

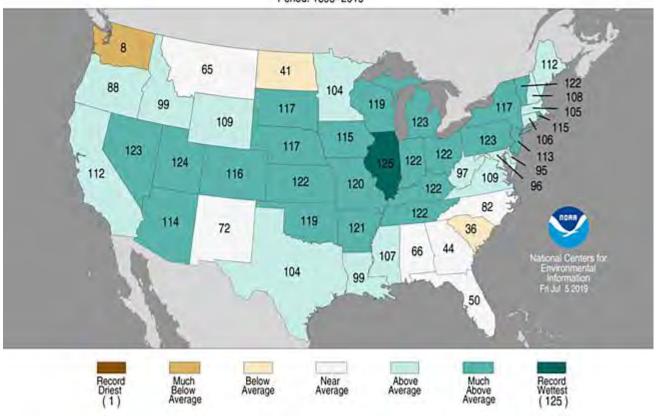
National Climate Report NOAA- June 2019 National Centers for Environmental Information

For the year-to-date, the precipitation total was 19.05 inches, 3.74 inches above average, and the wettest such period in the 125-year record.

Statewide Precipitation Ranks

January-June 2019

Period: 1895-2019



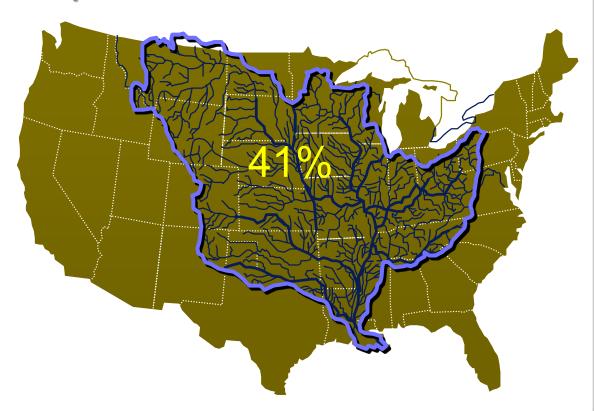
- Average precipitation across the contiguous U.S. for July 2018-June 2019 was 37.86 inches, 7.90 inches above average, and broke a record. exceeding the July-June record of 35.11 inches, which occurred from July 1982-June 1983.
- This new record also exceeded the previous all-time 12-month period record set at the end of May 2019.
- •The all-time 12-month record prior to this was 36.31 during May 2018-April 2019.



FLOOD FIGHT – MISSISSIPPI RIVER AND TRIBUTARIES



- 2,200 Miles of MR&T levees and floodwalls 973 miles in New Orleans District
- Event started 26 Oct 2018
- Work closely with non-federal sponsors
- Phase I:
- 11.0' at Carrollton gage
- 5.0 'at Morgan City gage
- Phase II:
- 15.0' at Carrollton gage
- 7.0' at Morgan City gage





