

Advanced Hydrologic Prediction Service (AHPS) Website

Phase VII Enhancements

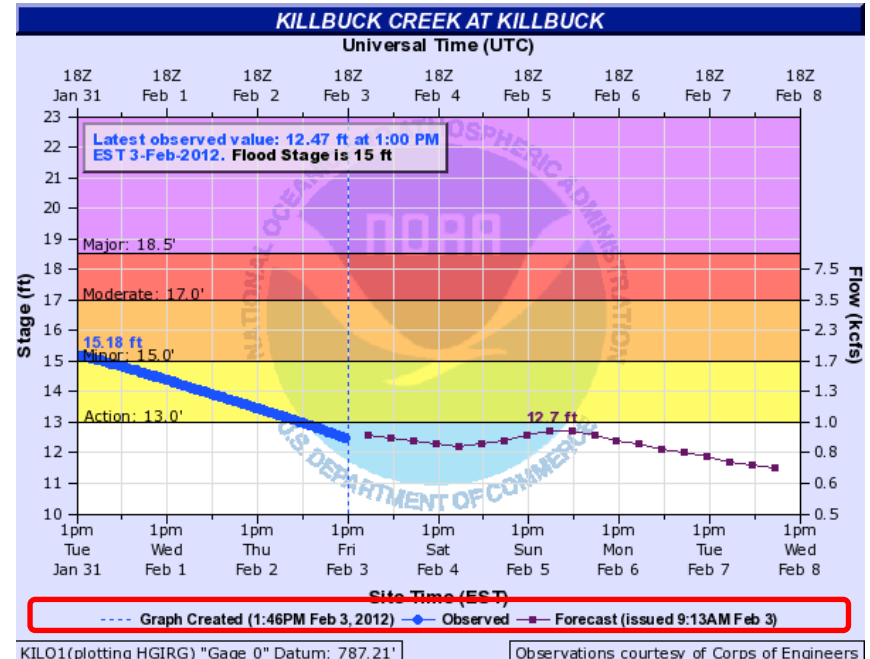
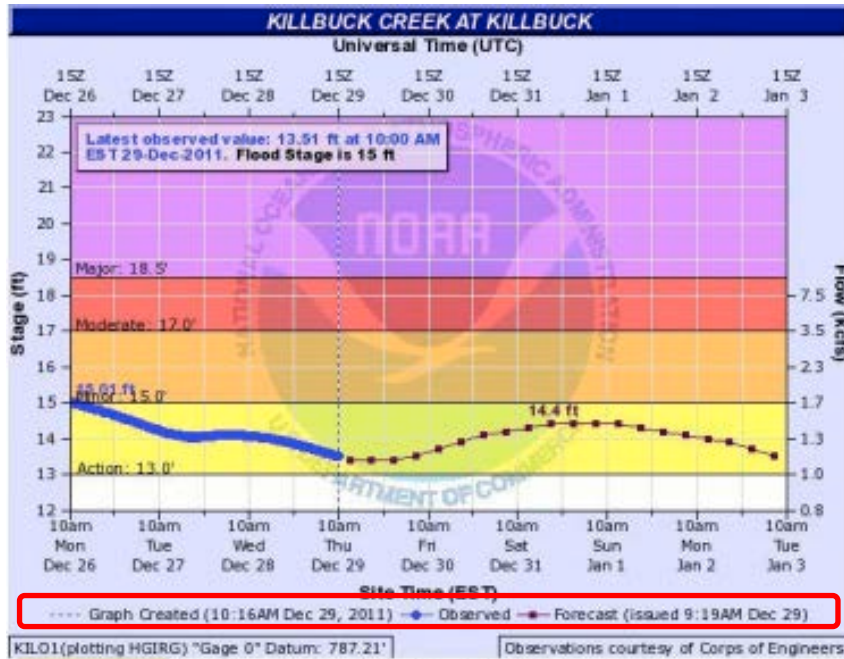
There are 10 enhancements in Phase VII.

- First 7 have already been implemented.
- Last 3 enhancements will be available on or before February 29, 2012.

