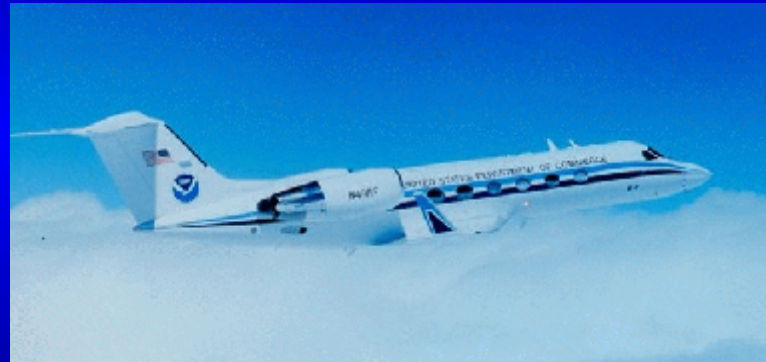


28th AMS Conference On Broadcast Meteorology

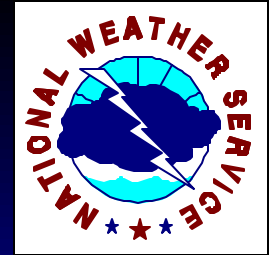
Session 6: Looking Back, Soaring Ahead



National Weather Service & Partners
--Opportunities For the Next Millennium--

John J. Kelly, Jr.

Assistant Administrator for Weather Services



A Century of U.S. Meteorological Milestones

P 1899, Hurricane warning network established

P 1900, Cable exchange of weather information with Europe

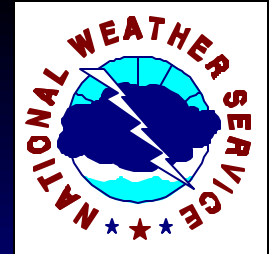


P 1998, Doppler Radar Network completed

P 1999, AWIPS Network operational

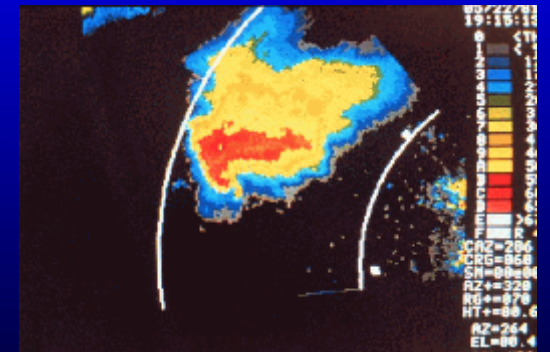


Our Mission Has Not Changed



- P Provide weather, water, and climate forecasts and warnings
 - < To America
 - < To protect life and property
 - < To enhance the national economy

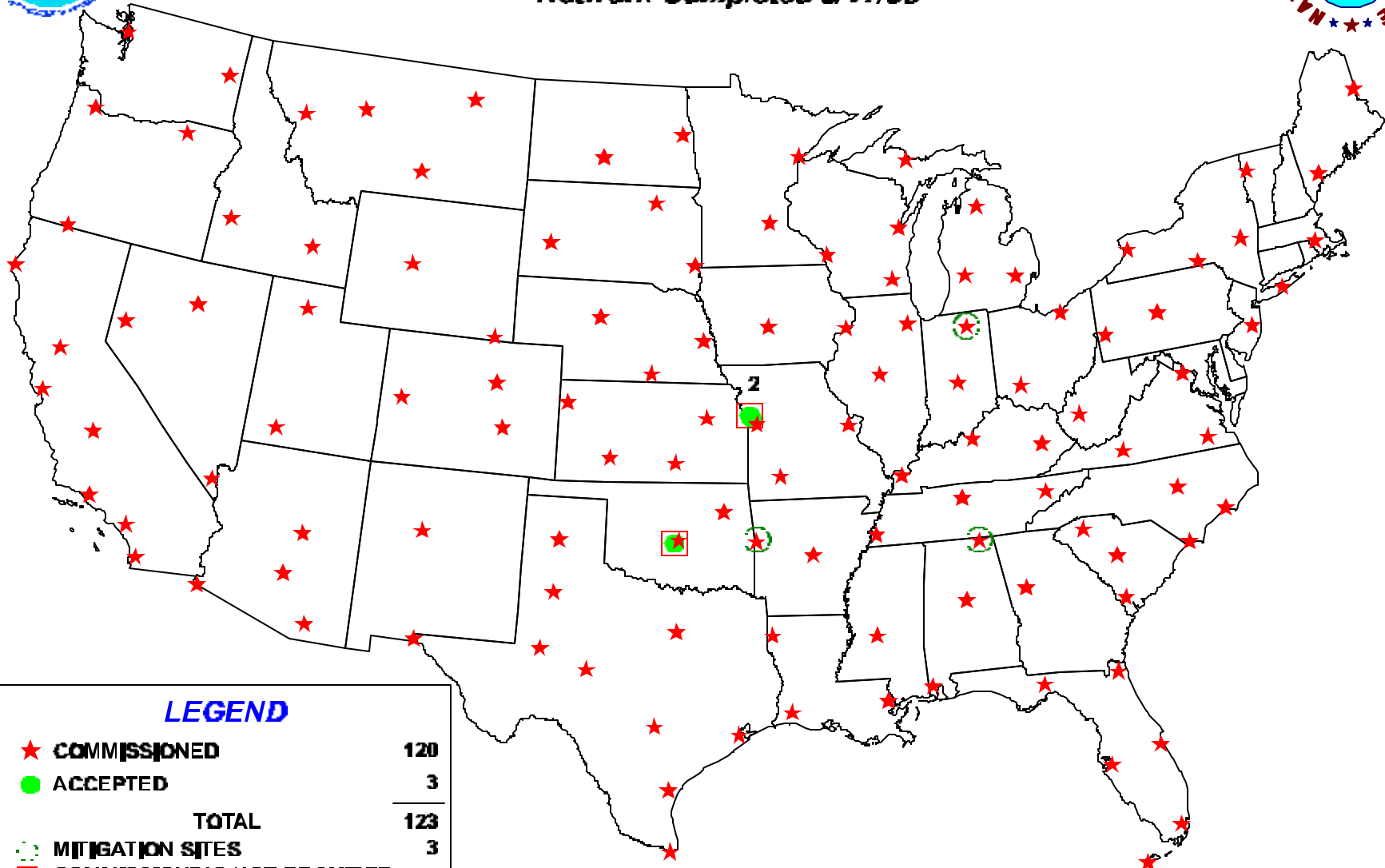
- P Provide a national information database for
 - < Government agencies
 - < Private sector
 - < Public
 - < Global community