Consecutive Days Above Flood Stage

Lower Mississippi River Forecast Center

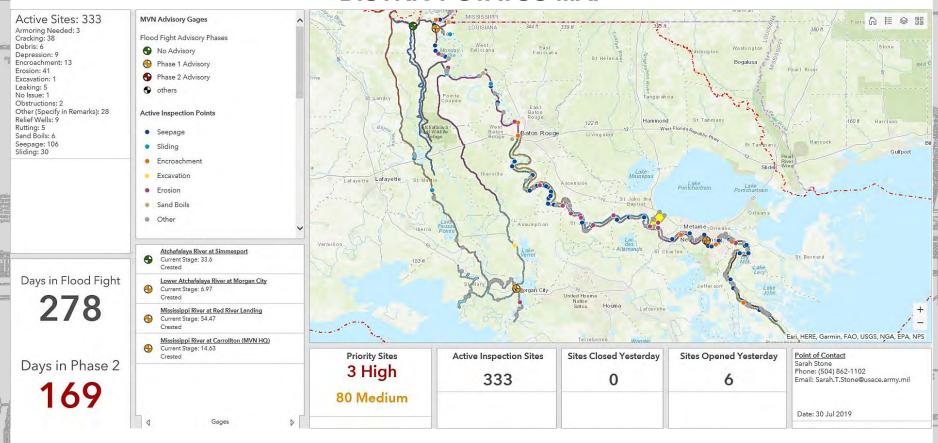
Current data as of July 31st 2019

Forecast Location	Record (Days/Year)	2019 (Days/Period)	2011 (Days)	1973 (Days)	1927 (Days)
Cairo, IL	156 2019	156 Feb 8 th – Jul 13 th	59	97	76
Memphis, TN	65 1927	39 Feb 19 th – Mar 29 th	35	64	65
Arkansas City, AR	197 1927	94 Apr 16 th – Jul 19 th	44	72	197
Greenville, MS	155 2019	155 Feb 17 th – Jul 21 st	46	71	115
Vicksburg, MS	185 1927	162 Feb 17 th – July 28	48	83	185
Natchez, MS	209 2019	<mark>209</mark> Jan 4 th – Today	53	90	77
Red River Landing, LA	217 2019	217 Dec 27 th – Today	59	95	152
Baton Rouge, LA	207 2019	<mark>207</mark> Jan 6 th – Today	79	99	135

