



Tropical Storm Beryl Briefing

NEW Key Points

- All of South Texas should be preparing for a hurricane. Beryl is expected to make landfall Monday morning somewhere near or along the Coastal Bend as a Category 1 Hurricane, though plan for a Category 2 Hurricane.
- Hurricane and Storm Surge Watch now in effect for most of the Texas Coast
- 3 to 5 Foot Storm Surge Possible
- 5-10 inches of rain, isolated amounts to 15 inches
- Earliest reasonable time of arrival of TS force winds is late Sunday evening. Most likely time is late Sunday night.





Tropical Storm Beryl Briefing

NEW Key Points Continued

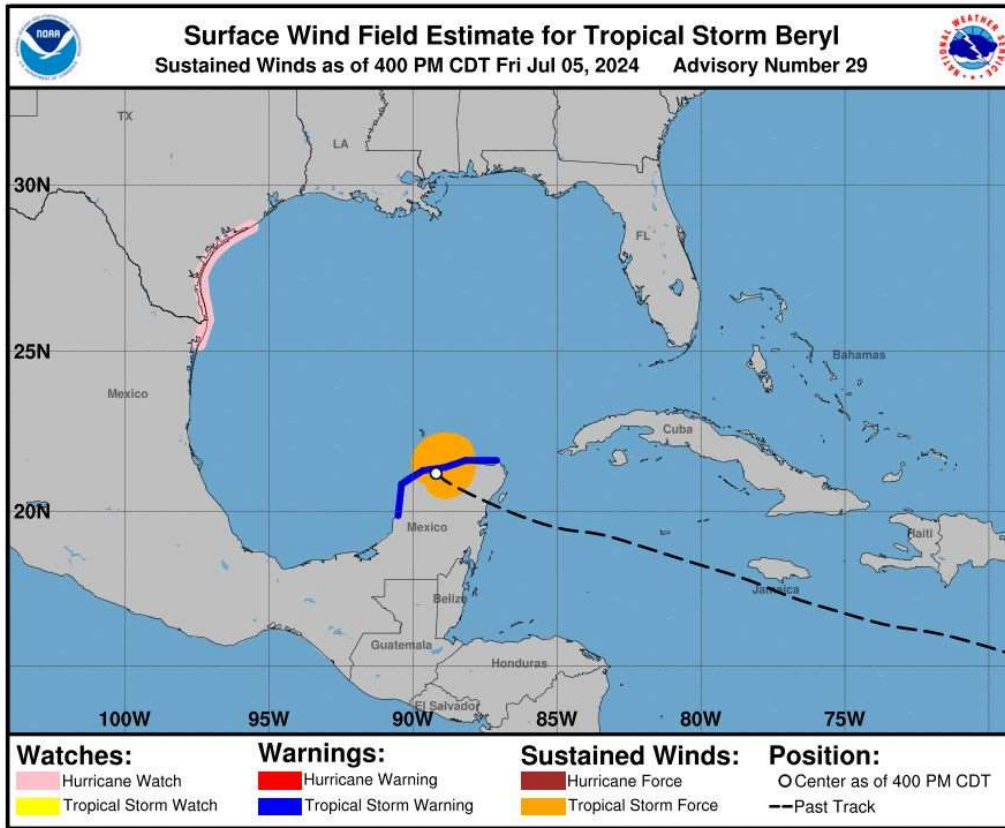
- ➔ Dangerous rip currents/tidal runoff along the coast will continue through the Holiday Weekend. Storm Surge and Seas will begin to increase Sunday night and continue through Monday.
 - ◆ Dangerous swimming conditions throughout the Holiday weekend!
- ➔ Potential for widespread heavy rain, especially Sunday night and Monday. Flash flood and river flood threat continues to increase, mainly across the Coastal Bend, Coastal Plains, and Victoria Crossroads.
 - ◆ Threat for isolated tornadoes exists as well.





Situation Overview

Tropical Storm Beryl



- Located over the Yucatan Peninsula and moving WNW at 15 mph.
- Currently a Tropical Storm with 65 mph sustained winds.
- Tropical Storm Force Winds extend 105 miles from the center.

