SDAG MEETING ANNOUNCEMENT

Wednesday, March 18th, 2020

Natural History of Anza Borrego Region

Presented by: Mike Wells

Where: Testo Pepesto
221 E. Main Street
El Cajon, CA 92020 (See Map)

When: 5:30 pm – Social Hour
       6:30 pm – Dinner
       7:30 pm – Presentation

Dinner: Italian Buffet

Cost: $30 Member, $35 Non-Member, $20 Students.

Reservations: Make your reservation online at http://www.sandiegogeologists.org/Meetings.html no later than noon, Monday March 16, 2020. Reservations cannot be guaranteed after Friday at noon but are always preferred over walk-ins. EARLY reservations well before the deadline are MUCH appreciated.
Directions:  

FROM INTERSTATE 8 EAST: Take exit 15 towards El Cajon Blvd. Keep left to continue onto El Cajon Blvd. In 1.3 miles the street will change to W Main Street continue driving for 0.4 miles and the destination will be on your right.

FROM INTERSTATE 8 WEST: Take exit 17 towards Downtown. Continue onto N. Magnolia Ave. Drive for 0.6 miles and turn left onto E Main Street. The destination will be on your right in 0.1 miles.
**ABSTRACT**

Mike will be sharing his knowledge on the natural history of Anza Borrego Region and discussing topics presented in the featured book *A Natural History of the Anza-Borrego Region: Then and Now*. This book evolved from a course on the natural history of the Anza-Borrego region that was developed by the authors over a 16-year period and taught at the University of San Diego. It tells a coherent story of how the landscape and features of a desert region evolved over time and how organisms that inhabit the desert have adapted to the conditions found there by taking many different evolutionary paths to deal with aridity, heat, and saline soils. The result is an amazing biological diversity that has evolved in response to these conditions. This book is encyclopedic in detail and is yet very readable. Each illustration was handcrafted to tell a story and to help the reader better understand the fascinating story of this unique desert place and its first human inhabitants. This is the “go-to” book for anyone wanting to understand the natural environment of the Anza-Borrego region.

**BIO**

Mike Wells completed a 34-year career with California State Parks in 2010. His first permanent assignment in 1977 was Anza-Borrego Desert State Park, where he served as a state park ranger. Over the next three decades he enjoyed assignments in the Sierra Nevada foothills, coastal redwoods, and beaches, serving as a ranger, resource ecologist, and park superintendent. His final assignment was district superintendent of the Colorado Desert District, which includes ABDSP. Mike has a PhD in physical geography from a joint program with San Diego State University and the University of California, Santa Barbara. His area of study is fire ecology of southern California forest and chaparral communities. He was a lecturer for the Department of Biology, University of San Diego, from 2001–2017.
UPCOMING MEETINGS

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

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2019 SDAG EXECUTIVE COMMITTEE

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Hello SDAG! Please join us for the next OSW to the Moly Mine in Palo Verde Canyon, Anza Borrego State Park. We will meet on S-22, across from the entrance to Palo Verde Wash, at 10:00 am. This is an intermediate hike, 4.5 miles, approximately 3 hours roundtrip, with an elevation gain of 650 feet. Bring lots of water!

**Directions:** From Julian, drive east on Hwy 78 to S-3. Turn left (north) and follow S-3 to Christmas Circle and S-22. Turn right (east) on S-22 and drive 14 miles to Mile Marker 33 and the turnoff for Palo Verde Wash and park.

Below are links to additional information provided by Diana Lindsay:

Photos and plant ids from past years:

https://thebackcountry.varnell.org/Canyoneers/Hikes/Desert/PaloVerdeCanyon

Interactive map:

https://maps.varnell.org/hikes/PaloVerdeCanyonTheMolyMineTrack.html

Roam-O-Rama article:

Palo Verde Canyon and the Moly Mine
Hi SDAG Friends,

Thank you all for attending the February meeting. We had a great turnout and Jeremy Faker provided a very good and informative discussion about storm water BMPs, an engineering feature that so many of us who are consultants deal with. Our March meeting is looking to be a lot of fun. First off, we are checking out a new meeting venue called Testo Pepesto. It is an Italian restaurant in El Cajon. For the talk we will switch gears to a more academic topic. Dr. Mike Wells will talk about the natural history of Anza Borrego region. Mike has co-authored with Marie Simovich a Sunbelt Publications book called A Natural History of the Anza-Borrego Region: Then and Now. He will be discussing topics covered in the book and doing a book signing at the beginning of the meeting. Anza Borrego is a beautiful location that many of us San Diegans have adventured around in. It will be great to hear an expert talk about the beautiful and interesting environment that attracts us to the location. Other exciting announcements include the introduction of the 2020 SDAG Annual Field Trip location. Our Vice President Luke Weidman has confirmed that the trip will involve exploring the geology of Temecula. So that is guaranteed to be a great time. Hope you all are enjoying the warmer weather. It’s starting to feel a little more like spring time and for those of you who are surfers we are already getting some early season south swells. Hope to see you all in a few weeks!

Adam Avakian, SDAG Prez
Support SDAG/SDGS using AmazonSmile

What is AmazonSmile?
AmazonSmile is an automatic way for you to support the “San Diego Geological Society” (SDGS) SDAG’s 501(c)(3) as your favorite public charitable organization every time you shop on Amazon at no cost to you at smile.amazon.com.

How do I select a charitable organization to support when shopping on AmazonSmile?
On your first visit to AmazonSmile smile.amazon.com, you need to select a charitable organization to receive donations from eligible purchases before you begin shopping. Please select the San Diego Geological Society. Amazon will remember your selection, and then every eligible purchase you make at smile.amazon.com will result in a donation to SDGS (SDAG).

How much of my purchase does Amazon donate?
The AmazonSmile Foundation will donate 0.5% of the purchase price from your eligible AmazonSmile purchases.

How can I learn more about AmazonSmile?
Please see complete AmazonSmile program details.
National Earthquake Conference

The 2020 National Earthquake Conference (NEC) http://www.earthquakeconference.org/ will take place during the week of March 2, 2020 in San Diego and will bring together academia, building code experts, design/build professionals, FEMA directorates, first responders, geologists, local emergency managers, insurance and reinsurance professionals, local and tribal governments, private-sector interests, public information officers, state government leaders, social science practitioners, U.S. State and Territorial Earthquake Managers, USGS leadership, and volunteers. Attendees will share the latest advances in earthquake science, engineering, policy, and practice to create more resilient buildings and disaster-resilient communities in the face of seismic risk. The results of a new earthquake scenario and risk study for the San Diego region will be a key highlight of the conference. Developed by experts over the last five years, the scenario will showcase the impacts and consequences of a potential M6.9 earthquake on the Rose Canyon fault that runs through the San Diego harbor, resulting in significant disruption and loss to local communities. Participating experts will share findings from seismological and geologic simulations, engineering inventory and assessment studies, and local stakeholder focus groups.

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, starting with our first guidebook in 1972, from Coast to Cactus in 2014, and finally on the Julian ‘Road to Gold’ in 2017. 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, "oikocryst" 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.sandiegogeologists.org/SDAG_Pubs_authors.pdf
http://www.sandiegogeologists.org/SDAG_Pubs_chronological.pdf
Interactive Fault Map for San Diego - Tijuana

As part of the update for the San Diego-Tijuana Earthquake Planning Scenario, Working Group No. 1’s "Fault Map Subcommittee" completed the first publicly available bi-national active and potentially active fault map ([http://sandiego.eeri.org/?page_id=265](http://sandiego.eeri.org/?page_id=265)). This interactive GIS map includes the first publicly available active and potentially fault map locations from the City of San Diego. The map also integrated the faults south of the border for a bi-national cross border view. This map is an on-going project as our knowledge increases about local active and potentially active faults.

You can expand the map legend on the left side to select layers that can be turned on or off for the map view. You can also select from 1 of 12 base maps at the base map icon. You can click on the fault line in your map layer view to see the meta-data source. In addition, the City of San Diego Seismic Safety Study Geologic Hazards & Faults Maps are available in the layer titled “GeoHaz SD City.” Please note that the City “Zone 12 Potentially Active” fault layers was not included in this data, therefore you will need to use the City Maps to find Zone 12.

The Fault Map link is available at: [http://www.sandiegogeologists.org/Faults_map.html](http://www.sandiegogeologists.org/Faults_map.html)

Please contact Diane Murbach (dianemurbach@gmail.com 619-865-4333), Chair for the SDTJ Earthquake Scenario Working Group #1 - Earth Science, if you have any questions, or see any errors on this new fault map.