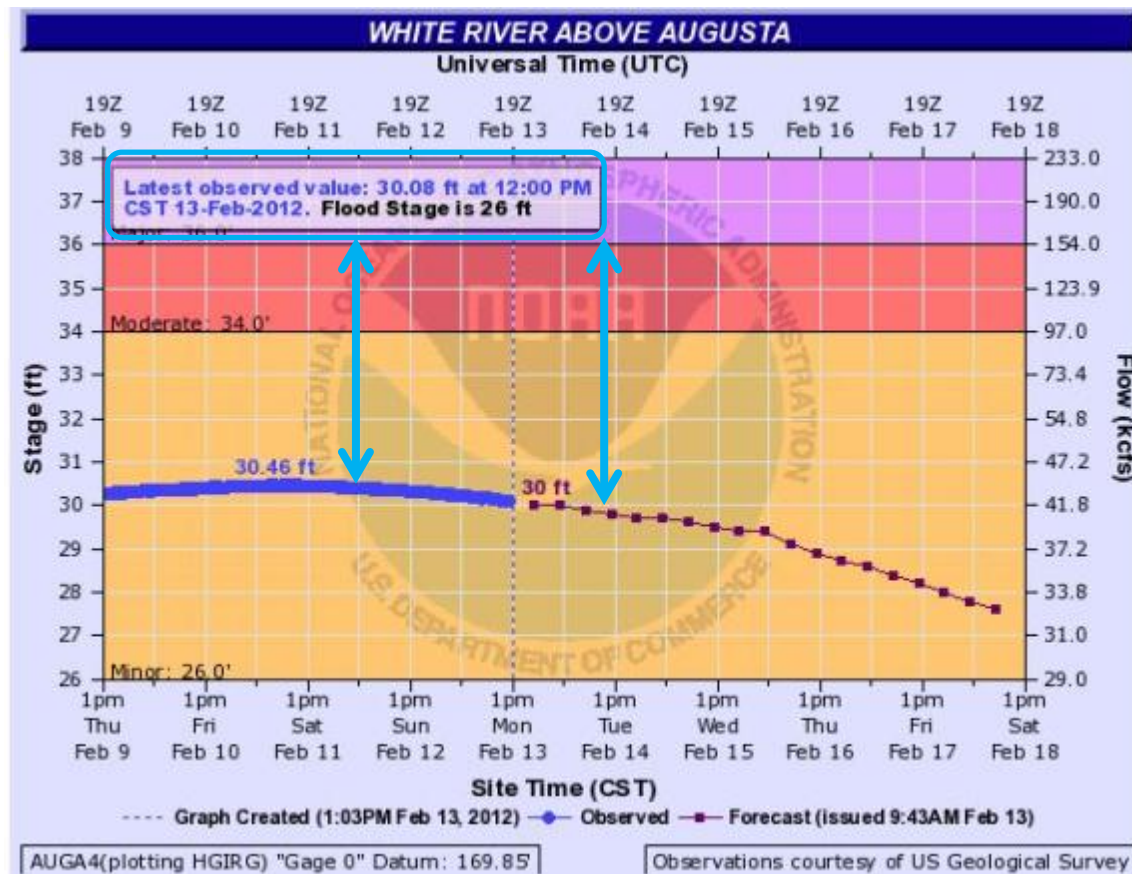
Forecast issuance time on hydrographs is shown in bold font.

Before

After



The text box in the upper left corner of display no longer overwrites the observed/forecast hydrograph or crest label.



USGS site number is provided in the NWS RSS feeds/xml files, if applicable.

Information obtained from <http://waterdata.usgs.gov/mi>

04174500

HURON RIVER AT ANN ARBOR, MI

02/03 13:45 EST 13.68 1,080 400

NWS RSS feed

```
Observation Time: Feb 3, 2012 01:45 PM EST&#x3C;br /&#x3E;
&#x3C;br /&#x3E;AHPS Hydrologic Service Area Homepage:&#x3C;br /&#x3E;
&#x3C;a href=&#x27;http://water.weather.gov/ahps2/index.php?wfo=dtx&#x27;&#x3E;http://water.weather.gov/ahps2/index.php?wfo=dtx&#x3C;/a&#x3E;
&#x3C;br /&#x3E;&#x3C;br /&#x3E;U.S. Geological Survey (USGS) Data and Site Info for Ann Arbor:&#x3C;br /&#x3E;
&#x3C;a href=&#x27;http://water.usgs.gov/mi/nwis/uv/?site_no=04174500&#x27;&#x3E;USGS ID: 04174500&#x3C;/a&#x3E;
</description>
```

Up to two notes can be shown below a hydrograph.

[AHPS](#)
[NWS Region](#)
[NWS WFO](#)
[CMS Admin](#)

Options:

FGF - Edit Gauge DCBN8

WFO:

River Name:

Proximity:

Location Name:

State:

RSS Location:

Adjacent State: For RSS selection and display.

Time Zone:

RFC:

Action (NRLDB):

Flood (NRLDB):

Moderate (NRLDB):

Major (NRLDB):

Flood Category Type: (in feet)

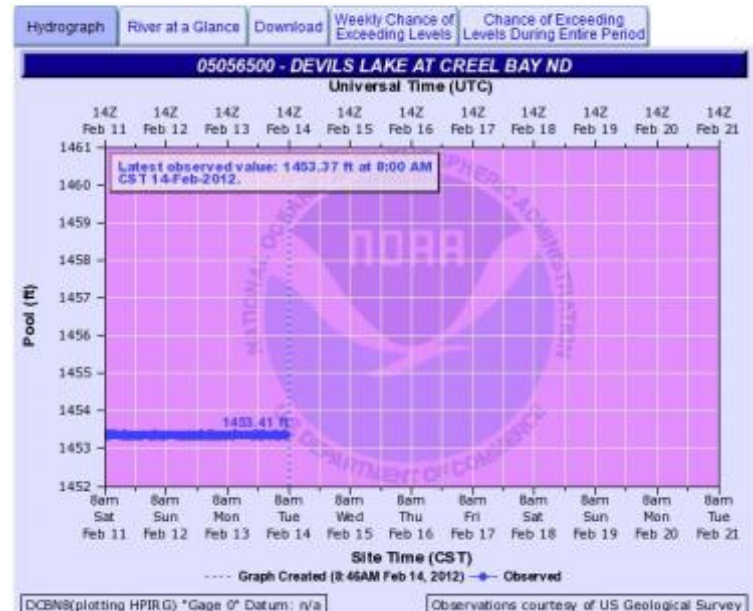
Low Water Threshold:

Hydrograph Disclaimer/Message 01:

Hydrograph Disclaimer/Message 02:

Over 300 real-time observations used to support river forecasts are at risk across the country. Refer to the USGS's Nationwide List of Threatened Streamgages for additional information.