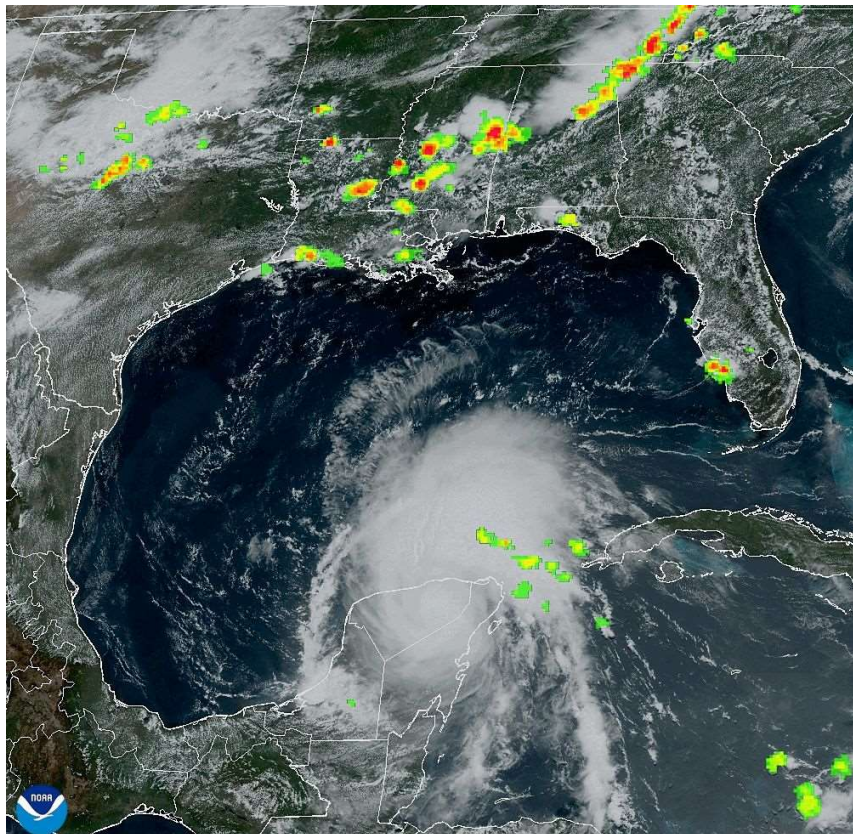




Current Satellite View

July 5, 2024
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Tropical Storm Beryl



05 Jul 2024 17:11 NOAA/NESDIS/STAR GOES-East GLM FED over ABI 17:06 Geocolor

Beryl is crossing the Yucatan Peninsula now as a Tropical Storm.

It will then strengthen again into at least a Category 1 hurricane before making landfall in Texas somewhere near or along the Coastal Bend.



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Risk Outlook for South Texas

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Tropical Storm Beryl

	Friday, Jul 5	Saturday, Jul 6	Sunday, Jul 7	Monday, Jul 8	Tuesday, Jul 9	Wednesday, Jul 10	Thursday, Jul 11
Coastal Plains			Periods of Heavy Rain & Strong Winds Sunday Night Flash Flooding Poss.	Heavy Rain & Damaging Winds Poss. Flash & River Flooding Isolated Tornadoes	Lingering Periods of Heavy Rain River Flooding Poss.		
Coastal Bend			Periods of Heavy Rain & TS Force Winds Poss. Sunday Night Flash Flooding Poss.	Heavy Rain & Damaging Winds Poss. Flash & River Flooding Isolated Tornadoes	Lingering Periods of Heavy Rain River Flooding Poss.		
Victoria Crossroads			Periods of Heavy Rain & TS Force Winds Poss. Sunday Night Flash Flooding Poss.	Heavy Rain & Damaging Winds Poss. Flash & River Flooding Isolated Tornadoes	Lingering Periods of Heavy Rain River Flooding Poss.		
Brush Country			Outer rainbands may move in late Sunday Night with Heavy Rain	Periods of Heavy Rain & Gusty Winds Poss.	Lingering Periods of Heavy Rain		
Marine	Increased Swells Rip Currents	Increasing Seas Late Rip Currents	10-13 Foot Seas Rip Currents	6-8 Foot Seas Rip Currents	Seas Decreasing to < 5 Feet Rip Currents		