Numbers in **Red** are records for this year

Data provided by U.S. Army Corps of Engineers

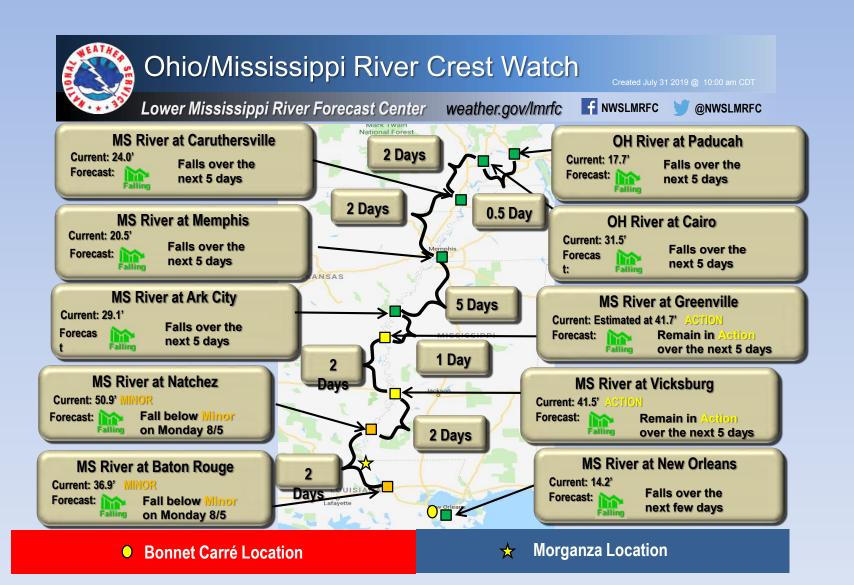
DISTRICT STATUS MAP











21 DAY FORECAST

DATE	Cairo	AR City	KNOX	RR LDG	MORGNZA	B.R.	D'VILLE	RSRVE	N.O.	RRL Q	SIMM Q	SIMM	MEL	KROTZ	BLR	MC
28-Jul	36.4	30.5	58.1	55.6	51.7	38.4	27.3	20.8	15.0	933	465	34.2	26.9	24.2	18.2	7.1
29-Jul	35.7	29.7	57.6	55.1	51.1	37.9	27.0	20.7	14.9	916	461	34.0	26.7	24.1	18.1	7.0
30-Jul	33.7	29.1	57.0	54.5	50.4	37.5	26.7	20.5	14.8	897	452	33.4	26.1	23.6	17.8	6.9
31-Jul	32.1	28.5	56.4	53.9	49.8	36.9	26.3	20.3	14.7	878	442	33.0	25.8	23.3	17.7	6.8
1-Aug	31.0	28.0	55.7	53.2	48.9	36.3	25.9	20.1	14.5	859	433	32.5	25.3	22.9	17.4	6.7
2-Aug	30.0	27.4	55.0	52.5	48.1	35.6	25.4	19.9	14.4	838	422	31.9	24.7	22.5	17.2	6.7
3-Aug	29.2	26.8	54.4	51.9	47.4	35.0	25.0	19.6	14.2	823	415	31.5	24.3	22.2	17.0	6.5
4-Aug	28.5	26.3	53.8	51.3	46.7	34.4	24.6	19.4	14.0	810	408	31.2	24.1	22.0	16.9	6.4
5-Aug	27.9	25.7	53.3	50.8	46.2	33.8	24.2	19.2	13.9	799	403	30.9	23.8	21.7	16.7	6.3
6-Aug	27.2	25.2	52.8	50.3	45.6	33.4	23.9	19.0	13.7	788	397	30.6	23.5	21.5	16.6	6.1
7-Aug	26.6	24.6	52.3	49.8	45.0	32.9	23.5	18.8	13.6	778	392	30.3	23.2	21.3	16.4	6.0
8-Aug	25.9	24.0	51.8	49.3	44.4	32.4	23.2	18.6	13.5	769	387	30.1	23.0	21.1	16.4	6.0
9-Aug	25.2	23.5	51.3	48.8	43.8	31.9	22.9	18.5	13.3	759	382	29.8	22.7	20.9	16.2	5.9
10-Aug	24.5	22.9	50.8	48.3	43.3	31.5	22.6	18.3	13.2	749	377	29.5	22.4	20.7	16.1	5.8
11-Aug	23.9	22.4	50.4	47.9	42.8	31.0	22.2	18.1	13.1	741	373	29.3	22.2	20.5	16.0	5.7
12-Aug	23.3	22.0	50.0	47.5	42.3	30.6	22.0	17.9	13.0	733	369	29.1	22.1	20.4	15.9	5.7
13-Aug	22.8	21.5	49.6	47.1	41.9	30.2	21.7	17.8	12.9	725	365	28.9	21.9	20.2	15.8	5.6
14-Aug	22.4	21.1	49.2	46.7	41.4	29.9	21.5	17.7	12.8	717	361	28.7	21.7	20.1	15.7	5.5
15-Aug	22.0	20.6	48.8	46.3	40.9	29.5	21.2	17.5	12.7	709	357	28.4	21.4	19.9	15.6	5.5
16-Aug	21.7	20.2	48.4	45.9	40.5	29.1	20.9	17.4	12.6	701	353	28.2	21.2	19.7	15.5	5.4
17-Aug	21.4	19.7	48.0	45.5	40.0	28.7	20.7	17.2	12.5	693	349	28.0	21.0	19.6	15.4	5.4
18-Aug	21.2	19.2	47.6	45.1	39.5	28.3	20.4	17.1	12.4	685	345	27.8	20.8	19.4	15.3	5.3
DATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CREST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phase I		Phase II		Crest										Issued on 28Jul2019	

