



SAN FRANCISCO SECTION NEWSLETTER



Meeting Details:

- **Tuesday, May 13th**
- Old Spaghetti Factory, Oakland
- 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, THURSDAY MAY 8TH!

SECTION OFFICERS • 2002-2003

Chair

Corinne Stewart
Pacific Geotechnical
408-629-7801
chair@aegsf.org

Vice-Chair

Patrick Drumm
Earth Focus Geological Services
510-794-7495
vice-chair@aegsf.org

Treasurer

Chris Hundemer
Upp Geotechnology, Inc.
408-866-5436
treasurer@aegsf.org

Secretary

Lisa Gentry
Earth Systems Consultants
510-353-0320
secretary@aegsf.org

Committee Chairs

Membership Chair

Jim Springer
membership_chair@aegsf.org

Short Course Chair

Ernest Solomon
650-948-3528
shortcourse_chair@aegsf.org

Field Trip Chair

Drew Kennedy
Gilpin Geosciences
650-551-1210
fieldtrip_chair@aegsf.org

CCGO Liaison

Jason Preece
Camp, Dresser, & McKee, Inc.
ccgo@aegsf.org

MAY 2003 PROGRAM

CCGO FUNDRAISER — AEG SF AND CCGO JOINT MEETING

Dr. Chester F. Watts, 2003 Richard H. Jahns Distinguished Lecturer

ROCKSLIDES! CASE HISTORIES AND COMMON MISCONCEPTIONS

Potential hazards from rock falls and rockslides are on the rise as land development reaches into previously untouched areas, as aging highways and railroads require upgrades and new construction, and as people throng to public lands for recreation. At the same time, new generations of decisions makers in the forms of politicians, administrators, land use planners, architects, engineers, and even geologists, continue to emerge who don't understand or recognize some of the most fundamental principles of mass wasting. And, in recent years, numerous misconceptions regarding some fundamental principles have proved resistant to eradication. Dramatic examples are to be found across the country.

Case histories will be presented for consideration, including spectacular rockslides in Yosemite National Park (including continuing rockslides from Glacier Point and the 1996 and 1999 slides that resulted in numerous injuries and fatalities), Virginia's Smart Road technology test bed, Thomas Jefferson's Natural Bridge of Virginia, highway stability in North Carolina, and weapons testing facilities in the west. Each case is compelling and contentious. Some are expensive and some are tragic.

Recurring misconceptions include the relative merits of constructing vertical slopes versus angled slopes, the roles of discontinuities in controlling rockslides, the direction of groundwater flow in fractured rock, the volumes of water necessary to trigger slides, and the variable nature of earth materials. These concepts are simple but not to be ignored.

Speaker's Biography

Dr. Chester F. "Skip" Watts is the 2003 Richard H. Jahns Distinguished Lecturer, named jointly by the AEG and the Engineering Geology Division of the GSA.

A certified professional geologist in the Commonwealth of Virginia, Skip is the Dalton Distinguished Professor of Geology at Radford University, where he has worked since 1984. There he established the Institute for Engineering Geosciences and has taught undergraduate and graduate courses in engineering geology, hydrogeology, geomorphology, geophysics, soil mechanics, rock mechanics, computer applications in geology, and advanced engineering geology.

Speaker biography continued on Page 2...

IN THIS ISSUE...

- [Chair's Message](#)
- [May Section Meeting Details](#)
- [April Meeting Notes](#)
- [July 19th San Francisco Giants Game](#)
- [Member Updates, Field Trip and Short Course Announcements, and Other News](#)
- [Employment Notices](#)

Committee Chairs

Legislative Chair
 Julian C. Isham
 legislative_chair@aegsf.org

Publications Chair
 Bill Godwin
 Harding ESE
 publications_chair@aegsf.org

Awards Chair
 Keil Albert
 Geoconsultants, Inc.
 awards_chair@aegsf.org

Past Chair
 Jason Preece
 Camp, Dresser, & McKee, Inc.
 past_chair@aegsf.org

Student Liaison
 Robert Urban
 lavapoet@sbcglobal.net

Newsletter Editor
 Maile Smith
 Weiss Associates
 newsletter_editor@aegsf.org

Webmaster
 Craig Reid
 Upp Geotechnology
 webmaster@aegsf.org

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.

