

City of Thibodaux Hurricane Preparation Worksheet

Name	Category- Winds	MB	Storm Surge	Damage Cost	Remarks
Andrew- 1992	5-175 Max mph 2-115 in La.	922 990	16' 8'	\$27.3B	Landfall in Morgan City/Only about 6" of rain Impact of a weakening storm in the citizens minds versus \$1B damage in La.
Katrina- 2005	5-175 Max mph 4-155 in La.	902 935	20' 28'	\$125B	4 th Most intense in US history/Landfall at the mouth of the River Storm surge increased in the last 48 hours/Major search and rescue efforts
Rita- 2005	5-180 Max mph 3-115 in La.	895 937	18' 12'	\$18.5B	Landfall about 3 weeks after Katrina in Cameron Parish Impact of back to back storms as applied to state resources (high cost)
Gustav- 2008	4-155 Max mph 2-110 in La.	941 985	14' 14'	\$8.3B	Landfall in Cocodrie/Storm size of 140 miles with hurricane sustained winds Contraflow for only the second time since conception/1.5M without power
Ike- 2008	4-145 Max mph 2-110 La.	935 950	10' 8'	\$38.1B	Landfall about 3 weeks after Gustav at the Texas-Louisiana line Storm size of 200 miles with hurricane sustained winds/Back to back storms
Isaac- 2012	1-100 Max mph 1-80 mph in La.	965 975	13' 11'	\$3.1B	Slow moving/Made landfall twice- Mississippi River and Port Fourchon 600k without power in Louisiana/Slow moving- washing machine effect
Current Storm	CAT- Winds	MB	Storm Surge	Storm Size	Worksheet Remarks
H-120 (5 days)					
H-96 (4 days)					
H-72 (3 days)					
H-48 (2 days)					
H-24 (1 day)					

Key Points- Wind speed and category is the most common item tracked by the public. The National Weather Service is trying to change that narrative. The future is more of a focus on water- storm surge, rainfall, back flooding etc. Mb, storm size and storm speed are all factors in water levels. The lower the MB, the more storm surge. The larger the storm circumference, the more rainfall precipitation. The slower the storm speed, the more we will see washing machine effect and rainfall dumping. Look at these items In order to make your assessment, make your notes above:

Mb- Anything below 940 Mb is devastating, 940-965 Mb is really bad and over 1000 Mb is normal day to day thunderstorms.

Storm speed- Most storms move at about 8-10 mph, a storm moving above 10 mph is moving fast and below 5 mph has the potential to stall upon landfall.

Storm surge- Anything above 20' is catastrophic and above 10' is a major cause for concern.

Storm size- Use the I10 test. I10 is about 50 miles in straight line distance from the coast. So look at a storm size while it is over Cuba or in the Gulf, place the eye at the Louisiana coast and if the outer bands pass I10 the storm (over 100 miles in circumference) is likely to be a major event.

Wind speed and Category- Winds are critical in the indication of the violence of the storm. The higher the wind/Category the worse the storm effects will be.

Category and Wind Speed Range Information

Tropical Depression <39 MPH

Tropical Storm 39-73 MPH

CAT1 74-95

CAT2- 96-110

CAT3 111-130

CAT4- 131-155

CAT5- >155

