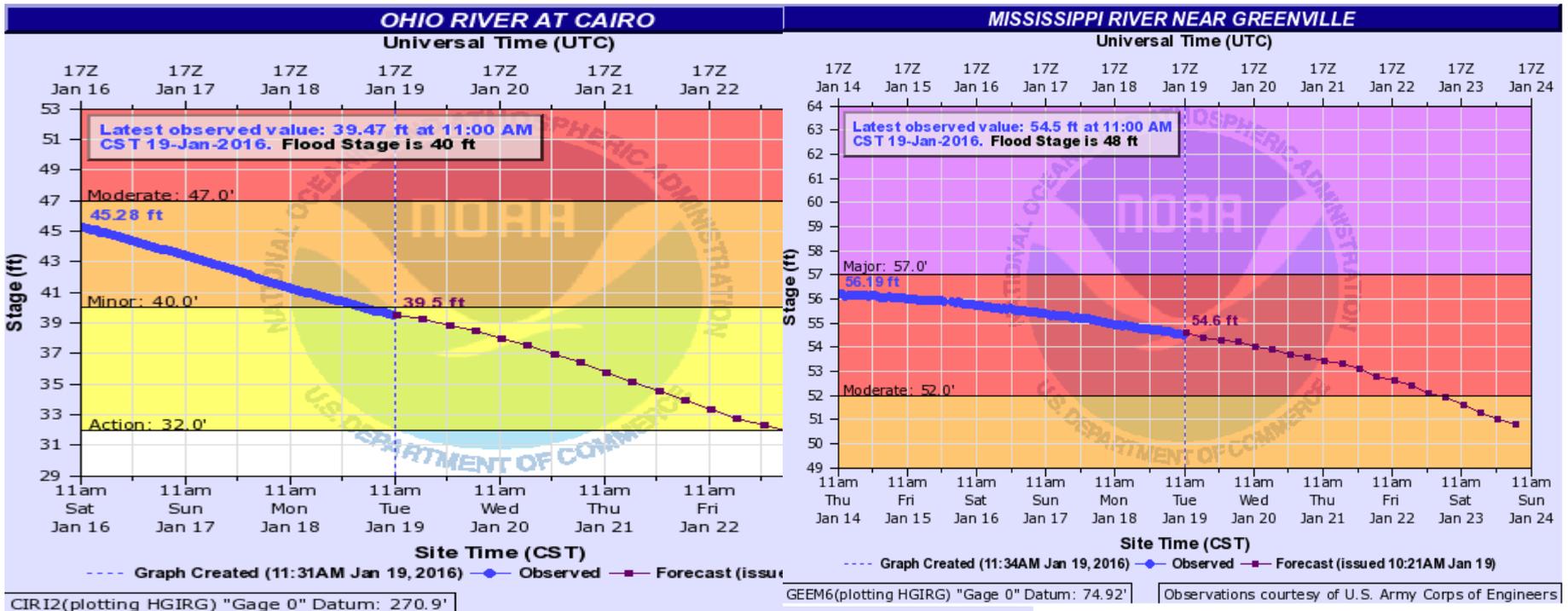


January 19, 2016 Talking Points- Mississippi River Forecasts (Page 1 of 6)

The Ohio and Middle Mississippi Rivers have crested and continue to fall.



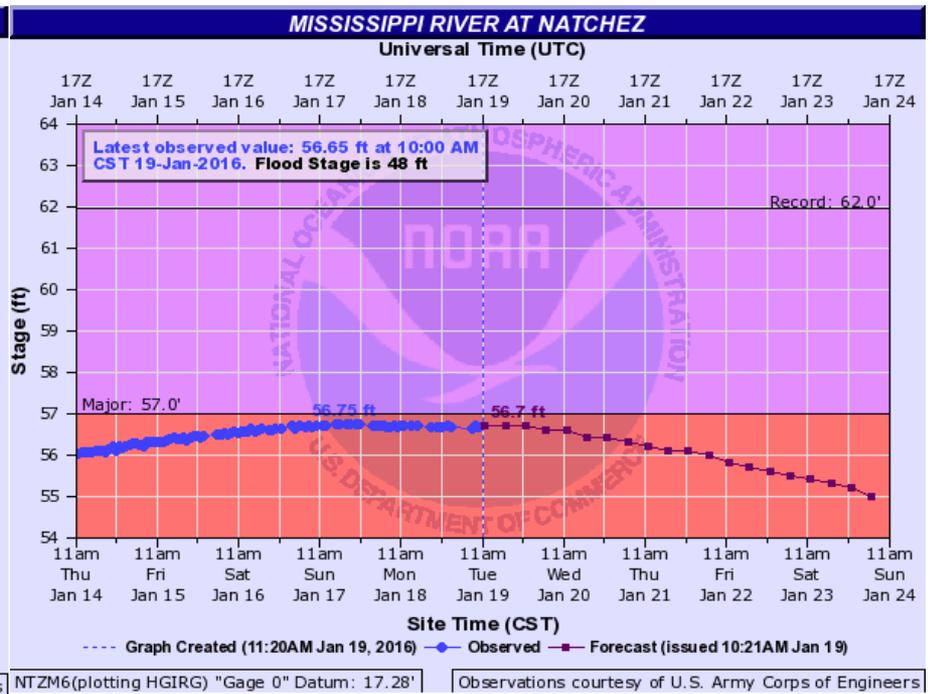
Cairo, IL has fallen over 16 feet in the past two weeks

Greenville, MS has fallen 1.5 feet in the past six days



January 19, 2016 Talking Points- Mississippi River Forecasts (Page 2 of 6)

The Mississippi River has crested at Vicksburg, MS and continues to crest at Natchez, MS.



