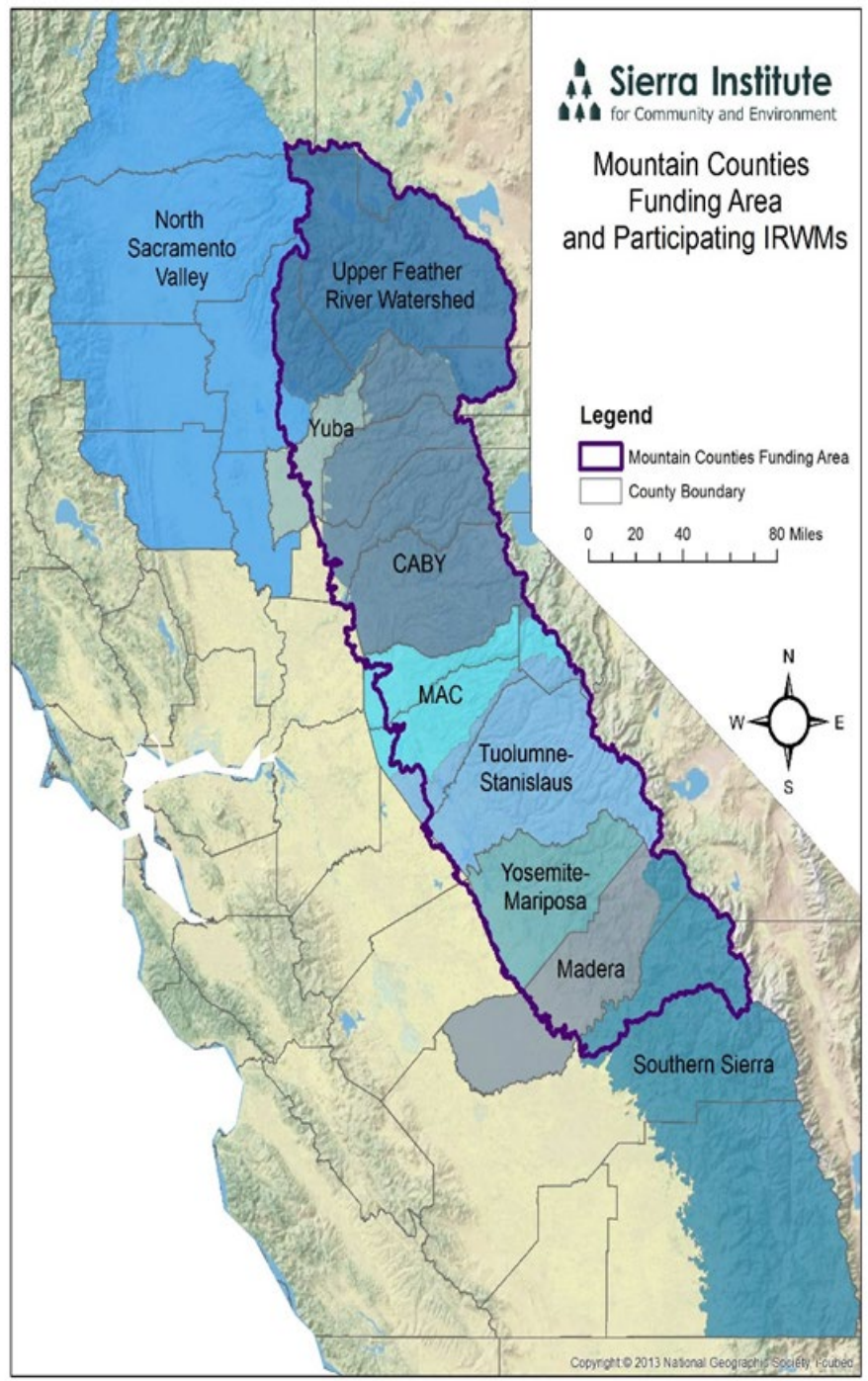