NWS NEXRAD Status

Network Completed 3/17/98



LEGEND

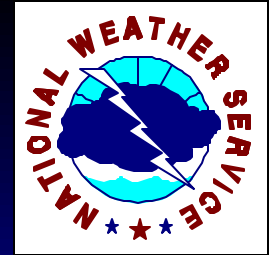
★	COMMISSIONED	120
●	ACCEPTED	3
TOTAL		123
○	MITIGATION SITES	3
□	COMMISSIONING NOT REQUIRED	3



\$39 million yearly
operation and
maintenance costs
for network =
\$65,000 per TV
station



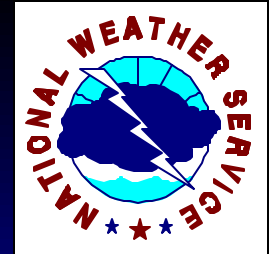
NWS and Our Broadcast Partners



Today—Unique Partnership



- P** Base data and forecast products at low cost
- P** U.S. private weather services industry is thriving (27% growth)
- P** Multiple sources of weather information and radar data are available to the public



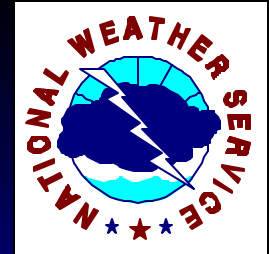
Beyond NIDS:

Future Dissemination of WSR-88D Data

- P Extend NIDS agreement until September 1999
- P Transition to “full and open” access to all WSR-88D data
- P Exploring methods to achieve collection of radar data for public access
- P Greater data availability and opportunities to add value

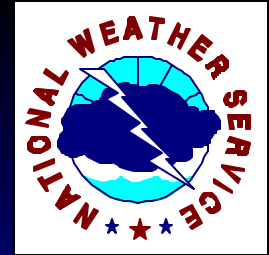


NWS Year 2000 (Y2K) Readiness



- P** Integrated end-to-end tests performed on mission-critical data systems with our partners
- P** Documentation on the web at:
<http://www.oso1.x3.nws.noaa.gov/y2k>
- P** Results provide high confidence level in our ability to deliver critical products and services into the new millennium





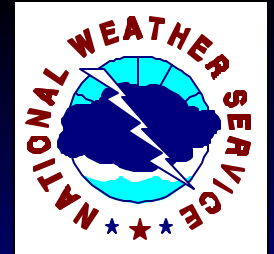
NWS Vision



P America's no surprise weather service

P A world-class team of professionals who:

- < Produce and deliver quality forecasts you can trust when you need them most
- < Use cutting-edge techniques
- < Provide services in a cost-effective manner
- < Strive to eliminate weather-related fatalities and improve the economic value of weather information



