



Tropical Storm Beryl Briefing

5:00 AM

Saturday, July 6th, 2024

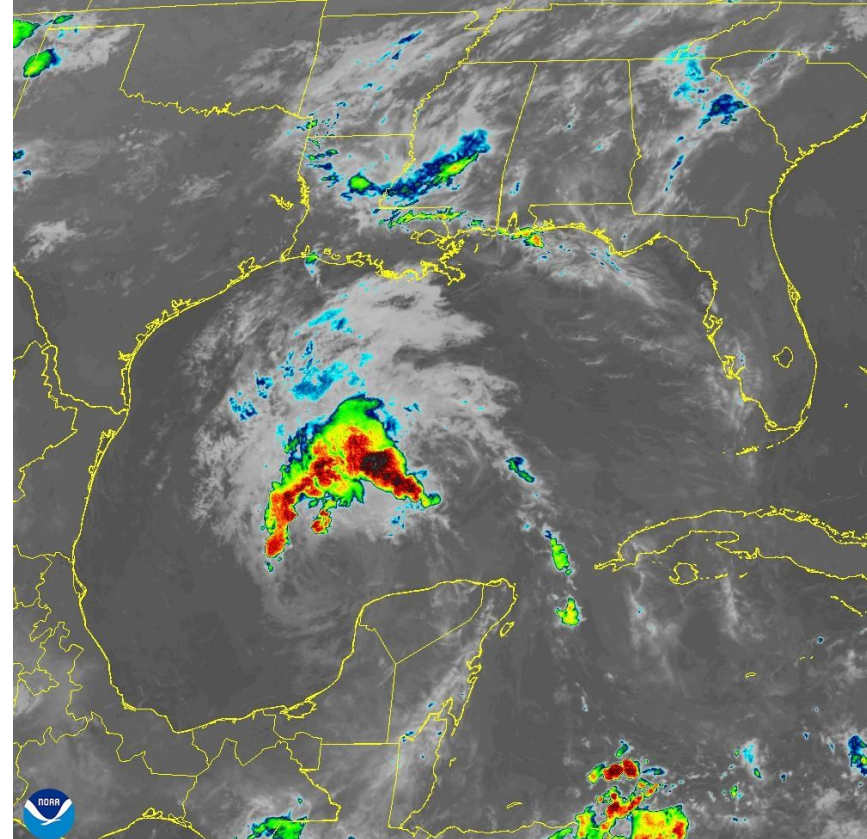
NWS Houston/Galveston



Situation Overview

Beryl

- Track forecast for Beryl remained steady this morning and still looks to make a mid TX coast landfall.
- A Hurricane Watch remains in effect from northern Mexico through San Luis Pass, TX.
- A Storm Surge Watch remains in effect from the Mouth of the Rio Grande to Bolivar Peninsula, TX.
- Winds to hurricane force and storm surge values of 3 to 5 feet will be possible in the watch areas.
- Additional watches and possible warnings may be issued farther up the coast and inland with later advisories.
- Rainfall amounts of 5 to 10 inches are expected with local amounts up to 15 inches, where the heaviest rainfall leading to a flood threat.
- Rip currents, elevated tides and seas are likely across all coastal areas even outside watch areas.



