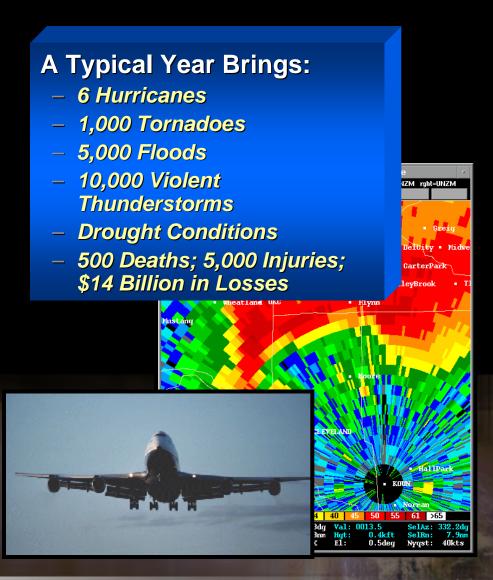


Saving Lives Through Partnership

Lynn Maximuk
National Weather Service
Director, Central Region
Kansas City, Missouri

U.S. Yearly Threats/Impacts

- Climate, Water, Weather Forecasts and Warnings are used to protect life and property and enhance the economy
- 76 billion observations
- 1.5 million forecasts
- 50,000 warnings





Policy, Institutional and Legal Frameworks

- The U.S. National Response Framework (NRF) provides the guiding principles that enable all response partners to deliver a unified national response to disasters and emergencies.
- Maintained by the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA)



National to Local Emergency Planning

- The National Incident Management System (NIMS) provides information to guide departments and agencies at all levels of government, nongovernmental organizations, and the private sector to work seamlessly during significant events.
- The components of NIMS work together to provide the national framework for incident management from Preparedness, Communications and Information Management, Resource Management, Command and Management to Ongoing Management and Maintenance.



NMHS/DRM Responsibilities

Planning

Hazard analysis completed to identify all natural hazards that impact jurisdiction. Mitigation strategies are created with emphasis on mitigating weather linked hazards.

Response

Response protocols are developed for identified hazards for both pre event and during for responder and victim safety.



Responsibilities cont...

Warning

Risk information coordinated with the NWS for sheltering, long term mass care and evacuation activities.

Warning times are crucial to allow local jurisdictions, states and the federal response agencies to alert citizens of impact, recommend protective measures, and to allow authorities to prepare response capabilities.



Emergency Preparedness And Response Activities (local to national)

- Actions taken once warning is issued
 - Weather warnings are issued for both potential impact and verified impact of event (i.e. Tornado Warnings)
 - Local governments continue monitoring situation to determine impacts
 - State government response
 - Federal response



Improvement Example In Preparedness And Prevention

- Integrated Warning Team partnership of National Weather Service, local media representatives and local emergency managers
 - Common communication protocols to public
 - Joint understanding of why warnings issued and local government response – led to better understanding by NWS, media and local governments of responsibilities to citizens

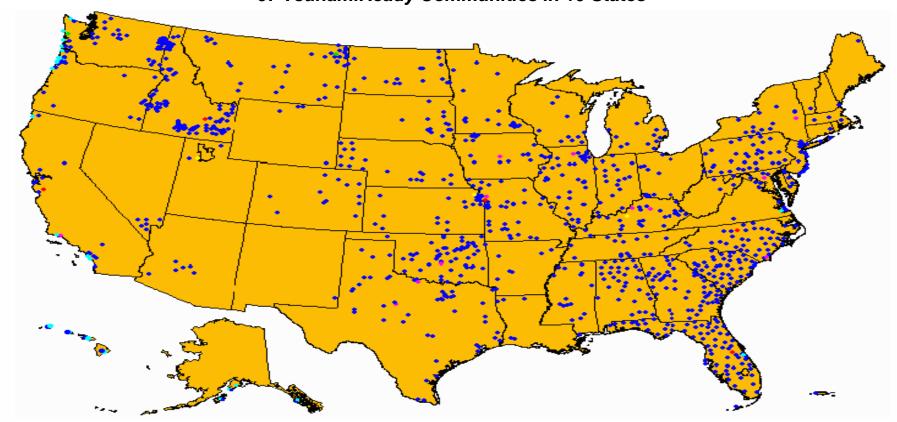
Overall Lessons Learned And Future Steps For Improving The System

- Continue to link warning areas to citizen notification systems (Text, S.A.M.E. Radios, Cell notification)
- Enhancement of the Integrated Warning Team concept to continue cooperation between local media, the NWS and local emergency managers
- Continue to use weather research to define hazards and use to justify education and training of citizens to mitigate known hazards.