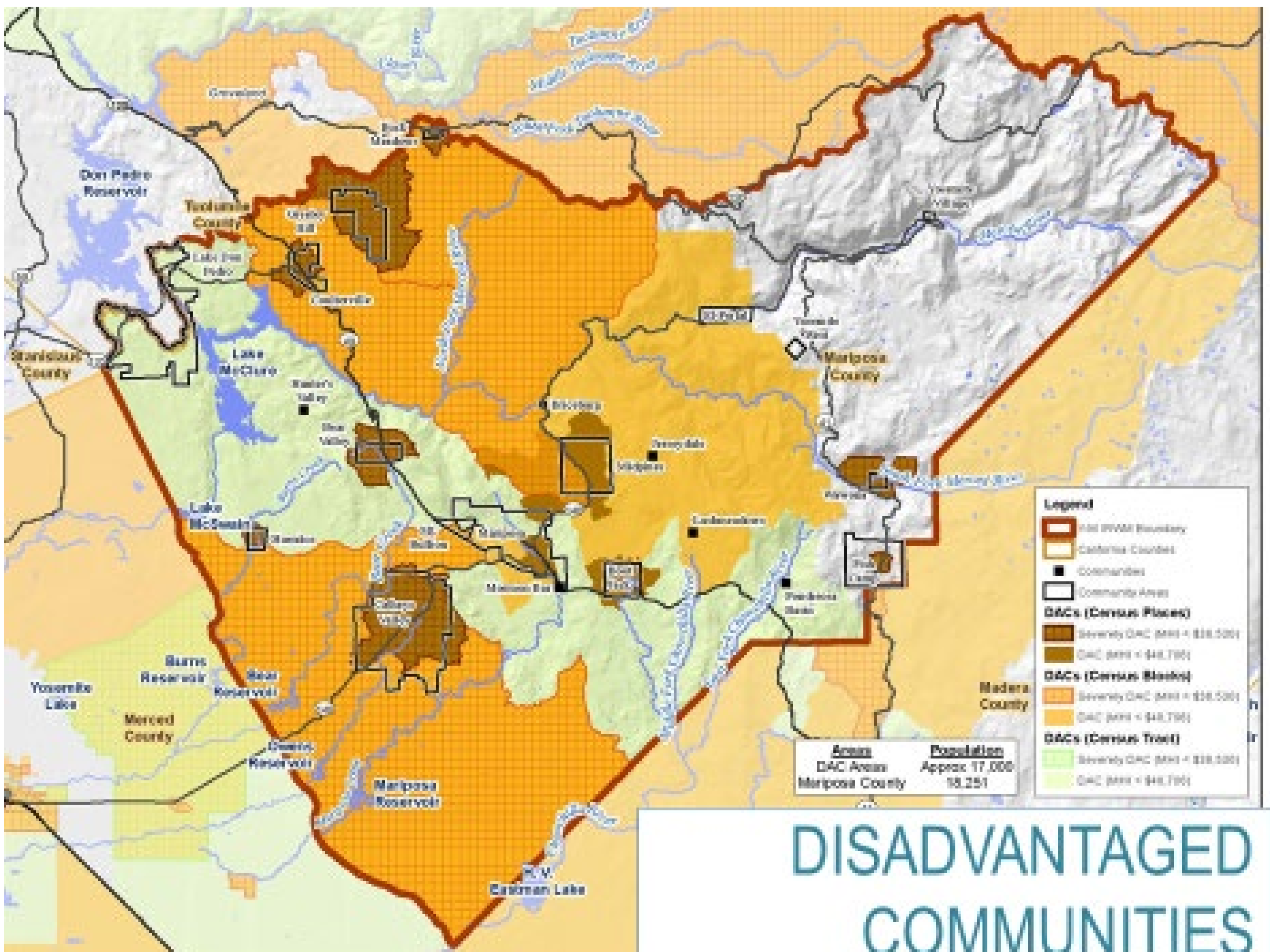