Weather Forecast Office Eastern North Dakota/Grand Forks, ND North Central River Forecast Center



Printable Image About this graph Tabular Data XML RSE Datum: NGVD28 Metadata

NOTE:
For more information, visit Devils Lake Decision Support Services.

NOTE: Gauge reading may be affected by ice.

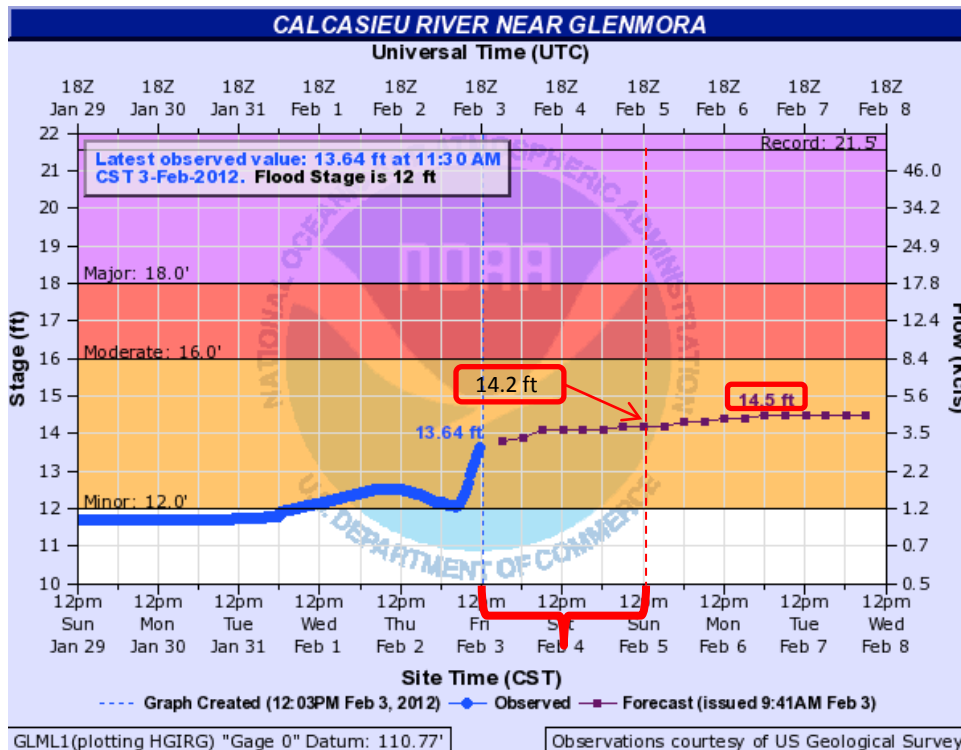
Reliability of the Forecast: Forecast data shown here are guidance values only. Please refer to your local NWS office.

NOTE: Forecasts for the Devils Lake at 05056500 Devils Lake at Creel Bay are issued routinely during the warm season, and as needed at other times of the year.

Vertical datum height surveyed by the USGS

Default Hydrograph

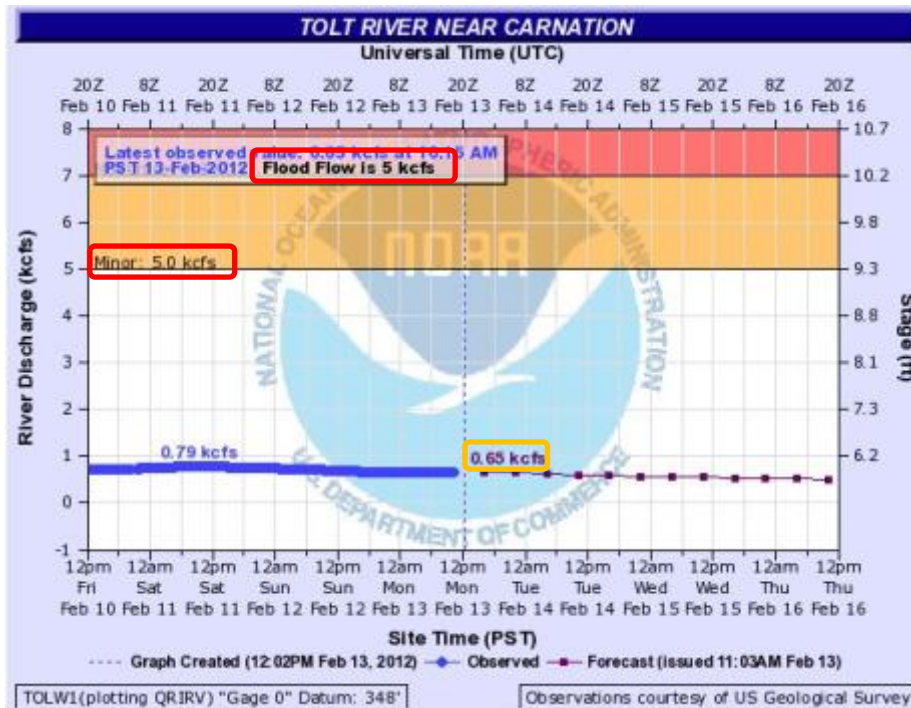
RSS feeds include the highest forecast value from the entire available forecast duration – not just the highest forecast value in the first 48 hours.



