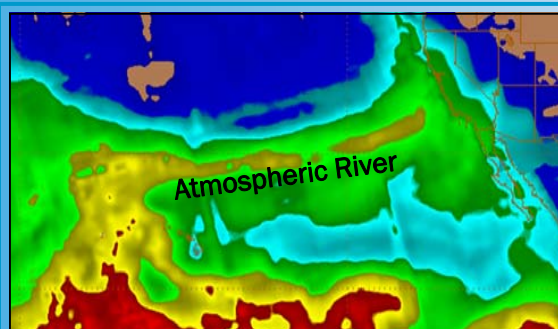


For review 5-7-15

# NOAA Weather Forecasts and Monitoring *Weather-Ready Nation*



Atmospheric moisture rivers pointed towards California bring most of our precipitation and floods.

## Monitor Weather

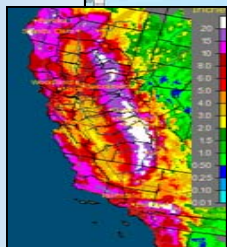
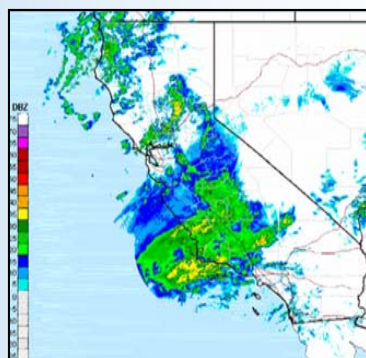
- Warnings, watches and advisories
- Observed rainfall
- Historical data
- NOAA Weather Radio

## Important Definitions

- **Warning:** Hazardous life, property or commerce threatening conditions are imminent or occurring. Take action now.
- **Watch:** There is the potential for hazardous conditions. Prepare now.
- **Advisory:** Means low impact and not property or life threatening. Flood prone areas should take notice.

## Doppler Radar

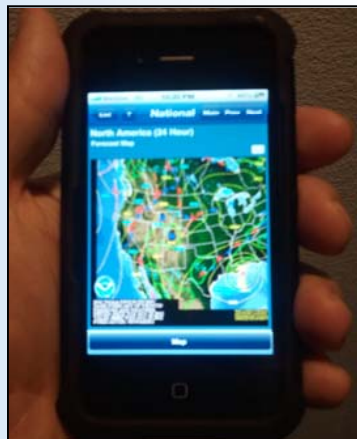
Continuous monitoring of precipitation systems.



Weather Station

## Mobile Weather and Forecasts

[mobile.weather.gov](http://mobile.weather.gov)



## Floods in California

This California Flood Preparedness brochure is to provide you with some helpful information to increase your awareness of flooding in California.

The resources provided in this brochure can help you find flood insurance, find out if you are in a FEMA mapped floodplain, and help you become prepared in the event of flooding.



Source: DWRs Hydrology and Flood Operations Office.

San Joaquin River flooding near Merced. (January 1997)



[www.water.ca.gov/ca-flood-preparedness/](http://www.water.ca.gov/ca-flood-preparedness/)

Contact National Weather Service at:  
11440 W. Bernardo Court, Suite 230  
San Diego, CA 92127  
Alexander.Tardy@noaa.gov



## California Flood Preparedness



Source: DWRs Hydrology and Flood Operations Office.



Brochure Created by NOAA  
California Flood Preparedness

Sponsored by:  
California Department of Water Resources  
California Emergency Management Agency  
U.S. Army Corps of Engineers  
Federal Emergency Management Agency  
Sacramento County Department of Water Resources, Stormwater Utility

For review 5-7-15

# California Floods: Be Prepared, Be Aware

## Be Prepared

- ◆ Know where to evacuate and have a plan.
- ◆ Purchase affordable flood insurance if you live in a flood prone area.
- ◆ Get an emergency kit.
- ◆ Clear storm drains.

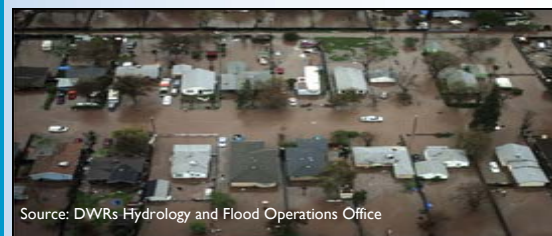


## Be Aware

- ◆ Stay away from waterways and monitor children.
- ◆ Pay attention to nearby storms.
- ◆ Do not drive through water.
- ◆ Water may be deeper or flowing faster than it appears follow: **Turn Around Don't Drown®**
- ◆ Know your risk and surroundings in low lying areas or near waterways.
- ◆ Identify evacuation routes and higher ground areas.
- ◆ Monitor weather forecasts.

## Does Your Homeowner's Insurance Cover Floods?

- ◆ You might be surprised to find out it does not cover floods.
- ◆ Find out more at [www.floodsmart.gov](http://www.floodsmart.gov)



Source: DWR's Hydrology and Flood Operations Office

Black Rascal Creek flooding near Merced (April 2006)

## Types of Floods

- ◆ Flash Floods (excessive rainfall)
- ◆ Levee or dam break
- ◆ Debris flow and fire scars
- ◆ River overflow and floodplains
- ◆ Coastal inundation (surge and tsunami)
- ◆ Storm water and localized flooding
- ◆ Alluvial fans or dry wash flooding

## Turn Around Don't Drown®



Source: Alex Tardy

Car trapped in San Diego River in Mission Valley overflow flooding, San Diego (December 2010) [tadd.weather.gov/](http://tadd.weather.gov/)

## How Many Flood Facts Do You Know?

- A car can float in 18 inches of water.
- 1 inch of flood water can cause damages of \$10,000.
- \$5.4 billion is the value of crops grown in California floodplains.
- 1.4 million Californians live or work in floodplains.
- 30 year averages show that flooding is the number one natural hazard cause of death.

## Do You Need Flood Insurance?



**FloodMap Mobile** from Atkins North America allows you to view FEMA flood maps, insurance rates, claims and damage data, stream gages, and much more. Available for both Apple and Android smart phones. FEMA's Flood Smart program also offer free KML Google layers at [www.r9coastal.org](http://www.r9coastal.org)

## Resources

### Weather Information

[weather.gov](http://weather.gov)  
[digital.weather.gov](http://digital.weather.gov)  
[water.weather.gov](http://water.weather.gov)  
[nws.noaa.gov/com/weatherreadynation/](http://nws.noaa.gov/com/weatherreadynation/)

### Preparedness Information

[myhazards.calema.ca.gov](http://myhazards.calema.ca.gov)  
[water.ca.gov](http://water.ca.gov)  
[nws.noaa.gov/stormready/](http://nws.noaa.gov/stormready/)  
[floodsmart.gov](http://floodsmart.gov)  
[msc.fema.gov](http://msc.fema.gov)  
[r9map.org](http://r9map.org)