

SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegogeologists.org

SDAG MEETING ANNOUNCEMENT

WEDNESDAY JAN/20/2021
6:30 PM - Meeting

*** VIRTUAL MEETING ***

Join from PC, Mac, Linux,
iOS or Android:

[https://cccconfer.zoom.us/j/
99078690257?
pwd=MUJDMUM1cIU5WkVzWFEz
R1h6aERmZz09](https://cccconfer.zoom.us/j/99078690257?pwd=MUJDMUM1cIU5WkVzWFEzR1h6aERmZz09)

Password: 088567



THIS WILL BE A JOINT MEETING WITH SCGS

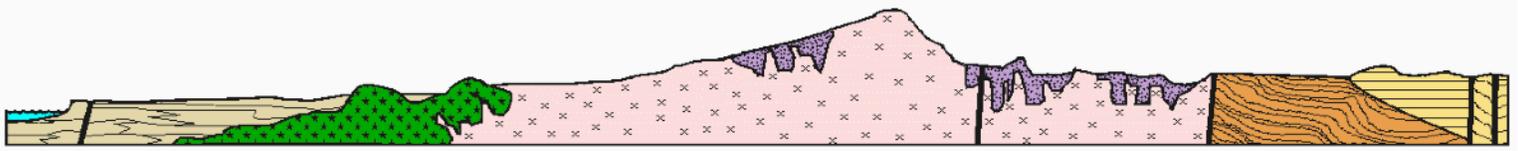
**TITLE: Shallow landslide and debris flow activity
in San Diego County, early April, 2020**

BY:



W. Paul Burgess, M.S., P.G.
Engineering Geologist
California Geological Survey





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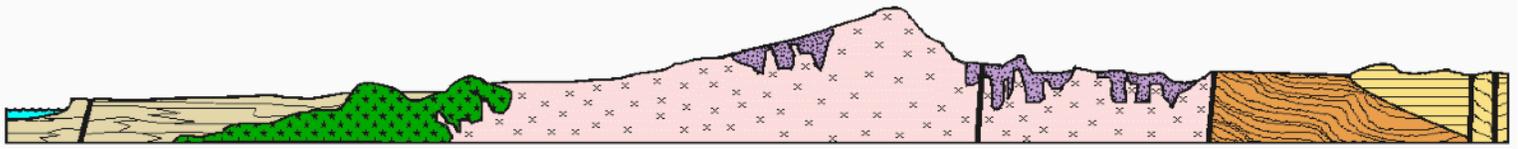
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ABSTRACT

In early April 2020, a large regional storm-induced landslide event affected multiple communities in northern San Diego County. In particular, early on the evening of Friday April 10, a large debris flow impacted a beloved local tennis club, residential community, assisted-living facility, and charter school in Encinitas and caused upwards of \$1 million in damage. In late April, Burgess traveled to the impacted area and made field observations. UAS-based imagery was obtained from the tennis club, and subsequent work with Alex Morelan (Engineering Geologist, CGS) was essential for performing change detection and slide volume calculations within the inundation zone of the debris flow. Approximately 2,500 cubic meters of debris traveled approximately one kilometer from its source; luckily the bulk of the debris (approximately 2,000 cubic meters) was contained by tennis court fencing, which saved the downstream area from more significant damage. The importance of characterizing the debris flow and other landslides as completely as possible led to the additional gathering of meteorological data for the storm event. Stefani Lukashov (Engineering Geologist, CGS) provided analysis of available regional and local precipitation data for the storm event, which successfully documented triggering rainfall conditions responsible for the landslide and debris flow activity. In all, more than 40 separate landslide events, including the debris flow, occurred within an approximate 48-hour period of time during and immediately following the largest recorded rainfall on record in northern San Diego County. The cataloging of these landslide events has added a robust collection of new data to the CGS Recent Landslides database, demonstrating the utility of this innovative data product.