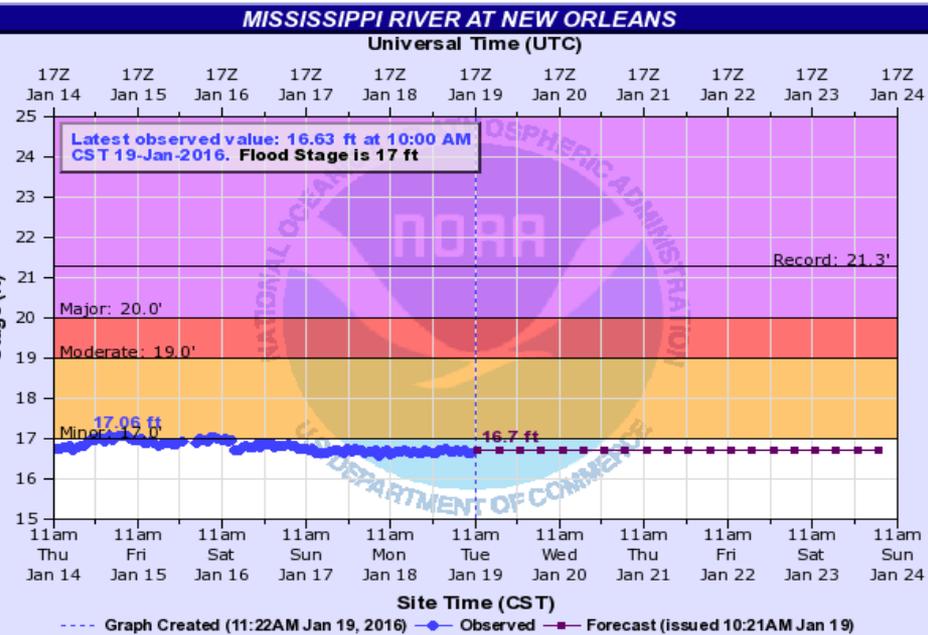
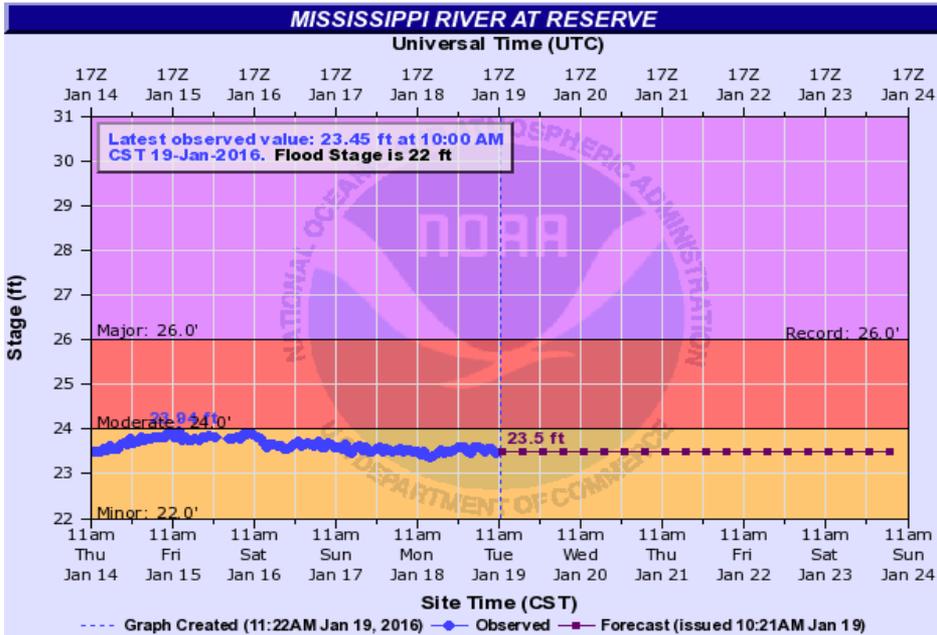
January 19, 2016 Talking Points- Mississippi River Forecasts (Page 3 of 6)

The Mississippi River is cresting at River Landing, LA and Baton Rouge, LA.



January 19, 2016 Talking Points- Mississippi River Forecasts (Page 4 of 6)

The Mississippi River at Reserve and New Orleans are cresting under 24 and 17 feet, respectively, due to operation of Bonnet Carre Spillway.



RRVL1(plotting HGIRG) "Gage 0" Datum: 0'

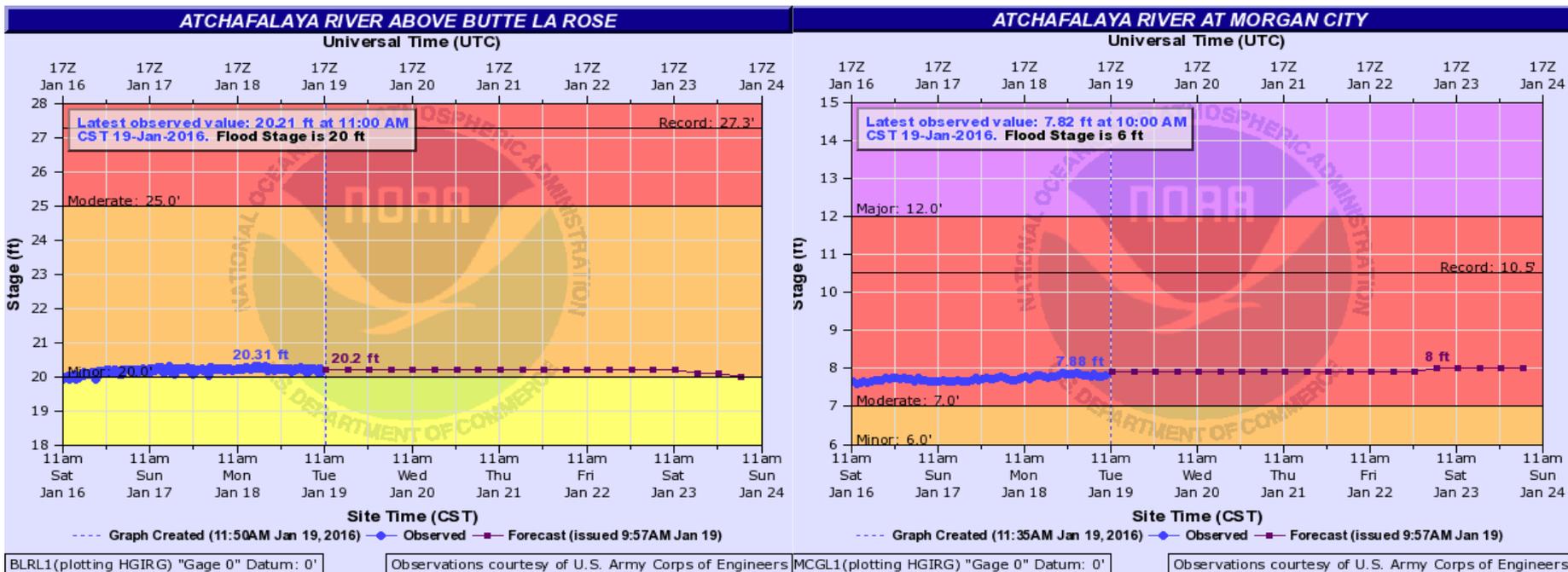
Observations courtesy of U.S. Army Corps of Engineers

NORL1(plotting HGIRG) "Gage 0" Datum: 0'



January 19, 2016 Talking Points- Mississippi River Forecasts (Page 5 of 6)