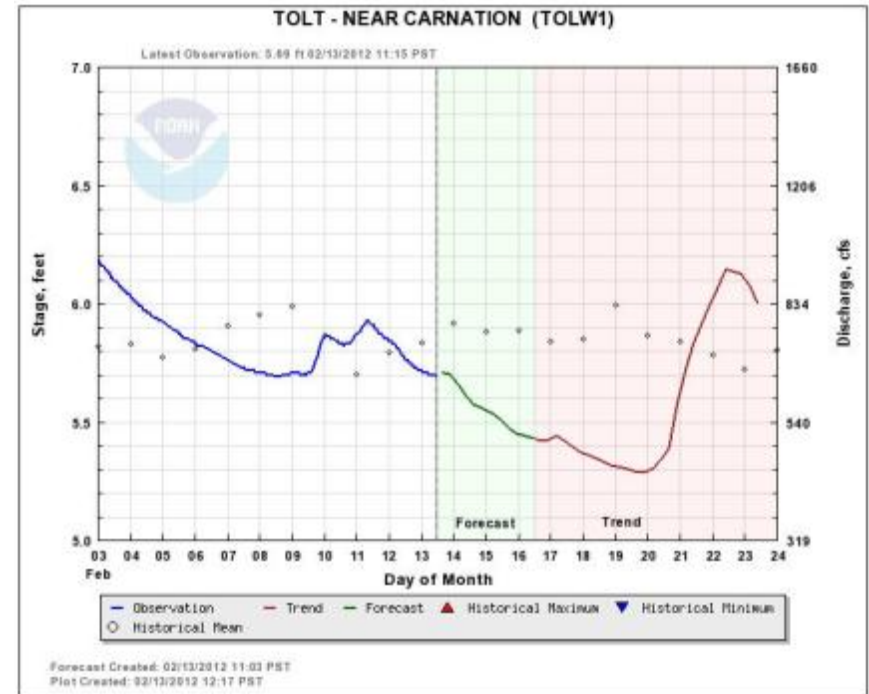
Latest Observation: 13.64 ft
 Observation Time: Feb 3, 2012 11:30 AM CST
 Highest Forecast Available: 14.5 ft
 Highest Forecast Time: Feb 8, 2012 06:00 AM CST
 Furthest Projected Forecast Available: 14.5 ft
 Furthest Projected Forecast Time: Feb 8, 2012 06:00 AM CST

RSS feeds display flow and flood flow when the primary data is flow.