Risk Levels

Little to None

Minor

Moderate

Major

Extreme



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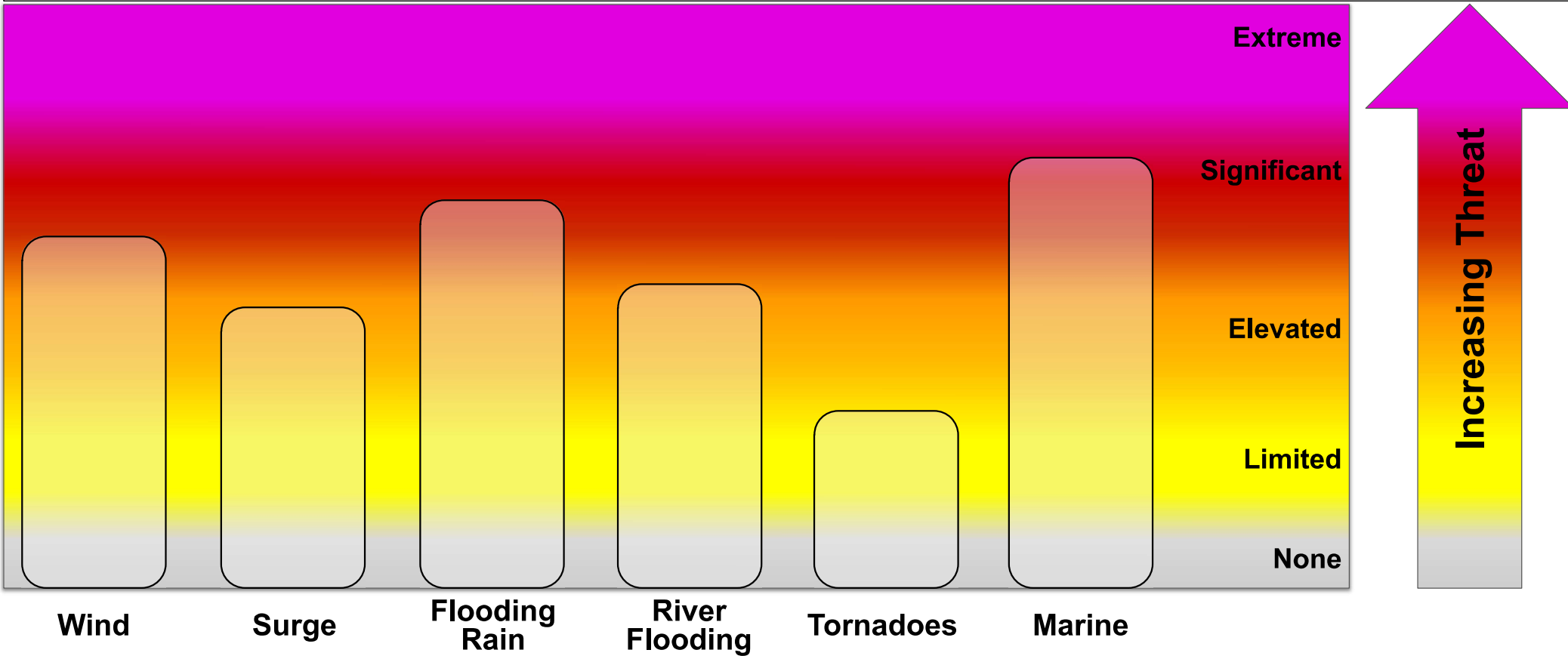


Threat Levels

Tropical Storm Beryl

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For information on specific hazards in this area, please go to: <https://www.weather.gov/srh/tropical?office=crp>



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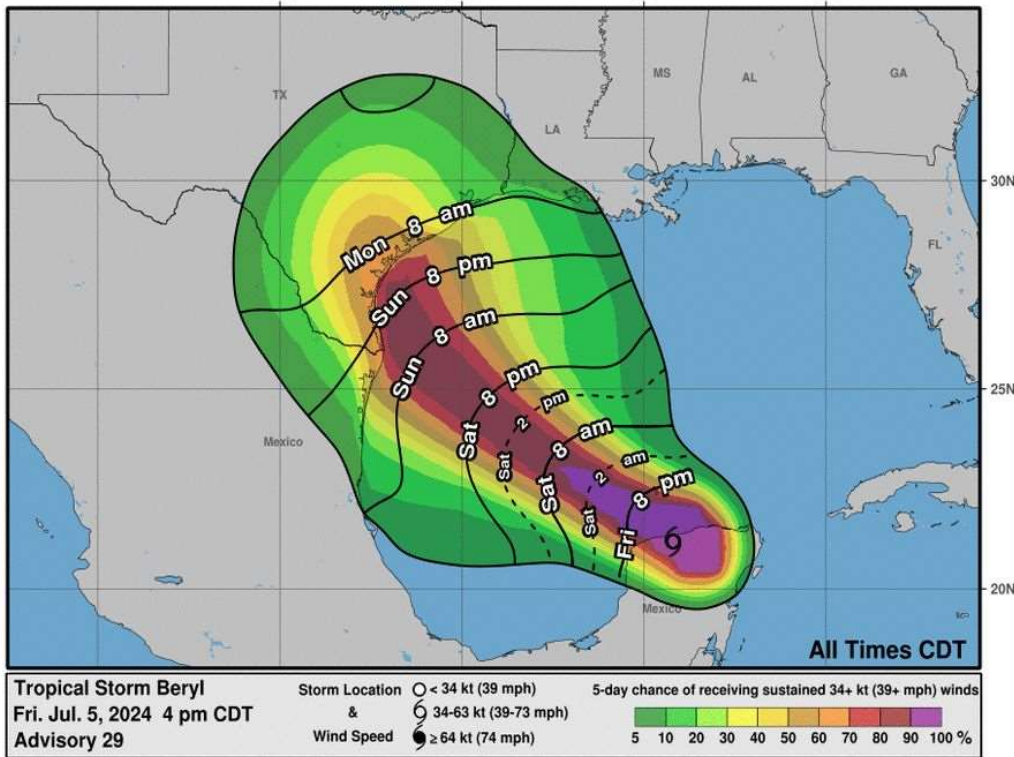