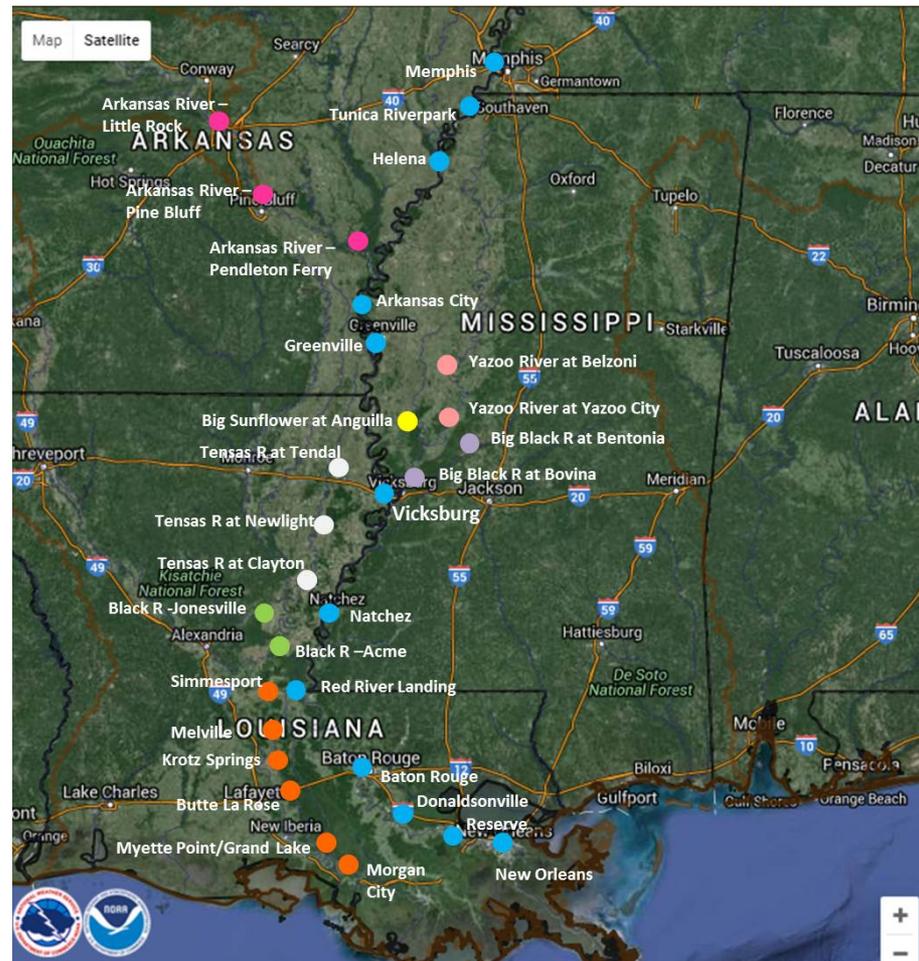
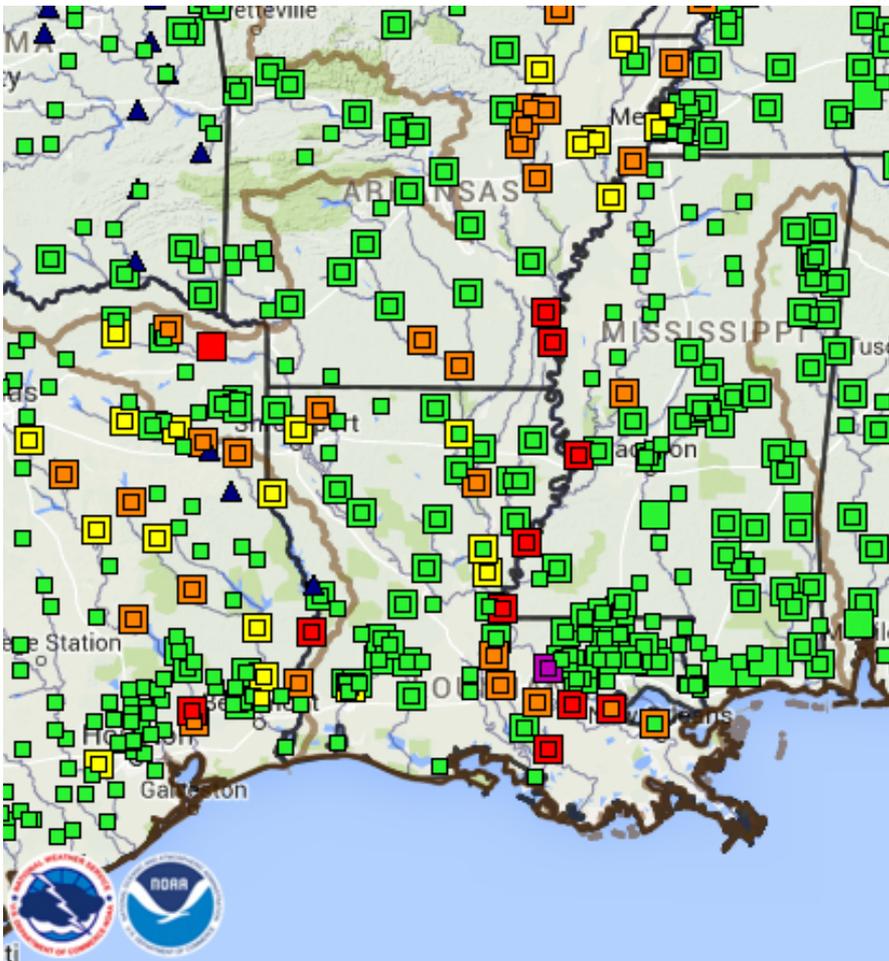
The Atchafalaya River at Butte La Rose is cresting now and Morgan City should crest in the next few days.



January 19, 2016 Talking Points- Mississippi River Forecasts (Page 6 of 6)

- **The Mississippi River is cresting from Natchez, MS through New Orleans, LA.**
- **The Atchafalaya River is cresting from Simmesport, LA through Butte La Rose, LA. The forecast crest should reach Morgan City, LA in the next few days.**
- **The USACE continues to operate Bonnet Carre Spillway to divert Mississippi River water along the spillway to Lake Pontchartrain. This will maintain the crest levels for Reserve and New Orleans.**
- **The USACE Lakes and Rivers Division (LRD) continues to make releases from Kentucky and Barkley reservoirs to recover storage in each of the reservoirs while maintaining recessions on the Lower Ohio River. Storage should be recovered this week.**

Mississippi Mainstem and Atchafalaya Forecast for Jan 19, 2016



NWS AHPS Status Map of Jan 19 River Level and Predicted Crest Height. Colors represent flood categories

LMRFC Forecasts For Mainstem of Mississippi and Lower Ohio Issued The Morning Of Jan 19, 2016

(Forecast Collaboration and Coordination provided by USACE Water Management)

Name	FS	Mod	Maj	Flood of Record	Date	2011		Dec 2015 – Jan 2016 *Preliminary		Forecast Midday Jan 19, 2016			10A Jan 19 Status
						Crest	Date	Crest	Date	9A Stage	Crest	Date	
Cape Girardeau	32	37	42	48.49	08/08/93	46.3	3-May	48.86	01/02	29.10			Below minor flood stage and falling through the week
Cairo	40	47	53	61.72	05/02/11	61.7	2-May	56.14	01/04	39.64			Below minor flood stage and falling through the week
New Madrid	34	40	44	48.35	05/06/11	48.4	6-May	43.00	01/04	29.96			Below minor flood stage and falling through the week
Tiptonville	37	45	47	48.35	05/05/11	48.4	5-May	44.06	01/05	32.74			Below minor flood stage and falling through the week
Caruthersville	32	41	43	47.61	05/07/11	47.6	7-May	42.66	01/05	31.53			Below minor flood stage and falling through the week
Osceola	28	31	35	50.90	02/07/1937	47.48	8-May	39.66	01/07	29.78			Remain above minor flood stage through Tuesday
Memphis	34	40	46	48.7	02/10/37	48	10-May	39.59	01/08	31.68			Below minor flood stage and falling through the week
Tunica	41	46	52	58.45	5/10/2011	58.45	10-May	51.12	01/09	44.89			Remain above minor flood stage through Thursday
Helena	44	50	55	60.2	02/12/37	56.6	12-May	48.04	01/09	43.17			Below minor flood stage and falling through the week
Arkansas City	37	40	44	59.2	04/21/27	53.1	16-May	44.32	01/13	42.48			Remain above moderate flood stage through Saturday
Greenville	48	52	57	65.4	04/21/27	64.2	16-May	56.24	01/13	54.57			Remain above moderate flood stage through Friday
Vicksburg	43	46	50	57.1	05/19/11	57.1	19-May	50.23	01/14	49.76			Remain above moderate flood stage through Monday
Natchez	48	51	57	61.95	05/19/11	62	19-May			56.69			Cresting
Red River Landing	48	55	64	63.4	05/18/11	63.4	18-May			60.57			Cresting
Baton Rouge	35	38	40	47.28	05/15/27	45	18-May			43.16			Cresting
Donaldsonville	27	30	34	36.01	05/15/27	32.5	18-May			31.15			Cresting
Reserve	22	24	26	26	06/11/29	24	18-May			23.56			Cresting
New Orleans	17	19	20	21.27	04/25/22	17.3	19-May			16.61			Cresting