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.

[www.murbachgeotech.com](http://www.murbachgeotech.com)
Request for 2020 SDAG/SDGS 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.sandiegogeologists.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.sandiegogeologists.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.

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 length. Photos are welcomed; too. Please submit articles to the SDAG secretary via email.
Bay West LLC is a recognized leader delivering Environmental Solutions nationwide. Now in our 44th year of service, we are continuing to grow and expand on a national platform. Bay West offers a diverse mix of expertise in the following areas: environmental consulting, engineering, emergency response, waste management and Federal contracting services. Bay West has opened a San Diego, CA office and is seeking a mid-level California licensed Professional Geologist with hands-on experience supporting Federal Project Managers who enjoys a variety of responsibilities that include working in the field as well as in the office. This role is considered a career-track position to become a Federal Project Manager or Senior Technical Advisor who provides support to Project Managers.

Responsibilities:
Responsible for supporting multiple concurrent long-term projects from cradle to grave. Office administrative tasks will include supporting estimates and proposals, effectively qualifying and selecting subcontractors, supporting contracts to maintain budgets and track schedules (office and field). A significant percentage of the individuals time will be spent authoring and reviewing technical documents including Work Plans, Engineering Evaluation/Cost Analyses (EE/CA), Uniform Federal Policy Quality Assurance Project Plans (UFP-QAPPs), Technical Memoranda, Records of Decision (ROD), Remedial Investigation/Feasibility Studies (RI/FS), Proposed Plans, and periodic monitoring reports. The individual will assist the project manager with the coordination of field activities and support various projects being performed under CERCLA/RCRA on active military installations, Formerly Used Defense Sites (FUDS), and Base Realignment and Closure (BRAC) facilities. The individual may be asked to maintain and/or create project schedules using Microsoft Project or Primavera.

Requirements:
- Bachelor’s degree in Engineering, Geology, Environmental Science, or a related technical field.
- Registered California PG or PE
- Minimum 5 years of project support experience; with federal environmental restoration projects under the DoD (including USACE, USAEC, AFCEC & NAVFAC and/or US-EPA).
- Thorough understanding of RCRA and CERCLA processes.
- Must have the willingness and ability to accurately interpret and apply knowledge of environmental theories, processes, and state and federal reporting requirements.
- A thorough working knowledge of Microsoft Word and Excel are required with strong data management skills.
- Outstanding technical writing and communication skills.
- Ability to present technical site summaries to the project team.
- Must foster friendly, positive, productive, and team relationships.
- Ability to read and understand maps, schematic drawings, diagrams, and instruction manuals.
- Must be willing and able to travel between 20% - 25% of the time.
- The successful candidate must be capable of receiving a US Government security clearance.
- US Citizenship Required

Preferred Requirements:
- 40 Hour HAZWOPER is preferred but not a requirement (Bay West will provide this training for candidates that currently lack it).
- 30 Hour USACE Construction Quality Management Certification
- Experience working with MS Project and Primavera
- Experience working for an environmental consulting firm.
- College coursework in organic and inorganic chemistry and contaminant fate and transport.

Compensation:
In exchange for your high performance and team participation, Bay West offers long term growth potential, competitive salary and benefits package, and bonus potential in a business casual environment. Bay West is an equal opportunity employer that recognizes the value of a diverse workforce. Bay West is an EEO/AA Employer Minority/Female/Disabled/Veteran/Sexual Orientation/Gender Identity employer.

Liz Schmillen
Director, Human Resources
direct: 651-291-3490 · cell: 952-239-8693
lizs@baywest.com
www.baywest.com
Project Geologist Wanted


R. T. Frankian & Associates, Inc., a geotechnical engineering and engineering geology consulting firm since 1963, seeks a qualified individual for Project Geologist position. This position is to work on medium to large size land development-type projects, as well as to develop work within the public sector. The successful candidate must meet the following criteria.

