Water information for a stronger and safer America

The National Weather Service (NWS) is responsible for providing our Nation's flood warnings and water resource forecasts. These warnings and forecasts are critical to public safety and the economy. The NWS is improving these warnings and forecasts with Advanced Hydrologic Prediction Services (AHPS).

National implementation of the Advanced Hydrologic Prediction Services (AHPS) will save lives and an estimated $200 million per year in flood losses, and and will contribute an additional $400 million per year in economic benefits to water resource users.

AHPS Helps the General Public

AHPS provides the public with more river forecast information such as:

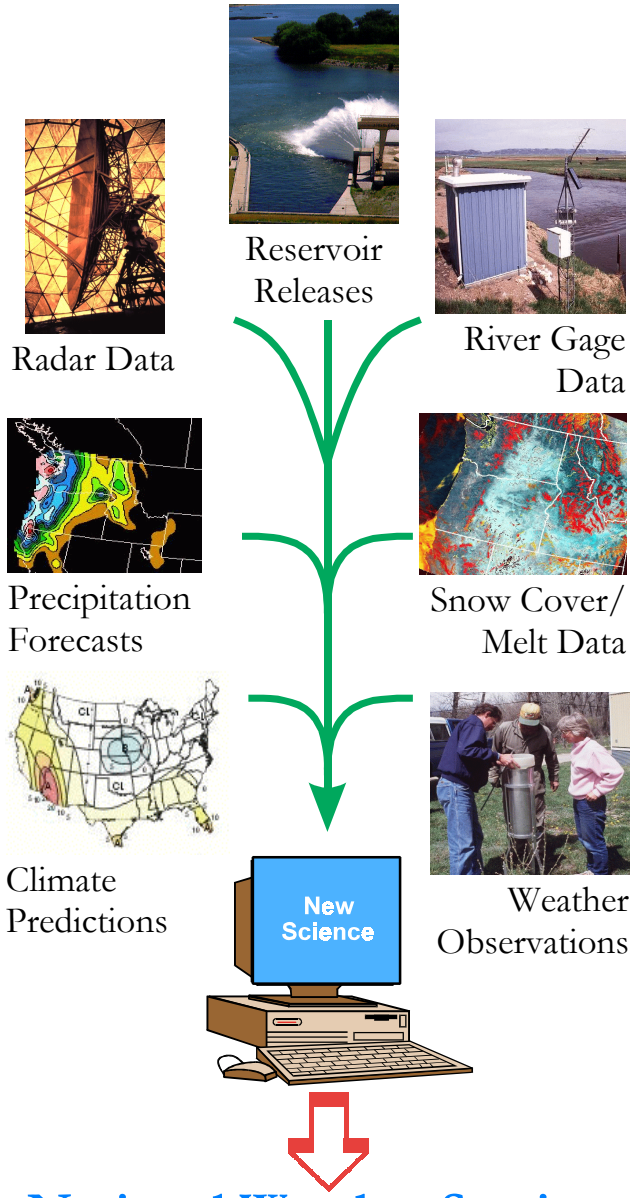
- how high the river will rise
- when the river will reach its peak
- where property will be flooded
- how long flooding will continue
- how long a drought will last

AHPS Helps Water Managers and City Officials

AHPS provides better information to water managers and city officials, helping them to make decisions such as:

- when and where to evacuate people from potential flood areas, thus saving more lives;
- when to move goods and industrial property from flooded areas, thus contributing to economic savings;
- how to utilize reservoir storage capacity to reduce flood impacts on people and businesses;
- when to reinforce levees and at what level, to help reduce damage to areas nearby

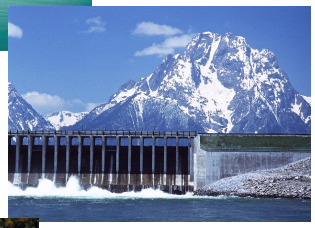
In an average year, more than 130 people are killed by flooding and flash flooding.



National Weather Service Advanced Hydrologic Prediction Services (AHPS)

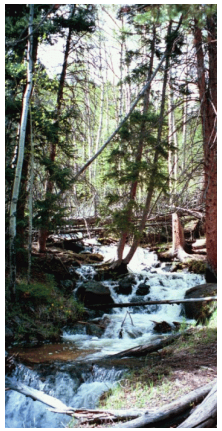
National Weather Service AHPS Customers

River Commerce



Hydropower

Emergency Response



Environment

Recreation

Farms

National Weather Service:
The Foundation of America's Weather Services

The National Weather Service is America's no surprise weather service, 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.

More information on Advanced Hydrologic Prediction Services is available at the National Weather Service AHPS website:

http://www.nws.noaa.gov/oh/ahps

or by writing to:

AHPS Program Office
Office of Hydrologic Development
National Weather Service, NOAA
1325 East-West Highway
Silver Spring, Maryland 20910

Water Predictions for Life Decisions

Advanced Hydrologic Prediction Services (AHPS)

AHPS provide forecasts of river levels and river flow volumes from an hour to a season for areas large and small. With advance knowledge, communities can minimize flooding impacts. This community contained their floodwaters with sandbags and built a temporary bridge.