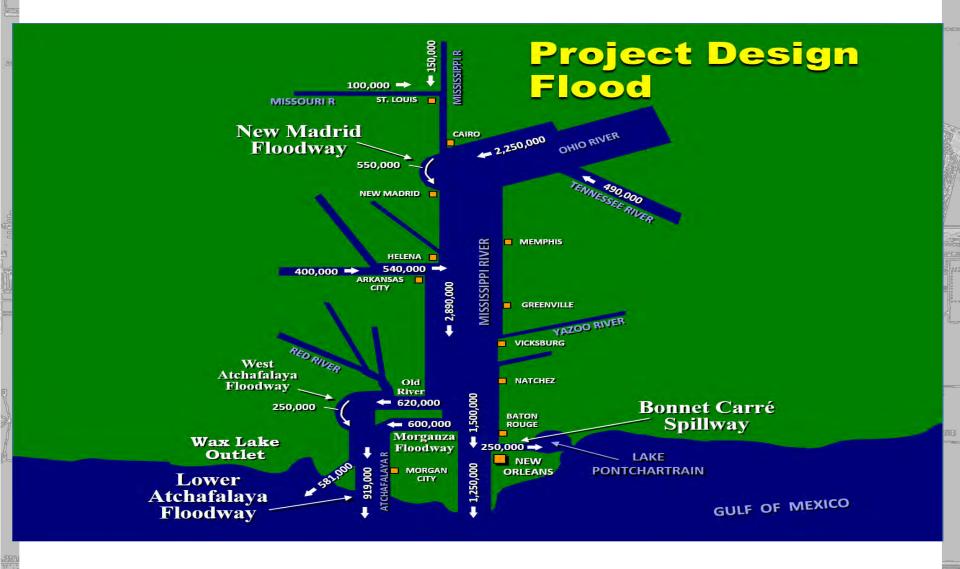
Product of MVN-Water Management





Flood Control Projects





Old River Control Structure



OLD RIVER CONTROL COMPLEX

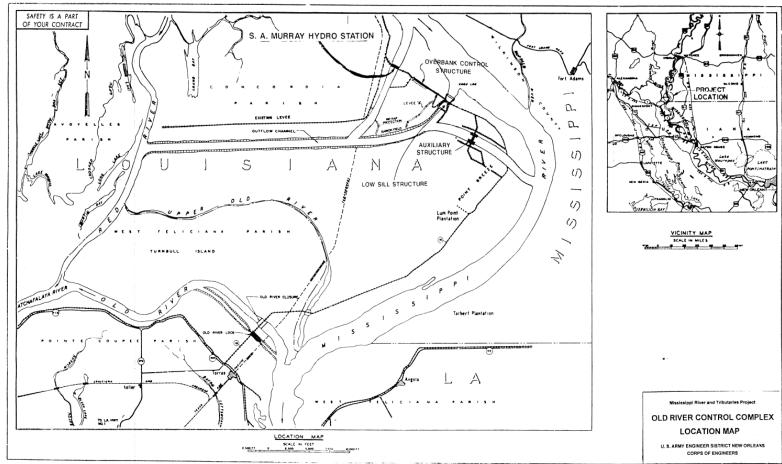
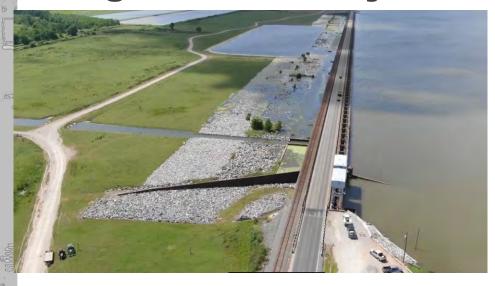


PLATE 2-1





Morganza Floodway



- Purpose: maintain design flows of 1.5 million cfs or less through Baton Rouge
- Opening trigger: 57.0 ft stage at Morganza AND flow forecast of 1.5 million cfs and rising. OR to minimize flood damages in the downstream reaches and to prevent stages from exceeding approved flowline

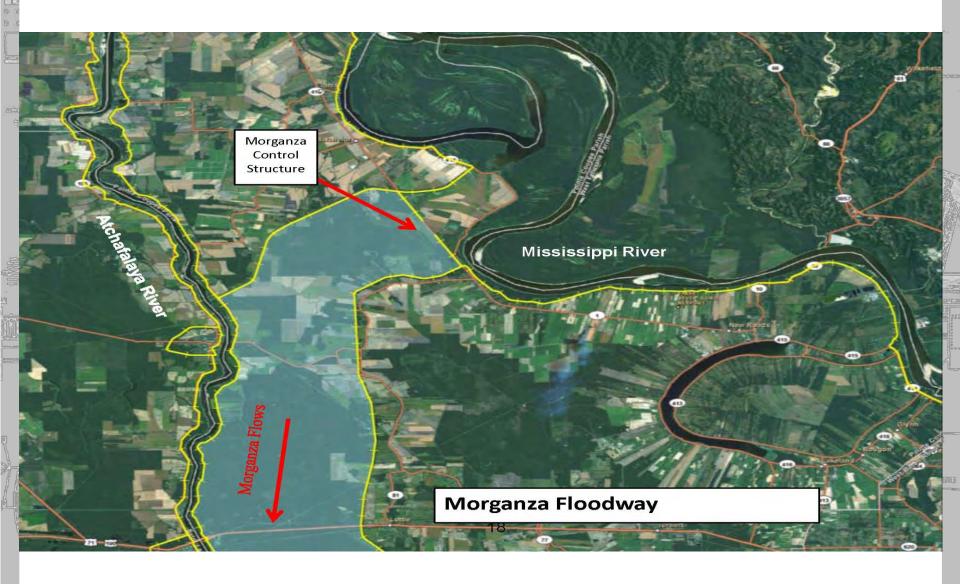
Historical:

