

SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegogeologists.org

SDAG MEETING ANNOUNCEMENT

Wednesday, July 19, 2017

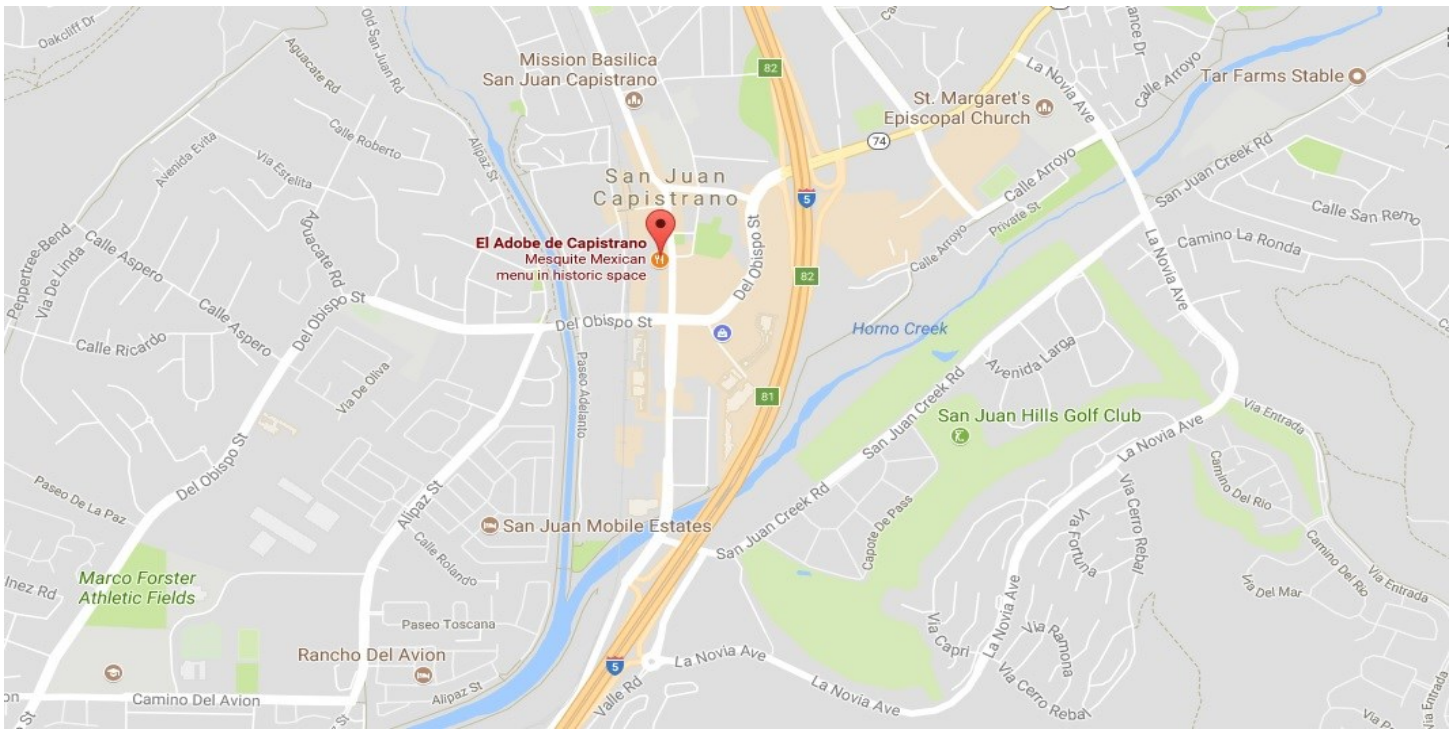
INVESTIGATIONS IN THE HOLLYWOOD AP FAULT ZONE FOR MILLENNIUM DEVELOPMENT AND ADJACENT SITES