NWS Focus through 2005

P Stronger partnerships



P Suite of weather, water, and climate products and services at all time scales

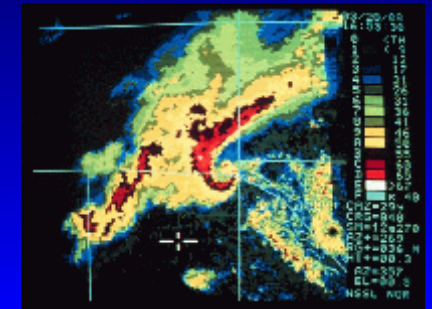
P Assure products are relevant, accurate, and timely



Vision 2005 Goals

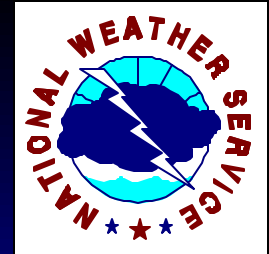
1. Deliver better products and services

- < Increase the accuracy and timeliness of NWS warnings
 - Hurricanes: better evacuation decisions
- < Improve hydrologic forecasts
 - Deploy the Advanced Hydrologic Prediction System (AHPS)





Advanced Hydrologic Prediction System

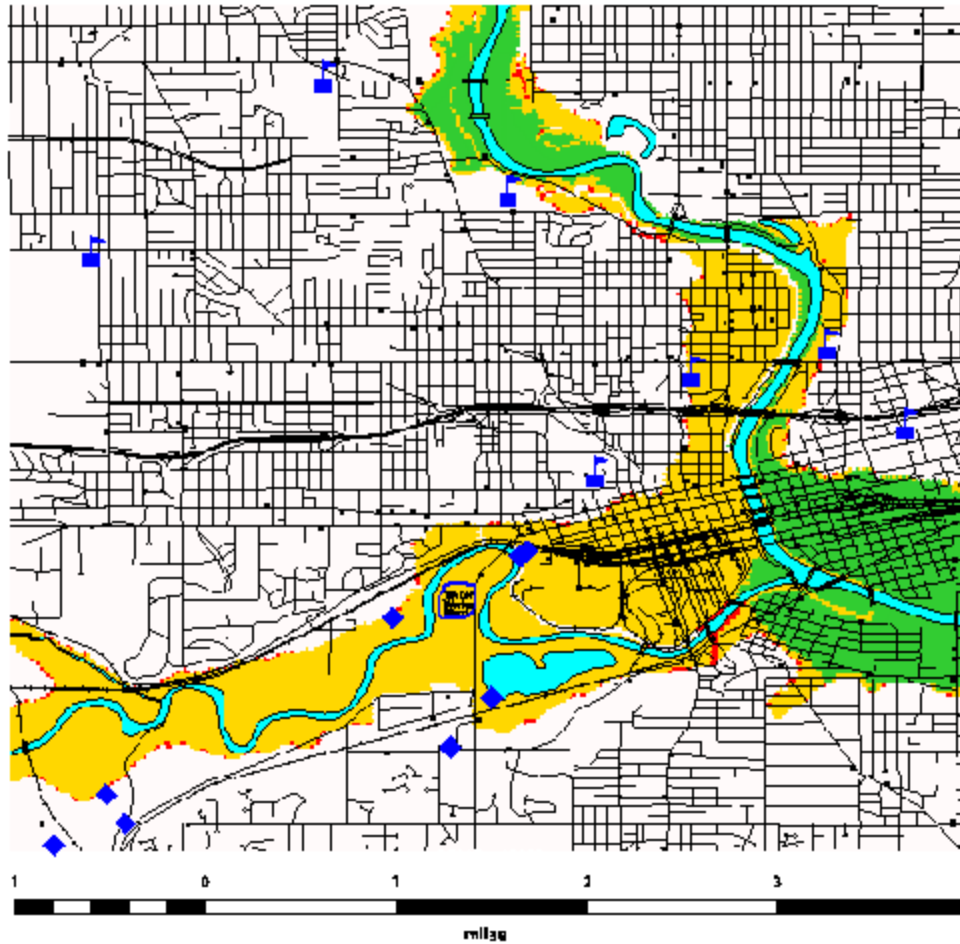


- P River forecasts with lead times days to months
- P Flood probability forecasts
- P Inundation maps
- P Part of NDRI

