccco.org). Please contact CCGO Executive Director Jane Gill (JaneHGill@aol.com) to be added to our mailing list.

**OTHER MEETING ANNOUNCEMENTS**

**AEG Annual Meeting**

The 2003 Annual AEG meeting will be held September 16-19 in Vail, Colorado. Abstract submittals are due May 1, 2003. Please visit [www.aegweb.org](http://www.aegweb.org) for more details.

**CCGO Northern California General Meeting**

The CCGO Northern California General Meeting is scheduled for Tuesday, May 13, 2003. The meeting will be hosted by AEG SF Section, and will be held at the Old Spaghetti Factory, Jack London Square, Oakland. The speaker will be Dr. Chester F. "Skip" Watts, the 2003 AEG-GSA Richard H. Jahns Distinguished Lecturer; Congressional Science Fellow; University Distinguished Professor, Radford University; and Director of Institute for Engineering Geosciences. The topic will be "Rockslides in Yosemite National Park". For details, please contact Betsy Mathieson (emathieson@exponent.com).

The Southern California General Meeting, hosted by AEG SoCal, will be held on Monday, May 12, 2003: location TBA.

### **Tetra Tech to acquire Foster Wheeler**

Tetra Tech Inc. (Pasadena, California) and Foster Wheeler Ltd. (Clinton, New Jersey) have reached an agreement whereby Tetra Tech will acquire Foster Wheeler Environmental Corporation for \$80 million in cash. Foster Wheeler Environmental reported gross revenues of about \$300 million in 2002, about 80% of which was derived from federal contracts. "Strategically, this acquisition will strengthen our relationship with the federal government, which has been and is expected to be our strongest customer base," said Tetra Tech CEO Li-San Hwang. The companies expect to complete the deal by the end of March.

### **Environmental Industry Summit 2003**

Only 3 weeks left to register! The first annual environmental industry summit will be held in San Diego on March 19-21, 2003. This event is the environmental industry's top executive retreat where you will meet other industry executives and get new industry perspectives in issue- and sector-specific sessions. For more information and online registration visit <http://echo.bluehornet.com/ct/ct.php?t=148711&c=84895544&m=m&type=3>

***Thank You!***

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### **SHORT COURSES**

#### **Analysis of Landslides: Shear Strengths, Testing and Stability Methods**

The ASCE Geotechnical Group is sponsoring an upcoming one-day seminar on Thursday, March 27, 2003, from 8:00 AM to 5:00 PM. The seminar will be held at the Holiday Inn in Emeryville and will be followed by ASCE's regular dinner meeting at Spenger's Fish Grotto in Berkeley. The seminar will be presented by Timothy D. Stark, Ph.D., P.E., Professor of Civil Engineering, University of Illinois, and David R. Cooper, Cooper Testing Labs, Inc., in cooperation with the ASCE San Francisco Section Geotechnical Group.

The cost is \$425, payable to Stark Consultants, Inc. Register by (1) calling 217-840-8263, (2) e-mailing [stark@shout.net](mailto:stark@shout.net), or (3) sending registration information to Stark Consultants, Inc., P.O. Box 133, Urbana, Illinois, 61803.

### **Artificial Recharge In California - Technical And Policy Challenges**

GRA announces a joint workshop with the U.S. Geological Survey and California Department of Water Resources, in cooperation with the International Association of Hydrogeologists on April 30 and May 1, 2003, in San Jose, California. A field trip (details below) is also planned for May 2, 2003.

This workshop will provide presentations on the status of artificial recharge in California, including the intricacies and challenges faced to implement and manage artificial recharge projects, case histories, and the political and policy issues.

The following specific workshop topics are planned:

- Overview of current and planned artificial recharge in California
- Hydrologic challenges
- Water quality challenges
- Microbial challenges
- Policy challenges

Updated information on the workshop and field trip will be available at GRA's web site at <http://www.grac.org/artificialrecharge.html>.

### **Model Calibration and Predictive Uncertainty Analysis using PEST**

This workshop, sponsored by the Groundwater Resources Association of California and co-sponsored by Watermark Numerical Computing, SSP&A, and ESI, is scheduled for April 29 through May 1, 2003 in San Francisco, California. The principal instructor will be Dr. John Doherty, author of PEST. For more information, or to register for the PEST course, please visit <http://www.grac.org/pest.html>.

This short course will focus upon the use of PEST, the most advanced available technology for groundwater water and surface water model calibration, and uncertainty analysis. Using PEST you can apply state-of-the-art calibration and predictive uncertainty analysis methods in your every day modeling applications, allowing you to model the movement of water and contaminants in more powerful ways than ever before. PEST has been freeware since February 2001, and is available for download together with all it's accompanying utility software, from <http://www.sspa.com/PEST>.

Contingent upon the level of interest from the modeling community, an additional fourth day of PEST may be added, devoted to detailed discussion and demonstration of the use of PEST in the participants models - this will be at a minimal additional cost.