SPEAKER BIO

W. Paul Burgess is an Engineering Geologist in the California Geological Survey's Regional Geologic and Landslide Mapping Program, where he arrived in October 2018. Prior to joining the CGS, Burgess worked in the geotechnical engineering world in Los Angeles. He earned a MS in Geology from the University of California, Los Angeles focused on studying active faulting and tectonic geomorphology in the northeastern Indian Himalayan foothills. Prior to his time at UCLA, he earned his BS in Geology at the University of Houston in Texas, where he first became fascinated in geology after participating in geologic expeditions traversing the far northwestern Nepal Himalaya. Since coming aboard the CGS, Burgess has been especially grateful to steadily grow his knowledge of mapping landslide geomorphology and processes. In his spare time he enjoys riding his bicycle.



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PRESIDENT'S CORNER

Hello SDAG Members!

I hope the first newsletter of 2021 finds you well! As we enter the new year, I want to give big thanks to all who continue to be a part of and support SDAG. Last year we saw a big shift in the way we do things and through the commitment of our members, we were able to continue to meet every month (virtually) and put on our annual field trip. This year might not be much different, but we remain determined to bring interesting and engaging presentations each month. So, just a quick reminder to fill out and send in your 2021 memberships and, if you have the reserves, 2021 sponsorships.

This month's meeting will be held jointly with SCGS and, due to security protocols they have in place, we will be sending out the link to the meeting the day before, or even the day of, the meeting.

Cheers!

Luke Weidman

2021 EXECUTIVE COMMITTEE

HAPPY NEW YEAR!

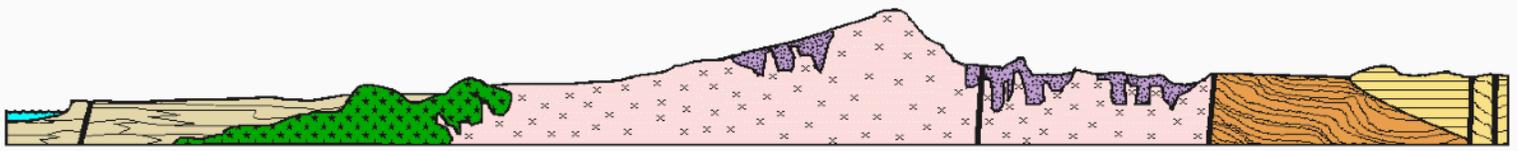
WE ARE EXCITED TO INTRODUCE SDAG's
2021 EXECUTIVE COMMITTEE!!!

PRESIDENT:	Luke Weidman lcweidman@gmail.com
VICE-PRESIDENT:	Keith Kastama keithkastama@gmail.com
SECRETARY:	Mariana Aguilar secretary@sandiegogeologists.org
TREASURER:	Athena Catanzaro athenacatanzaro@gmail.com

UPCOMING EVENTS

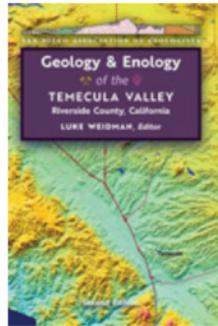
NEXT MEETING: Wednesday, February 17th 2021.

***Meetings are usually held on the 3rd Wednesday of the month. This may change to accommodate the speaker and meeting place schedules. Please check the [SDAG website](http://www.sandiegogeologists.org) for updates.



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Geology & Enology of the Temecula Valley: Riverside County, California, 2nd Edition

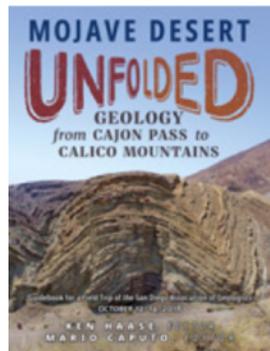
ISBN: 9781941384619

Editor: Luke Weidman

Retail: \$29.95

Temecula Valley's ideal combination of well-drained soils and unique microclimate helped it become the successful wine-producing region that it is today. The San Diego Association of Geologists returns to the region after 20 years with this updated and expanded collection of self-guided road logs and articles to interest and inform the experienced geologist, the casual traveler, and the wine enthusiast.

