



2013 Spring Flooding

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May 2, 2013

NWS Operational Infrastructure

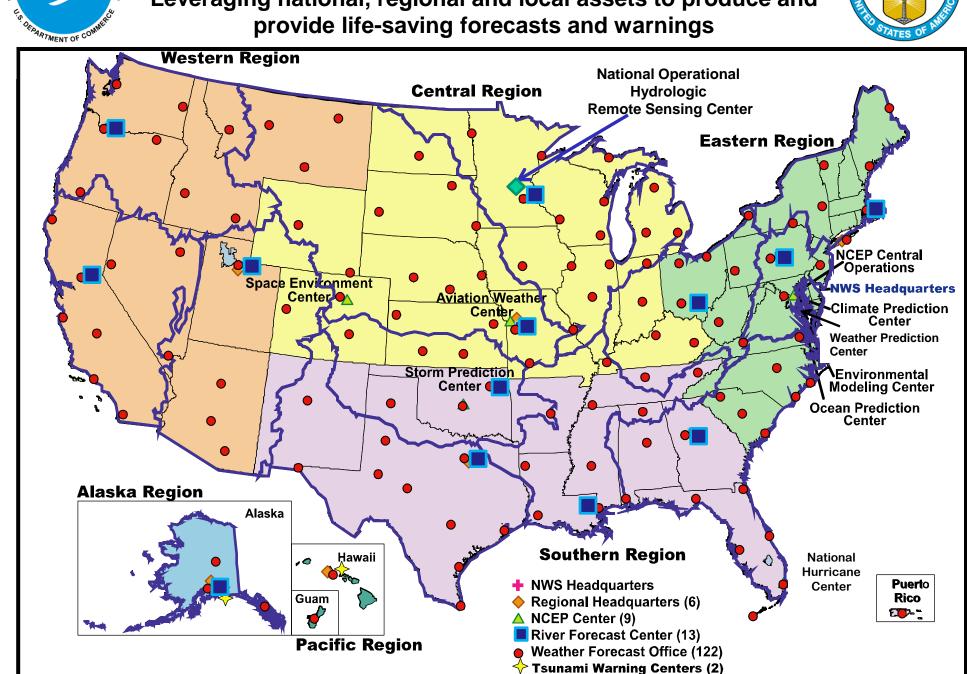
AND ATMOSPHE

NDAA

NATIONAL

Leveraging national, regional and local assets to produce and provide life-saving forecasts and warnings

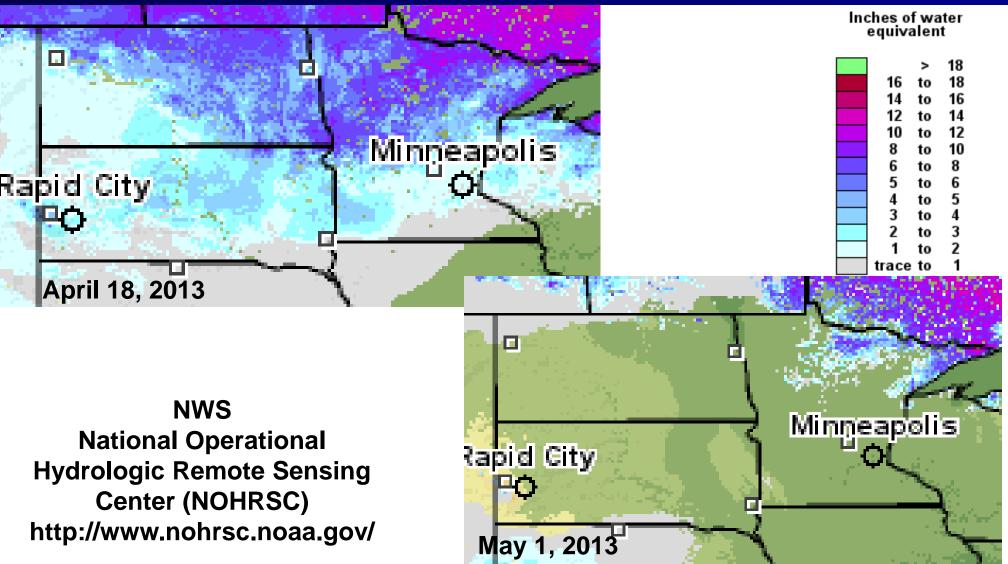








5-8 inches of water content in the snow pack across Minnesota, North Dakota and South Dakota released in less than two weeks