The Project Geologist must -

• Possess BS/BA in Geology, with classes in geologic field mapping, stratigraphy/sedimentology, and structural geology
• Have 1-3 years experience in hillside grading in L. A. County or Southern California
• Be able to perform downhole boring logging, test pit logging, field supervision, slope stability analysis
• Be able to assist CEG with various aspects of land planning and development projects, especially field-related aspects
• Be willing to work in various aspects of the job (field, office, and as needed inspection)
• Possess excellent written and verbal communication skills, as well as excellent interpersonal skills
• Being a PG in the State of California is preferred but not required

Senior Engineering Geologist Wanted


R. T. Frankian & Associates, Inc., a geotechnical engineering and engineering geology consulting firm since 1963, seeks a qualified individual for the Senior Engineering Geologist position. This position is to work on medium to large size land development-type projects, as well as to develop work within the public sector. The successful candidate must meet the following criteria.

The Senior Engineering Geologist must –

• Possess BS/BA in Geology, with classes in geologic field mapping, stratigraphy/sedimentology, and structural geology
• Have 3-5 years experience in hillside grading in L. A. County or Southern California
• Be able to perform downhole boring logging, test pit logging, field supervision, slope stability analysis
• Possess excellent written and verbal communication skills, as well as excellent interpersonal skills
• Be willing to work in various aspects of the job (field, office, and as needed inspection)
• Be a CEG in the State of California


Email resumes to resumes@rtfrankian.com.
GEI Consultants, Inc. is a leading consulting engineering and environmental firm ranked #92 in the ENR top 500 (2018), with over 800 employees in multiple offices throughout the U.S. and Canada. We serve hundreds of government, energy, industry and institutional clients, and have completed 50,000 project engagements throughout the United States, Canada, and more than 20 other countries. Our technical experts are involved in dozens of specialty services emanating from our core solutions in water, energy, buildings, infrastructure and industrial.

We are seeking a full-time Senior Engineering Geologist for our Carlsbad, CA office. Experience in geologic investigations for dams and other water infrastructure projects is a plus.

**Essential Responsibilities & Duties**
- Manage the technical, financial, and client relationship aspects of a variety of geologic/geotechnical engineering projects throughout the country, with a geographic emphasis in California.
- Prepare technical scopes of work and budgets for proposals, and prepare requests for proposals for subcontractor services.
- Plan and lead the implementation of geologic/geotechnical site assessments and subsurface investigations, which include: field mapping, aerial photograph interpretation, rock and soil borings, surface and downhole geophysics, LiDAR analysis, preparation of technical reports, and providing technical oversight of subcontractors including review/approval of invoices and work proposals.
- Participate actively in professional organizations and conferences; deliver presentations, and write technical papers.
- Generate new business.
- Prepare and deliver technical presentations to clients and regulators.
- This position has a field component; travel, and some overnight travel are required.

**Minimum Qualifications**
- B.S. in Geology; M.S. is a plus.
- P.G. and C.E.G. with registration in California.
- 10+ years of previous professional experience in engineering geology.
- Excellent technical report writing and communication skills.
- Willingness and ability to travel on short-term assignments as needed.
- Valid U.S. driver’s license.

GEI is an EEO/AA/M/F/Vet/Disability employer

Apply here: [https://jobs.ourcareerpages.com/job/396913](https://jobs.ourcareerpages.com/job/396913)

For other opportunities within GEI, go to: [https://geiconsultantsinc.ourcareerpages.com/](https://geiconsultantsinc.ourcareerpages.com/)
PROJECT GEOLOGIST

Geotechnical Exploration, Inc. is seeking a qualified individual for a Project Geologist position available immediately. Position duties, criteria & requirements are as follows:

- Manage and/or perform all phases of a wide variety of development/construction projects
- Supervise the work of staff geologists and technicians
- Prepare geologic/geotechnical reports and review reports prepared by staff geologist and engineers
- Prepare and review boring and trench logs
- Perform and supervise field exploration programs, background reviews, and geological mapping
- Prepare and present proposals, scopes of work and budgets for new projects
- Interface with the client and team to proactively troubleshoot and problem-solve using practical, client-focused solutions
- Manage projects, budgets, scope, change orders and collections (from start to finish)

A strong command of regional soils and rock identification and properties, geologic hazards identification, and all applicable forms of construction observation/testing is mandatory. In addition, the qualified individual should

- Be technically competent in routine geotechnical matters and have a complete understanding of geologic factors which affect engineering design
- Have excellent communication skills (written and verbal)
- Have strong computer skills - Word, Excel, and Google Earth
- Be able to organize priorities and multi-task effectively in a team environment and play well with others
- Have a BA/BSc in Geology plus a minimum of 5 years project-level experience

Must have Professional Geologist Registration for State of California

Certified Engineering Geologist for State of California is preferred but not required

Salary commensurate with experience. Please email resumes to info@gei-sd.com
Vacancy in the Site Restoration and Agricultural Program Unit

The San Diego Water Board, part of the California Environmental Protection Agency, has an opening for a full-time Engineering Geologist position in San Diego. The position involves a wide range of geological work and projects throughout a large area of Southern California. Get your applications in now for this exciting opportunity to work with other environmental professionals to protect and restore our natural resources.