**NEW
SDAG
PUBLICATIONS**



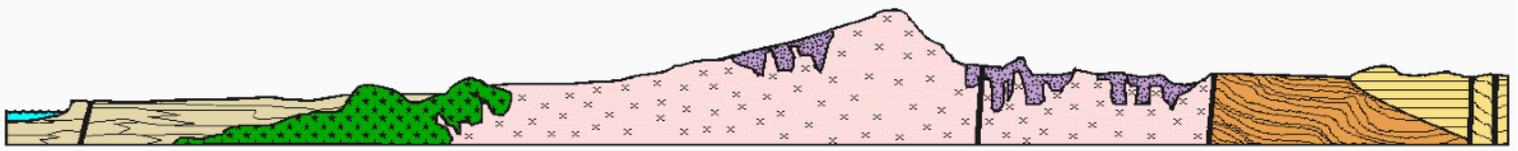
Mojave Desert Unfolded: Geology From Cajon Pass to Calico Mountains

ISBN: 9781941384602

Editor: Ken Haase

Retail: \$19.95

This guidebook covers the 2018 San Diego Association of Geologists annual field trip to the Mojave Desert. It will take you across tectonic plates, faults and folds. You will be able to observe the geology of the Mojave Desert and also the impacts humans have had in its history. This guidebook covers an area that the San Diego Association of Geologists has rarely covered in its history and is a great addition to the publications of SDAG.



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SPOTLIGHT:

Thursday
Jan/19th/2021

FREE!

*must pre-register



Geology & Enology of the Temecula Valley

Luke Weidman

January 19th at 6:00 pm

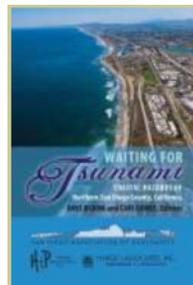
In celebration of our new publications, editor **Luke Weidman** will be the **next guest in our Sunbelt Spotlight series**. As always, this talk is free, hosted through Zoom, and a recording will be made available.

The SDAG is very happy to present the second edition of *Geology and Enology of the Temecula Valley*. A lot of hard work went into finishing this book and putting on a socially-distant field trip in 2020. Temecula Valley has changed a lot in the last 20 years and they are excited to share some of the highlights.

[**REGISTER HERE**](#)

**SDGA
BOOKSALE**

In conjunction with the Sunbelt Spotlight and new releases, we are offering **20% off** on a selection of our available SDAG titles.

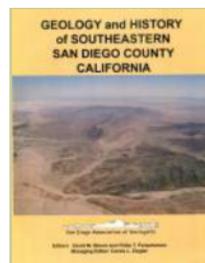


Waiting For Tsunami: Coastal Hazards of San Diego County, California

ISBN: 9780916251239

Editors: Cari Gomes, David M. Bloom

Retail: ~~\$24.95~~ **Special: \$19.95**



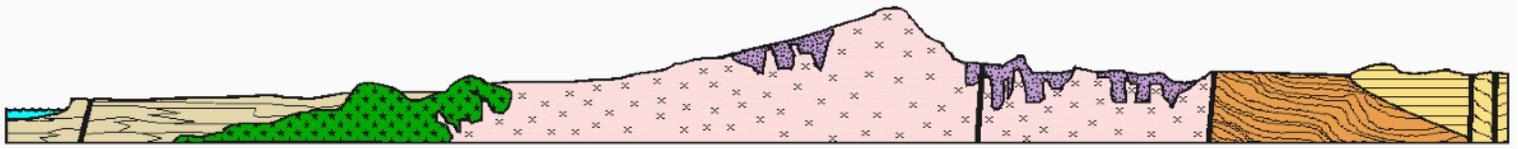
Geology and History of Southeastern San Diego County California

ISBN: 9780916251789

Editors: Carole L. Ziegler, David M. Bloom, Philip T. Farquharson

Retail: ~~\$29.95~~ **Special: \$23.95**

[**SHOP NOW**](#)



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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.

SDGA 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

GEO JOB POSTINGS

Please Submit Job Postings to:

secretary@sandiegogeologists.org

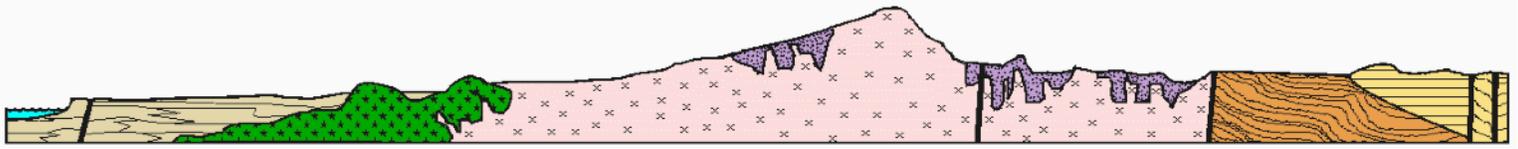
For Updated Job Postings, please Visit:

<http://www.sandiegogeologists.org/Jobs.html>

GEO PHOTOS

Please Submit Your Photos to:

secretary@sandiegogeologists.org



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Request for 2021 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.