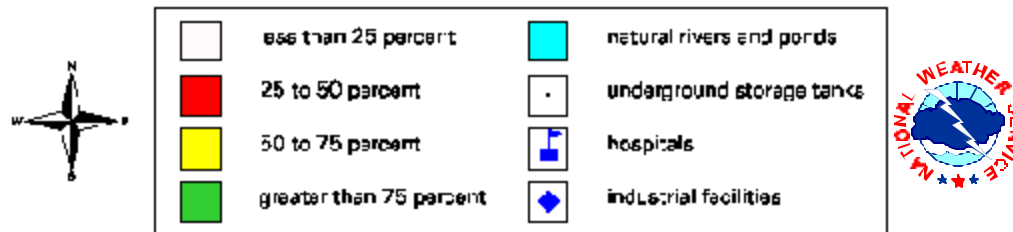


AHPS Flood-Forecast

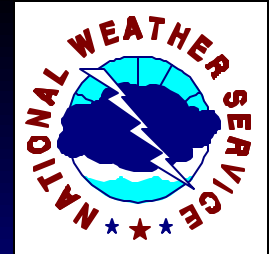
Hypothetical Event



Probability of Flooding for next 28 days



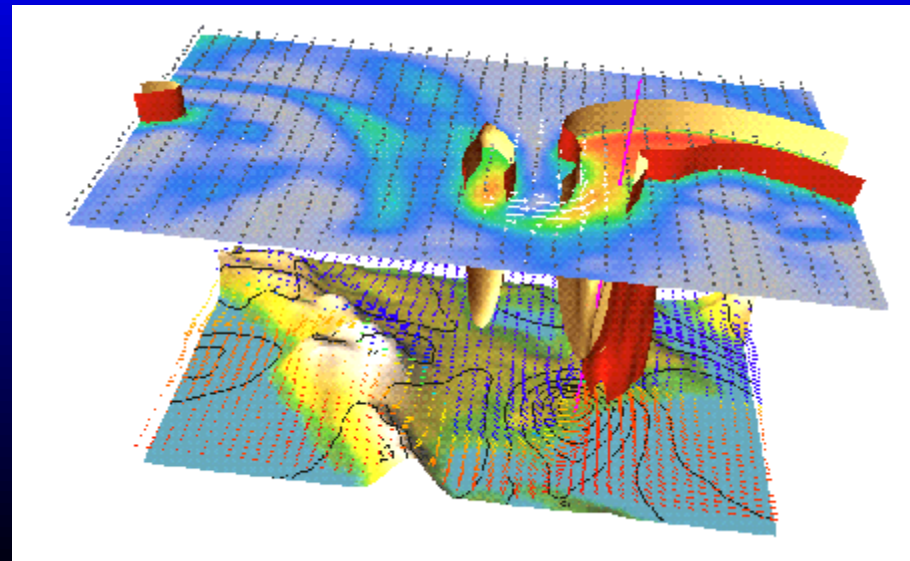
National Operational Hydrologic Remote Sensing Center

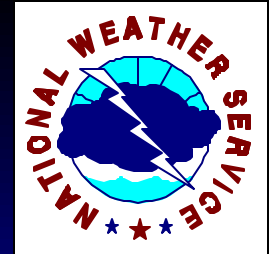


Vision 2005 Goals

2. Capitalize on Scientific and Technological Advances

- < Prepare and disseminate NWS products in a form that offers high resolution and maximum flexibility to customers and partners
- < Improve understanding and prediction of long-term climate variability



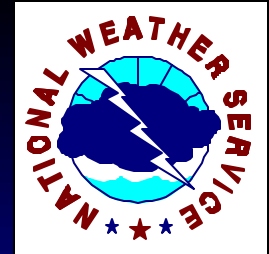


Vision 2005 Goals

3. Exercise global leadership

- < Promote open exchange of data and information worldwide (WMO Resolution 40)
- < IABM has observer status at WMO—an important responsibility
- < Broadcasters can build public constituencies for weather services





Vision 2005 Goals

4. Change the NWS Organizational Structure

- < Create an organizational culture which
 - Embraces change
 - Values service
 - Promotes teamwork
 - Fosters innovation



5. Manage NWS Resources

- < Create a responsive support system which maximizes return on investment to America



Partnership Opportunities For Outreach to Viewers

P Project Storm Ready

< Implement local hazardous weather action plans



P National Disaster Education Coalition

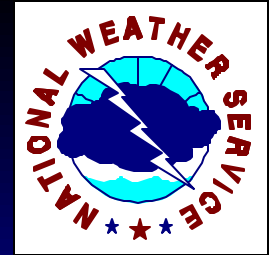
< Distribute guide on disaster safety information

P NOAA Weather Radio

< Increase warning effectiveness to schools, day care centers, hospitals, and public facilities



Where do WE go from here?



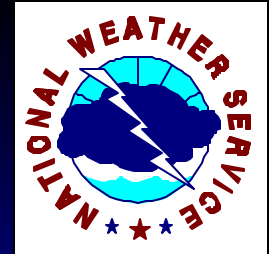
P Strengthen partnership to improve service to the public

P Communicate frequently

P Understand each other's requirements and limitations

- < Provide attribution of data source
- < Educate citizens





What do WE want to be in 2005?



**A world-class partnership delivering
“no surprise” weather services to the
Nation**