StormReady/TsunamiReady Community Preparedness Program

~1500 StormReady Communities in 50 States 67 TsunamiReady Communities in 10 States



Legend

Gold states have StormReady® communities or counties Light Blue dots are TsunamiReady communities Blue dots are StormReady® Communities Red dots are StormReady® Commercial Sites Green dots are StormReady® Indian Nations
Purple dots are StormReady® Universities
Yellow dots are StormReady® Military sites





Our Goal

Saving Lives Through Partnerships



PARTNERS







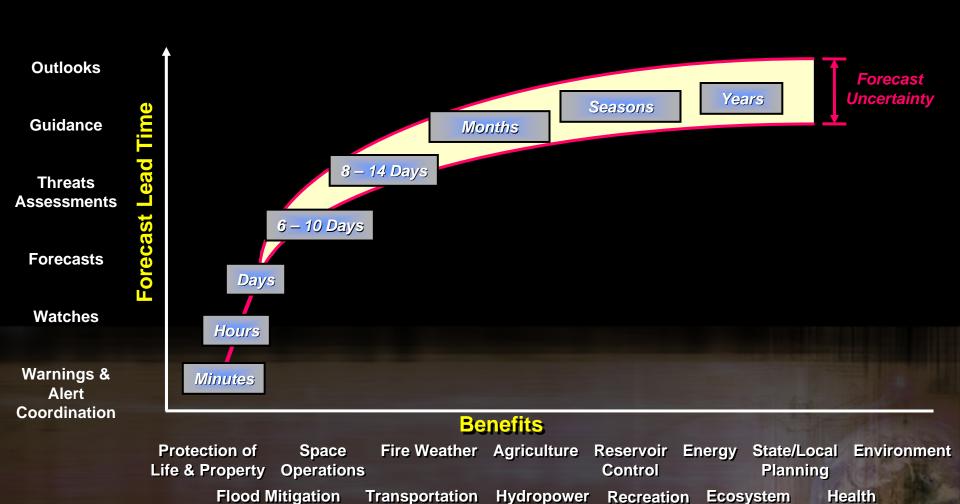






NOAA's NWS Overview

Seamless Suite of Products





& Navigation

Hurricane Concerns

Tropical Cyclone History

NORP NORP

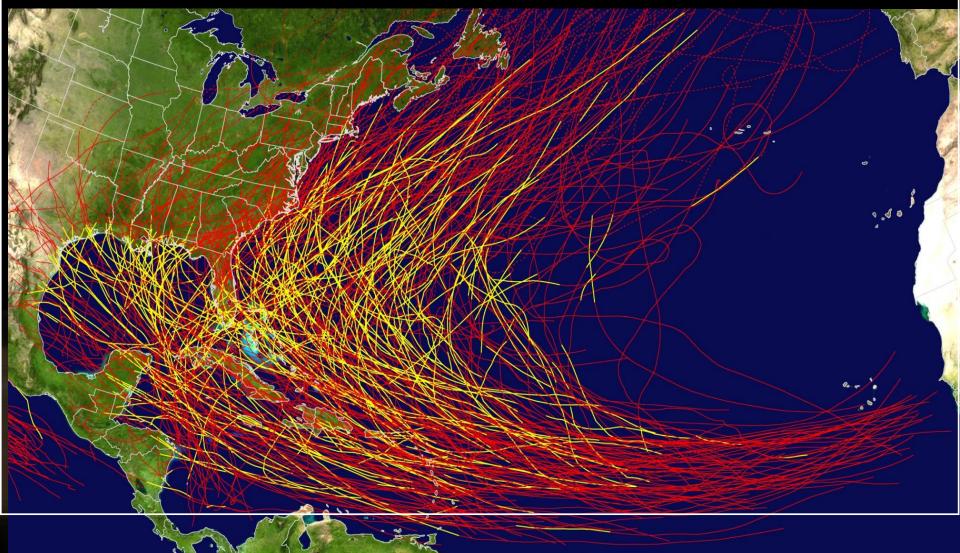
Data since 1949 in the Pacific, 1851 in the Atlantic



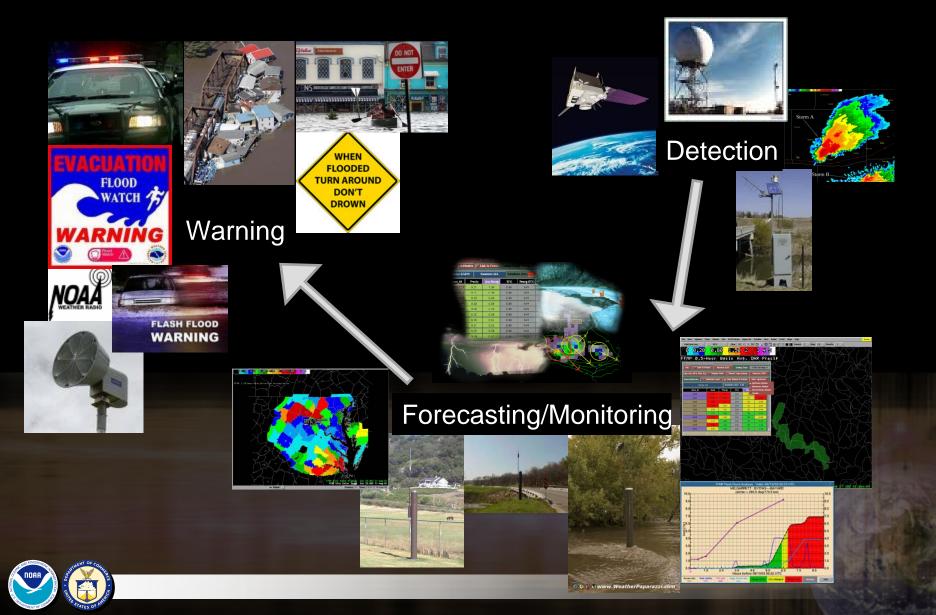
Major Hurricanes Account for Most of the **Damage**