Impacts for Mississippi River at Red River Landing From NWS Weather Forecast Office New Orleans Web Page (www.srh.noaa.gov/lix)

Red River Landing :

9A Jan 19 River Stage = 60.57 Feet

Jan 19 LMRFC Midday Forecast: Cresting

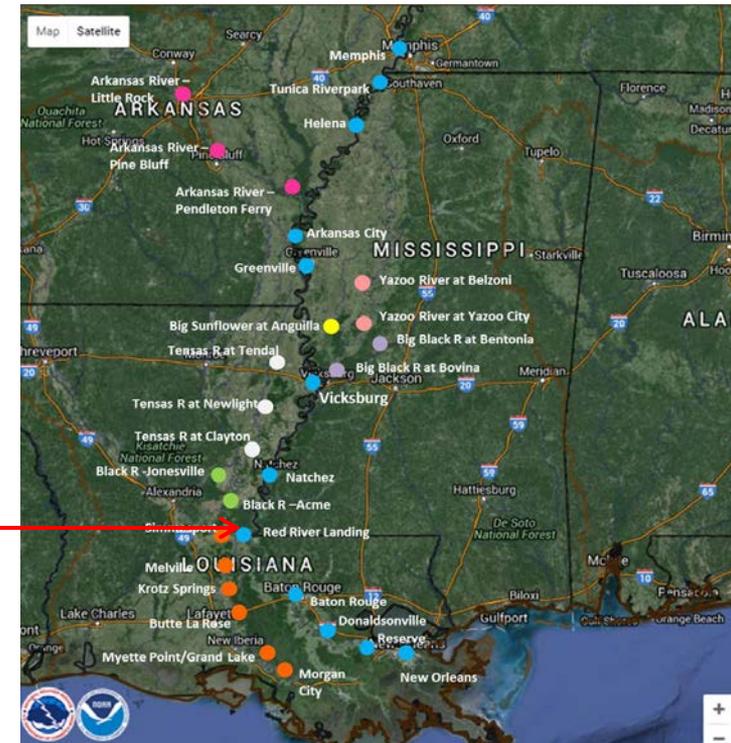
51 feet = All river islands along the reach from Red River Landing to Baton Rouge will be inundated. Recreational camps and river bottom farm land will be under water

54 Feet = All river islands along the reach from Red River Landing to Baton Rouge will be inundated. Recreational camps and river bottom land will be under water. Water approaches Angola farm land

58 Feet = Angola farmland on the left bank becomes inundated

59 Feet = The east bank levee will be topped and the prison farm land between the two levees will be inundated. Angola Landing will be under water closing the ferry there. All river islands along the reach from Red River Landing to Baton Rouge will remain inundated with recreational camps and river bottom farm land under water

61.61 Feet = Flood of March 24, 1997



Impacts for Mississippi River at Baton Rouge From NWS Weather Forecast Office New Orleans Web Page (www.srh.noaa.gov/lix)

Baton Rouge :

9A Jan 19 River Stage = 43.16 Feet

Jan 19 LMRFC Midday Forecast: Cresting

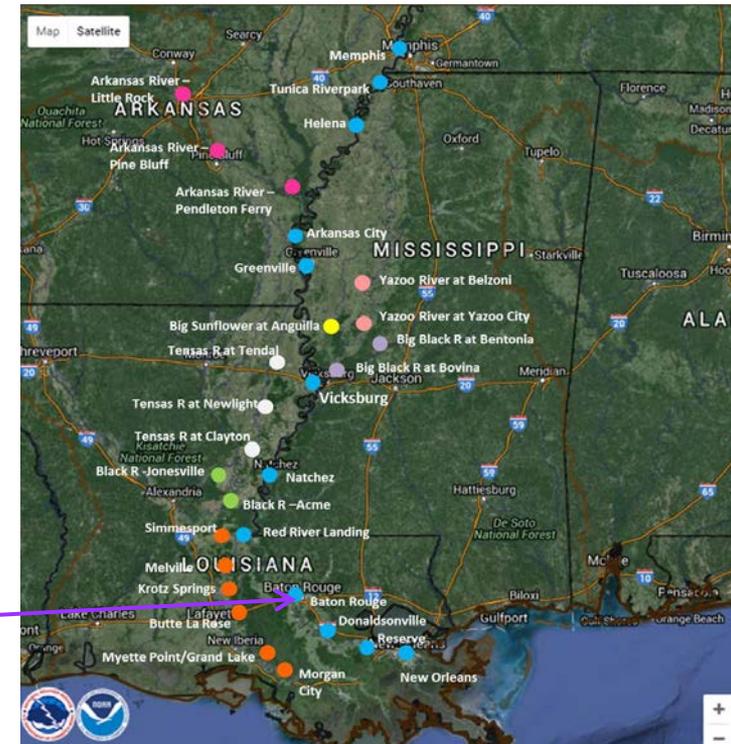
35 Feet = River islands from Red River Landing downstream to Baton Rouge will be inundated

36 Feet = River traffic and industrial activity on the river side of the levees will be greatly affected. Navigational safety regulations will be strictly enforced

40 Feet= The grounds of the older part of Louisiana State University's campus become soggy. This includes the area around the Veterinary Medicine building, the Veterinary Medicine Annex, the stadium and ball fields. The city of Baton Rouge and the main LSU campus are protected by levees at this level.

43 Feet= Shipping and industrial activities are significantly affected. Unprotected low-lying areas will be flooded and agricultural operations will be impacted on the west side of the river. The city of Baton Rouge is protected by levees at this level.

47.28 Feet= This is the flood of record established on May 15, 1927



Impacts for Mississippi River at Donaldsonville, Reserve, and New Orleans From NWS Weather Forecast Office New Orleans Web Page (www.srh.noaa.gov/lix)

Donaldsonville :

9A Jan 19 River Stage = 31.15 Feet

Jan 19 LMRFC Midday Forecast: Cresting

27 Feet = Navigation becomes difficult for smaller river craft. Safety precautions for river traffic are urged

33 Feet = River barge traffic becomes dangerous, particularly when navigating sharp turns on this stretch of the river

Reserve :

9A Jan 19 River Stage = 23.56 Feet

Jan 19 LMRFC Morning Forecast: Cresting

22 Feet = Marine and industrial interests along the river, upstream barge operators, and facilities are impacted. Navigation will become difficult for smaller river craft. Safety precautions for river traffic are urged