Most Likely Time of Arrival of TS Force Winds

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Tropical Storm Beryl

Most Likely Arrival Time of Tropical-Storm-Force Winds



- The most likely time of arrival of Tropical Storm Force Winds for the South Texas Coast is late Sunday night.
- However, this area could see Tropical Storm Force Winds as early as Sunday evening.





Tropical Storm Wind Speed Probabilities

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Tropical Storm Beryl



Chance of Tropical Storm Force Winds

- Chances range from 35-60% across the region at this time. Expect these probabilities to continue to increase as the storm gets closer to making landfall.

Probability of Tropical Storm Force Winds

- Matagorda: 54% (*Increasing*)
- Port O'Connor: 61% (*Increasing*)
- Rockport: 49% (*Increasing*)
- Corpus Christi: 49% (*Increasing*)
- McCallen: 33% (*Decreasing*)

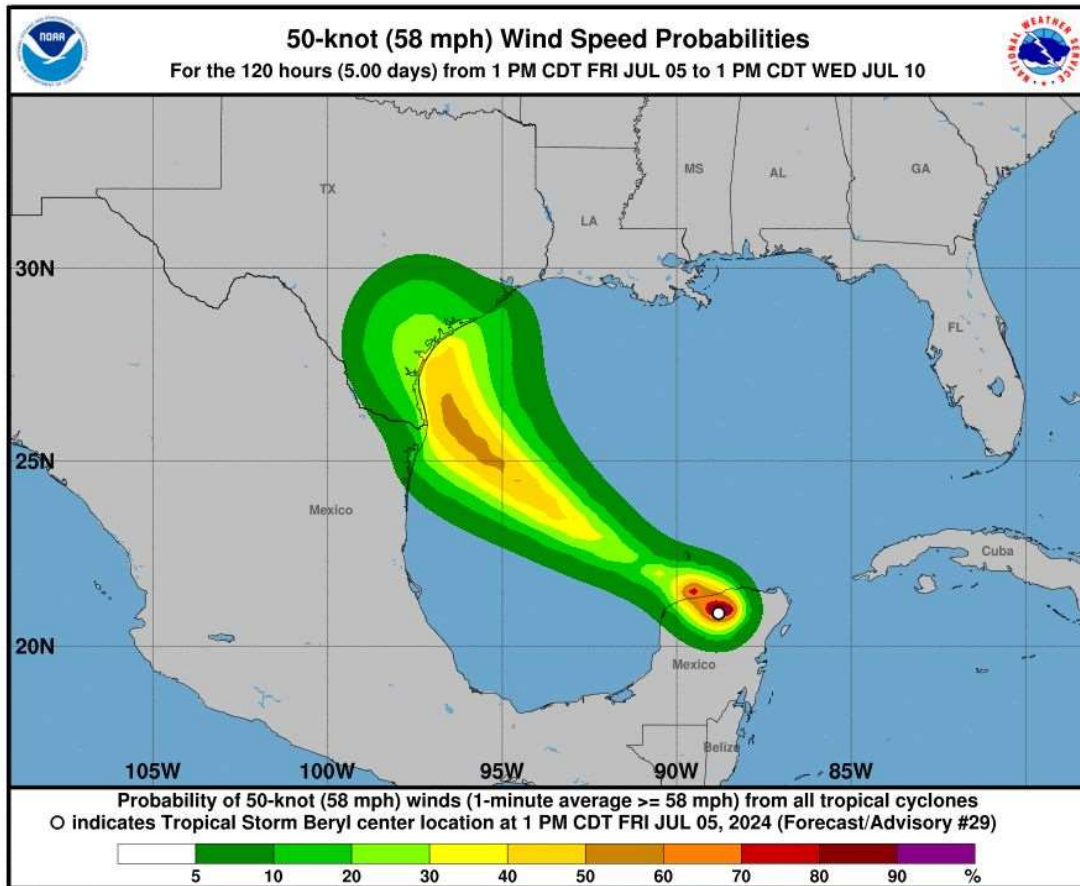




50 Knot Wind Speed Probabilities

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Tropical Storm Beryl



Chance of 50 knot (58 mph) Winds

- Chances range from ~10-25% across the region at this time. Expect these probabilities to continue to increase as the storm gets closer to making landfall.