Submittals:
 Deadline is the 20th of each month for the following issue. Contact Maile Smith by email (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).

Advertisements:
 The newsletter's circulation is about 360 within northern California.

Use these low rates to expand your market:
 business card: \$15 / month
 1/4 page: \$30 / month
 1/2 page: \$60 / month

CHAIR'S MESSAGE

If you have been to one of the last three Section meetings, you may have noticed that our treasurer, Chris Hundemer, has not been the one taking your money when you arrive. Chris has a class at San Jose State on Tuesday evenings and hasn't been able to attend a Section meeting since the semester started in January. Our Webmaster, Craig Reid, who works with Chris at Upp Geotechnology, has been nice enough to fill in for Chris at the meetings. Last month we had roughly twenty last-minute reservations/walk-ins at the meeting. There wasn't quite enough seating for everyone, so Craig ended up dining alone at the check-in table (fortunately, this gave him a chance to peruse a copy of the Engineering Geology Practices in Northern California volume). Thanks, Craig, for doing a great job and for helping the Section!

I also need to thank our Membership Chair, Jim Springer, for representing the Section at the CCGO board meeting on April 12th. Jim volunteered to attend the meeting on behalf of the Section with only two days notice. Also, thanks to Chris Hundemer for taking over the arrangements for our upcoming AEG San Francisco Section social event/fund raiser. Chris bought a block of tickets for a Giants baseball game at Pac Bell Park for Saturday, July 19th at 1:00 PM. Chris will secure a spot in the parking lot for pre-game tailgate festivities and AEG will supply drinks. Watch for more details and plan on bringing family and friends. Contact Chris to purchase tickets.

I would like to thank the many people who have suggested restaurants where we might be able to hold Section meetings. Pat Drumm and I will be examining costs and logistics of these restaurants soon. I have also had a lot of requests for another meeting at Agenda in San Jose.

We have had greater than average attendance at Section meetings since last November (over the previous two years, the average attendance was about thirty-five people per meeting). Last month, nearly fifty people were present to hear Drew Kennedy give a wonderful presentation on the Serra fault. Not only did Drew draw a large audience, I think he set a record for attracting the most walk-in attendees at a Section meeting! We are anticipating as many as one hundred attendees at this month's joint AEG SF/CCGO meeting in Oakland.

I will be attending the Association mid-year board meeting over the first weekend of May and I'm looking forward to it. I hope to exchange a lot of ideas with the other Section Chairs and, hopefully, bring home some ideas that could benefit our Section. The previously planned workshop for developing new vision, mission, and values statements has been postponed until September (at the end of the Annual Meeting in Vail).

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

Corinne
 Chair, AEG San Francisco Section

Speaker's Biography (Continued from Page 1)

Skip is also the author of ROCKPACK III computer software, used internationally for analyzing the safety and stability of mines, quarries, highway cuts, mountain slopes, buildings, and bridge foundations. He serves as a rock slope stability consultant to numerous highway departments, federal agencies, and engineering firms.

Skip is the recipient of several regional and national teaching awards, including the 1998 Outstanding Professor Award from the State Council for Higher Education in Virginia. Skip served 14 months on Senator Joseph Lieberman's personal staff as the 2001-2002 GSA/USGS Congressional Science Fellow. During that time came the September 11 terrorist attacks in New York and Washington DC, the anthrax attacks and closure of the Hart Senate Office Building, and the war in Afghanistan with inevitable geologic factors at play. Also during that time came congressional debates over drilling in the Arctic National Wildlife Refuge, the disposal of nuclear waste at Yucca Mountain, and preparations for the great reauthorization of national transportation funding in 2003. In his alternate Jahns lecture, Watts describes his personal experiences as a senate "staffer" and the important political geologic issues of the day. Perhaps we will get a glimpse at that part of Skip's experience during his *Rocks/ides!* presentation.