WFO Observed and Forecast Hydrograph

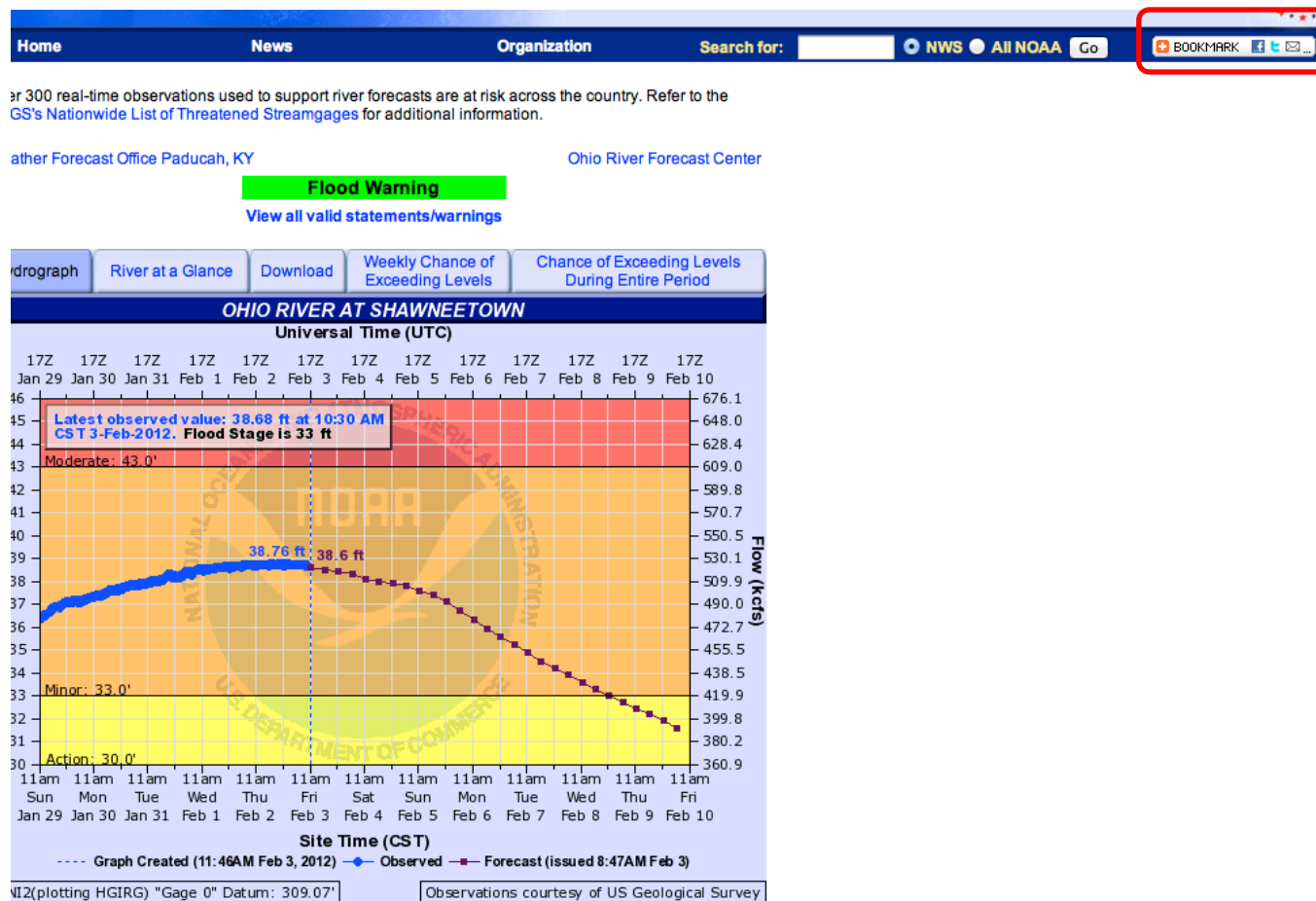


RFC Observed and Forecast Hydrograph



```
<title>Forecast - TOLW1 - Tolt River near Carnation (Washington)</title>  
<link>http://water.weather.gov/ahps2/hydrograph.php?wfo=sew&x26;gage=tolw1&x26;rdsDate=1329156900</link>  
<description>Flood Flow: 5 kcfs &#x3C;br /&#x3E;  
&#x3C;br /&#x3E;Latest Observation: 0.648 kcfs&#x3C;br /&#x3E;  
Observation Time: Feb 13, 2012 10:15 AM PST&#x3C;br /&#x3E;  
&#x3C;br /&#x3E;Highest Forecast Available: 0.933 kcfs&#x3C;br /&#x3E;  
Highest Forecast Time: Feb 22, 2012 10:00 AM PST&#x3C;br /&#x3E;  
&#x3C;br /&#x3E;Furthest Projected Forecast Available: 0.839 kcfs&#x3C;br /&#x3E;  
Furthest Projected Forecast Time: Feb 23, 2012 10:00 AM PST&#x3C;br /&#x3E;
```


Bookmark and Share feature appears on the location-specific hydrograph web page.





Observed precipitation shapefiles will include metadata fields for both valid date and date/time the file was created/updated.

River/stream locations that are color-coded according to their flood status will be plotted on Google Maps. Users will be able to zoom, pan, and view this information across different regions.

Local forecast by "City, ST"

City, ST Go

NWS RSS Feeds
Warnings
Current
By State/County...
UV Alerts
Observations
Radar
Satellite
Snow Cover
Surface Weather...
Observed Precip
Forecasts
Local
Graphical
Aviation
Marine
Hurricanes
Severe Weather
Fire Weather
Text Messages
By State
By Message Type
National

Forecast Models
Numerical Models
Statistical Models...
BOS Prod
GFS LAMP Prod
Climate
Past Weather
Predictions
Weather Safety
Weather Radio
Hazard Asmt...
StormReady /
TsunamiReady
Skywarn™

Education/Outreach
Information Center
Tsunamis
Publications...
Contact Us
FAQ
Comments...

USA.gov
Find us on Facebook
NWS on Facebook

Home > Water
Over 300 real-time observations used to support river forecasts are at risk across the country. Refer to the USGS's Nationwide List of Threatened Streamgages for additional information.

Warnings & Forecasts | Graphical Forecasts | National Maps | Radar | **Water** | Air Quality | Satellite | Climate

River Observations | River Forecasts | Precipitation | River Download | Other Information

All Locations

Print this map | Permalink | 00017988

Map | Satellite

Click on the map or select one of the data views below:

United States
NWS Weather Forecast Offices
NWS River Forecast Centers
Water Resources Regions

4978 total gauges
Show all locations in flood (11)

3 Gauges: Major Flooding
1 Gauge: Moderate Flooding
7 Gauges: Minor Flooding
21 Gauges: Near Flood Stage
4444 Gauges: No Flooding
493 Gauges: Observations older than 24 hours
9 Gauges: Out of Service

Show all locations

Last map update: 02/10/2012 at 06:38:12 per EST / 02/10/2012 23:38:12 UTC

Disclaimer

Hydrologic Resources
▶ River Forecast Centers
▶ About AHPs
▶ Partners
▶ AHPs Feedback
▶ AHPs RSS **RSS**
▶ Automated Flood Warning Systems
▶ Hydrometeorological Automated Data System
▶ Inundation Mapping Locations

Additional Resources
▶ National Significant River Flood Outlook
▶ U.S. Geological Survey Streamflow Information
▶ Snow Information
▶ NWS Precipitation and River Forecasting
▶ Water Resources Outlook
▶ Experimental Hourly Precipitation
▶ Guide to Hydrologic Information on the Web
▶ Precip Frequency/PMP