Probability of 50 knot (58 mph) Winds

- Matagorda: 20% (*Increasing*)
- Port O'Connor: 26% (*Increasing*)
- Rockport: 17% (*Increasing*)
- Corpus Christi: 17% (*Increasing*)
- McCallen: 7% (*Decreasing*)



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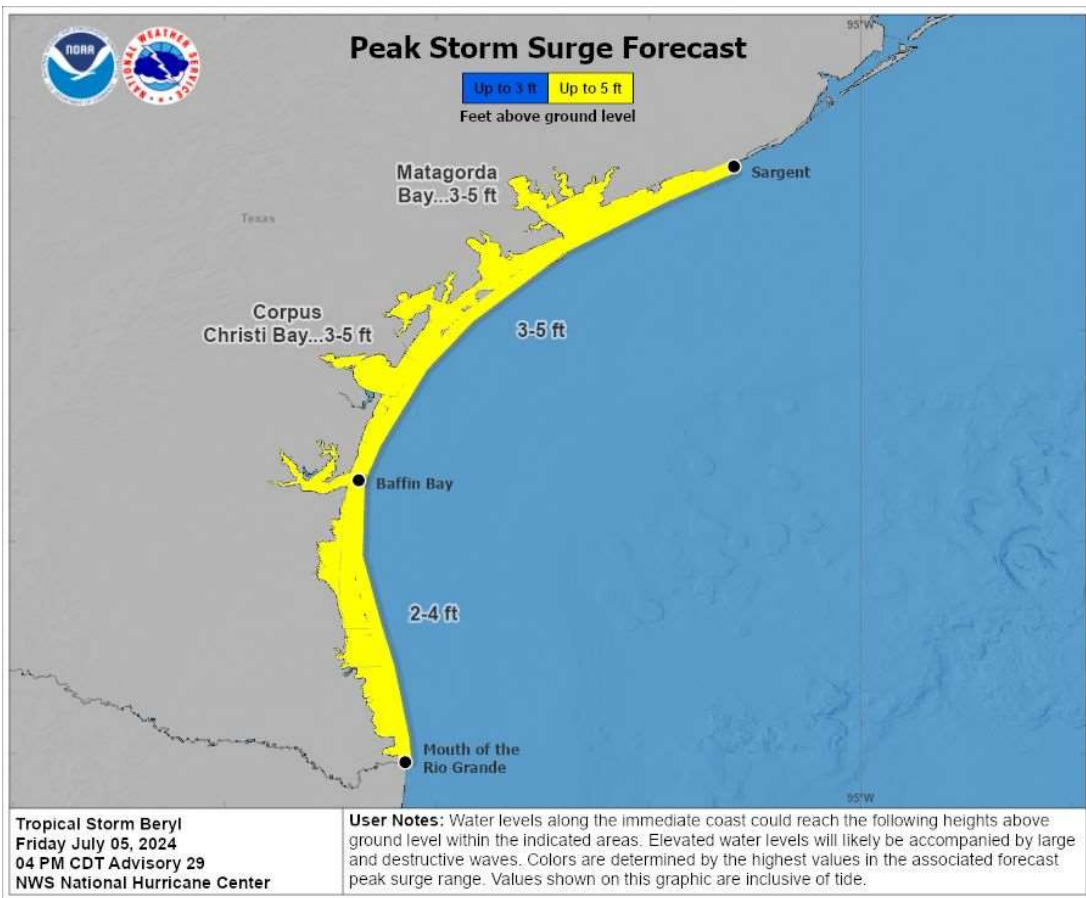
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Peak Storm Surge Expected

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Tropical Storm Beryl



Storm Surge Watch is in effect.

3 to 5 feet of inundation expected.

Impacts

- Significant beach/dune erosion
- Coastal/access roads flooded
- North Beach and other low-lying coastal areas inundated



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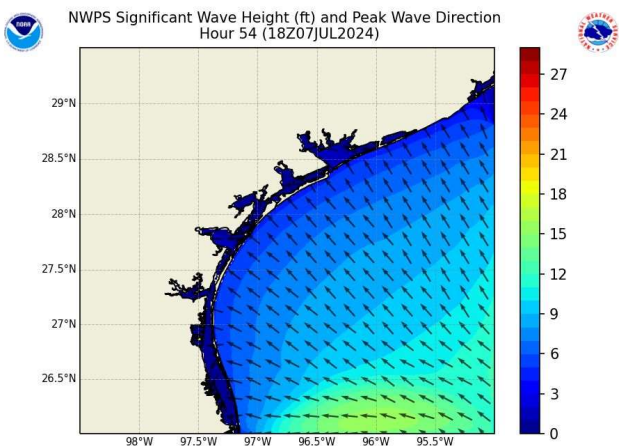