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.

REQUESTS
FOR

2021

SPONSORS

\$100.00 Donation - EMERALD SPONSOR

\$500 Donation - RUBY SPONSOR

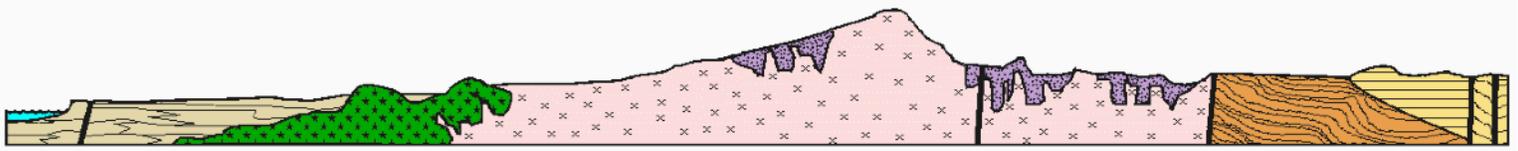
\$1,000.00 Donation - DIAMOND SPONSOR

All sponsors will be listed on the [SDAG web site](#) and in the monthly SDAG meeting newsletters. In addition, "DIAMOND SPONSORS will be presented with a thank you plaque.

Sponsors as well as information on how to become a Sponsor are located on the SDAG web site at:

<http://www.sandiegogeologists.org/Sponsors.html>.

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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THANK YOU SPONSORS !!!



Diamond



Kuper Consulting, LLC



Ruby



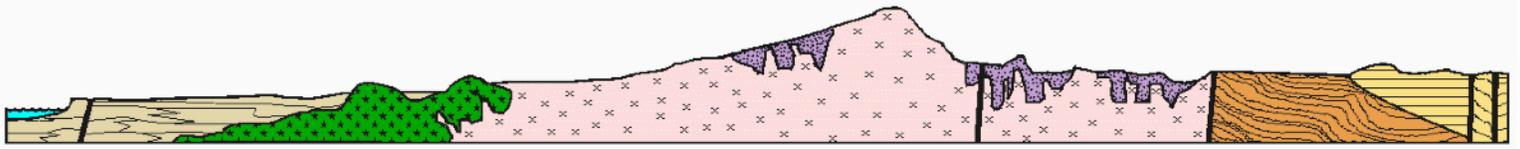
Dave Bloom



Emerald

- [Dr. Pat Abbott](#) - SDSU Prof. of Geology, Emeritus
- Marty and Sherry Bloom
- [Dr. Vic Camp](#)
- Joe Coronas
- Greg Cranham - Consulting Geologist
- Dr. Margaret R. Eggers, CHG - [Eggers Environmental, Inc.](#)
- Karen Evans for Jim Evans (deceased)
- Phil Farquharson - [Geology Guy](#)
- Geotechnical Exploration, Inc.
- Carolyn Glockhoff - [Caro-Lion Enterprises](#)
- Cari Gomes - [Pinao Consulting](#)

- [Woody Higdon, Geotech Imagery Intl.](#)
- Frank Kingery Tom Lamb
- Lowell E. Lindsay and Diana Lindsay - [Sunbelt Publications](#)
- Dr. Monte Marshall - SDSU Prof. of Geology and Geophysics, Emeritus
- Doug & Betty Moran
- Jennifer Morton - [Terramar Environmental](#)
- Monte and Diane Murbach - [Murbach Geotech](#)
- [Pacific Drilling Co.](#) - Tod Clark
- [Peet's Coffee & Tea Solana Beach](#)
- [Pure Wine, Inc.](#)
- Gerald Shiller
- [Scott Snyder](#)
- Starbucks - Devore/San Bernardino
- David and Jan Steller
- [Dr. Anne Sturz](#)
- Randy Wagner
- Mary Walke
- Carole L. Ziegler



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