MAY SECTION MEETING DETAILS

The May Section Meeting will be held at the Old Spaghetti Factory at 62 Jack London Square in Oakland, California (phone: 510-893-0222). For a map, visit their website at www.osf.com/locations/california.html.

Parking

Parking is available on the street, or in the lot adjacent to the restaurant. If you park in the lot, know that the restaurant validates, but it's not exactly inexpensive...

Directions

From 80 East (Bay Bridge) or 880 South – From 80 East, merge onto 880 South, take the Broadway exit, turn right onto 5th Street (base of offramp) and stay in the right lane, turn right at Broadway, and left at Embarcadero. The restaurant will be approximately a block ahead on your right.

From 880 North (driving towards Sacramento) – Take the Oak Street / Lakeside Drive exit, turn left onto Oak Street, and then turn right onto Embarcadero. The restaurant will be approximately 4 blocks ahead on your left.

Reservations must be faxed to Chris Hundemer by noon on **Thursday May 8th**.

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

NO SHOWS AND LATE CANCELLATIONS WILL BE CHARGED!

APRIL MEETING NOTES

At April's meeting we heard a talk from Drew Kennedy of Gilpin Geosciences of San Rafael, titled *Evidence of Late Pleistocene to Late Holocene Activity on the Serra Fault, Northern San Francisco Peninsula, California*. It was a good turnout at Spenger's in Berkeley, with about 50 attendees, almost half of them drop-ins. We want to thank Drew for giving us a very informative and very interesting talk.

Drew spoke to us about his San Francisco State University MS thesis on the Serra Thrust Fault. The Foothills thrust system (which includes the Serra, Berrocal, Shannon, and Monte Vista faults) is a northwest striking, southwest dipping thrust fault system, northeast of the San Andreas fault system. It's a poorly understood fault system located in densely populated areas with critical facilities. The 1974 Alquist-Priolo Act included this fault system, but it was de-zoned in 1981 due to unclear evidence of Holocene rupture. Drew's study area extends from Burlingame through Daly City (approximately 20 km). Drew's objective was to consider a number of unanswered questions in regards to this oblique fault. His results include findings on a northeast vergent monocline, documentation of a series of angular unconformities along the forelimb of folding, and timing and uplift rates. An angular discordance of 15° in a fluvial depositional environment between Colma and Merced was found within channel fill of Colma, by using an Olema Ash bed (55-75K). The ash age was

previously unknown, but Colma is often considered to be between 70-125K years. Drew suggested using the maximum age of the Colma with care, based upon the ash age dating. He was also able to use peat deposits (5-7K using radio carbon dating) in a Holocene growth fold as an age constraint. He made some approximate attempts on uplift rates, based upon assumptions with the Olema Ash layer (near the Great Highway at Fort Funston), of 0.4-0.5 mm/yr down to Thornton beach, at 0.7-0.9 mm/year.

Drew's conclusions include that the Serra fault system is a series of unconformities that show evidence of late Pleistocene monocline folding, so any planned occupied structures should avoid placement over or along the Serra fault, and the folding is a result of blind thrusting over broad areas that would be hard to include in the zoning set-back.

Lisa Gentry

Secretary, AEG San Francisco Section

AEG San Francisco Section Thanks our Academic Sponsor!

San Jose State University

San Jose, California

SPONSORSHIP

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

Become a Section Corporate Sponsor! Donate to the Section and receive free advertisement each month, recognition at Section Meetings, and more!

Contact Corinne Stewart at chair@aegsf.org for more information on sponsorship.

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, or contact James Baker at 408-299-5774 or jim.baker@pln.co.scl.ca.us.