*Presented by: **Michael Reader, RCE, GE***

JOINT MEETING WITH SCGS AND AEG

- Where:** **El Adobe Restaurant**
31891 Camino Capistrano
San Juan Capistrano, CA 92675 (See Map)
- When:** 6:00 pm - Social Hour
7:00 pm - Dinner
8:00 pm - Program
- Dinner:** Mexican Dinner with Cash Bar
- Cost:** \$35 per person, \$5 discount for members, STUDENTS: \$15. Add \$5 if you did not make a reservation.
- Reservations:** Make your reservation **online** at www.sandiegogeologists.org **no later than noon, Monday July 17th**. Reservations cannot be guaranteed after Monday at noon; but are always preferred over walk ins. **EARLY reservations well before the deadline are MUCH appreciated!**
- Directions:** FROM INTERSTATE 5: Take the CAMINO CAPISTRANO exit and turn left onto VALLE ROAD. Take the next left onto SAN JUAN CREEK ROAD and then next right onto CAMINO CAPISTRANO. The restaurant is half a mile up on the left hand side.

Map:



ABSTRACT

The Hollywood Millennium project is proposed to be developed at, and adjacent to, parking lots the site used by iconic Capitol Records tower building. The fault rupture study performed for the Millennium Hollywood Project, and adjacent sites, is perhaps the most controversial and public fault rupture hazard investigation ever performed in California. The proposal for the Millennium Hollywood project itself pre-dated the publication of the Alquist-Priolo Map for the Hollywood Quad. However, due to intense public opposition and scrutiny, the CGS moved forward with publication of the draft map and utilized the attention to raise funding and awareness. The original basis for the map in the area of the Hollywood Millennium project was based on scant subsurface information and was inferred solely on groundwater data (later dropped by CGS) and presumed fault related topography (also later revised). Group Delta was contracted by 4 adjacent site owners to conduct fault rupture hazard studies using trenches, CPTs, and coring's. All of the 4 investigations were approved by the City of Los Angeles, in spite of frequent negative public comments from the CGS. The main result of the investigation was that the fault identified by CGS as being active had in fact last been active more the 125,000 years ago; the 4 investigations all showed no active faulting was present. CGS has refused to change the map.

BIO

Mr. Reader is the CEO of Group Delta Consultants. He has more than 29 years of experience performing geotechnical investigations for a wide range of projects in the Southern California area. His experience includes investigations for highway and bridge development, public works projects, commercial development, city redevelopment studies, landslide analysis and stabilization, water and wastewater treatment plants, hospitals, educational facilities, mid-rise structures, liquefaction, and seismicity. His specialties include soil dynamics, faulting and ground motion analysis, liquefaction, and computer programming. He has developed a number of sophisticated in-house geotechnical computer programs for use in pile capacity, ground motion, liquefaction, response spectra, and foundation settlement. Mr. Reader has extensive knowledge of piles and pile placement techniques. He has given seminars in the subject and is continually seeking updated information and ideas in order to for him to keep up with the latest developments and specifications

UPCOMING MEETINGS

Meetings are usually held on the 3rd Wednesday of the month but may change to accommodate the speaker and meeting place schedules. Check the SDAG web site for updates.

August 9, 2017 *2nd Wednesday*	Timu Gallien and Ron Flick (Joint Meeting with Society of Military Engineers)
September 20, 2017	TBD
October 13—15, 2017	Julian Field Trip

2017 SDAG EXECUTIVE COMMITTEE

PRESIDENT – Rupert Adams, adams@geoconinc.com

VICE PRESIDENT - Chris Livesey, liveseychris@yahoo.com

SECRETARY – Ken Haase, secretary@sandiegogeologists.org

TREASURER – Adam Avakian, adam.avakian@aecom.com

PUBLICATIONS – Lowell Lindsay; *Sunbelt Publications*; Ph: (619) 258-4911, x111; fax:(619) 258-4916; llindsay@sunbeltpub.com

WEBMASTER – Carolyn Glockhoff; *Caro-Lion Enterprises*, Ph: (858) 549-3396; carolyn@caro-lion.com

SDAG PRESIDENT'S CORNER

Presidents Corner, July 2017

Greetings SDAG Members,

We have passed the halfway mark for the year and with six meetings done, we are grateful for the excellent member participation this year. I would like to thank Jorge Ledesma who graciously traveled up from Ensenada to give last month's presentation and provide us new insight into the carbonate sedimentation system of the Isla Coronados.