- Constructed 1954
- 71,500 acre floodway
- Operated Twice:
 - 1973 Peak Flow = 194,000 cfs
 - 2011 Peak Flow = 186,000 cfs

2019 Status:

- Forebay is flooded
- Slides on guide levees mitigated with riprap
- Sluice gates are closed
- River crested at 57.8 on 18 June 2019
- Completed opening communication sequence and interagency coordination in preparation of potential opening





Bayou Chene Barge Closure



Bayou Chene Barge Closure



Installation Completed 3 June 2019

Bonnet Carré Spillway Operations



- Purpose: Maintain design flow of 1.25
 million cfs or less through New Orleans
- Opening trigger: 1.25 million cfs and rising
- **14 Total Openings:** 1937, 1945, 1950, 1973, 1975, 1979, 1983, 1997, 2008, 2011, 2016, 2018, 2019, 2019



Current Conditions

- Closed
- 2019 breaking records
 - 1st back to back openings
 - 1st time open twice in same calendar year
 - Most days open in a calendar year (44 days 79 days)
 - Opened 27 Feb Closed 11 April
 - Opened 10 May Closed 27 July
 - Peak flow of 213,000 cfs on 19 March

BONNET CARRE SPILLWAY OPERATION

Reported Flow: KCFS Delta: KCFS

Reported Flow Date: 7/30/2019, 8:24 AM

350 Total Bays

Open Bays



(0 High Bays, 0 Low Bays)

Closed Bays

2350

(176 High Bays, 174 Low Bays)

24 Hour Bay Change 0 Opened, 26 Closed

Recreation Areas	Status	Status Date
St. Charles Parish Highway 12 (SC 12)	Closed	1/4/2019
ATV riding area in the Spillway	Closed	1/2/2019
Radio-Controlled Airfield in the Spillway	Closed	1/3/2019
Viewing Area (downstream end of structure)	Open	5/10/2019
Project Boat Launch	Closed	4/15/2019
St. Charles Parish Recreation Area	Closed	1/3/2019
All Other Recreation Areas	Closed	1/3/2019

Tagged Fish	Count		
Asian Carp	0		
Sturgeon	2		
Paddlefish	41		
Other	4		

Notes: To date there have been 2 separate recaptures from the spillway operation in March 2018. Other tagged fish are Silver Carp