Complete applications are due February 19, 2020. Get started now and the first step is to make sure you are on the eligibility list by taking the “exam” here:


All the information about the position and how to apply is here:


SnapNHD is looking to hire an experienced geologist to review our natural hazard disclosure report and act as an ongoing advisor to the company. If you are interested in learning more, please contact will@snapnhd.com. A sample report can be found here: Sample Report
Hargis + Associates, Inc. is an environmental consulting firm specializing in hydrogeology and engineering. We are headquartered in San Diego, California and have offices in Mesa and Tucson, Arizona. Our practice areas include all aspects of hydrogeology and engineering.

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Contact: Dr. David R. Hargis

H&P Mobile Geochemistry is an industry-leading provider of environmental lab services. With ten mobile labs and five direct push sampling trucks and unparalleled experience, H&P’s repertoire of environmental lab services includes many forms of environmental lab sampling techniques all the way to on site field analysis services. H&P has successfully and accurately performed environmental lab services delivering quality results to our clients for over 16 years.

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Contact: Louise Adams or Suzie Nawikas

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Leighton is a multidiscipline engineering firm, providing geotechnical, environmental, and testing and inspection services. Founded in 1961, Leighton provides engineering solutions to public agencies, property owners, and facilities. With offices located in San Diego, Irvine, Los Angeles, Temecula, Rancho Cucamonga, Palm Desert, Santa Clarita, Ventura, and Bakersfield, we efficiently service any region of Southern California. Our professional staff of Registered Geotechnical Engineers, Professional Geologists and Certified Engineering Geologists, Registered Hydrogeologists, and Registered Environmental Assessors and Certified Inspectors provide decades of local experience for the successful completion of your projects.

For additional information, please contact Bob Stroh (rstroh@leightongroup.com)

Website link:  http://www.leightongroup.com

- Dr. Pat Abbott — SDSU Professor of Geology, Emeritus
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- Dan Gomes — CAVU Brewing
- Joe Corones
- Dr. Monte Marshall—SDSU Prof. of Geology & Geophysics, Emeritus
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SUMMARY

Billy is a successful Geotechnical Geologist of which his skills are developed through work experience and formal education. His technical skills comprise of being a Certified Pile-Driving Inspector, Asbestos Awareness Trained, OSHA 40 Hour Training and Nuclear Gauge Certified. A well-rounded skill base of 7 years of work experience, theoretical knowledge and longstanding interest in geology underpins his career. He is computer literate, proficient with MAC and Windows applications, including gINT, Canvas, Office (Word, Excel), Adobe Acrobat, MiniTAB (statistics), GIS (ArcView and ArcInfo) and Internet/Web use. He is a team player with capacity for leading and teaching others however does work effectively as part of a team or independently. Billy is goal-oriented and self-motivated with a systematic, detail-oriented approach to assignments. His key skills include strong organization, communication and presentation delivery, backed by an outgoing personality allowing him to build a solid working rapport with people from different disciplines, backgrounds and cultures.

PROFESSIONAL EXPERIENCE

Geovert • Denver, CO
Technician

11/18-3/19

• Drilled foundations, grouted and assembled two rock fall barriers along C-470 in Morrison, CO.
• With the assistance of a helicopter, our team installed the last of 13 avalanche control towers in the mountains above the Eisenhower-Johnson Memorial Tunnel and I-70 in Summit County.