06 Jul 2024 08:36Z - NOAA/NESDIS/STAR - GOES-East - Band 07 - GM

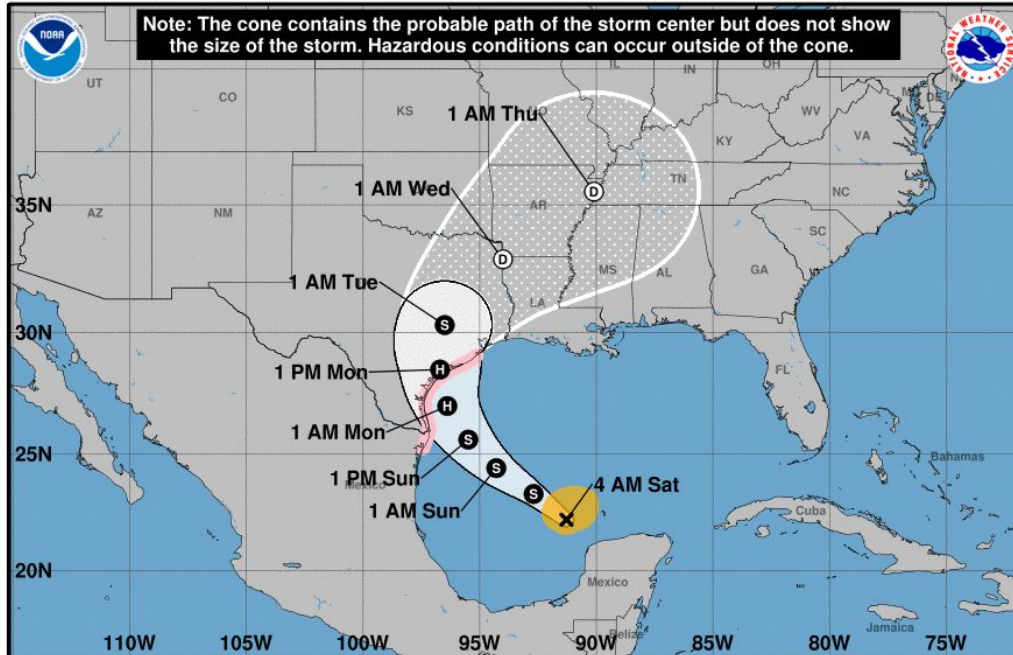


Tropical Storm Beryl

Beryl



Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.



Tropical Storm Beryl
 Saturday July 06, 2024
 4 AM CDT Advisory 31
 NWS National Hurricane Center

Current information: X
 Center location 22.2 N 91.3 W
 Maximum sustained wind 60 mph
 Movement WNW at 12 mph

Forecast positions:
 ● Tropical Cyclone ○ Post/Potential TC
 Sustained winds: D < 39 mph
 S 39-73 mph H 74-110 mph M > 110 mph

Potential track area: Day 1-3 (white), Day 4-5 (dotted)
Watches: Hurricane (pink), Trop Stm (yellow)
Warnings: Hurricane (red), Trop Stm (blue)
Current wind field estimate: Hurricane (brown), Trop Stm (orange)

- NHC forecast brings Beryl into the Mid Texas Coast on Monday as a hurricane, then tracks more north to northeast as a weakening tropical storm.
- Additional slight shifts in the forecast are possible.
- Impacts, intensity will be highly dependent on track.
- Hurricane Watch area shown (in pink).
- Stay tuned for updates as watches could be expanded, could become warnings.

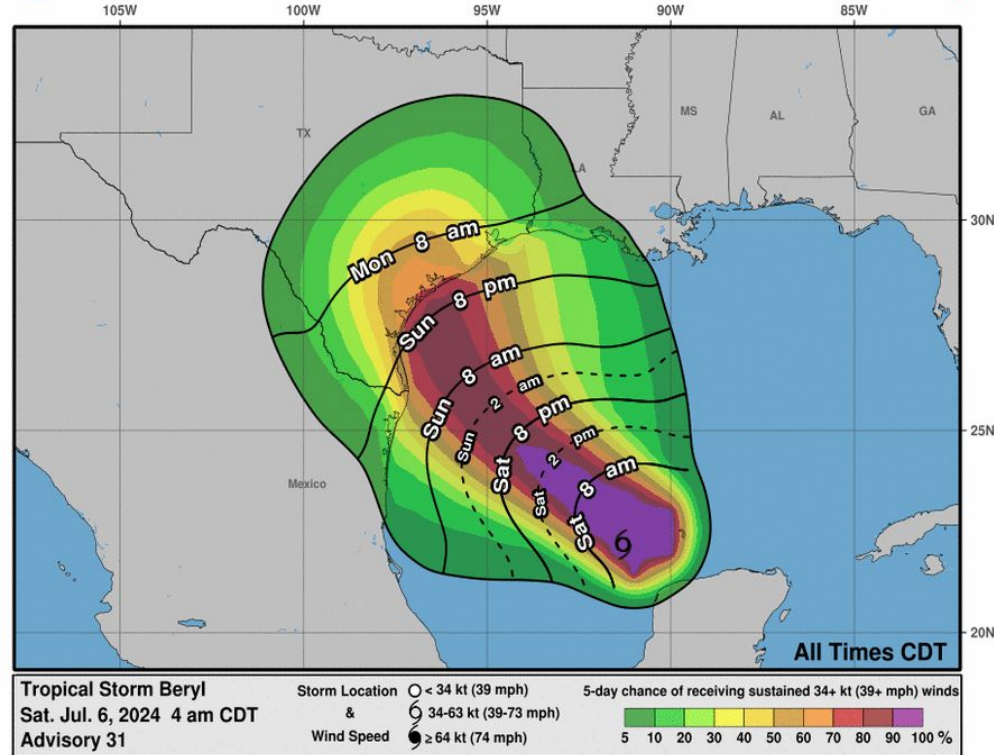


Most Likely Time of Arrival

Beryl



Most Likely Arrival Time of Tropical-Storm-Force Winds



- The most likely time of arrival of Tropical Storm Force Winds is Sunday night/early Monday morning.
- Note the higher point probabilities continue to be in and around the Matagorda Bay.