Last Updated: 6/7/2019, 12:08 PM

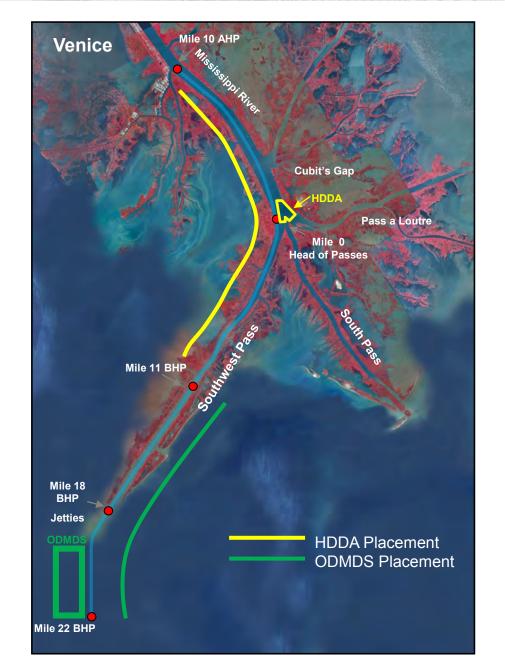






Impacts to Federal Projects





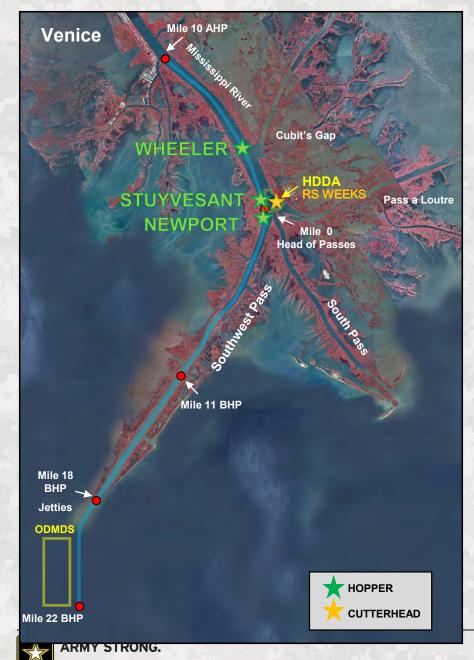
HOPPER DREDGES IN SW PASS

Material disposal:

- Head of Passes Hopper Dredge Disposal Area (HDDA)
 - Material dredged from river miles 10 Above Head of Passes to 11 Below Head of Passes
 - Available for future beneficial placement
- Ocean Dredged Material Disposal Site (ODMDS)
 - Material dredged from river miles
 11 to 22 Below Head of Passes
 - Located on the right-descending side of the bar channel
- Agitation dredging
 - River Miles 18-22 Below Head of Passes (Jetties and Bar Channel)







Mississippi River Status Update 15 Jul 2019

CHANNEL CONDITIONS:

- ❖ AS OF 26 JUN 19, ALL VESSELS ARE RESTRICTED TO 42 FEET MAXIMUM DRAFT TO ENTER OR EXIT THE MISSISSIPPI RIVER. NO ALTERNATE ROUTES EXIST.
- ❖ ALL DREDGES HAVE RESUMED WORK FOLLOWING HURRICANE BARRY.

Mississippi River Southwest Pass Dredge Status:

ONGOING:

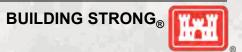
- WHEELER (Red Flag Call Out #5-2019): 3 Jun 19 20 Jul 19
- NEWPORT: 28 Nov 18 15 Nov 19
- STUYVESANT: 14 Jun 19 30 Sep 19
- RS WEEKS: Hopper Dredge Disposal Area (HDDA) Dredging SCHEDULED:
- WHEELER (Red Flag Call Out #6-2019): 21 Jul 19 31 Aug 19
- SWP Cutterhead Dredge #2-2019: 20 Jul 19 20 Sep 19
 - Est start: CR McCaskill 20 Jul & Capt Frank 24 Jul
- SWP Hopper #12-19: Bid opening 18 Jul 19

Mississippi River Deep Draft Crossings Dredge Status:

- HURLEY Redeye crossing (Mile 224), started 5 May 19. Down for repairs 8-17 Jul 19.
- WALLACE MCGEORGE Baton Rouge Front crossing (Mile 231.5), started 9 May 19
- JADWIN –Belmont crossing (Mile 154), started 28 Jun 19