PT Freeport Indonesia • Tembagapura, West Papua, Indonesia
Site Engineer

11/13-9/14

• Site investigations for rock fall barrier and meshing placement and installation.
• Advised and assisted the drilling and assembly crews for construction of Geobrugg 5,000 and 8,000 kJ rock fall barriers based on the approved designs of the manufacturer and geologic conditions.
• Advised and assisted in the installation and monitoring of pinning back slopes using mesh and soil nails
• Performed rock anchor tests with 30 tons hydraulic ram.
• Advised and assisted with placement and drilling for rock blasting. As well as the scaling (removal) of fragmented rock.
• QA/QC management.
• Collaboration with engineers and project managers from other divisions within PT Freeport.
Fisher and Strickler Rock Engineering • San Diego, CA 12/11- 10/13
Staff Geologist

Projects:

Tehachapi Renewable Transmission Project Segment 6 • Palmdale, CA 12/12 - 5/13
• Advised drilling crews based on geologic conditions, split-spoon sampling and monitored installation of micropiles for foundations of transmission towers.
• Observed rock anchor testing and recorded results.
• Assisted onsite PG with foundation excavation inspections for compliance with Cal/OSHA safety criteria.
• Composed internal daily reports based on work performed and field observations, micropile installation spreadsheets and boring logs.
• Assisted senior staff with compiling final reports.

Valley - Devers #2 500kV Line • White Water, CA 9/12 - 3/13
• Advised drilling crews based on geologic conditions, split-spoon sampling and monitored installation of micropiles for foundations of transmission towers.
• Assisted onsite PG with foundation excavation inspections for compliance with Cal/OSHA safety criteria.
• Composed internal daily reports based on work performed and field observations, micropile installation spreadsheets and boring logs.

Sunrise Powerlink • Alpine, CA 12/11 - 7/12
• Advised drilling crews based on geologic conditions, split-spoon and monitored installation of micropiles for foundations of transmission towers.
• Monitored pull testing on foundation rebar.
• Assessed hydrology and advised ground crews on remediation for erosion and ponding mitigation.
• Composed internal daily reports based on work performed and field observations and micropile spreadsheets.
• Drafted boring logs on gINT.

Signet Testing Labs • San Diego, CA 08/05 - 07/06
Soils Technician
• Monitoring and recognizing environmental hazards particularly asbestos for a large mass grading project of over several million yards (Vulcan Mission Valley).
• Soil sample collection during a mass grading job of over several million yards (Vulcan Mission Valley).
• Observing and inspecting trench backfill and subgrade using a Nuclear Gauge for quality control and assurance.

Construction Testing and Engineering • Escondido, CA 03/02 - 02/05
Staff Geologist
• Applied for permits. Researched job sites and reviewed previous reports. Scheduled contractors. Planned and executed Phase 1, 2 and fault trench investigations with backhoes and drill rigs (bucket augers and 6 to 8-inch augers) including mapping geology, measuring strike and dips and soil sampling. Performed percolation tests. Installed and

• Observed and inspected trench backfill, mass grading of over 1 million yards, Class II Base, asphalt, retaining walls (Keystone, Allen Block), footings and pile-driving (Downtown San Diego and Las Vegas International Airport). Proficient with a Nuclear Gauge.
• Lab experience.

PROFESSIONAL EDUCATION, CERTIFICATIONS AND LICENSES

B.S. Geology • University of Delaware • Newark, DE 1996-2001

Certified Pile-Driving Inspector
Asbestos Awareness Trained
OSHA 40 Hour Trained
Nuclear Gauge Certified
RYA/YA Offshore Yachtmaster
First Aid and CPR Trained
SCUBA (NAUI) Certified

REFERENCES AVAILABLE UPON REQUEST
SAN DIEGO ASSOCIATION OF GEOLOGISTS
www.sandiegogeologists.org

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Website: ________________________________________________________________

Are you willing to serve as an officer? _______ Are you willing to volunteer as a guest speaker? _______

Field(s) of Interest: _________________________________________________________

Dues: (check choice) _____ Student Member (email delivery only) $ 5.00

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Please enclose a check payable to SDAG, and mail to:

San Diego Association of Geologists (SDAG)
3130 N Evergreen Street
San Diego, CA  92110

Revised 11/01/2019
NAME: __________________________________________ DATE: ______________
(as you would like it to appear in Newsletter, Website, and Guidebook)

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Are you interested to serve as an officer? _____ Willing to volunteer as a guest speaker? ________

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San Diego Geological Society, Inc.
3130 North Evergreen St.
San Diego, California  92110  Thank you!

Donations may also be made at monthly meetings.

Revised 11/01/2019