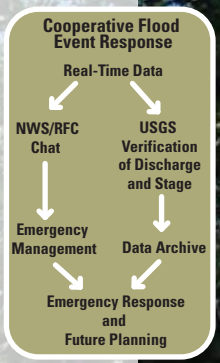
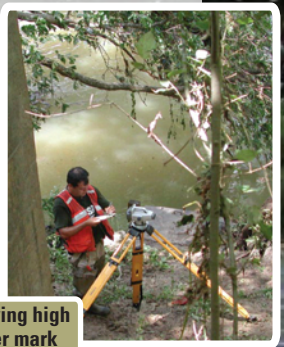
USGS
science for a changing world

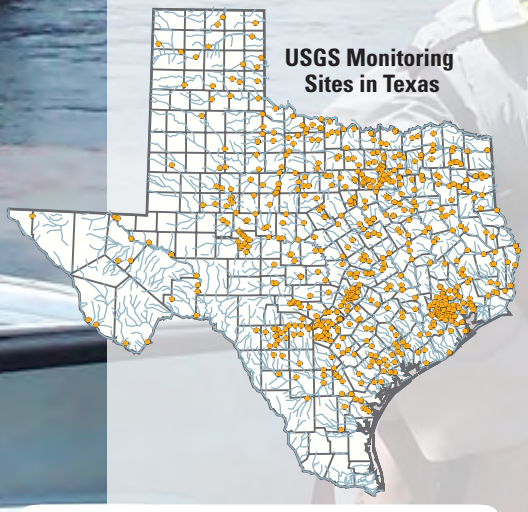
Flood Response

- Acoustic Discharge Measurements
- Flood Frequency Estimation
- Flood Warning Networks
- Flow Duration Analysis
- Geographic Information System (GIS) Applications
- Precipitation Data
- Real-Time Stream Data
- Hurricane Storm Surge and Temporary Real-Time Gage Options
- Post Flood Surveying of High-Water Marks for Indirect Measurements of Peak Discharge
- Cooperative efforts with the NWS/RFC* to Coordinate Real-Time Conditions for Emergency Response Officials

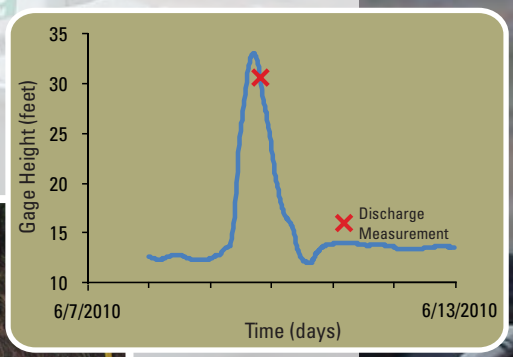
Measuring high water mark




Surveying high water mark



Flood event



Acoustic discharge measurement

Flood event

Staff Gage

MISSION: To provide reliable, impartial, timely information that is needed to understand the Nation's water resources.

The Water Resources Discipline actively promotes the use of this information by decision makers to

- Minimize the loss of life and property as a result of water-related natural hazards, such as floods, droughts, and land movement
- Effectively manage groundwater and surface-water resources for domestic, agriculture, commercial, industrial, recreational, and ecological uses
- Protect and enhance water resources for human health, aquatic health, and environmental quality
- Contribute to wise physical and economic development of the Nation's resources for the benefit of present and future generations

* NWS/RFC: National Weather Service/River Forecast Center

U.S. Department of the Interior
U.S. Geological Survey

August 2011

The U.S. Geological Survey (USGS) Texas Water Science Center works in cooperation with approximately 100 municipalities, river authorities, groundwater districts, and State and Federal agencies in Texas to provide reliable, impartial scientific information to resource managers, planners, and other customers. This information is gathered by the USGS Texas Water Science Center to minimize the loss of life and property from natural disasters, to contribute to the conservation and sound economic and physical development of the Nation's natural resources, and to enhance the quality of life by monitoring water, biological, energy, and mineral resources.

If you have any questions or concerns with which we can assist you, contact us or visit our Web site at **http://tx.usgs.gov** or the national Web site at **http://www.usgs.gov**. We look forward to serving you in the near future.

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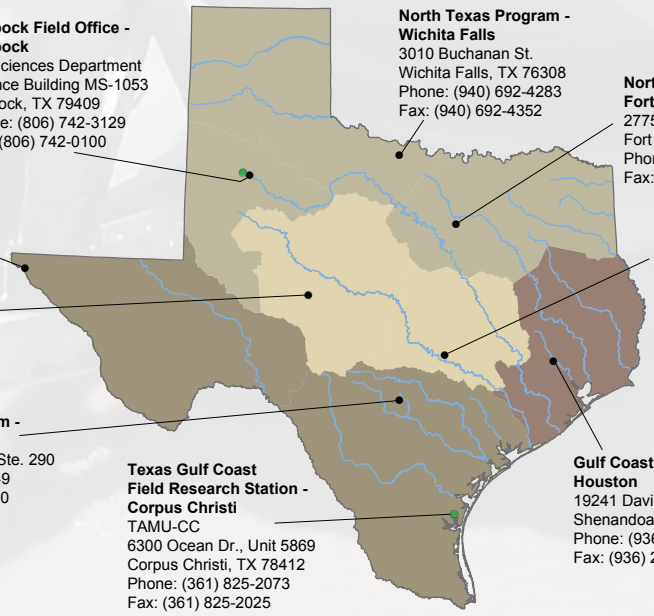
Texas Water Science Center Locations