Wave Height Forecast

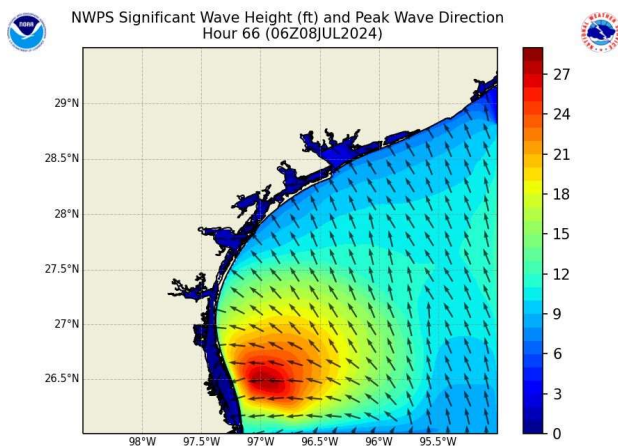
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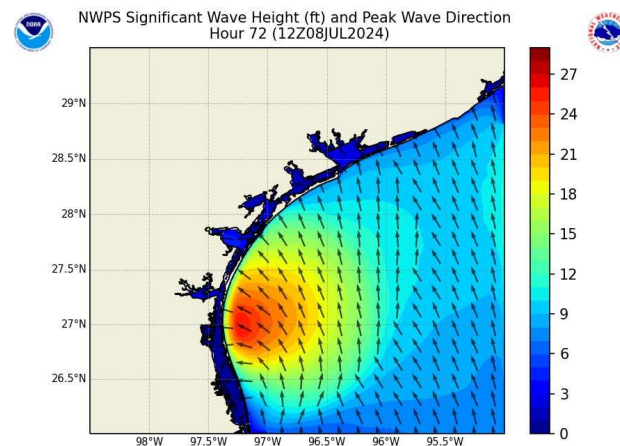
1 PM Sunday



1 AM Monday



7 AM Monday



- Wave heights are expected to peak offshore between 14 to 19 feet, occasionally up to 24 feet, Sunday night and Monday morning and nearshore 10 to 14 feet.
- Nearshore waves drop below 6 feet by Monday Night.