SEISMIC HAZARDS MAPPING PROGRAM IN JEOPARDY

The Assembly Budget Committee is proposing to eliminate the Seismic Hazards Mapping Program (SHMP) and Strong Motion Instrumentation Program (SMIP). The Director of the Department of Conservation, who oversees the SHMP and SMIP, will be meeting with legislators who are contemplating cutting these programs in mid-May. In order to make a strong impression, he would like to have a stack of letters with him that were written in response to the proposed cuts.

The proposed cuts are described in more detail at www.seismicactivist.homestead.com, which also outlines the letter writing campaign for those wishing to voice their opinion to key legislators about cutting SHMP and SMIP.

Please send electronic copies of your letters to seismicactivist@hotmail.com, or mail hard copies to Mark Wieggers, 208 San Francisco Boulevard, San Anselmo, California, 94960.

MEMBER UPDATES AND OTHER NEWS

Member News

Stephanie Towle Clark, of Pacific Geotechnical, gave birth to healthy twins on January 14, 2003. The brother and sister weighed 7 pounds and 6 pounds 15 ounces respectively.

Membership Update

Thirty-one AEG SF Section members have not renewed their AEG membership for this year. Those members that the section has not contacted are listed below. If you know some of the people on this list, please remind them to renew their AEG membership. If you have any questions, please contact Jim Springer at membership_chair@aegsf.org.

Neil Antilla, Tor Brekke, Benoit Brisbois, Jose Cercone, Fred Conwell, Kent Cordry, Robert Davies, David Doolin, Edward Flaherty, Alexander Gallego, Stephen Geist, Joseph Gonzalez, Jolanta Goslawska-Uchman, Geoffrey Hales, Erick Hilmer, Dennis Laduzinsky, Nathan Lee, Sherwood Lovejoy, Mike Makerov, Thomas McCloskey, Christine Mead, Derek Morley, Eleanor Ramsey, Jason Rolfe, Christopher Sykes, William Theyskens, John Wesling, John Woodruff, Howard Young

CCGO Updates

The California Council of Geoscience Organizations (CCGO) e-mails monthly progress reports to CCGO members on record, as well as others who want to stay informed of their activities. The latest report is posted at www.ccco.org.

The CCGO advocates the use of sound geologic knowledge and practice by proposing, reviewing, and monitoring statutes, regulations, and public policies.

Please contact Executive Director Jane Gill (JaneHGill@aol.com) to be added to their mailing list.

Be a Geoscience Mentor

Would you like to be a mentor to a GeoCorps America participant working in a National Park?

GSA is creating a mentor component to the GeoCorps America Program. GSA is recruiting experienced geoscientists (professionals and retirees) to volunteer to help GeoCorps America participants in Summer 2003.

There is a lot of flexibility in the amount of time a mentor spends in the program. Some mentors may spend a total of five hours over the course of the summer and some mentors may spend five hours each week for the entire summer. The time spent depends on the needs of the participant working in the Park and the time availability of the mentor. A mentor does not necessarily need to live in the same geographic region as the Park. It is possible for mentor to be involved with a participant remotely via e-mail and phone. It is also possible for a mentor to travel to the Park for vacation and during that time, work with the participant.

These are the potential Parks where mentors will be involved for Summer 2003:

- Bryce Canyon National Park, Utah
- Capulin Volcano National Monument, New Mexico
- Carlsbad Caverns National Park, New Mexico
- Craters of the Moon National Monument, Idaho
- Cumberland Island National Seashore, Georgia
- Death Valley National Park, California
- Denali National Park & Preserve, Alaska
- Fossil Butte National Monument, Wyoming
- George Washington Birthplace National Monument, Virginia
- Grand Canyon National Park, Arizona
- Hopewell Culture National Historical Park, Ohio
- Mount Rainier National Park, Washington
- Oregon Caves National Monument, Oregon
- Petrified Forest National Park, Arizona
- Rocky Mountain National Park, Colorado
- White Sands National Monument, New Mexico
- Wupatki National Monument, Arizona

If you would like to participate, please contact Julie Sexton by May 19, 2003 at 303-357-1005 or jsexton@geosociety.org. To learn more about the GeoCorps America Program, please visit www.geosociety.org/geocorps/.