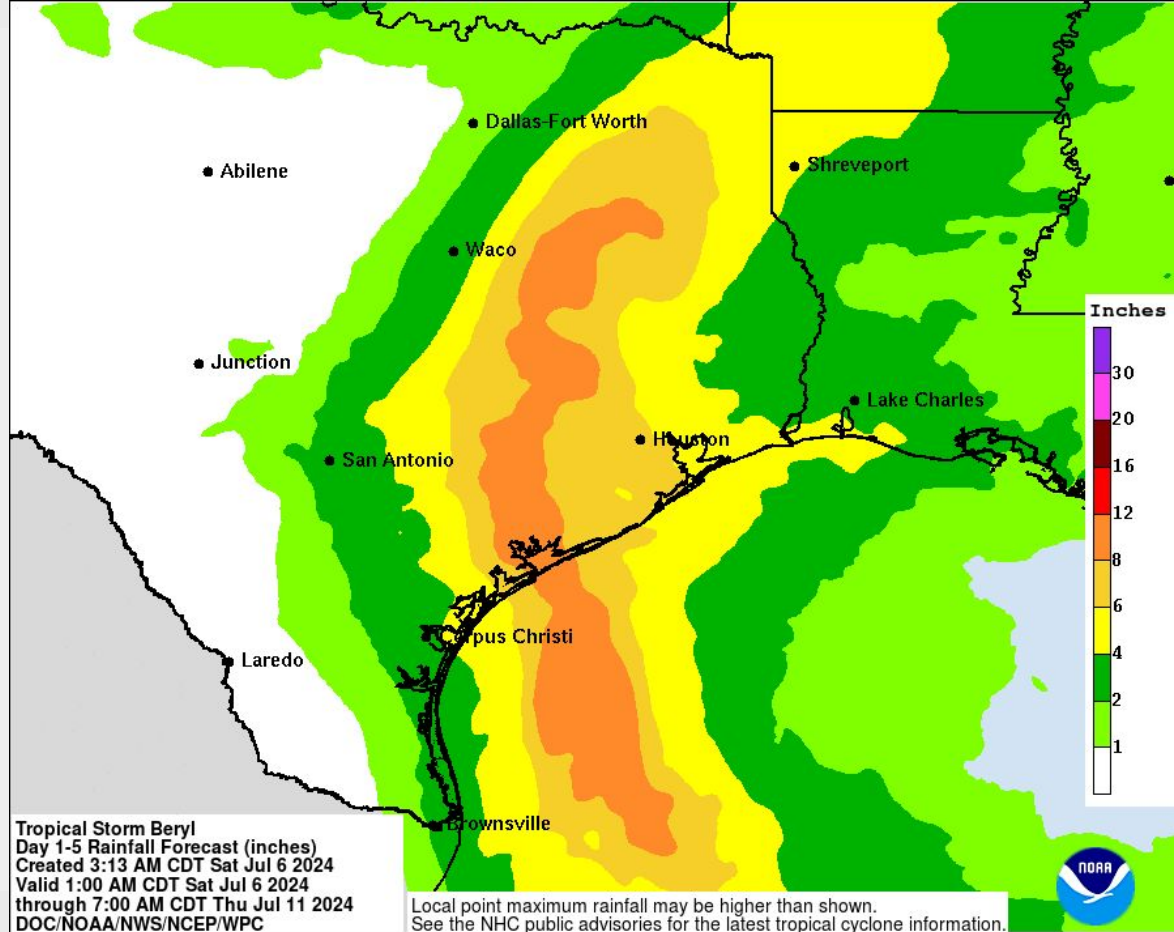


Rainfall Forecast

Beryl

Storm total rainfall amounts of 5 to 10 inches with localized amounts of 15 inches are expected.

The location of the heavier bands will be highly dependent on track (which is uncertain).