High River and a Tropical Event

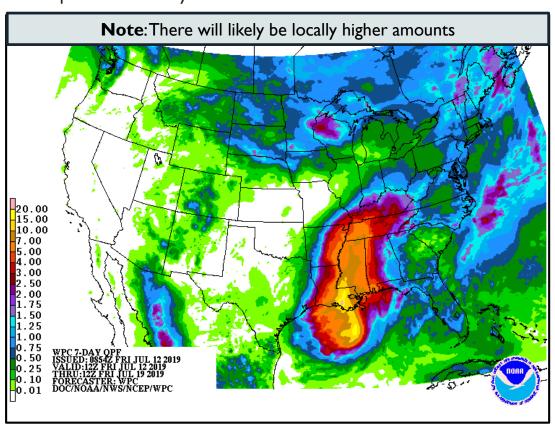


Tropical Storm Barry



Expected Storm Total Rainfall

Tropical Storm Barry



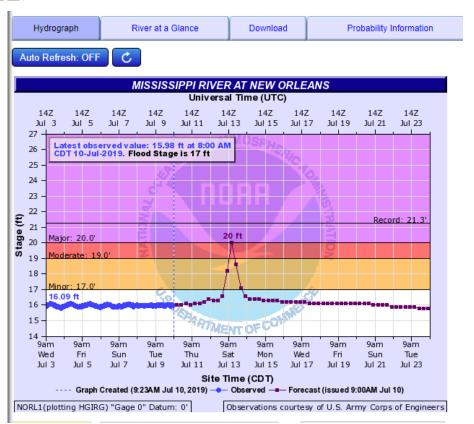
- Storm Total rainfall forecast valid Today through next week
- Locally, most rain will occur Today and Saturday

7/31/2019 5:26 PM www.weather.gov/NewOrleans

MS River Forecast

F

Potential Tropical Cyclone Two

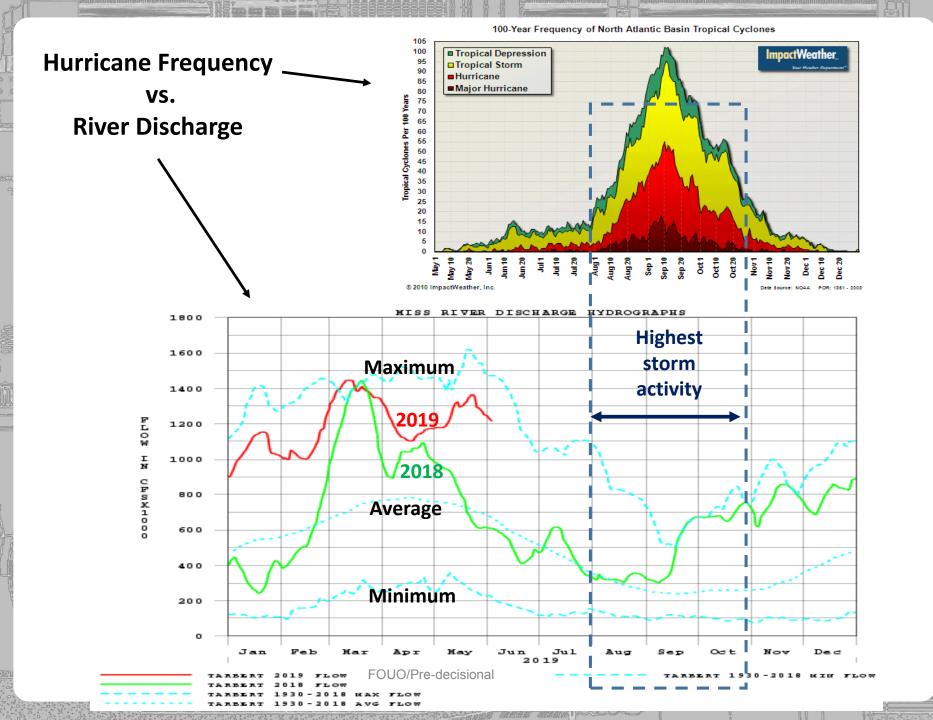




Mississippi River

- Storm surge near Mouth of Mississippi River of up to 3-5 ft late Friday or early Saturday.
- Potential storm surge of around 3-4 ft expected along the lower Mississippi River from New Orleans area southward
- New Orleans Carrollton Gage Forecast
 Approximately 20 ft late Friday into Saturday.

www.weather.gov/NewOrleans



NEW ORLEANS DISTRICT













SCHOONER BAYOU



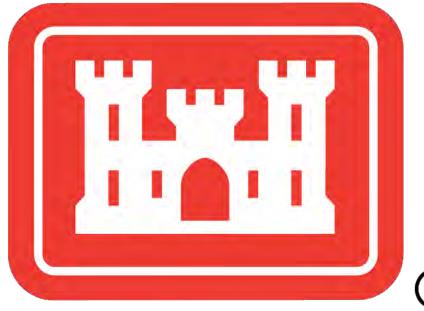












R