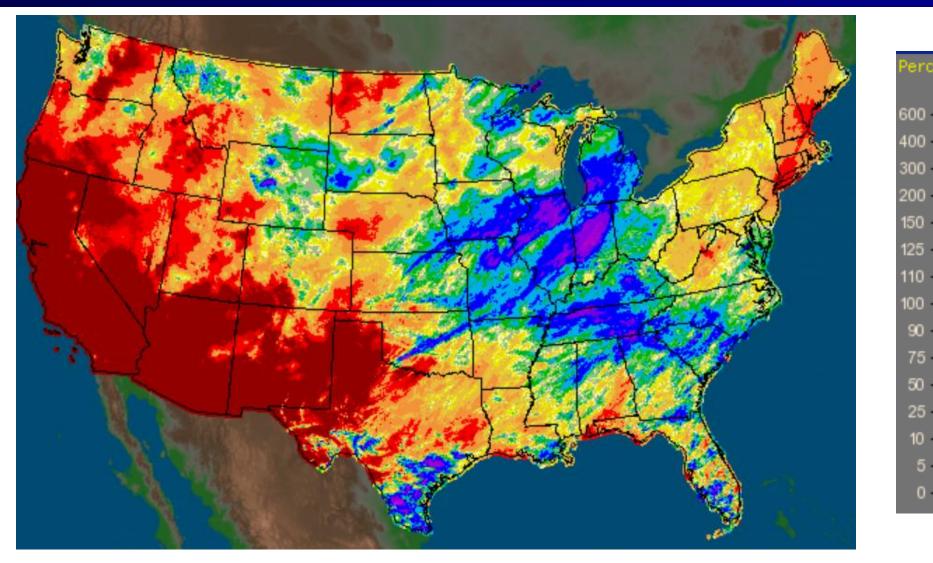




Percent of Normal Precipitation last 14 days



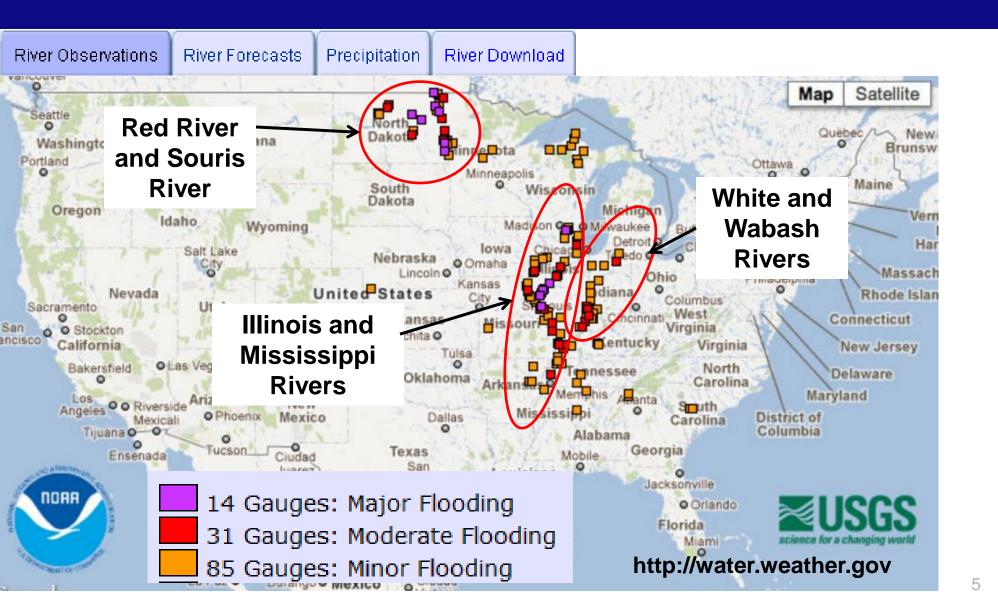
In the past two weeks a large area of above normal precipitation across the Midwest