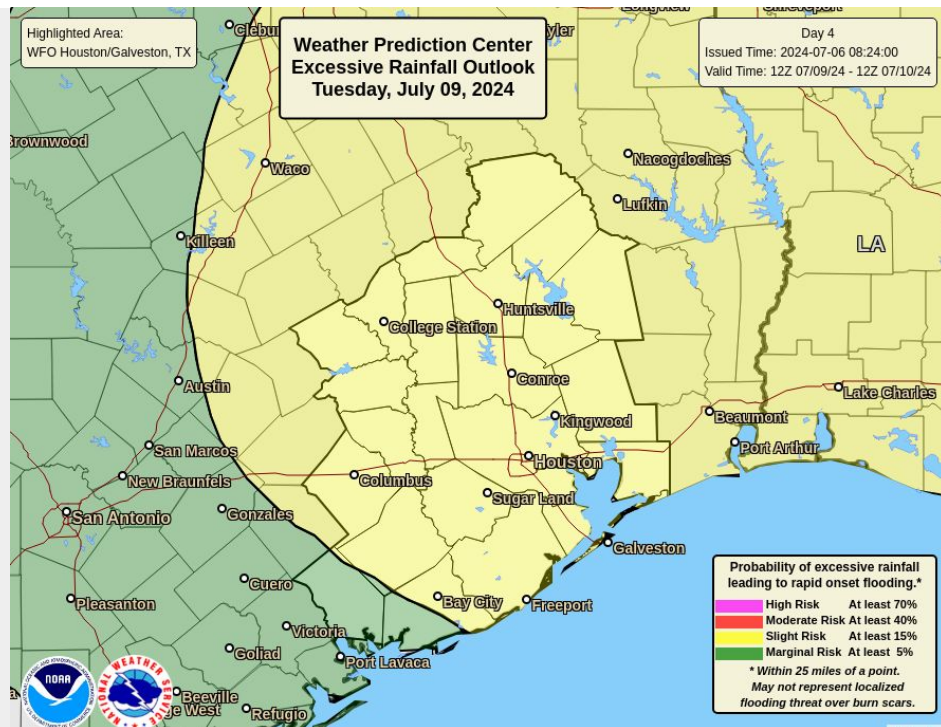
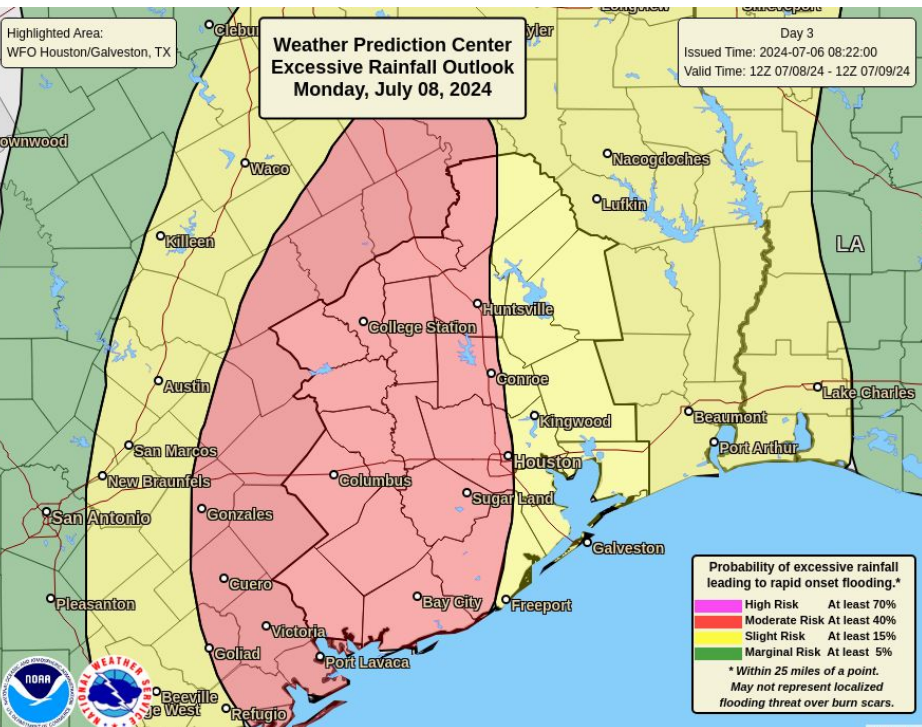




Excessive Rainfall Outlook

Beryl

Main heavy rain/flash flood threat will be late Sunday night through Tuesday. Highest risk currently rated as Moderate.

