



Climate Information for Disaster Management

Bridging the Weather and Climate Timescales

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Global Hazards



Pacific Ocean | 1000 mi | 1000 km

SCALE
1 : 69 991 251

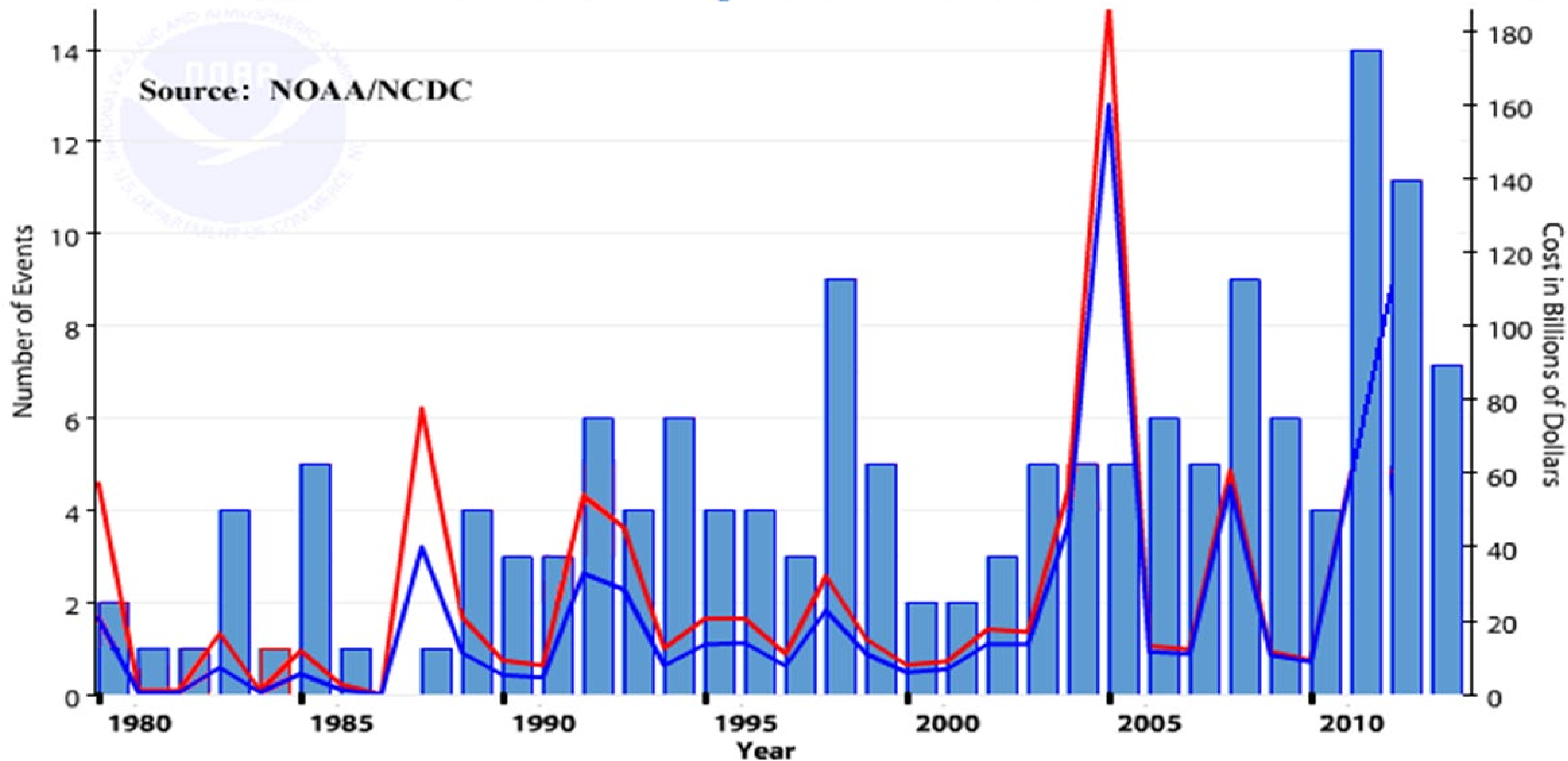
Search Location

bing

Billion-Dollar U.S. Weather Disasters, 1980 - 2013

— Cost — CPI-Adjusted Cost ■ # Events (CPI-Adjusted)

Source: NOAA/NCDC



Weather Disasters to Which FEMA Region IX Responds

- **Flooding**
- **Tropical Cyclones**
- **Fires**
- **Drought**
- **Tsunamis**

FEMA Challenge

Anticipate

Touch ID or Enter Passcode
Recognize

Prepare

For Weather Disasters

Concept

$$\text{WDR} = \text{HCR} + \text{C}^2 + \text{CO}$$

Weather
Disaster
Risk

Historical
Climate
Risk

Current
Conditions

Climate
Outlook



CLIMAS

Climate Assessment for the Southwest

Studied by CLIMAS

HydroClimate Dashboard

Stewarded by NWS



Integrated into FEMA



HYDROCLIMATE DASHBOARD

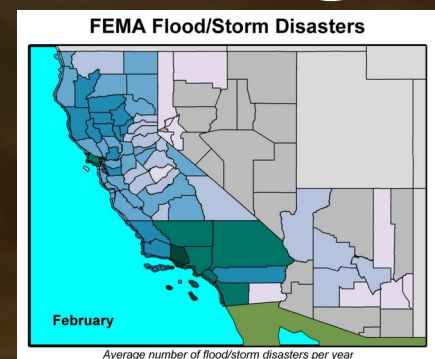
Context Summary

Hydro-Climate Context for February

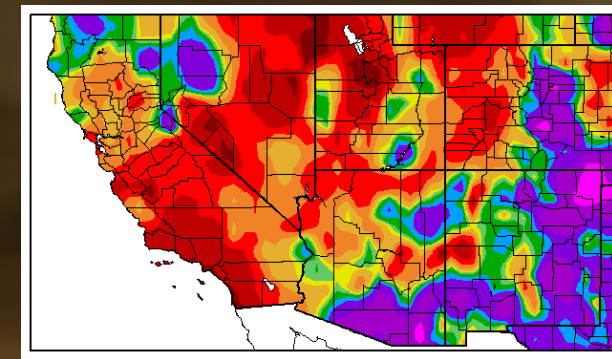
Updated on Jan. 28, 2015. Text valid for Jan. 28 - Feb. 20

The heart of the rainy season continues despite a mostly dry January

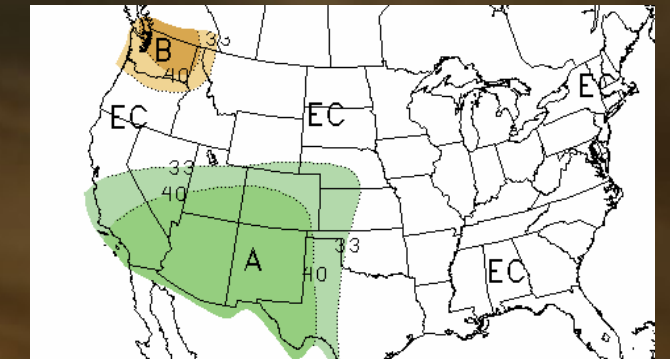
Historical Averages



Current Conditions



Climate Outlooks



Leveraging Climate Information to Help FEMA Monitor, Anticipate, and Prepare for Potential Disasters

Future Goals

**Expand to Include
Other Climate Risks**



**Make Available to
Other Federal Partners**



Questions?



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