River Observations Current Conditions - May 2

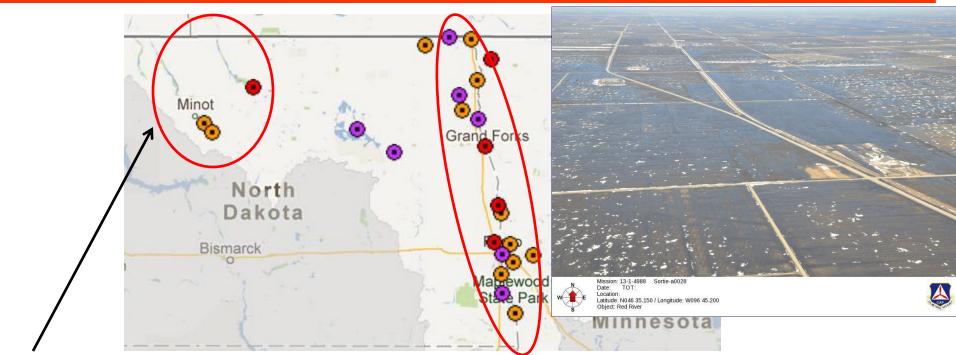






Souris River and Red River of the North





Souris River

- Flood warnings in effect through the Souris basin for overland and river flooding
- Increasing inflow to reservoirs, but sufficient flood control capacity remains

Red River of the North

- Flood warnings along entire Red River
- River crested at Fargo May 1st at 33.3 feet
- River crested at Grand Forks May 1st at 40.9 feet



Red River of the North and Souris River Federal Partner Collaborations



- Began bi-weekly coordination in February 2013 with Federal, Tribal, State, and Local officials (including Canadians).
- Snowpack and river conditions continually monitored with collaboration and coordination between NWS, USACE, USGS, FEMA, Saskatchewan Water Security Agency, Manitoba Ministry of Infrastructure and Transportation, and Environment Canada.
- Due to the historic nature of this Spring's late melt situation, the NWS used modified modeling techniques, in collaboration with USGS and USACE, to ensure the best information possible.
- Embedded Emergency Response Specialists to provide interpretive decision support services during the melt for FEMA, State and local Emergency Operation Centers.

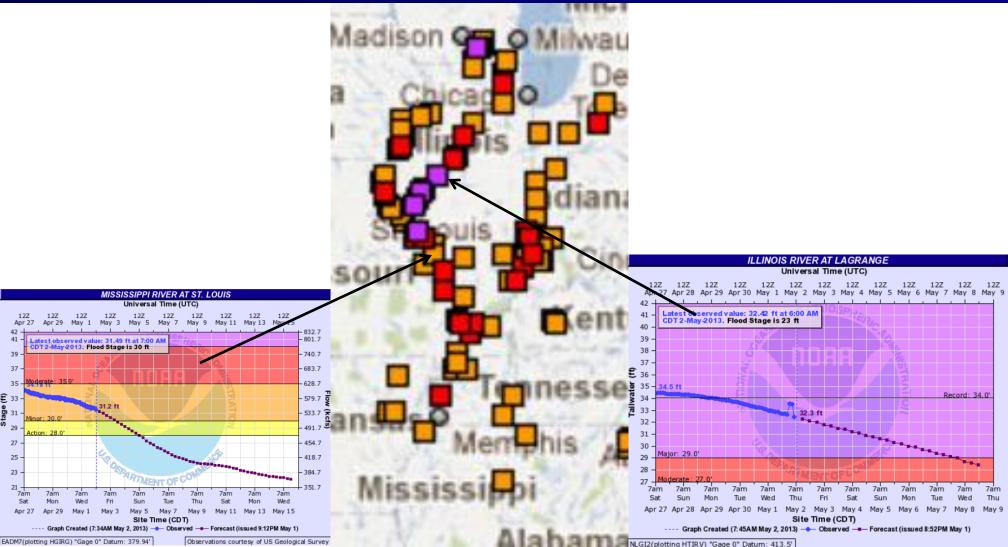
Decision support services foundational for building a **Weather-Ready Nation**



Midwest River Floods



Major to record flooding along Illinois, Des Plaines, White, and Wabash Rivers. Major flooding along Mississippi. All rivers currently receding.