Yosemite-Mariposa IRWM

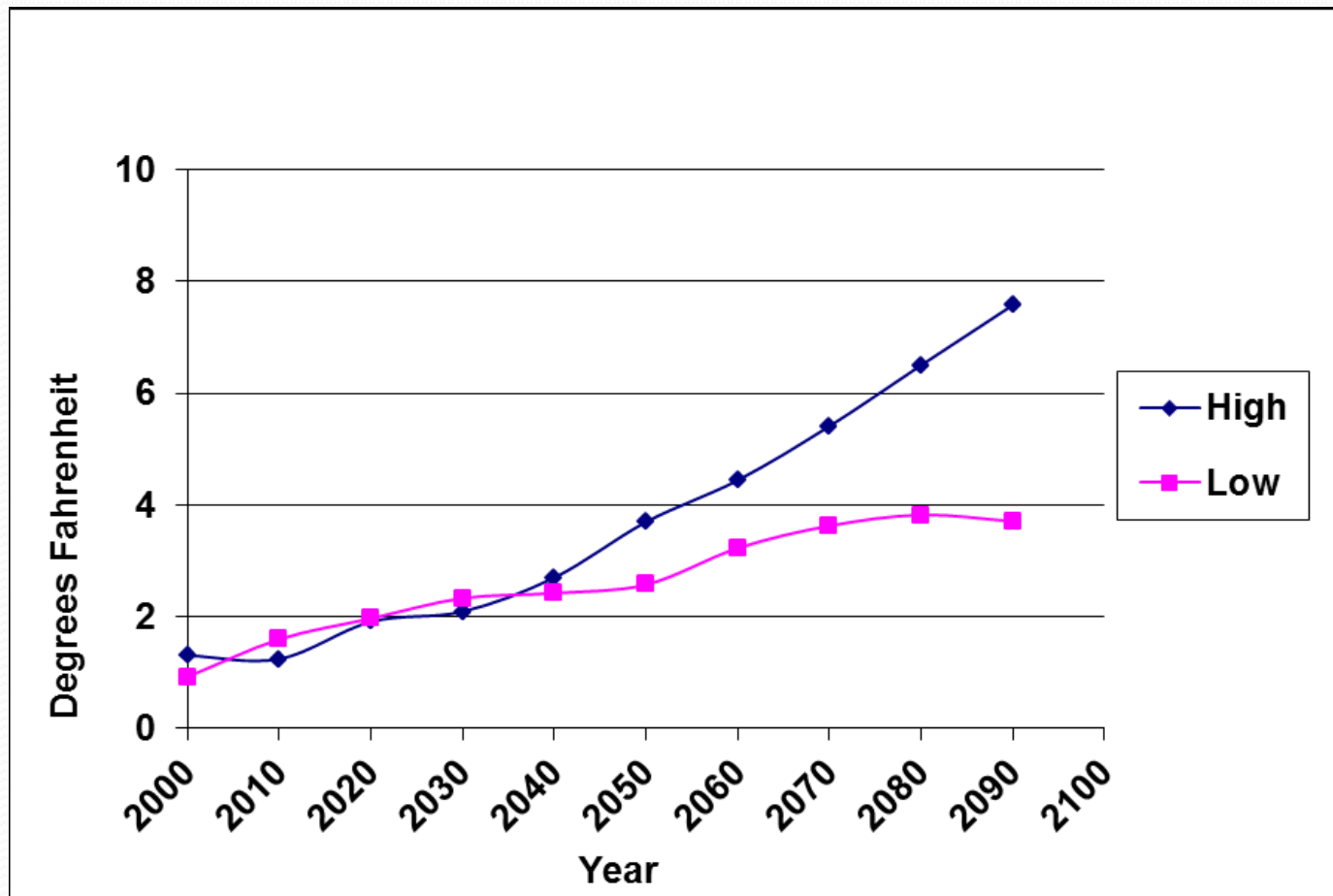
Bootjack Fire Station Water Storage





DISADVANTAGED COMMUNITIES

Response to Climate Change



Cal-adapt.org. Based on average of 4 Climate Models for 2 Emission Scenarios (High, Low) using Base Period, 1951-1990. Location near town of Mariposa.