Major Hurricane History Data since 1949 in the Pacific, since 1851 in the Atlantic

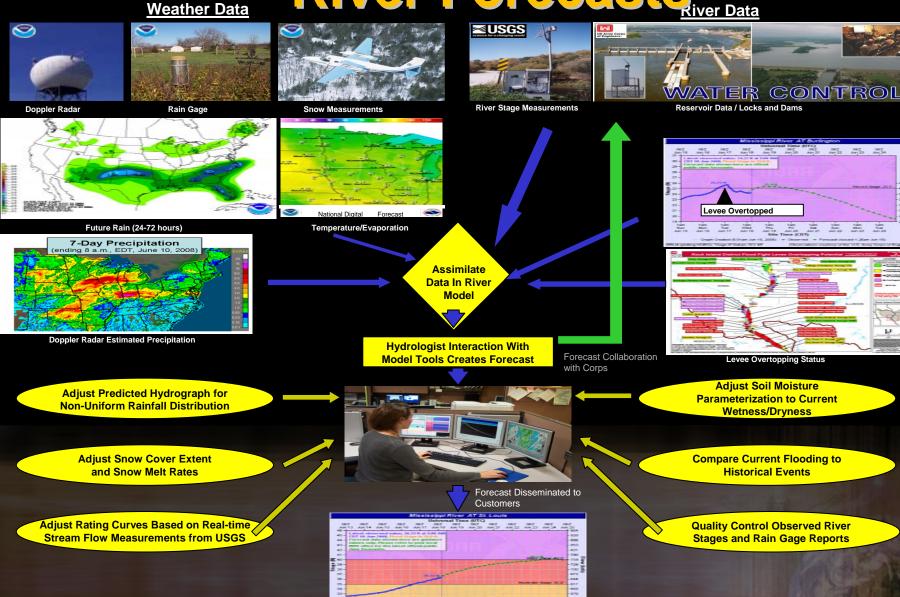




Flash Flood and Debris Flow



River Forecasts River Data



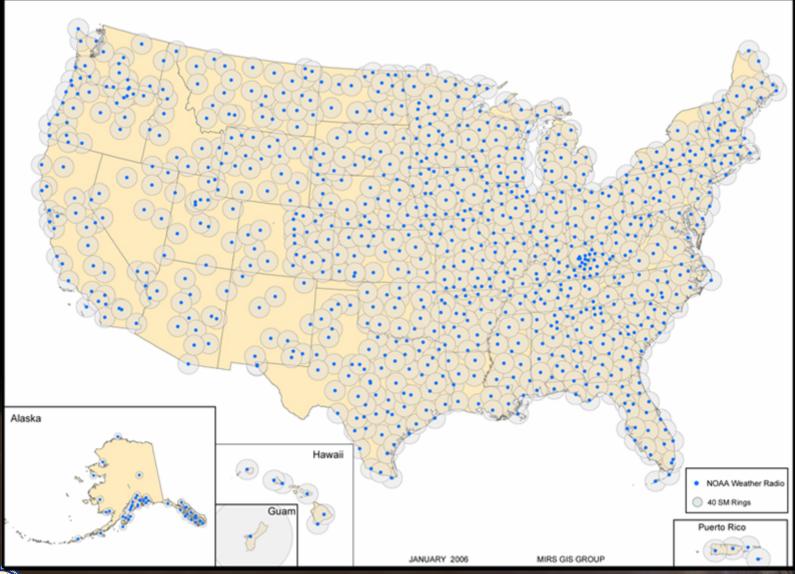


Dissemination Methods

- National Weather Service Controlled Methods
 - ✓ NOAA Weather Radio All Hazards
 - ✓ NOAA PORT
 - ✓ Weather Wire
 - ✓ Emergency Managers Weather Information Network
- Mobile Communication Devices
 - √ Cell Phones
 - ✓ Personal Digital Assistants (PDA)
- Internet



NOAA Weather Radio All Hazarde







Storm Surveys/Assessments