Midwest Flooding Impacts

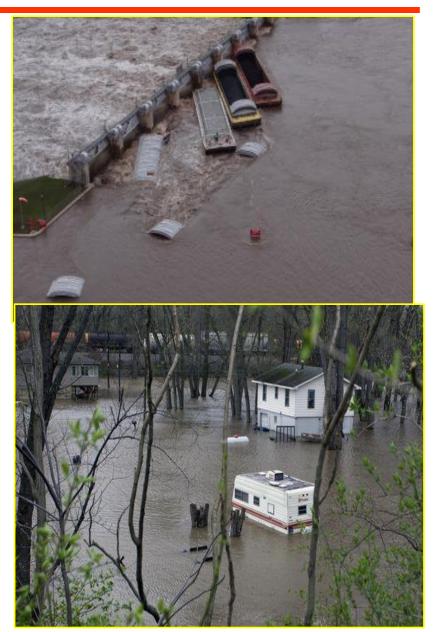


Mississippi and Illinois Rivers

- Record crest on Illinois River at Peoria with significant flooding
- Rivers temporarily closed to navigation
- 114 barges broke loose Saturday 4/20; 9 sank
- Illinois governor declared disaster for 44 counties
- Several gates of Miss. River's Marseilles Dam damaged by barges.

Wabash River – Indiana

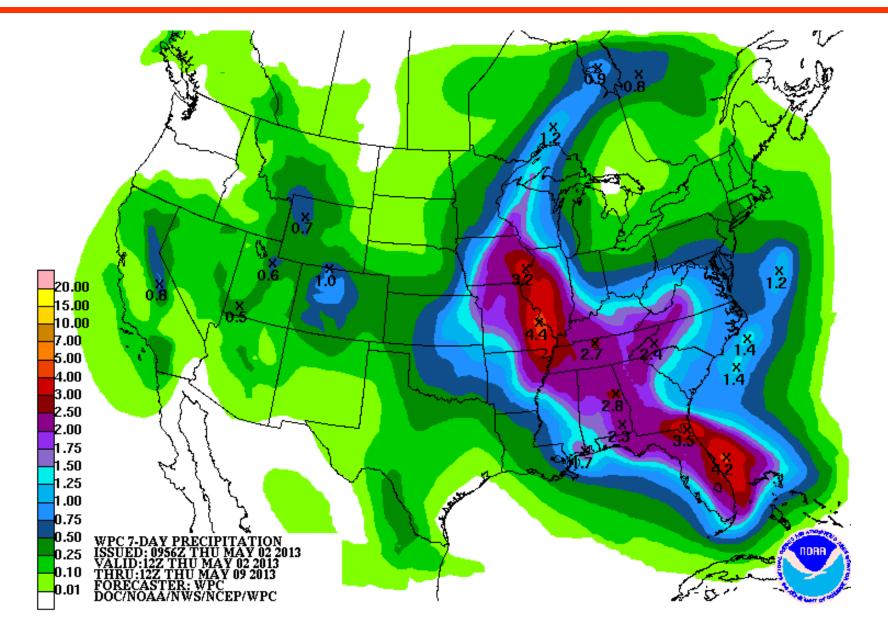
- Several levees overtopped in a 40 mile stretch
- Levee failure in Vigo County has isolated trailer parks and 20 homes near Terre Haute.
- Many farmlands are flooded.





7 day Precipitation Forecast May 2 – May 9







River Forecasts