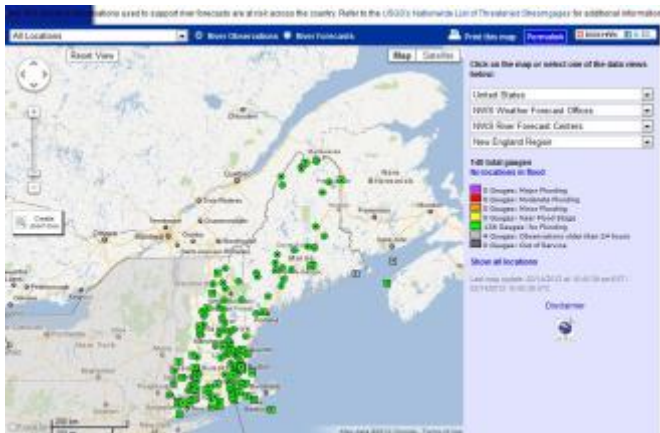
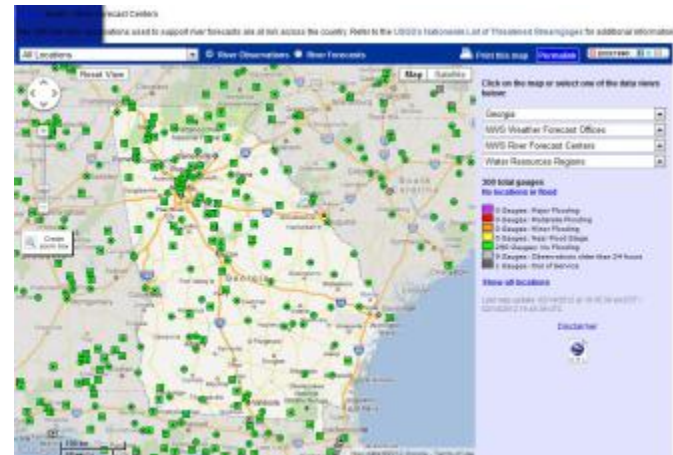
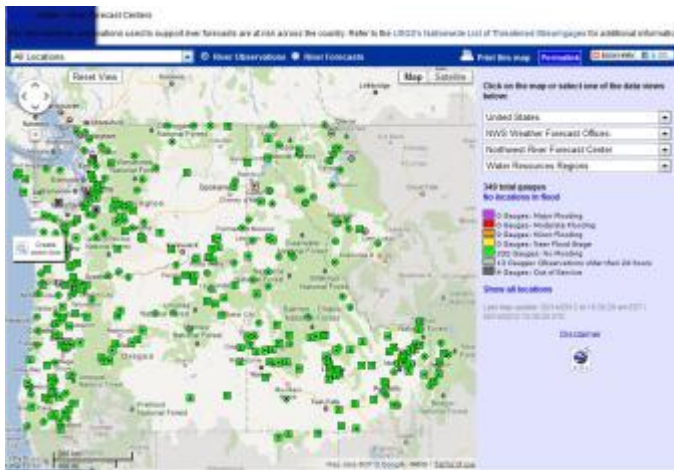
Alaska | Hawaii | Puerto Rico