This month we have a great talk lined up for the joint meeting with South Coast Geological Society as well as members of the Los Angeles chapter of AEG. As is customary, we will be at the El Adobe restaurant in San Juan Capistrano. The meeting will be held on Wednesday July 19th so please get those reservations in early! Mike Reader from Group Delta will be giving a talk on the Hollywood Fault, outlining new insights from Group Delta's recent fault investigations in the downtown area.

In other news, Chris Livesey (VP) is making good headway on this year's SDAG field trip, slated for October and we should have additional information and signup forms soon.

As always, please feel free to contact me at adams@geoconinc.com if you have questions, suggestions etc. regarding all matters SDAG related. I look forward to seeing everyone again on the 19th at the joint meeting in San Juan Capistrano.

Regards,



Rupert Adams PG, CEG | *Sr. Project Geologist/SDAG President*

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ANNOUNCEMENTS

SDAG Fall 2017 Fieldtrip October 14th and 15th 2017. Optional Night on the 13th.

The 2017 SDAG field trip is fast approaching! The trip dates are October 14th and 15th (with an optional night of the 13th). Details are being finalized and a signup sheet will be out soon. Thus far, expect a couple short, but moderate hikes along with a couple visits to old mines.

-Chris Livesey (SDAG Vice President)

Geological Society of America Annual Meeting

<https://www.geosociety.org/>

2017

Abstract Deadline: August 1, 2017

Early Registration Deadline: August 18, 2017

Meeting Dates: October 22-25, 2017 in Seattle, Washington

2018

Field Trip Submission Deadline: December 1, 2017

Session and Short Courses Deadline: February 1, 2018

Abstract Deadline: August 14, 2018

Meeting Dates: November 4-7, 2018 in Indianapolis, Indiana

FOR SALE: Hargrave Environmental Consulting. Lots of equipment and supplies. \$50k.

Contact: clhargrave@gmail.com

Have you ever wanted to run through an active quarry surrounded by Early Cretaceous Santiago Peak Volcanics? Well now is your chance!

Vulcan Chula Vista is hosting a 3.7 and 7.4 mile run through their quarry in Chula Vista. The event is tax deductible and proceeds go to the Chula Vista Fire Fighter Association. The event will take place on October 28th.

Visit the website for pricing and sign up information:

<http://quarrycrusherrun.com/san-diego/>

The San Diego geology community is saddened by the loss of Werner Landry last month. On a personal level, Werner was kind enough to let me use the City's shake table for my 7th grade science fair project. I will be forever thankful to him as it propelled me to pursue a career in Geology.

—Ken Haase (SDAG Secretary)

See Diane's Murbach letter to his Werner's wife below:

Dear Allison:

On behalf of the San Diego Association of Geologists (SDAG), a committee of the San Diego Geological Society, Inc. (SDGS), we would like to express our deepest sympathy for the loss of your husband Werner Landry.

Werner served as an officer for SDAG, completing his volunteer geologic service as our Past President in 1998. Werner's name is listed as a Past President on our web site (<http://www.sandiegogeologists.org/>). Werner organized our annual 1997 geologic field trip, and was an editor for our 1997 publication titled "Santa Cruz Island Geology Field Trip Guide," edited by James R. Boles and Werner Landry.

What you leave behind is not what is engraved in stone monuments, but what is woven into the lives of others. May you find comfort knowing that one so special will live on in the hearts of so many.