### **One-Day Seminar: Identifying and Managing Uncertainty in Groundwater and Surface Water Models**

A one-day seminar titled "Identifying and Managing Uncertainty in Groundwater and Surface Water Models",

on Monday, April 28, 2003, will be held in Sacramento, California. This seminar will be geared towards anyone who makes decisions using, or based upon, models - including managers, legislators, non-modelers, and modelers who are unfamiliar with uncertainty analysis and the role of uncertainty in models. For more details, please email [pest@sspa.com](mailto:pest@sspa.com).

For Short Course information and submittals, please contact:

Ernie Solomon  
Short Course Chair, AEG San Francisco Section

## FIELD TRIPS

### Artificial Recharge In California - Technical And Policy Challenges

The Santa Clara Valley Water District will host a tour of its groundwater recharge facilities on May 2, 2003. The tour will include supplied transportation and lunch, start at the workshop hotel at approximately 8 in the morning and return to the workshop hotel at approximately 3 in the afternoon (details on the workshop provided above).

Concern over significant water level drops and subsidence in Santa Clara Valley in the 1920's led to the formation of the Santa Clara Valley Water Conservation Committee, the first focused-area studies of causes and plans for mitigation, and the subsequent forming of the Santa Clara Valley Water Conservation District. Since the 1930's, Santa Clara Valley has had an artificial recharge program to assist in restoring water to the underlying aquifers, reduce subsidence and minimize further declines in groundwater elevations. The water district currently operates 18 major recharge systems, which consist of a combination of off-stream and in-stream facilities. The total annual average recharge capacity of these systems is nearly 160,000 acre-feet.

Updated information on the workshop and field trip will be available at GRA's web site at <http://www.grac.org/artificialrecharge.html>.

### Friends of the Pleistocene

The FOP (Pacific Cell) holds annual field trips (usually three days in the fall) that focus on neotectonics, paleoseismology, geomorphology, and other aspects of Quaternary geology. To make sure you're informed of future trips, sign up for the FOP Pacific Cell email list by following the instructions on the FOP Pacific Cell web site (<http://pacific.pleistocene.org/>), or emailing John Wakabayashi at [wako@tdl.com](mailto:wako@tdl.com). To see annotated photos from the 2001 field trip, visit John's web site at: <http://www.tdl.com/~wako/geopics.html>.

For Field Trip information and submittals, please contact:

Drew Kennedy  
Field Trip Chair, AEG San Francisco Section

## ENGINEERING GEOLOGY PRACTICE IN NORTHERN CALIFORNIA

As we head into 2003 and continue to look for relevant reference materials for our engineering geologic investigations consider utilizing the papers contained in the joint AEG/CGS publication *Engineering Geology Practice in Northern California*. The AEG SF Section still has plenty of these volumes and I will be hauling several boxes to each of the monthly section meetings. By being an AEG member and coming to the meeting you can save 10% off the price (\$85.50 instead of \$95.00) and save an additional \$6.50 in shipping. The publication contains contributions from several of the section members and is a must for your bookshelf. Please contact me at [publications\\_chair@aegsf.org](mailto:publications_chair@aegsf.org) if you would like me to send you a copy, or come to the next meeting and take home one (or more) at the discount price. We also have several copies of the 2002 AEG short course "Tunnels Through Fault Rocks and Tectonic Melanges" field trip and lecture notes.

To order "Engineering Geology Practice in Northern California", contact Publications Chair Bill Godwin at [publications\\_chair@aegsf.org](mailto:publications_chair@aegsf.org).

## Soil Tectonics

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Seeking a Senior Geologist, Hydrogeologist or Civil/Environmental Engineer with Project Management experience in investigation and remediation of petroleum hydrocarbons for major engineering and environmental firm in Sacramento, California.

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Please send your resume by March 31, to Craig Travis, [ctravis@sequencestaffing.com](mailto:ctravis@sequencestaffing.com).

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Evaluates sources of material sedimenting sensitive habitats. Measures and simulates sediment transport. Plans, designs and monitors channel and wetland restoration/creation efforts. Many assignments include identifying sources of sediment or channel instability, and recommending and implementing restoration. Entails significant interaction with biologists and land managers. Strong geologic background and familiarity with standard hydrologic and water quality databases are highly desirable. California registration and well-developed map/aerial photo interpretation skills a must.



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**HABITAT HYDROLOGIST / HYDROGEOLOGIST**

Directs feasibility and conceptual design studies for wetland and channel restoration and enhancement programs throughout California. Measures and models flows, nutrients, and solutes entering seasonal wetlands, including seeps or swales. Under direction of a senior hydrogeologist, formulates and conducts ground water assessments. Depending upon interest and background, may also contribute to non-point source water quality control efforts, water-rights investigations, or erosion control programs. Other desirable skills include GIS, geochemistry (modeling and sampling), and ground

water exploration or well design. Strong capabilities in standard hydro(geo)logic codes and databases required, as this position emphasizes modeling and presentation of data on GIS and CADD platforms.

