

Update on the Geologic Maps Foundation's (GMF) efforts from 2017 - 2018 (as of 01/27/2018)

DEBRIS FLOW FACTS & SAFETY FOLLOWING THE THOMAS FIRE & MONTECITO DEBRIS FLOWS, SOUTHERN CALIFORNIA: [Debris Flow Safety Following the Thomas Fire & Montecito Debris Flows](#)

DEBRIS FLOW FACTS & SAFETY IN VENTURA: Debris flow safety summary in response to Thomas Fire's impact on the Ventura hillsides: [Debris Flow Safety In Ventura](#)

Aliso Canyon Gas Storage Field, site of the largest methane leak in US history, and the fault hazard:

- 1) **Capstone publication for 2017:** Article in the journal **Science** discussing the Santa Susana fault hazard at the field and quality of scientific effort:
http://geologicmapsfoundation.org/resources/Science_3Nov2017_EvaluatingFaultLinesinAliso_v358_issue6363_p601.pdf
- 2) OpEd in LA Daily News discussing fault hazard at field and quality of scientific effort:
http://geologicmapsfoundation.org/resources/OpEd_LA_Daily_News_06Aug2017.pdf
- 3) Presentations given to three professional geologic societies, Fault displacement hazards at Aliso Canyon and Honor Rancho natural gas storage fields, southern California:
 - 9/11/2017, South Coast Geological Society, Santa Ana, CA,
http://southcoastgeo.org/?page_id=12
 - 10/17/2017, Coast Geological Society, Ventura, CA,
<http://www.coastgeologicalsociety.org/home.html>
<https://www.facebook.com/coastgeologicalsociety/>
 - 11/14/2017, San Joaquin Geological Society, Bakersfield, CA,
<http://sanjoaquingeologicalsociety.org/current-abstract/>
- 4) Comments to DOGGR (Division of Oil, Gas, & Geothermal Resources, California Department of Conservation) regarding Supplement to SoCalGas' Storage Risk Management Plan #2, (10/11/2016), and shown as Attachment B to Letter from Southern California Gas to DOGGR and CPUC, dated November 1, 2016,
http://geologicmapsfoundation.org/resources/GMF_Comment_to_Risk_Mgmt_Plan_2_06Feb2017_Final.pdf
- 5) Comments to PHMSA (Pipeline and Hazard Materials Safety Administration, U.S. Department of Transportation) on the Interim Final Rules (IFR) for interstate and intrastate gas storage fields: Inclusion of the earthquake fault displacement hazard and risk management into IFR, dated February 8, 2017,
http://geologicmapsfoundation.org/resources/Comments_to_IFR_08Feb2017.pdf

Rohingya Refugee Crisis:

- 1) Provided GIS geologic mapping of Chittagong Hills, Bangladesh to Groundwater Relief (<http://groundwater-relief.org/>) for providing clean water at 3 refugee camps in Ukha and Teknaf Peninsula area of Bangladesh.

Active Fund Raiser for GMF:

- 1) Introductory field geology of the Eastern Mojave Desert and Mitchell Caverns, 3:00 PM, Friday, December 8, 2017 to 11:00 PM, Sunday, December 10, 2017. No prior geologic knowledge is required. Donation of \$250.00/participant using a personal vehicle, or \$350.00/participant using provided van transport. For more information email: geologicmapsfoundation@gmail.com

Field Trips: The Geologic Maps Foundation sponsored and led seven professional society field trips in 2016-2018:

- 1) Geologic field trip to the Mojave National Preserve, California, 2016:
<http://geologicmapsfoundation.org/resources/Geology%20of%20the%20Mojave%20National%20Desert%20Preserve%2023Sept2016.pdf>
- 2) Structural Geology and Oil Field Traps of the Western and Southern Margins of the San Joaquin Basin, California, 2016:
<http://geologicmapsfoundation.org/resources/PS%20AAPG%202016%20Structure%20of%20WSSJB%20guidebook.pdf>
- 3) Structural transect along Highway 33, Ventura to the Cuyama Badlands, California (April 2, 2017):
http://geologicmapsfoundation.org/resources/Structural_transect_along_Highway_33-02Apr2017_final.pdf
- 4) Santa Rosa Island Geology Field Trip (August, 2017):
<http://geologicmapsfoundation.org/trips-santarosaisland-82017.html>
- 5) Geologic field trip to the Eastern Mojave Desert, California (October, 2017)
- 6) Santa Cruz Island Geology Field Trip (November, 2017)
- 7) Death Valley (February 1-5, 2018)

Please share our efforts with any interested party or organization.

Much appreciated,

Thom

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