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service

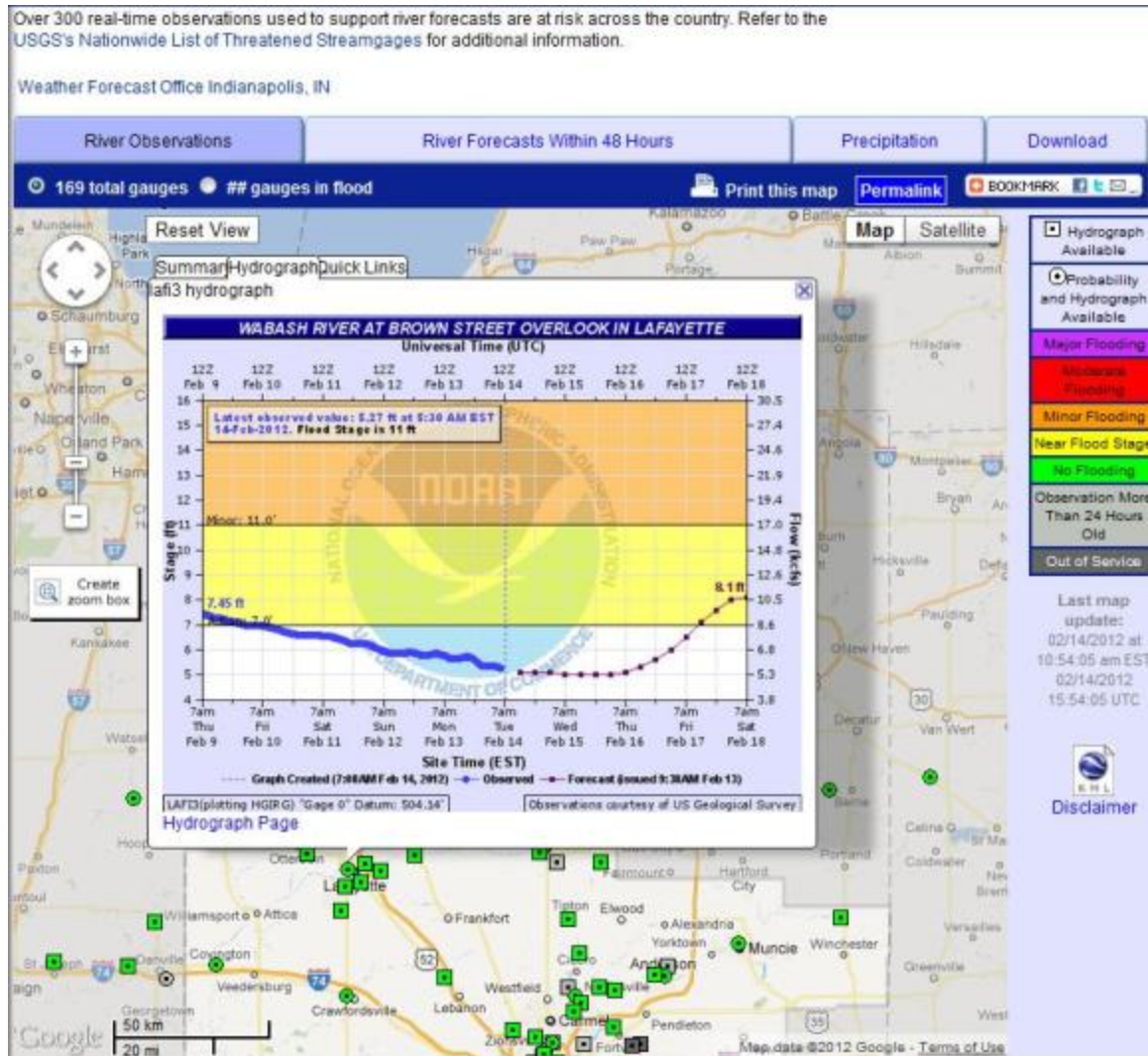
Disclaimer:
Information Quality
Credits

Privacy Policy
Freedom of Information Act (FOIA)
About Us

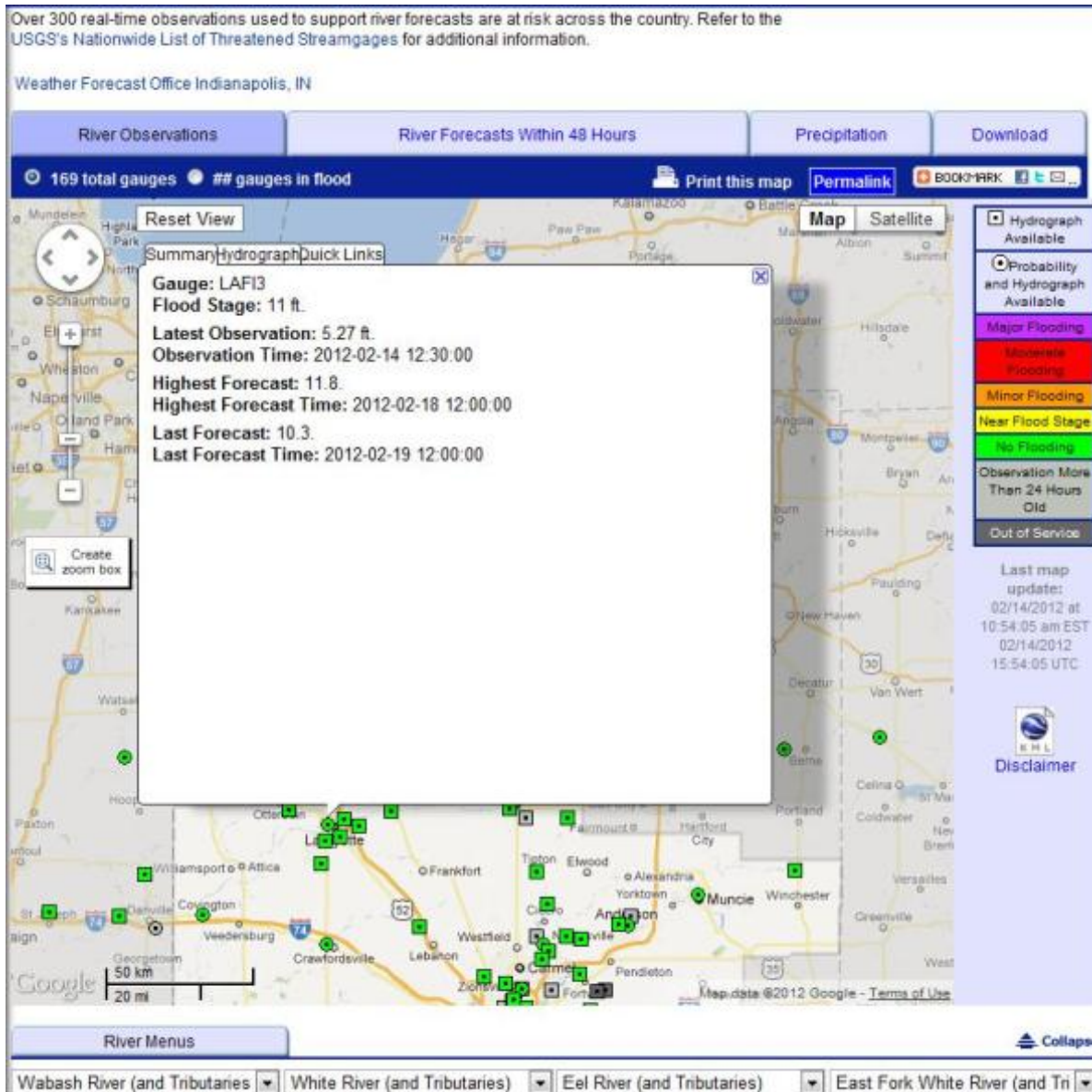
Regions will include RFC areas of responsibility, USGS water resources regions, states, and WFO HSAs.



3 tabs of information will be available after clicking on a location.



