## HURRICANE LANDFALLS

2005-2017

When a hurricane reaches land, it can cause tremendous damage and loss of life. High winds, flooding from rainfall, storm surges, and tornadoes can all contribute to the destruction.

A storm's name is retired when it is so costly or deadly that using the name in the future would be insensitive. Since 2005, meteorologists have retired the names of 24 hurricanes occurring in the Atlantic Ocean, Caribbean Sea, and the Gulf of Mexico (paths shown below). These destructive storms have caused billions of dollars in damage and have killed thousands of people.

The Saffir-Simpson Hurricane Wind Scale rates hurricanes on a 1 to 5 scale, based on sustained wind speed.

- Winds 119-153 kph (74-95 mph) Some damage
- Winds 154-177 kph (96-110 mph) Extensive damage
- Winds 178-208 kph (111-129 mph) Devastating damage
- Winds 209-251 kph (130-156 mph) Catastrophic damage: severe damage to homes
- Winds 252 kph (157 mph) or higher Catastrophic damage: most homes destroyed

# **Katrina** (August 2005)

Katrina first caused damage to the Florida coastline as a Category 1 hurricane before it hit Louisiana as a Category 3 storm. It was one of the deadliest hurricanes in U.S. history and also the costliest. Katrina's strong storm surge contributed to the destruction.

■ **Harvey** (August/September 2017)

Harvey stalled along the Texas coast and dumped more than 60 inches of rain over southeastern Texas. The unprecedented rains caused catastrophic flooding.

### Sandy (October/November 2012)

Hurricane Sandy caused damage across a wide area, from Jamaica and Cuba to New York and New Jersey. Despite being a category 1 storm when it struck the U.S. coastline, Sandy ranks as one of the costliest storms in U.S. history.

#### Maria (September/October 2017)

Hurricane Maria caused terrible devastation to the Dominican Republic and Puerto Rico. After the storm knocked out power to the entire island of Puerto Rico, it took almost a year to completely restore electricity.

#### **Dean** (August 2007) Felix (August/September 2007)

On August 21, 2007, Hurricane Dean slammed into the Yucatan Peninsula in Mexico as a Category 5 storm. Two weeks later, another Category 5 storm, Felix, struck northeastern Nicaragua.

2005	Dennis, Katrina, Rita, Stan, Wilma
2007	Dean, Felix, Noel
2008	Gustav, Ike, Paloma
2010	lgor, Tomas
2011	Irene
2012	Sandy
2013	Ingrid
2015	Erika, Joaquin
2016	Matthew, Otto
2017	Harvey, Irma, Maria, Nate

<u>&gt;</u>		Harvey 2017			\$125 billion		
Cate	4	Irma 2017	\$50 bill	ion			
		Maria 2017		\$90 billi	on		
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Hurricane		Katrina 20	05			\$160 billion	
ı.							
I	_	Sandy 2012	\$70	.2 billion			

