

DAILY DART

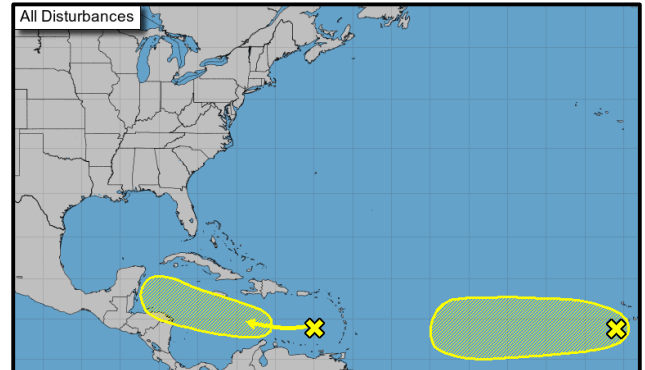
WSP USA INSPECTION SERVICES DISASTER AWARENESS REPORT

August 26, 2022

Tropical Activity

Atlantic – Disturbance 1

- Located over the east Caribbean Sea moving W at 15 mph
- Environmental conditions could be more conducive for slow development early next week
- Formation chance – 48-hour: Low (near 0%); 5-day: Low (20%)



Atlantic – Disturbance 2

- Located south of the Cabo Verde Islands moving W at 15-20 mph
- Environmental conditions could support some slow development through early next week
- Formation chance – 48-hour: Low (10%); 5-day: Low (20%)

Tropical Development Outlook

- A prolonged lack of named tropical systems in the Atlantic Ocean could come to an end as August transitions to September, AccuWeather forecasters say.
- Environmental conditions over much of the basin this summer have been detrimental to the formation of organized tropical threats.
- However, as the heart of the hurricane season approaches, there are signs that tropical activity from the coast of Africa to the Caribbean could steadily increase.
- "Wind shear has dropped off in a zone from just north of the equator over the Atlantic to the Caribbean Sea this week," AccuWeather Chief On-Air Meteorologist Bernie Rayno said.
- Vast areas of wind shear, dry air and dust have been present over much of the primary development zone in the Atlantic basin this summer. A belt of strong wind shear, dry air and dust remains farther to the north over the Atlantic and will likely continue to be a deterrent for development with any system that manages to move into this zone in the days ahead.
- Farther to the south, along with lower wind shear, there are pockets of moisture present. As tropical disturbances, known as tropical waves, continue to move westward in this more moist zone with light breezes, there is development potential.
- "As a tropical wave moves westward across the Caribbean through next week, wind shear may increase, for a time, then decrease," Rayno said. "The low wind shear episodes could be enough to allow slow development," Rayno said. The best chance of development of this disturbance may be over the central and western parts of the Caribbean.



DAILY DART

WSP USA INSPECTION SERVICES DISASTER AWARENESS REPORT

August 26, 2022

1 In 1,000 Year Flooding Events

- In the last five weeks, five areas across the United States have all experienced what should have been very unlikely -- if not impossible -- one in 1,000-year flooding events.
- The most recent historic flooding event occurred in Dallas on Monday, Aug. 22, where 8 to 16 inches of rain fell over a 24-hour stretch. The heavy rain flooded buildings, submerged cars on interstates and also caused the Trinity River to swell well beyond its normal water line. All of this resulted in billions of dollars worth of damage, according to an AccuWeather estimate.
- AccuWeather Founder and CEO Dr. Joel N. Myers, who has for decades closely studied the economic impacts of extreme weather, estimated that the total damage and economic loss resulting from the catastrophic flash flooding would range between \$4.5 billion and \$6 billion.
- This flooding occurred after a 67-day dry streak in the city, and according to Allen Li, a researcher at the University of Oklahoma, this weather whiplash is not only more common due to climate change but could happen again, even multiple times over the next 1,000 years.
- "One in 1,000 [years] doesn't mean that only happened once over 1,000 years," Li told AccuWeather National Reporter Bill Wadell. It only means there's a 0.1 percent chance of it happening every year.
- On July 26, as much as 12 inches of rain fell over the St. Louis metro area, leading to swamped roadways, homes and businesses. Firefighters and emergency responders rescued hundreds, and the flooding claimed the life of at least one person. The event set an all-time record for rainfall in the area.
- Days later, flash flooding in eastern Kentucky and southwestern Virginia caused mudslides, completely washing away homes and killing dozens of people. On Aug. 1, the town of Lincoln, Illinois, near Springfield, grappled with its own flooding after it received 8 to 12 inches of rain in about 12 hours. The flooding filled the streets with water and left cars fully submerged.
- Death Valley National Park in California received nearly a year's worth of rain on Aug. 5 when the weather station located in the park measured 1.46 inches of rain. The normal yearly rainfall total there is 1.90 inches. There were no reported fatalities, but about 60 cars were buried in debris caused by the flood and about 1,000 people were left stranded.



DAILY DART

WSP USA INSPECTION SERVICES DISASTER AWARENESS REPORT

August 26, 2022

Pending Individual Assistance Declaration Request

State	Event	Date Submitted	Approved/Denied/ Pending	Number of Counties/Tribes
AS	Severe Storms, Straight-Line Winds, Flooding and Southern Swells July 12-15, 2022	8/12/2022	Pending	Entire territory

WSP USA Inspection Services Active Disasters

Disaster Number and State	Disaster Type	Number of Counties Declared	Days Since Launch	Registration Deadline
4665 MO	Severe Storms & Flooding	2 Counties/1 City	16	11/12/2021

WSP USA INSPECTION SERVICES ACTIVITY