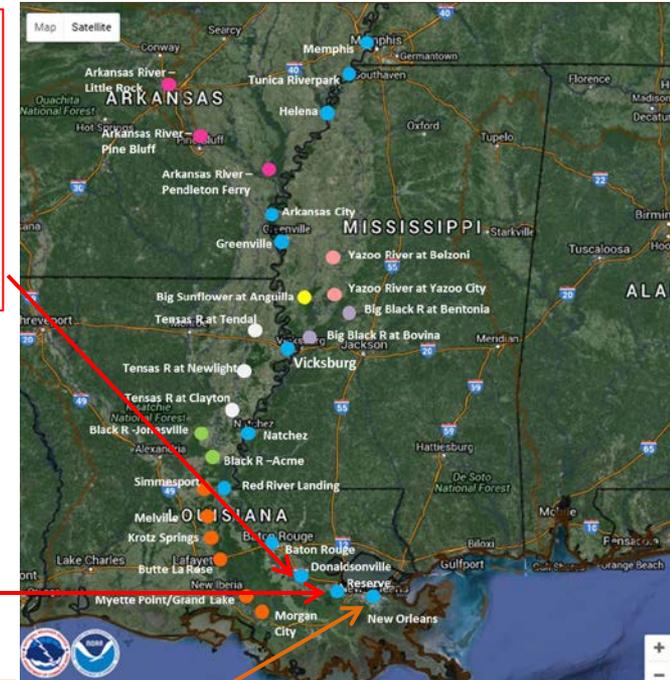
New Orleans :

9A Jan 19 River Stage = 16.61 Feet

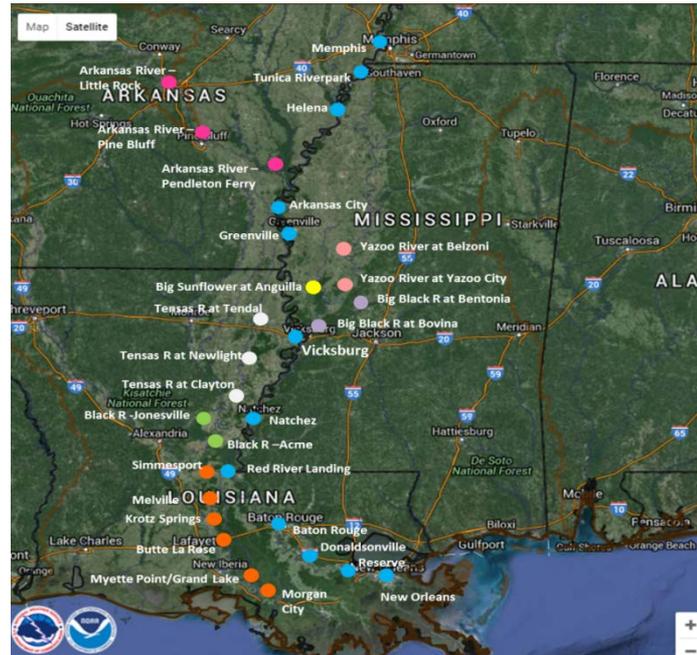
Jan 19 LMRFC Morning Forecast: Cresting

13 Feet = Strong eddies will develop below the gage at Carrollton, with increased negative impacts on navigation.

17 Feet = The river level will continue making navigation and docking difficult. The city is protected to a project height of 20 feet



Name	FS	Mod	Maj	Flood of Record	Date	2011		2008		Jan 19 Midday Forecast		
						Crest	Date	Crest	Date	9A Jan 19 Stage	Crest	Date
Jonesville – Black R	50	52	60	64.50	5/3/1927	49.2	26-May	48	28-Apr	49.1 (E)	Cresting	
Acme – Black R	48	52	58	62.70	5/17/1927	47.75	26-May	46.3	28-Apr	47.51	Cresting	
Simmesport	47	50	60	59.13	5/16/1927	44.93	24-May	41.34	28-Apr	41.29	Cresting	
Melville	34	45	50	46.98	5/14/1927	35.69	24-May	32.45	28-Apr	32.59	Cresting	
Krotz Springs	29	40	43	38.50	5/15/1927	32	25-May	28.40	23-Apr	29.09	Cresting	
Butte La Rose	20	25	28	27.28	5/23/1973	23.15	26-May	20.01	28-Apr	20.21	Cresting	
Myette Point	15	20	26	17.80	5/24/1973	15.58	28-May	12.62	26-Apr	12.08	12.5	Jan 22
Morgan City	6	7	12	10.53	5/28/1973	10.35	29-May	8	3-May	7.79	8	Jan 23



Impacts for Black River at Jonesville and Acme From NWS Weather Forecast Office Lake Charles Web Page (www.srh.noaa.gov/lch)

Jonesville :

9A Jan 19 River Stage = 49.1 Feet (Estimated)

Jan 19 LMRFC Morning Forecast: Cresting

39.5 Feet: Locking operations ceases at the lock and dam

40 Feet: Access Road to lock begins to flood on the riverside of levee

42 Feet: Water begins to top the lock

50 Feet: Highway 124 south near the town of Larto starts to flood. Backwater flooding begins in unprotected areas on right bank

51.4 Feet: The Columbia Recreation Area is inaccessible

52 Feet: Backwater flooding on right bank threatens residences

52.7 Feet: The Fort Necessity Recreation Area is inaccessible

Acme :

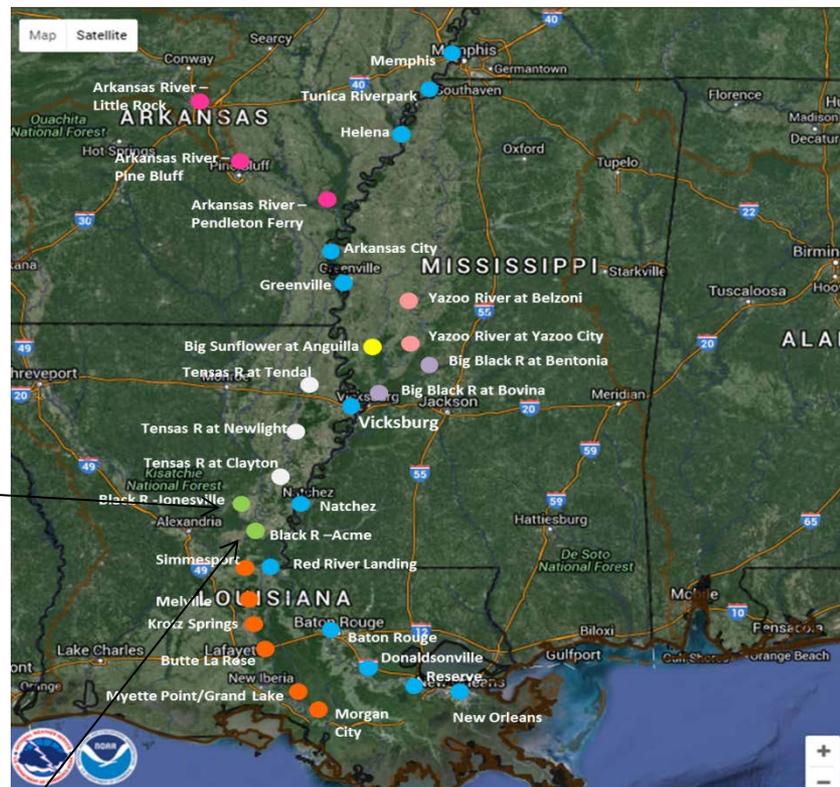
9A Jan 19 River Stage = 47.51 Feet

Jan 19 LMRFC Morning Forecast: Cresting (Action Stage= 47)

49 Feet: Minor lowland flooding is occurring near the river

50.5 Feet: The community of Brouillette is inundated.

52 Feet: Widespread lowland flooding is occurring. Evacuation of livestock and equipment is recommended.



Impacts for Atchafalaya River at Simmesport and Melville From NWS Weather Forecast Office Lake Charles Web Page (www.srh.noaa.gov/lch)

Simmesport :

9A Jan 19 River Stage = 41.29 Feet

Jan 19 LMRFC Morning Forecast : Cresting (46 Feet Is Action Stage)