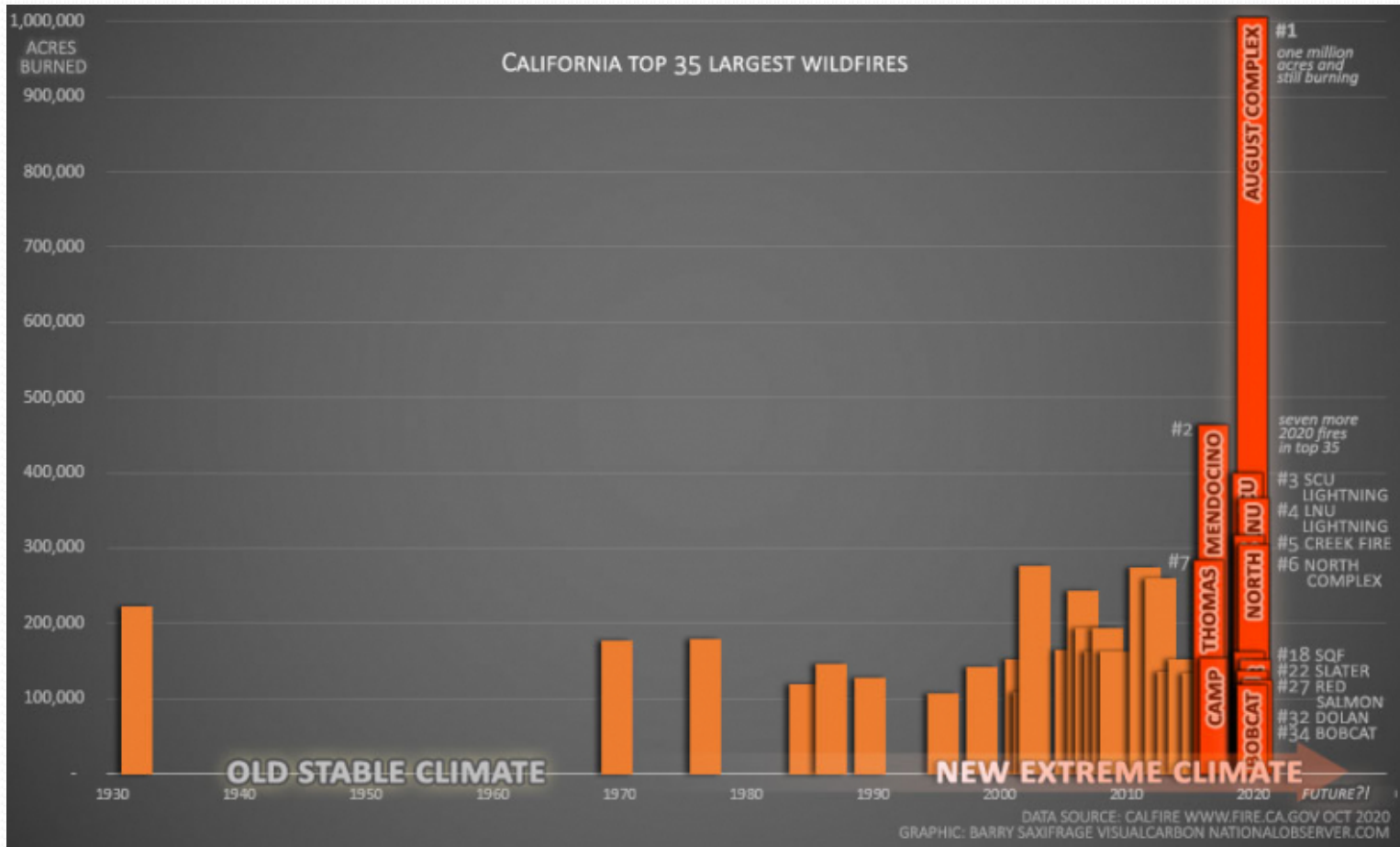


Response to Climate Change

“Based on the vulnerabilities, future efforts of the Region with regard to Climate Change will focus on reducing wildfire risk through:

- Reducing fuel load
- Increased restoration efforts for water supply, water quality, and ecosystem benefits
- Improving understanding of water quality risks associated with wildfire.”

Larger, Hotter Fires





IRWM Listed Needs

Section 3.3.1 (pg 3-18):

- Inadequate water storage and resources for adequate community fire protection
- Prevention of catastrophic wildfire and mitigation of resulting water quality impacts

“Fire presents a significant danger with approximately 70% of the communities listed as high or very high risk from wildfires.”

“Postfire floods, mud flows, and debris flows often ensue when rain soaks previously burned slopes. The effects can produce significant water quality impairments, affect stream physical conditions and aquatic habitat, and pose risks to human health and safety.”

Table 3-6: Summary of Available Fire Fighting Water Sources

| Community | Nearest Water Source |
|-------------------------------|--|
| Bear Valley | Bagby, there is no reliable fire suppression water source in Bear Valley |
| Bootjack | Privately owned water tank (28,000 gallons), ponds, seasonal water in large creeks and rivers |
| Cathey's Valley | Bear Creek Reservoir, Owens Reservoir, ponds |
| Coulterville | Lake McClure, ponds |
| Fish Camp | Three community water systems and some hydrants, Tenaya Lodge, Tenaya Cottages/Apple Tree Inn, and White Chief, Big Creek |
| Greeley Hill | Stanislaus National Forest, Buck Meadows Station (60,000 gallons in water tanks), Merced River, ponds |
| Hornitos | Lake McSwain, Lake McClure |
| Hunters Valley | Lake McClure, Merced River |
| Jerseydale/ Mariposa Pines | Community water system and hydrants in Mariposa Pines (186,000 gallons with a recharge of 100 gpm), ponds |
| Lake Don Pedro | Rated hydrants, Lake Don Pedro, Lake McClure |
| Lushmeadows | Dawn Lake and Mallard Lake outfitted with dry hydrants |
| Mariposa ^(a) | Stockton Creek Reservoir, community water system and hydrants (2,000,000 gallons storage tank) |
| Midpines | No near water sources. More distant water sources are: Merced River, 1M gallon tank on Colorado Road available to service a hydrant system |
| Mormon Bar | Greenamyers Pond, Hensley Lake, ponds |
| Mt. Bullion ^(a) | Airport storage and hydrants system |
| Ponderosa Basin | Hydrants, ponds, swimming pools, seasonal Chowchilla River |

Source: Mariposa County, Community Wildfire Protection Plan, 2010 UD, 2014



Bootjack Fire Station Water Storage

- 165,000-gallon bolted steel tank
 - Meets drinking water and NFPA 22 standards
- 35' x 35' level pad
- New 10 hp well pump and casing for existing well
- 2" piping
- Fire hydrant with booster pump
- 8' x 8' pump house on 10' x 10' level pad
- Backup generator
- Trenching



Bootjack FS Project

- Revised project addresses #1 Priority needs
 - Visible
 - Accessible
 - Equipped with hydrant and booster pump
 - Upgraded well capable of refilling tank
 - Reduces turnaround time
- Addresses Prop 1 priorities
 - Regional Self-Reliance
 - Adapted to Climate Change
 - Protects Watershed and Water Resources

YM-IRWM Partners

Mariposa County Fire

Mariposa County Public Works

Goal #7 -Enhance Landscape Health

- AA. Increase amount of water available in the region to use for fire suppression.
- BB. Reduce risk of catastrophic fire.