Holy Fire Burn Area
• What to expect this winter

• Overview of studies and areas of concern

• Private property mitigation
Debris and mud flow:

• Fast moving, deadly landslide

• Travels fast, can’t outrun it
It’s all about rainfall intensity – not total rainfall

*Can be triggered by rainfall of 0.5” per hour or more of rainfall
Rainfall only has to occur for 15 minutes
Takes 3-5 years for canyon slopes to stabilize/recover*
Bridge at creek in Montecito filled with debris from the January 9 deadly rains and mudflow (Photo by Blake Herman/SB County Fire via SBC Fire Info Twitter)
Corona Canyon Fire 1 aftermath Jan 2018
Other Post Fire Effects

- Rainfall runoff can be 2 to 5 times higher than normal, particularly during small storms
- Ash, burnt smell from first storms of the year
- Slopes subject to erosion, failure
- Rockfall from steep slopes
- Extended road closures, loss of utilities
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BAER Team Members

- Archaeologists
- Botanists
- Geologists
- GIS Specialist
- Hazmat & Trails Specialist
- Roads Engineer
- Soil Scientist
- Watershed Specialist
- Wildlife Biologist
USGS Builds Debris Flow Models
CalFire Watershed Emergency Response Team
Rapid Assessment of risks to people and property
Holy Fire Polygon Results

**SiteNumber**: 62  
**Community**: Horsethief Canyon Ranch development  
**Address**: Silver sturup dr  
**Hazard**: Debris flow and flood, houses built in channel, plugged drop inlet  
**HazardCat**: debris flow / flood  
**Feature**: homes, structures, drainage structure  
**FeatureCat**: home  
**HazLife**: MODERATE  
**HazProp**: MODERATE  
**PrelimEMP**: Early warning system, clean drainage inlet  
**PrelimEMP2**: Monitor and maintain drainage structure  
**CreationDa**: 8/30/2018  
**EditDate**: 8/30/2018  
**Editor**: smcree_cadoc  
**Haz_Rank**: MODERATE  
**RuleID**: MODERATE
| SiteNumber | 20 |
| Community | Indian Creek - Glen Eden Sun Club |
| Hazard     | Debris flow and flooding hazard to trailers mobile homes at club. Numerous granitic boulders in active channel up to a meter or more in diameter, indicating high energy flows in recent past. Second channel buried under east side of club |
| HazardCat  | debris flow / flood |
| Feature    | Club community |
| FeatureCat | home |
| HazLife    | HIGH |
| HazProp    | HIGH |
| PrelimEMP  | Early warning system. Consider evacuating area during significant forecast storms |
| CreationDa | 8/30/2018 |
| EditDate   | 8/30/2018 |
| Editor     | smccrea_cadoc |
| Haz_Rank   | HIGH |
| RuleID     | HIGH |
To Create Interim Risk Maps
Evacuation zones developed by CalFire and the Sheriff
District Projects

McVicker Dam

Horsesthielf Canyon

Leach Canyon Dam
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Before the Storm

• Store outdoor furniture and other objects that could be damaged by storms, thrown by winds, or carried away by water.

• Cut down weakened trees that could damage your home.

• Take care of grading or drainage needs on your property.

• Inspect retaining wall drain holes, surface and subsurface drains and yard drains for signs of obstruction or malfunction.

• Establish native plants or place other ground cover on bare ground, slopes or freshly graded areas.

Contact the National Resource Conservation District for assistance - 951.654.7139
www.rivcoready.org/stormready

- BAER Report
- CalFire WERT Report
- Homeowners Guide
- Risk and Evacuation Maps
- AlertRivco Sign-Up
- Other Current Information
Information for Homeowners if Subject to Flooding

Standard homeowner policies do not cover flood damage!

Purchase Flood Insurance offered by the National Flood Insurance Program
(Policy takes 30 days to activate)

1-888-Call-Flood
www.floodsmart.gov