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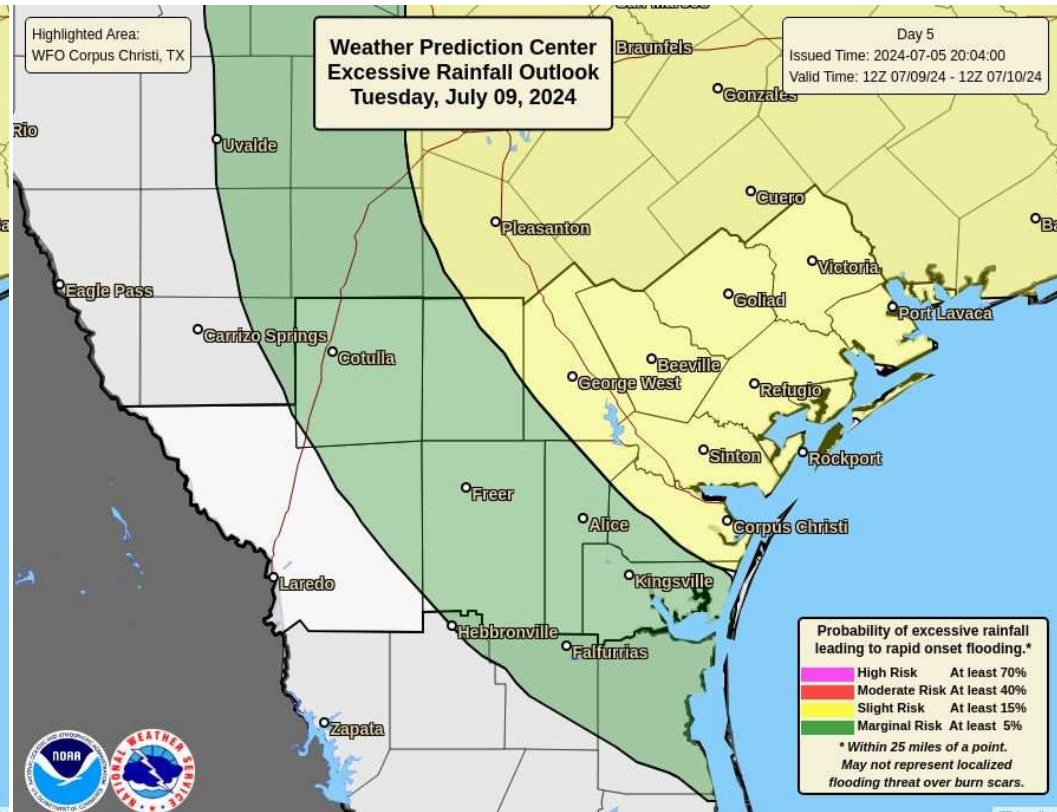
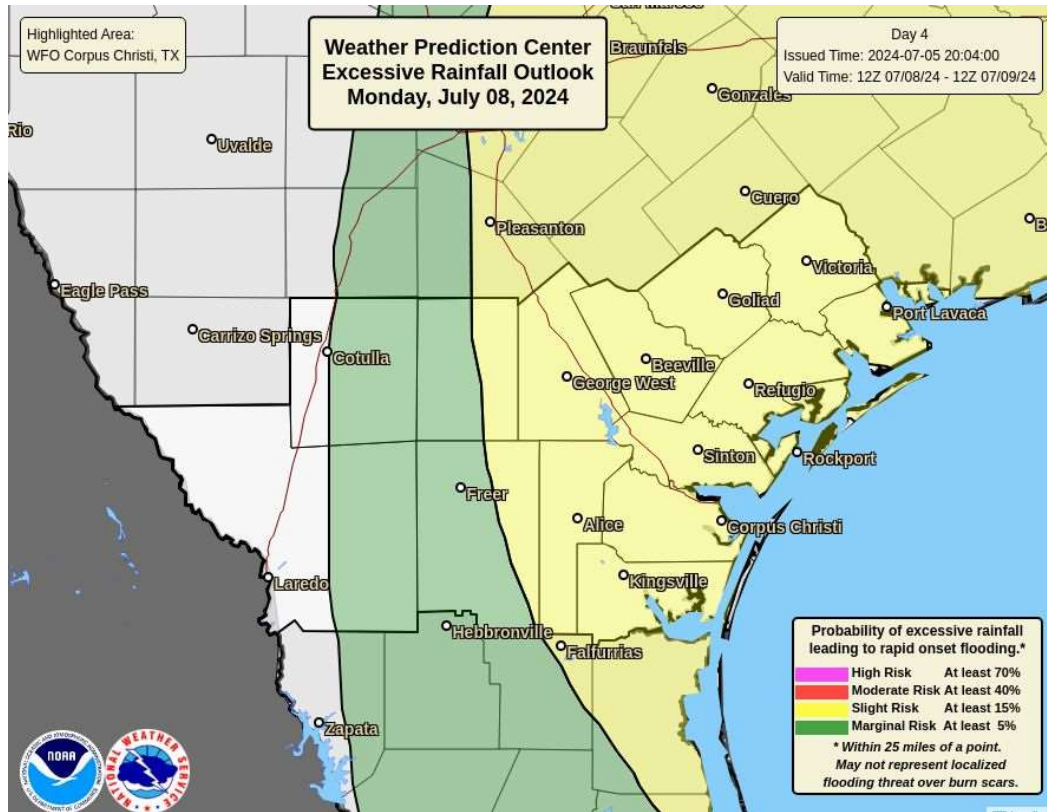
Excessive Rainfall Outlook

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Marginal Risk of Excessive Rain Exists for Sunday as well