35 Feet: Backwater flooding of unprotected areas above Simmesport will begin

40 Feet: There will be flooding of areas outside the levees in the Atchafalaya floodway

43 Feet: The river stage is at the natural ground elevation of areas protected by the levee system

Melville :

9A Jan 19 River Stage = 32.59 Feet

Jan 19 LMRFC Morning Forecast: Cresting

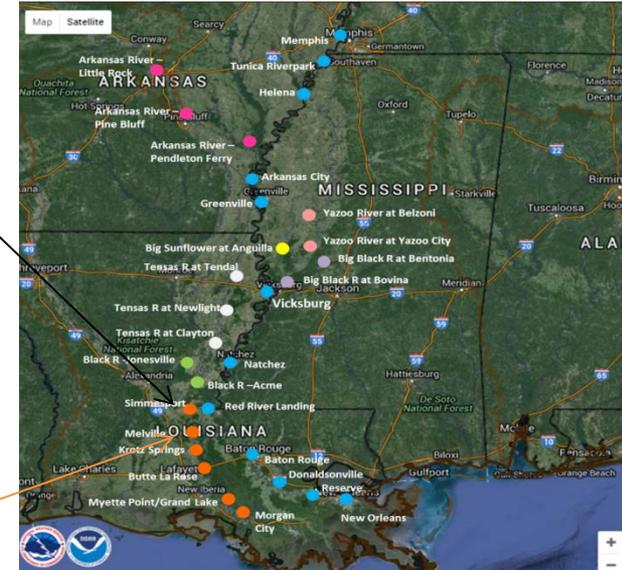
25 Feet = Flooding will begin on the river side of the Atchafalaya river levee and the Melville ring levee which protect the city to a river stage of about 50 feet

30 Feet = Increased current in the Atchafalaya main channel will cause minor navigation problems for large craft, but hazardous conditions for smaller river craft. The average elevation within the protection of the Melville ring levee is 31 feet.

33 Feet= Action Stage

34 Feet = Lowest structures on the unprotected side of the levee begin to flood. Flooding is more extensive just south of Melville

36 Feet = Flooding of structures on the unprotected side of the levee begins along Trestle Street and River Bank Road in Melville



Impacts for Atchafalaya River at Krotz Springs and Butte La Rose From NWS Weather Forecast Office Lake Charles Web Page (www.srh.noaa.gov/lch)

Krotz Springs :

9A Jan 19 River Stage = 29.09

Jan 19 LMRFC Morning Forecast: Cresting

28 Feet= Action Stage

29 Feet= Flooding of structures on the unprotected side of the levee along the river begins. This includes areas near the Atchafalaya Campground south of Krotz Springs and River View Subdivision north of Krotz Springs

Butte La Rose :

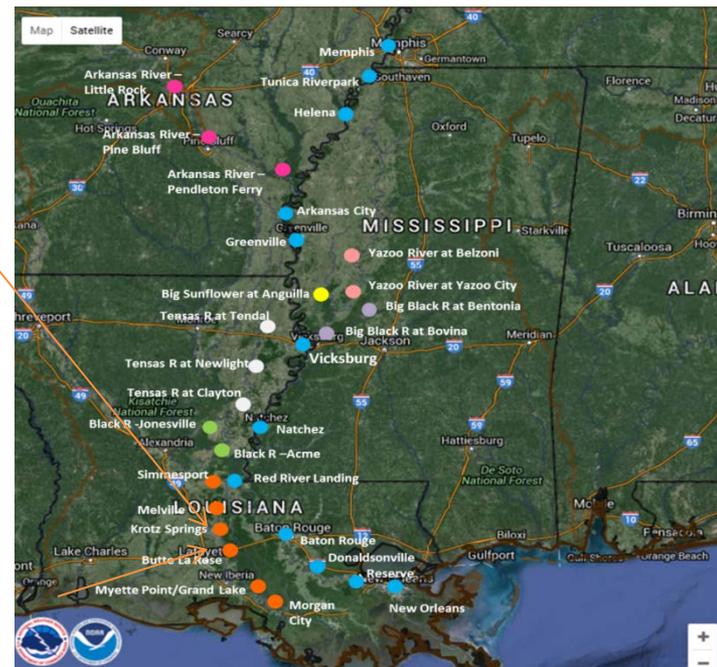
9A Jan 19 River Stage = 20.21 Feet (Above Action Stage)

Jan 19 LMRFC Morning Forecast: Cresting

17 Feet= Action Stage

20 Feet= Minor Flooding Begins **Jan 15 forecast has river rising to 20.5 ft on Jan 20)**

22 Feet = River traffic negotiating sharp turns will become difficult. Industrial equipment will be threatened and should be relocated to avoid damage.



Impacts for Atchafalaya River at Myette Point/Grand Lake and Morgan City From NWS Weather Forecast Office Lake Charles Web Page (www.srh.noaa.gov/lch)

Myette Point/Grand Lake :

9A Jan 19 River Stage = 12.08 Feet

Jan 19 LMRFC Midday Forecast: Cresting

15 Feet = Although on the floodway side of the protection levee, flooding of the batture will impede small craft launching. Navigation precautions are recommended.

Morgan City :

9A Jan 19 River Stage = 7.79 Feet (Above Moderate Flood Stage)

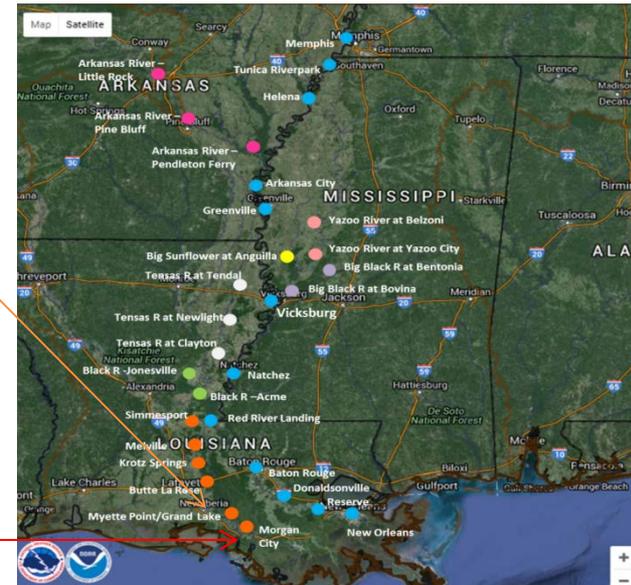
Jan 19 LMRFC Midday Forecast: Cresting

4 Feet= Action stage. Water will move up the bank and across access roads below the city dock. Floodwall gates should be closed by the 5 foot stage to protect against higher stages. Vessel traffic will be affected by stronger river current and vessel traffic safety rules will be strictly enforced by the U.S. Coast Guard.