Both positions require an affinity for complex, multidisciplinary efforts and are intended for individuals who have been practicing for 4 to 10 years. More senior individuals are encouraged to apply, as the positions can be modified to meet individual backgrounds and interests. Either position may be suitable for an individual with a strong (graduate-level) background in geomorphology and is "burning" to return to restoration geomorphology after developing their consulting skills in other branches of engineering geology. Compensation commensurate with experience, accomplishments, and responsibilities. Full benefits package.

Please submit your resume to:  
 Balance Hydrologics, Inc. ([www.balancehydro.com](http://www.balancehydro.com))  
 Leslie Mack, e-mail: [lmack@balancehydro.com](mailto:lmack@balancehydro.com)  
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**SR PROJECT GEOLOGIST / HYDROGEOLOGIST / ENGINEER**

Performs technical project work, writes reports, give presentations, attends regulatory meetings, and oversees and manages technical project work and staff, including CERCLA and RCRA investigations, remediations, and closures within the greater San Francisco Bay Area.

Geologist/hydrogeologist: Requires a Master's degree or equivalent experience in geology or hydrogeology; current 40-hr and 8-hr SARA/OSHA training; at least 5 years' experience in contaminant hydrogeology, including at least 3 in contaminant hydrogeology project management; and 4 years' experience working on CERCLA or RCRA sites. Strong computer skills and experience with numerical ground water and vadose zone flow transport models are highly desirable.

Engineer: Requires 6 to 15 years of turnkey experience (site investigation through site closure) in groundwater and soil remediation, including at least 5 years' experience working on CERCLA or RCRA sites. Also requires a BS in engineering, with a MS preferred; registration as a California PE; and current 40-hr and 8-hr SARA/OSHA training.

Submit resumes to jobs@weiss.com or to M. Matson, Weiss Associates, 5801 Christie Avenue, Suite 600, Emeryville, California, 94608.

Visit www.weiss.com for more information. EOE.

### SENIOR STAFF GEOTECHNICAL ENGINEER

3-5 years experience. BSCE required, MSCE preferred. Registration desirable. Land development experience required.

### SENIOR STAFF GEOLOGIST

3-5 years experience. BS required, MS preferred. Land development experience required.

### FIELD TECHNICIAN

2+ years with land development experience.

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Sherril Swett, Recruiter, ADR Consulting, Inc.  
Fax 916-727-9911, email: sherril\_s@adrconsult.com

### PROJECT ENVIRONMENTAL GEOLOGIST / ENGINEER

Location—USA - California - San Diego. Salary: \$80,000 - \$100,000

Company Brief—Well established company in Southern California market, with small environmental group which has more business to handle, so excellent opportunity to "Grow" an office.

Job Description—Run the work of engineers/geologists and the environmental site assessments leading to remediation design. Use your scientific knowledge and skills to establish a sophisticated culture of excellence.

Qualifications—BS (Geology, Hydrogeology, Environmental, or Civil) We do need a registered engineer, hydrologist or geologist (or can obtain) to sign the work. 7+ years Phase I, II, III experience. California experience within last 10 years.

Beth McNeely, Management Recruiters  
Phone 360-357-9996, email: bethmcneely@aol.com

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**AEG San Francisco Section – March Newsletter  
Monthly Section Meeting – March 11th  
Sinbad’s Restaurant, San Francisco**

***CHECK OUT THE AEG SF SECTION WEBSITE AT WWW.AEGSF.ORG!***

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**RESERVATION FORM**

AEG Dinner Meeting – March 11, 2003 – 6pm  
Sinbad’s Restaurant, San Francisco

**Reservation Deadline: 12:00 PM, FRIDAY, MARCH 7th**

Fax Reservation Form to Chris Hundemer, c/o Upp Geotechnology (408-866-9436)  
Do not mail or fax payment – Check or Cash at the door – Make checks payable to AEG SF SECTION

Dinner and Meeting Cost: \$30 – members or spouses    \$15 – student members    \$32 – others

**No shows and late cancellations will be charged**

NAME \_\_\_\_\_ COMPANY \_\_\_\_\_

TELEPHONE NO. \_\_\_\_\_ NO. OF PEOPLE \_\_\_\_\_

PLEASE CHOOSE AN ENTRÉE:                      Chicken                      Fish                      Vegetarian

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**PERMANENT RESERVATION FORM**

AEG San Francisco Section monthly dinner meetings are typically the 2nd Tuesday of each month.  
I will attend and make payment for each meeting. If I am unable to attend, I agree to fax or mail a cancellation notice to  
Chris Hundemer (fax: 408-866-9436) by NOON the Friday before the meeting or I will be charged for the meeting.

NAME \_\_\_\_\_ COMPANY \_\_\_\_\_

TELEPHONE NO. \_\_\_\_\_ NO. OF PEOPLE \_\_\_\_\_

BILLING ADDRESS \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ ENTRÉE \_\_\_\_\_