Monday and Monday Night

Tuesday and Tuesday Night

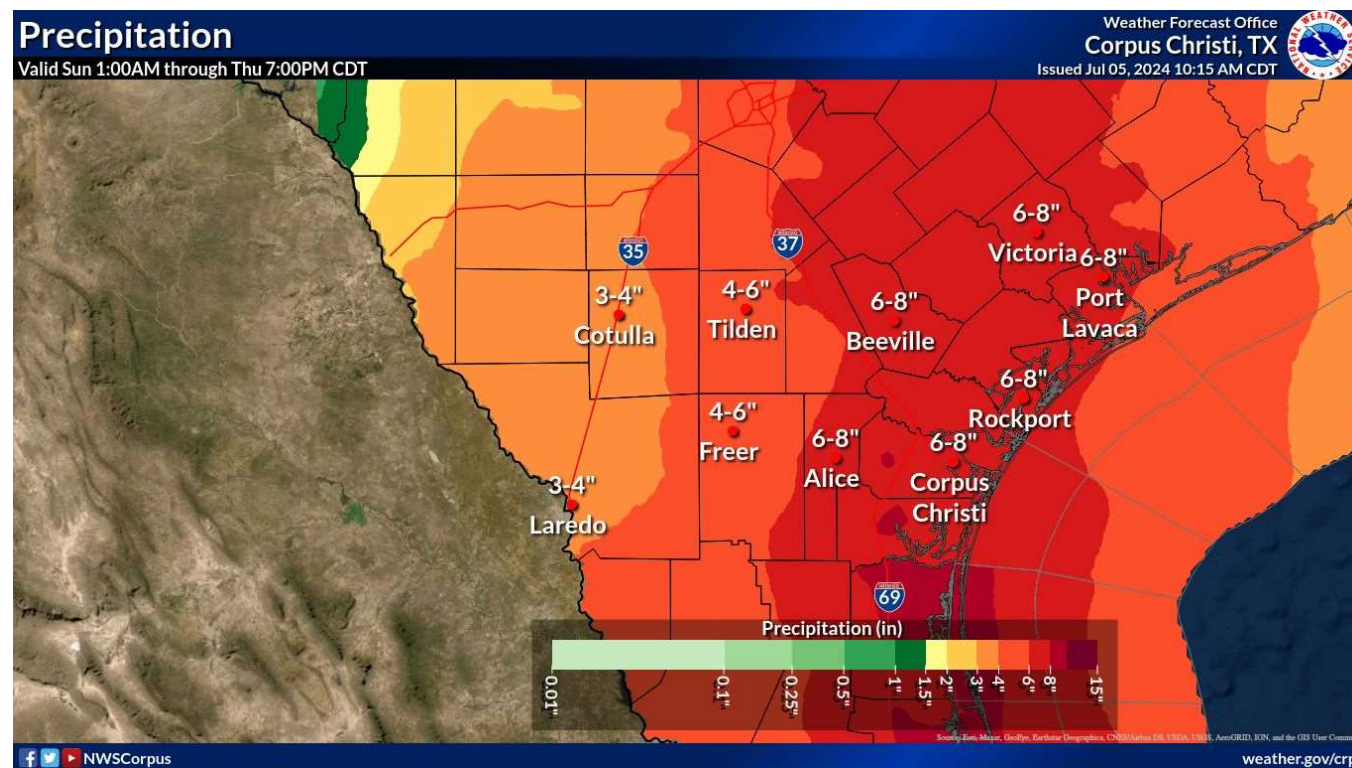




Widespread Heavy Rain Expected

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Tropical Storm Beryl



- Sunday night through Tuesday looks to be the best time period for the heaviest rain.
- High uncertainty in the exact amounts of rain and the locations that will see the heaviest rain.
 - A slight shift in the expected track could significantly affect where Beryl makes landfall and thus where the heaviest rain falls.



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Tornado Threat - Limited

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Be Safe And Prepare For These Potential Conditions



Isolated tornadoes can hinder emergency plans during tropical events.

A few places may experience...

- Tornado damage
- Power & communications disruptions

Examples of potential damage:

- Roofs peeled off
- Mobile homes pushed off foundations or overturned
- Tree tops and branches snapped



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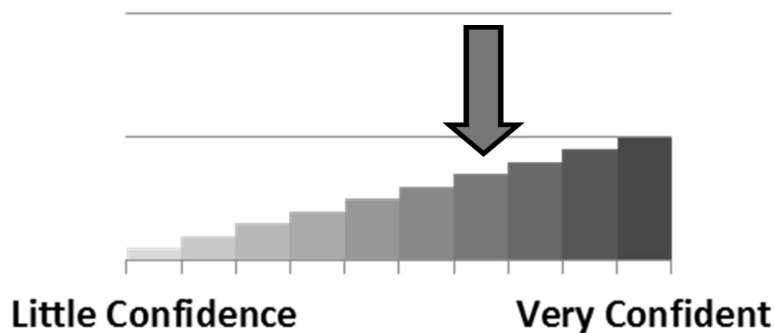
Key Take-Aways

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Tropical Storm Beryl

- All of South Texas should be preparing for a Cat 2 Hurricane (currently expected to be a Cat 1 at landfall).
- Hurricane and Storm Surge Watch issued. Landfall expected near or along the Coastal Bend Monday.
- Earliest reasonable arrival of TS force winds is Sunday evening and the most likely time is late Sunday night.
- Increase in rip current risk/tidal runup now through the Holiday Weekend.
- 3 to 5 feet of storm surge possible.
- 5-10" of rain, isolated 15" may lead to flash flooding and river flooding, especially across the Coastal Bend, Coastal Plains, and Victoria Crossroads. Risk for isolated tornadoes Sunday night through Monday.

Forecast Confidence



There is medium confidence in the track and intensity of Beryl, though a small shift in direction can make a large difference on the location of landfall.

There is moderate to high confidence in dangerous rip currents, significant wave heights, and widespread heavy rain that could lead to flash and river flooding.





Local Resources

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Tropical Storm Beryl

Next Briefing:

11:00 AM

Saturday, July 6th



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