***Thank You to the Corporate Sponsors of
the AEG San Francisco Section!***

Applied Geomechanics – Santa Cruz

Exponent Failure Analysis – Menlo Park

Upp Geotechnology – San Jose

OTHER MEETING ANNOUNCEMENTS

San Francisco Giants Game

Because of the popularity of last year's event, our section has again purchased a block of seats for a Giants game this season. This year we've decided to try a Saturday event, with a tailgate party in the parking lot before the game. Tickets are limited: we currently have 54 seats, with an option to purchase up to 18 more. The game is on July 19th, at 1:05 PM against the Colorado Rockies. Anyone who wishes to purchase tickets should call or e-mail Chris Hundemer to RSVP.

Information will follow regarding directions to Pac Bell Park, parking, and the time and location for the tailgate party. The cost for the game will be the same as our monthly meetings (\$30) and will include drinks (beer, wine, sodas) before the game. We will also have people bringing barbecues, so everyone should bring something they'd like to 'cue up.

I'm looking forward to another great day at the ballpark!

Chris Hundemer
Treasurer, AEG San Francisco Section

USGS Open House

The US Geological Survey's showcase of scientific research at its Menlo Park Science Center will take place on Saturday May 31st and Sunday June 1st. The Menlo Park Science Center is located at 345 Middlefield Road in Menlo Park, California. Please visit <http://openhouse.wr.usgs.gov/> for more information.

AEG Annual Meeting

Plan to attend the 2003 AEG Annual Meeting - "Engineering Geology with an Altitude" in Vail, Colorado, September 15 through 21! Please visit www.aegweb.org for more details.

Thank You!

Gregg Drilling & Testing, Inc.

***An Outstanding Corporate Sponsor of
the AEG San Francisco Section!***

SHORT COURSES

David Ruiz of Pacific Aerial Survey has offered to teach a short session on using aerial photographs. The course would likely be held at Pacific Aerial Survey's office in Oakland in the early summer, and be limited to approximately 20 participants. If interested, please contact Ernest Solomon, Short Course Chair, at shortcourse_chair@aegsf.org.

Workshop on Seismic Hazard Analysis

The AEG Sacramento Section is sponsoring a workshop on seismic hazard analysis on Thursday, May 15, 2003 from 8:00 AM to 5:00 PM. The workshop will take place at UC Davis. The cost is \$135 for AEG members and \$195 for non-members.

The workshop is Part I of a two-part series on seismic hazard analysis, and will include real-life examples and demonstration of available analytical tools. Representatives from CGS, DSOD, and CalTrans will be on hand to present their requirements for ground motion studies.

Visit www.aegsacto.org for more information or to download a registration form.

For Short Course information and submittals, please contact:

Ernie Solomon
Short Course Chair, AEG San Francisco Section

Soil Tectonics

| | |
|---------------------------------|--|
| Glenn Borchardt, Ph.D. | 510.654.1619 |
| Principal Soil Scientist | fax: 815.327.5331 |
| Cert. Prof. Soil Sci. No. 24836 | cell: 510.205.4562 |
| P.O. Box 5335 | gborchardt@usa.net |
| Berkeley CA 94705-0335 | www.soiltectonics.com |

FIELD TRIPS

Drew Kennedy, AEG SF Field Trip Chair, is currently planning a spring field trip to Fort Funston to view the Merced Formation and discuss the regional tectonics associated with the offshore right-step over of the San Andreas fault. Details will be announced in the upcoming newsletter. Other field trips are listed below. For more details regarding the NCGS field trips, contact Jean Moran (NCGS field trip coordinator) at jeanm@stetsonengineers.com, or call her at 415-331-6806 (evening).