With warm regards,

Diane Murbach—Secretary SDGS

A Statement from PJ FitzGerald:

It is with deep sadness we share the news that our friend and former colleague, Werner Landry, passed away over the weekend after a challenging illness. Werner worked many years at DSD as the Senior Engineering Geologist, and for a time served as Interim Assistant Deputy Director, in the Building/Construction & Safety Division. In that position he provided geotechnical expertise on building permits issued by the department, including for many high-profile projects contributing to the redevelopment of downtown San Diego, and was frequently called upon to represent DSD for landslide and slope failure emergencies. Werner also served as a member of the San Diego region Urban Search and Rescue (USR) team, where he utilized his geotechnical expertise, as well as his skills as a mountaineer and former Marine medic.

Out of the office, Werner lectured for The San Diego Natural History Museum, and was internationally acclaimed as an expert mountain climber -- for over 35 years he guided and led climbing expeditions to Nepal, Pakistan, Alaska, South America, Mexico, and Europe, including scaling Mont Blanc in the Himalayas. After retiring from the City in 2007, he spent a lot of time in Mexico learning to be a cowboy on his ranch, travelling, sailing, triathlon-ing and enjoying life with his wife, Allison Sherwood, also a former DSD colleague. RIP Werner, you will be missed.

Plans for services are underway and will be shared when available.

PJ FitzGerald

Assistant Deputy Director - Project Submittal & Management
Development Services Department



JOB OPPORTUNITY

de maximis, inc., a nationwide firm specializing in **project coordination**, currently has opportunities in Southern California. We are currently looking to fill the following position:

Project Manager: Candidate would have a B.S. Degree in Geology, Biology, Chemistry, or Engineering (Mechanical, Chemical or Civil). Professional Registration or ability to obtain within two years, and Masters degree is a plus. Candidate should have 5 to 10 years relevant experience in the environmental consulting industry and familiarity with local regulatory agencies, RWQCB, DTSC and EPA and guidelines especially CERCLA and the NCP. Familiarity with chlorinated solvents, such as TCE is a plus.

Candidate needs to have demonstrated site investigation/remediation knowledge. Working knowledge of groundwater monitoring, treatment system design, construction or operation including systems such as Air Stripping, SVE, DPE, LGAC, and VGAC are a plus. Additional skills include work plan and report preparation, task management, cost estimating and scheduling experience. The candidate should be detail oriented and have excellent verbal and written communication skills. Position will be based in Southern California (preferably Orange or Los Angeles County but San Diego County is acceptable) and will require some travel. OSHA 40-hour training and valid California driver's license required.

de maximis, inc. offers competitive salaries and benefits, and a challenging work atmosphere. To learn more visit our website at: www.demaximis.com.

Qualified candidates should send resumes, along with a cover letter summarizing experience and salary requirements to:

de maximis, inc.

Attention: Mike Palmer

1322 Scott St, Suite 104

San Diego, CA 92106

Interactive Fault Map for San Diego

As part of the update for the San Diego-Tijuana Earthquake Planning Scenario, Working Group No. 1's "Fault Map Subcommittee" has completed the first publicly available bi-national active and potentially active fault map. This interactive GIS map includes the first publicly available active and potentially fault map locations from the City of San Diego. The City of San Diego fault locations and activity of faults are based chiefly on interpretation of information contained in geologic reports by private consultants. The City of San Diego identifies active faults as Holocene ($\leq 11,000$ yr) and potentially active as Quaternary (up to 1.6my). City of San Diego fault investigations are ongoing that may require future revision of this map. This map is not a substitute for a site specific fault investigation. The map also includes an updated fault map layer from the State CGS. CGS suggests users defer to the City of San Diego fault data, where marked, for increased accuracy. The map also integrated the faults south of the border for a bi-national cross border view. You can expand the map legend on the left side to see the fault ages and sources for each layer that can be turned on or off for the map view. You can select from 1 of 12 base maps. You can click on the fault line on the map to see the meta-data source. This map includes the yellow dashed SURFACE FAULT RUPTURE location layer that will be used for the infrastructure, social, and economic impacts and emergency response for the update to the Earthquake Scenario. In addition, active and potentially active fault investigation locations from private companies are planned to be added to this map as a resource. This map is an on-going project and resource as our knowledge increases about local active and potentially active faults.