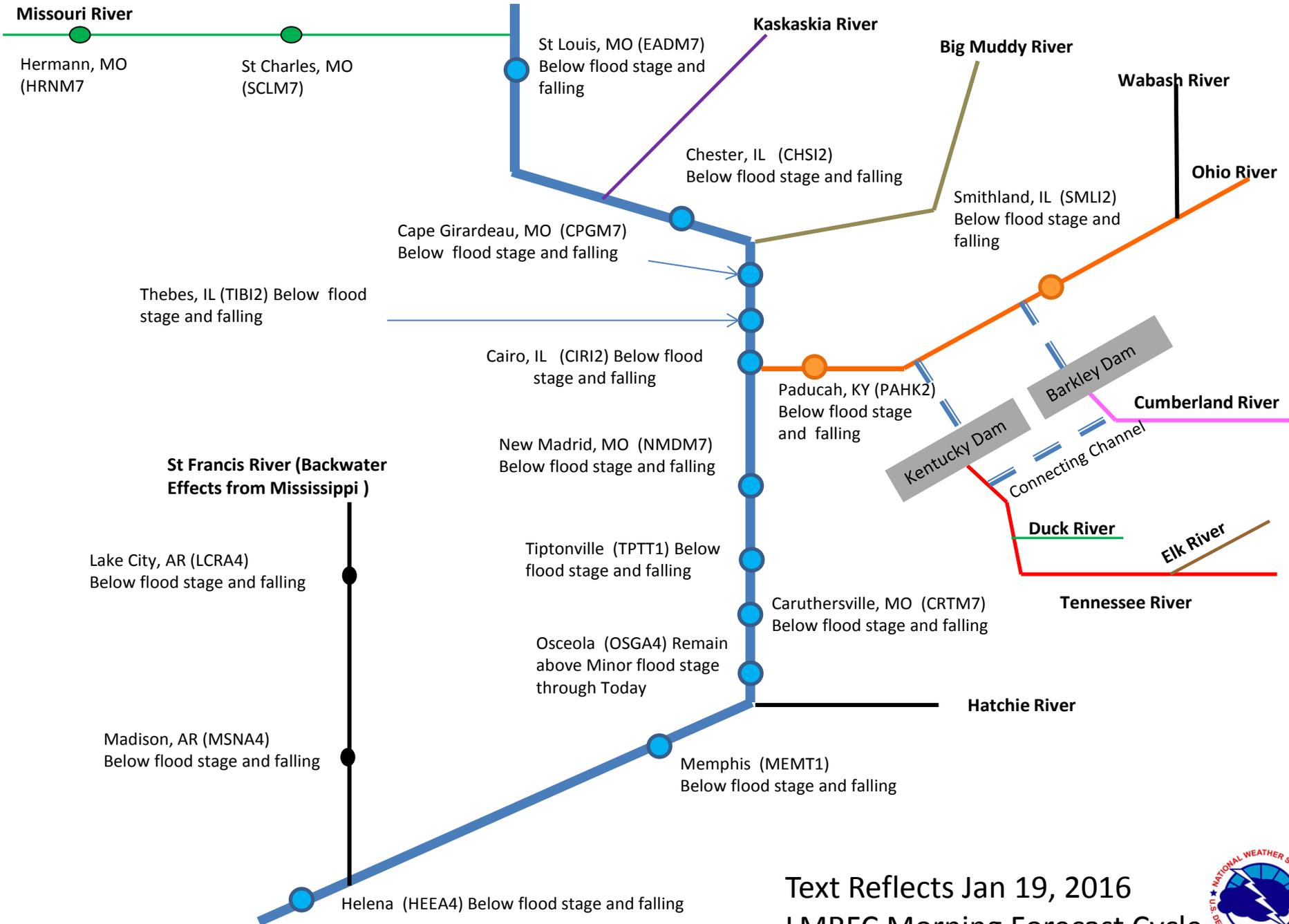
5 Feet= Floodwall gates will be closed to protect against higher stages. Vessel traffic will be affected by stronger river current and vessel traffic safety rules will be strictly enforced by the U.S. Coast Guard

6 Feet = Flood stage. The city dock will be under water. Water will cover the lower end of Belleview Front Street in Berwick. Vessel traffic will be affected by stronger river current and vessel traffic safety rules will be strictly enforced by the U.S. Coast Guard

7 Feet= Buildings at the foot of Ann Street on the river side of the flood wall will flood as water overtops the Rio Oil Company dock. Buildings on the river side of the Berwick floodwall will flood. River traffic restrictions will be strictly enforced.

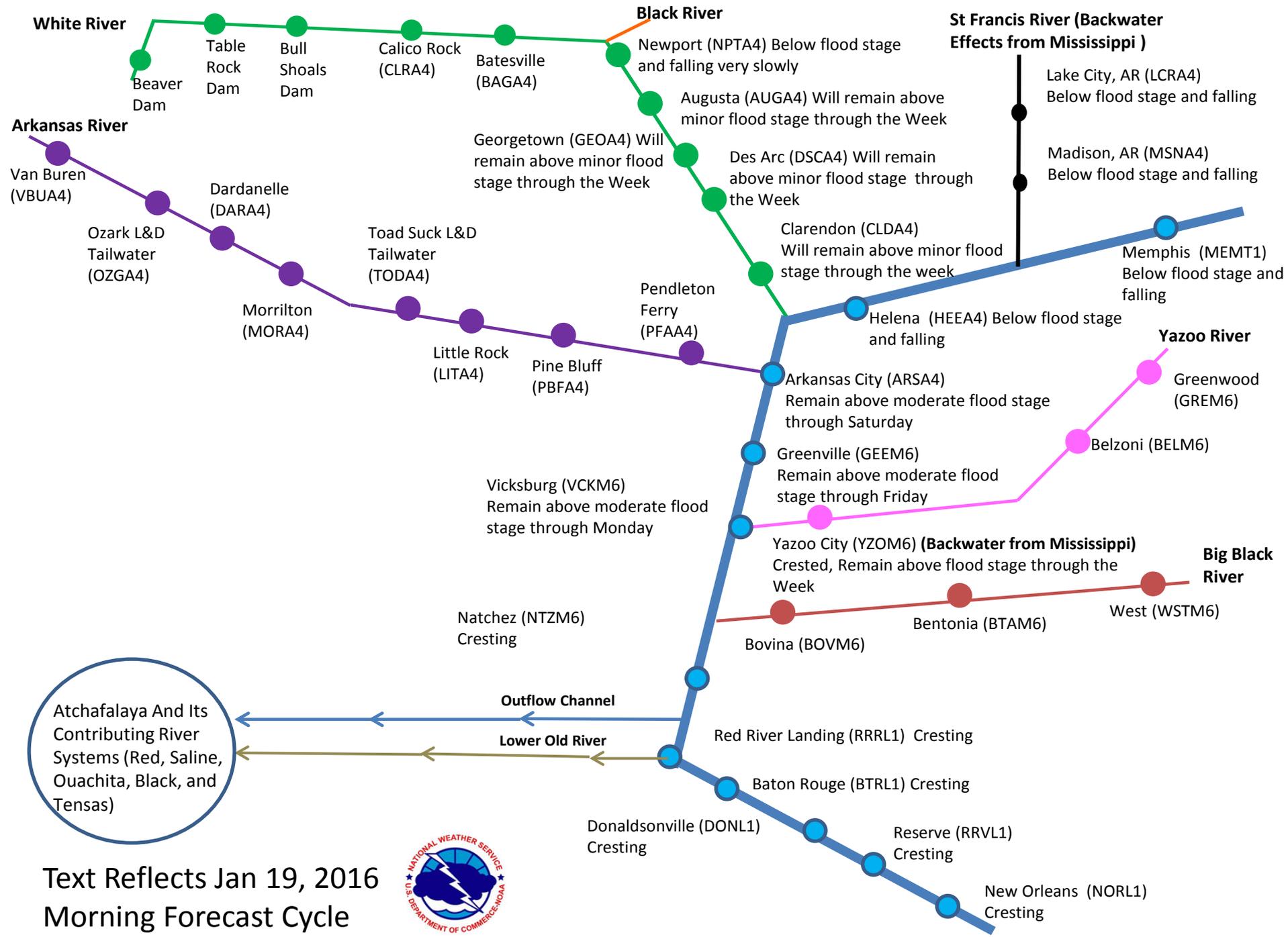


Supplemental Slides for Crest Timing on All Lower Mississippi and
Atchafalaya Tributaries