- Diablo Antiform-Diablo Range Intersection - May 10, 2003: Ron Crane, Consultant, sponsored by Northern California Geological Society.
- A Day In The Field With Tom Dibblee - May 24, 2003: Glendora/Baldy Village area, San Gabriel Mountains. The Dibblee Geological Foundation and the Santa Barbara Museum of Natural History invite you to participate in A Day In The Field with Tom Dibblee. Field trip leaders will include Jon Nourse and Peter Weigand. Great views and precipitous canyon and waterfall outcrops reveal processes of extension, intrusion, rotation, and displacement associated with subduction magmatism and a later evolving dextral plate boundary. Proceeds from this fund-raiser will be used towards the continued publication of Tom

Dibblee's maps. Fee: \$150 (includes transportation, coffee and doughnuts, BBQ lunch catered by Halliburton, ski lift, and guidebook plus map). Registration deadline is May 10, 2003. For more information, visit the Dibblee Geological Foundation website at <http://dibblee.geol.ucsb.edu/>

- Rodgers Creek-Maacama Step-over Area - June 6-8, 2003: Bob McLaughlin, USGS, Dave Wagner, California Geological Survey, and others, sponsored by Northern California Geological Society, 2-day trip overnighing at Cal Academy Pepperwood Ranch west of Franz Valley.
- Clear Lake Volcanic Field –August 2, 2003: Rolfe Erickson, Sonoma State, sponsored by Northern California Geological Society.
- Northern California Gold Belt, Quincy – Date TBA: Gregg Wilkerson, BLM, sponsored by Northern California Geological Society.
- Devil's Slide/Pebble Beach or Pigeon Point - Summer 2003: Scott Morgan, Morgan & Jody Castle of Earth Mechanics, sponsored by Northern California Geological Society.
- Foothills Fault System and Geology - September 2003: George Wheeldon, sponsored by AEG Sacramento Section, details to follow later this year.
- Point Reyes Area - October 11, 2003: Tom MacKinnon (exact itinerary TBA), sponsored by Northern California Geological Society.

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. 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*. As an AEG member you can save 10% off the price (\$85.50 instead of \$95.00) and save an additional \$6.50 in shipping. Please contact me at 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.

| |
|---|
| <p>EARTH IMAGING GEOLOGIC SERVICES 530.295.9272</p> <ul style="list-style-type: none"> •fault and landslide imaging •landfill and sump imaging •bedrock/aggregate imaging •hydrogeologic studies •UST and utility location •concealed well location <p><i>Custom ground geophysical surveys utilizing GPR, magnetometer, gravimeter, and seismic reflection</i></p> <p>RG No. 6589, CEG No. 1224, RPG No. 945</p> <p><i>Affordable rates from experienced professionals</i></p> |
|---|

EMPLOYMENT NOTICES

Please note: AEG provides the following as a courtesy but does not endorse these services or companies nor does it take responsibility for actions pursuant to these notices. Any member pursuing an employment notification does so at their own risk.

Project Remediation Engineer

Performs and manages technical project work, writes reports, gives presentations, attends regulatory meetings, and supervises technical staff. Requires 5 to 8 years of experience in site investigation through site closure, including at least 5 years experience working on CERCLA or RCRA sites. Requires a BS in engineering (MS preferred), registration as a California PE, and current 40-hr and 8-hr SARA/OSHA training. Demands superior regulatory negotiation skills; practical O&M knowledge; and extensive experience with a wide variety of remedial technologies.

Technical Assistant

Will provide technical, administrative, and clerical support of field operations by maintaining/organizing shop and yard; coordinating protocols, equipment and supplies prior to scheduled fieldwork; coordinating the maintenance of equipment and vehicles; creating, maintaining, and updating schedules, logs, and files; and

| |
|---|
|  <p>(925) 294-8449 californiageotec@cs.com</p> <p>GEOLOGIC DRILLING, SAMPLING AND TESTING ATV DRILL RIG-EXTREME ACCESS CAPABILITIES CERTIFIED NUCLEAR GAUGE OPERATORS FAULT INVESTIGATION, SHORING & SCRAPING ACI CERTIFIED</p> |
|---|

performing occasional fieldwork. Requirements include experience with both technical and administrative aspects of fieldwork; knowledge of tools, equipment and meters and their proper usage; the ability to lift up to 50 lbs; initiative and the ability to work independently; and a clean driving record. Based in the South Bay.