The link is available at: http://www.sandiegogeologists.org/Faults_map.html

I would like to thank Carolyn Glockhoff for her endless GIS work, Jim Quinn and the City for providing their data and time, Jerry Treiman with CGS for his time preparing the Surface Rupture and providing their new State fault data layer, and Luis Mendoza at CICESE for providing the faults south of the border. Please contact Diane Murbach (dianemurbach@gmail.com), Chair for the SD-TJ Earthquake Scenario Working Group #1 - Earth Science, if you have any questions, or see any errors on this new fault map.

Diane Murbach (619) 865-4333

Engineering Geologist, C.E.G.

CALL FOR ARTICLES

SDAG invites members to submit articles on their current research or an interesting project they are working on for publication in the monthly newsletter. The article should be no more than 1 page in

PHOTO OF THE MONTH

If you would like to submit a photo, email them to secretary@sandiegogeologists.org and I will try and put them in the newsletter. Provide a short description of the picture.



This picture was sent to us by a friend after backpacking in Death Valley. If anyone can help with identification, that would be great!

SDAG RESEARCH TOOL

SDAG RESEARCH TOOL - A comprehensive listing of all papers published by SDAG, whether as annual field trip guidebooks or special publications, is now available on our website. Entries are sorted by primary author, or chronologically by date of publication, from our first guidebook in 1972, up the San Luis Rey River in 2013, from Coast to Cactus in 2014, and finally over the edge to the Coyote Mountains in 2015. These can be accessed or downloaded as .pdf files. They are fully searchable in Adobe Reader or Acrobat, so if you are researching a topic, "tsunami" for example, you can search for that keyword. This listing will be updated as new books are published. Thanks to Greg Peterson and Hargis + Associates, Inc., for making this possible. See the links below:

http://www.sandiegoeologists.org/SDAG_Pubs_authors.pdf

http://www.sandiegoeologists.org/SDAG_Pubs_chronological.pdf

REQUEST for 2017 SDAG/SDGS and PUBLICATION SPONSORS

On behalf of the San Diego Geological Society, Inc. (SDGS), a public benefit 501(c)3 nonprofit educational corporation, we would like to request tax deductible Donations for our San Diego Association of Geologists (SDAG) group. The list of paid Sponsors and the forms to become a Sponsor are located on the SDAG web site at: <http://www.sandiegoeologists.org/Sponsors.html>.

Your donation will further the SDGS mission to promote geology and related fields in the greater San Diego region, operating through the San Diego Association of Geologists (SDAG), a committee of SDGS. To achieve our primary educational objective, we organize frequent field trips and maintain a program of monthly meetings featuring speakers on current geological topics. We also publish field trip guidebooks and other publications related to geology and natural history. We encourage scholarship and research by awarding scholarships from the elementary through graduate levels. With your \$100 "EMERALD" donation, your name/business will be listed as a sponsor on the SDAG web site (<http://www.sandiegoeologists.org/>) and in the monthly SDAG meeting newsletters. With your \$500 "RUBY" or \$1,000 or more "DIAMOND" level donation, your business card will also be included on the SDAG web site and in the monthly SDAG meeting newsletters. In addition, as a "\$1,000 or more DIAMOND" level donation you will be presented with a thank you plaque.

Should you have any questions regarding a Sponsorship, please contact our non-profit SDGS Secretary (Diane Murbach) at 619-865-4333.



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Contact: Dave Bloom



Contact: Rupert Adams, CEG

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