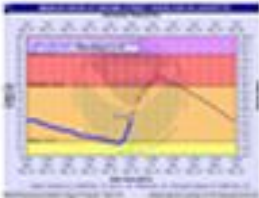


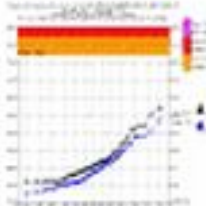

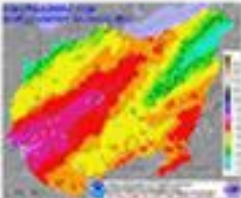
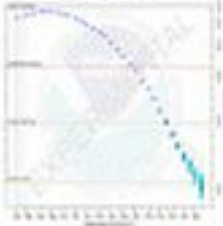

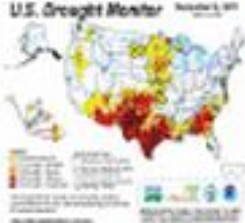

A summary will be available.



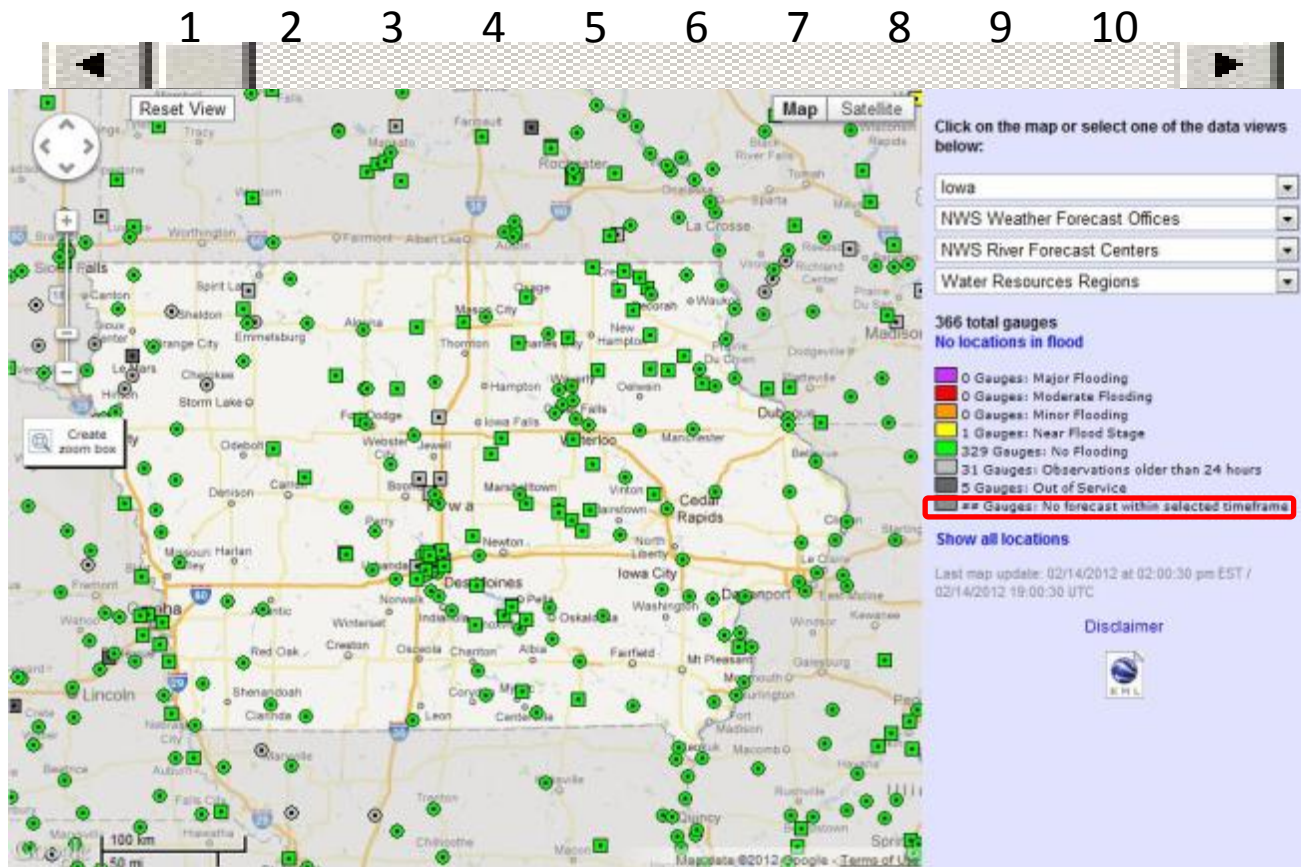
Quick links will be available.

Summary Hydrograph Quick Links

LAFI3 - Wabash River at Lafayette (Indiana) ✕

				
Hydrograph	Download	Flood Inundation Mapping	Exceedance Probability	Flood Impacts
				
Hydrology Self Briefing Page	Experimental Ensembles	Water Resources Map	Drought	Low Water Impacts

Region-specific web pages will now have a slider bar that allows one to display flood status according to the maximum level forecasted within 1 to 10 days. Availability of information will depend on forecast duration provided by the RFCs.



Summary

- 7 of the 10 enhancements included in Phase VII have already been implemented.
- 3 additional enhancements will be available by February 29, 2012.
- Service Change Notice 12-06 was disseminated on February 10, 2012, notifying users of the new features included in Phase VII.
- A headline that links users to this presentation will be posted to water.weather.gov no later than February 29, 2012.