Remediation Technician

Will operate, maintain, and repair multiple groundwater and soil vapor treatment facilities in the South Bay area. Qualifications include knowledge / experience in O&M of submersible well, chemical metering, and VFD pumps and their electrical protection systems, PLCs, particulate and GAC filters, air strippers, and related sensors, and plumbing, electrical and mechanical skills. Requirements include initiative, ability to work independently, and willingness to work a rotating on-call schedule; good record keeping skills; a clean driving record and ability to drive a maintenance truck; and the ability to lift up to 50 lbs. 40 hour HAZWOPER training preferred. Requires high school diploma (AA degree helpful).

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

and benefits packages. Send resumes to P.O. Box 588, Windsor, California 95492, Fax 707-838-4420, or e-mail: carolynp@brunsing.com.

CartoSearch
Cartographic Research Services



DANICA L. STEIN
P.O. Box 3735
SANTA CRUZ CA 95063
831 465 9479
danicas@baymoon.com


SURVEYING
FOR GEOLOGISTS AND ENGINEERS

WE ARE LICENSED GEOLOGISTS AND ENGINEERS WHO PERFORM THE SURVEYING WITH THE LATEST STATE-OF-THE ART ROBOTIC LASER EQUIPMENT.

BECAUSE OF OUR TECHNICAL EXPERTISE YOU WILL GET THE MOST ACCURATE MAP POSSIBLE WITH ALL ENGINEERING GEOLOGIC FEATURES CLEARLY DELINEATED.

GREAT FOR LANDSLIDES AND MANY OTHER SPECIAL SITUATIONS.

CALL CHARLES OR ABBIE AT (650) 728-3590



Sigma Prime Geosciences, Inc.
Effective Solutions

Geotechnical Engineer

BACE Geotechnical, a division of Brunsing Associates, Inc. (www.brunsing.com), has a career opportunity for a Registered Geotechnical Engineer in our Sonoma County Office. Project types include coastal bluff studies, hillside grading, slope stabilization, dams, roads, bridges, commercial and residential developments. Client base, mostly in Sonoma and Mendocino Counties, include state and local municipalities, hospitals, schools as well as private developers. Excellent compensation

GEOMORPHOLOGIST / WATERSHED SPECIALIST

Evaluates sources of material sedimenting sensitive habitats. Measures and simulates sediment transport. Plans, designs and monitors channel and wetland restoration/creation efforts. 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.

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. 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 intended for individuals who have been practicing for 4 to 10 years. 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)
Leslie Mack, e-mail: lmack@balancehydro.com, Phone 510-704-1000, Fax 510-704-1001, 841 Folger Avenue, Berkeley, California 94710-2800

Maile Smith
c/o Weiss Associates
350 East Middlefield Road
Mountain View, California 94043

**AEG San Francisco Section – May Newsletter
Monthly Section Meeting – May 13th
Old Spaghetti Factory, Jack London Square, Oakland**

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

RESERVATION FORM

CCGO Fundraiser / Joint AEG SF Dinner Meeting – May 13, 2003 – 6pm
Old Spaghetti Factory, Jack London Square, Oakland, California

Reservation Deadline: 12:00 PM, THURSDAY MAY 8TH

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 \$35 – others

No shows and late cancellations will be charged

NAME _____ COMPANY _____

TELEPHONE NO. _____ NO. OF PEOPLE _____

PLEASE CHOOSE A PASTA: Spaghetti w/ Meat Sauce Spaghetti w/ Mushroom Sauce Fettuccine Alfredo

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 _____