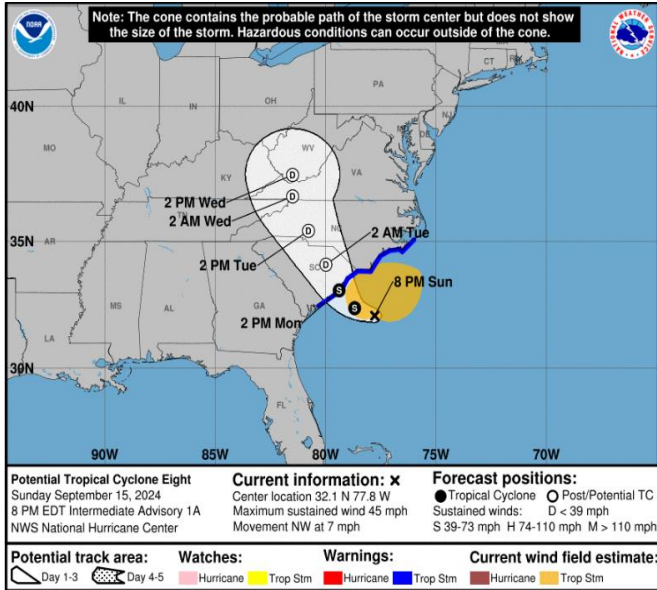




City of Charleston (SC) Emergency Management  
 Weather Intelligence Report  
 Sunday, September 15, 2024, 9:00 p.m.

BE ALERT TO WINDS ON BRIDGES TONIGHT INTO MONDAY NOON;  
 MCCLELLANVILLE LANDFALL FOR PTC8; MODERATE FLOODING MONDAY P.M.



**Summary.** Potential Tropical Cyclone 8 is predicted to make landfall around McClellanville on Monday around noon or by early afternoon, according to National Weather Service (NWS) Charleston. A Tropical Storm Warning is in effect for Charleston County and Charleston Harbor until Monday morning. A Tropical Storm Warning also is in effect for inland and tidal Berkeley County. That said, the following hazards and impacts are expected for the city of Charleston and nearby jurisdictions, according to NWS Charleston. Conditions, timing, and impacts are subject to change.

**Winds.** For the city of Charleston and Goose Creek, expect the following wind speeds:

- **Tonight:** Breezy conditions with 20 mph maximum sustained and gusts around 30 mph.
- **Monday during the day.** Sustained winds of 15-20 mph with gusts around 25 mph.

**Important:** The key hazard to watch for overnight and through noon tomorrow are higher and noticeably stronger winds on bridges. In Awendaw and McClellanville, winds may be 3-5 mph stronger than noted above.

**High tide and rainfall. Traffic disruptions from elevated high tides may occur.** High tide and rainfall values are noted below, with additional days to be added later. Tide values take surge into account. *There is a chance that these levels may be adjusted downward overnight.*

Day	A.M. High Tide	P.M. High Tide	Rainfall overnight through Monday noon
Mon. (16)	6:46 a.m., 7.0 feet	7:23 p.m., <b>7.5 feet</b>	0.25-0.5"
Tues. (17)	7:40 a.m., 7.0 feet	8:12 p.m., 7.2 feet	rain unlikely
Weds. (18)	8:33 a.m., 6.9 feet	9:02 p.m., TBD	rain unlikely

From tonight into Monday noon, the following rain amounts are forecast, according to NWS Charleston:

- City of Charleston—0.25-0.5"
- Goose Creek—0.25-0.5"
- Moncks Corner—0.5"
- Awendaw—1"

For the city of Charleston, little to no rainfall is expected on Monday afternoon.

**Remainder of the week.** Expect minor to moderate flooding from high tides into next weekend.

**Advisories/Watches/Warnings.** A Tropical Storm Warning is in effect for Charleston County and Charleston Harbor until Monday morning. A Tropical Storm Warning also is in effect for inland and tidal Berkeley County. Coastal Flood Advisories are likely.

**Take action.** This forecast should inform your department's operations and the safety of the public and city staff. Plan for conditions and impacts that may become worse than projected. Supervisors may disseminate this report to city staff.

**Updates/Tide-eye/Road closures.** Emergency Management will update reporting as necessary. Follow current and forecast conditions at the city's Tide-eye app: <https://gis.charleston-sc.gov/tideeye/>. Follow road closures here: <https://gis.charleston-sc.gov/road-closures-regional/>