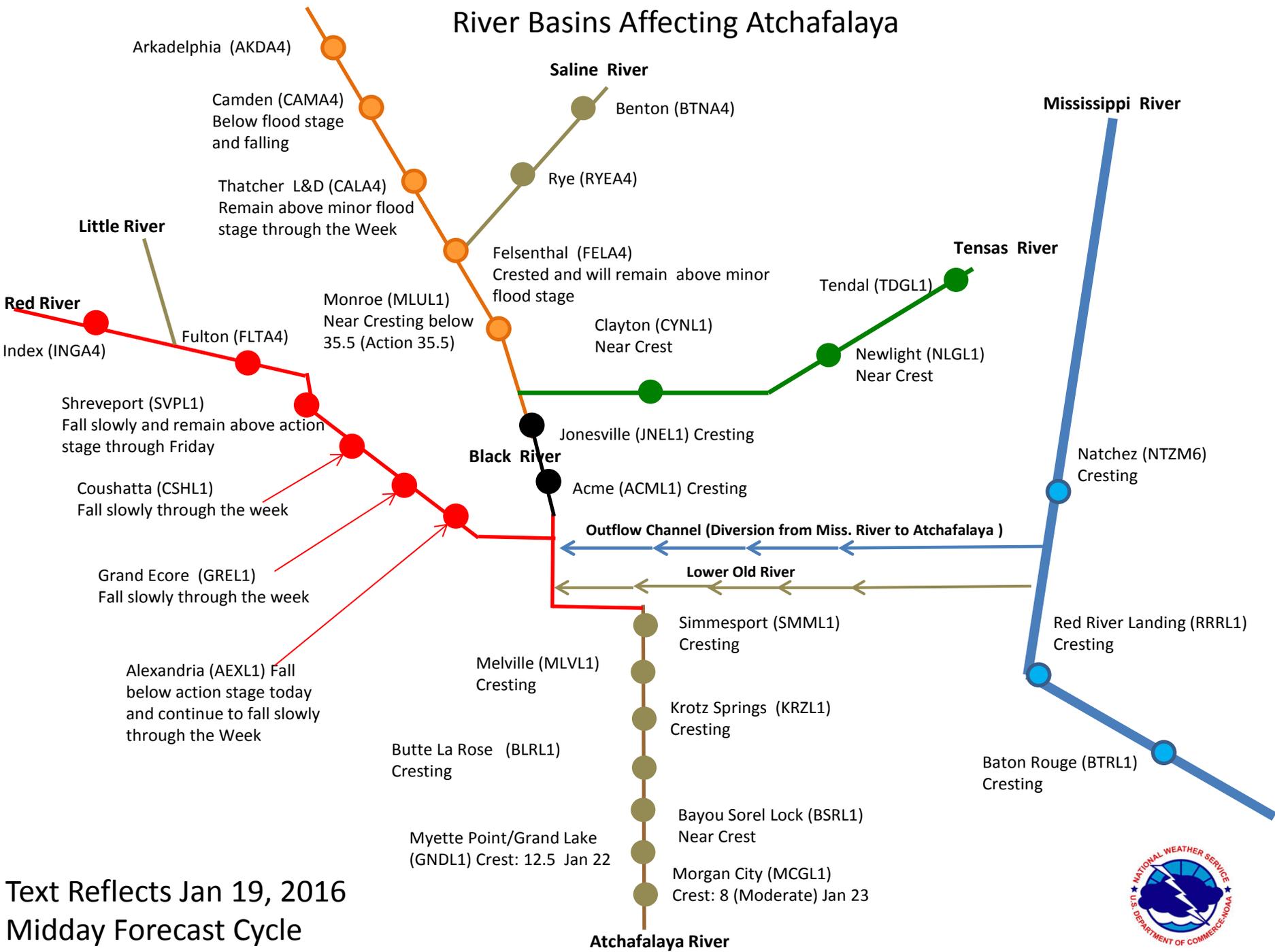
Text Reflects Jan 19, 2016
LMRFC Morning Forecast Cycle





Text Reflects Jan 19, 2016 Morning Forecast Cycle

River Basins Affecting Atchafalaya



Text Reflects Jan 19, 2016
Midday Forecast Cycle



Talking Points and Jan 19 Forecasts For Mainstem of Red River In Louisiana

Location	Flood of Record	May 2015 Record Rainfall	Tropical Storm Bill 2015	Crest Dec 2015-Jan 2016 Event
Shreveport	45.90 (Aug 10 1849)	37.14 Major (Jun 9)	31.05 Minor (Jun 30)	Crested at 31.5 ft (Moderate)
Coushatta	39.90 (Apr 7 1945)	38.83 Major (Jun 11)		Crested at 33 ft (Moderate)
Grand Ecore	44.70 (Apr 10 1945)	42.03 (Jun 13)		Crested near 34 ft (Minor)
Alexandria	45.23 (Apr 17 1945)	36.10 (Jun 16)		Crested 30.2 ft (Action)

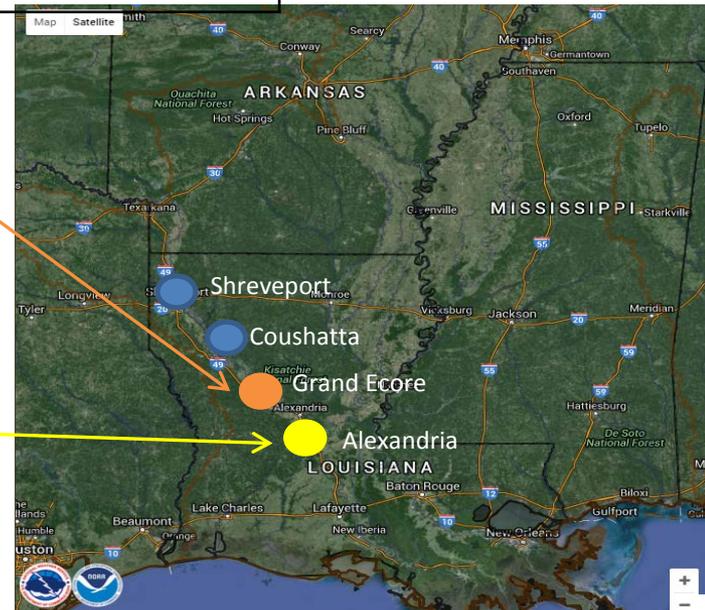
Site	Jan 19 Stage 9A	Forecast and Status on Jan 19
Shreveport	27.52	Remain above action stage through the week
Coushatta	29.60	Continue to fall slowly through the week
Grand Ecore	31.43	Continue to fall slowly through the week
Alexandria	29.79	Fall below action stage today and continue to fall slowly through the week

Grand Ecore: Impacts

33 ft = Minor flooding of lowlands in the Red River floodplain between levees take place

Alexandria: Impacts

28 ft = Overflow occurs on floodway side of levee from gauge to Acme. Recreational boaters should use extreme caution due to high river flows.



NWS Lower Mississippi River Forecast Center

www.srh.noaa.gov/lmrfc

