

# Update on the Geologic Maps Foundation's (GMF) efforts from 2017 - 2018 (as of 18Mar 2018) Most recent listed first

National Weather Service forecasts biggest storm of the season will arrive Tuesday (March 20, 2018) with major concern for recent burn areas in southern California.... Models agree that there will be a significant hydrological event driven by an atmospheric river moving into southern California...:

[http://geologicmapsfoundation.org/resources/DEBRIS\\_FLOW\\_SAFETY\\_IN\\_VENTURA.pdf](http://geologicmapsfoundation.org/resources/DEBRIS_FLOW_SAFETY_IN_VENTURA.pdf)

Submitted comments to DOGGR (Division of Oil, Gas, & Geothermal Resources, California Department of Conservation) on February 27, 2018, RE: Public Comments to Modifications to Requirements for California Underground Gas Storage Projects..... 1726.3. (Risk Management Plans)....

GMF Comment on DOGGR Modifications to UGS Regulations

[http://geologicmapsfoundation.org/resources/GMF\\_comment\\_on\\_DOGGR\\_modifications\\_UGS\\_regulations\\_27Feb2018.pdf](http://geologicmapsfoundation.org/resources/GMF_comment_on_DOGGR_modifications_UGS_regulations_27Feb2018.pdf)

Debris Flow Facts & Safety Following the Thomas Fire & Montecito Debris Flows, Southern California (1/30/2018):

[http://geologicmapsfoundation.org/resources/DEBRIS\\_FLOW\\_SAFETY\\_IN\\_VENTURA.pdf](http://geologicmapsfoundation.org/resources/DEBRIS_FLOW_SAFETY_IN_VENTURA.pdf)

Debris Flow Facts & Safety in Ventura: Debris flow safety summary in response to Thomas Fire's impact on the Ventura hillsides: Debris Flow Facts & Safety in Ventura ( first distributed 12/22/2017):

[http://geologicmapsfoundation.org/resources/DEBRIS\\_FLOW\\_SAFETY\\_IN\\_VENTURA\\_OLD.pdf](http://geologicmapsfoundation.org/resources/DEBRIS_FLOW_SAFETY_IN_VENTURA_OLD.pdf)

## 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](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](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](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](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](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 Ukhia 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](mailto: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](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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