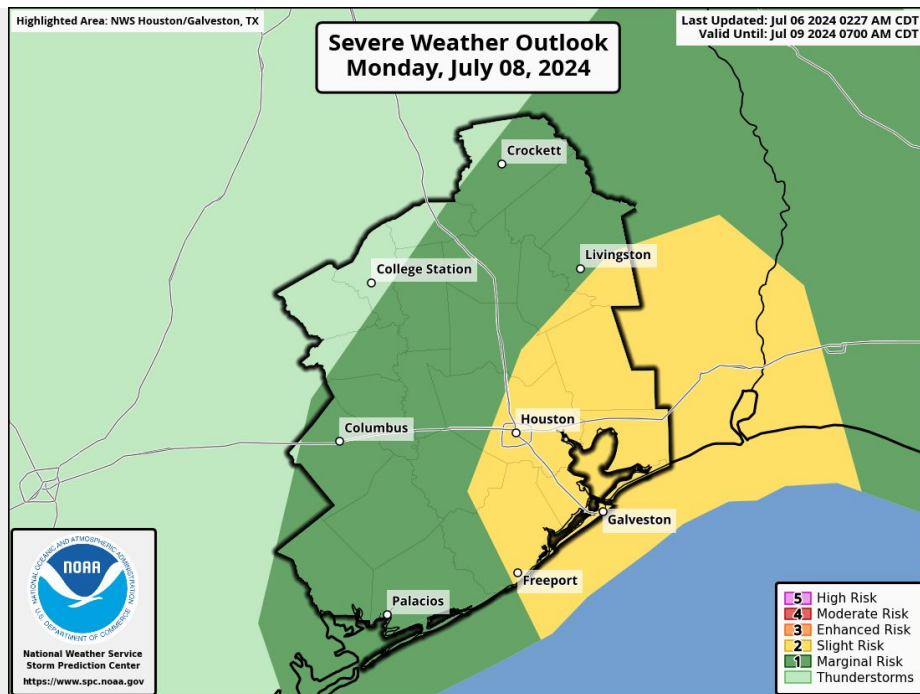
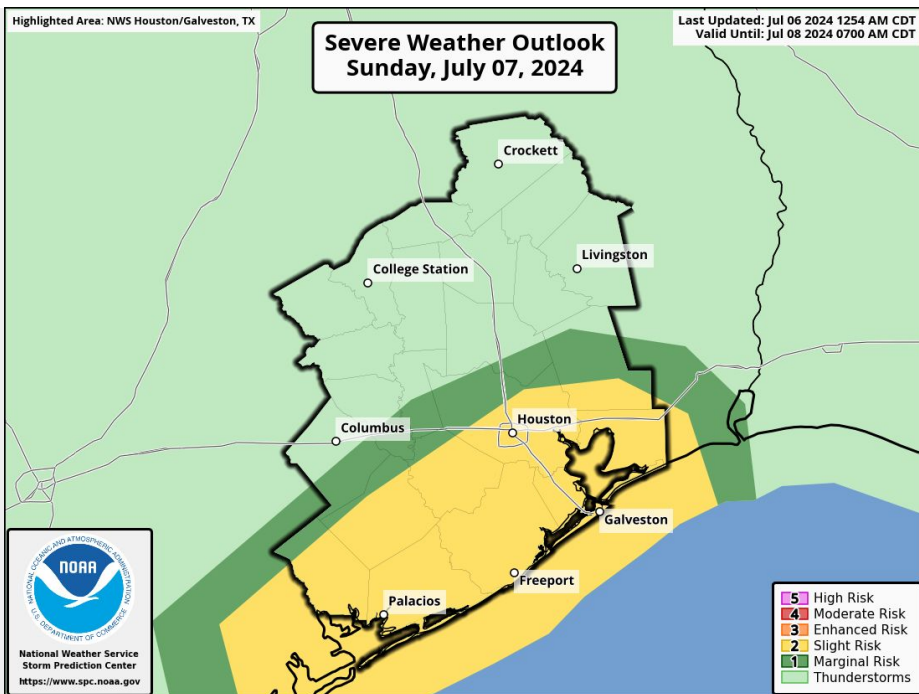




Severe Weather Outlook

Beryl

There are Marginal to Slight Risks of tornadoes on Sunday and Monday.

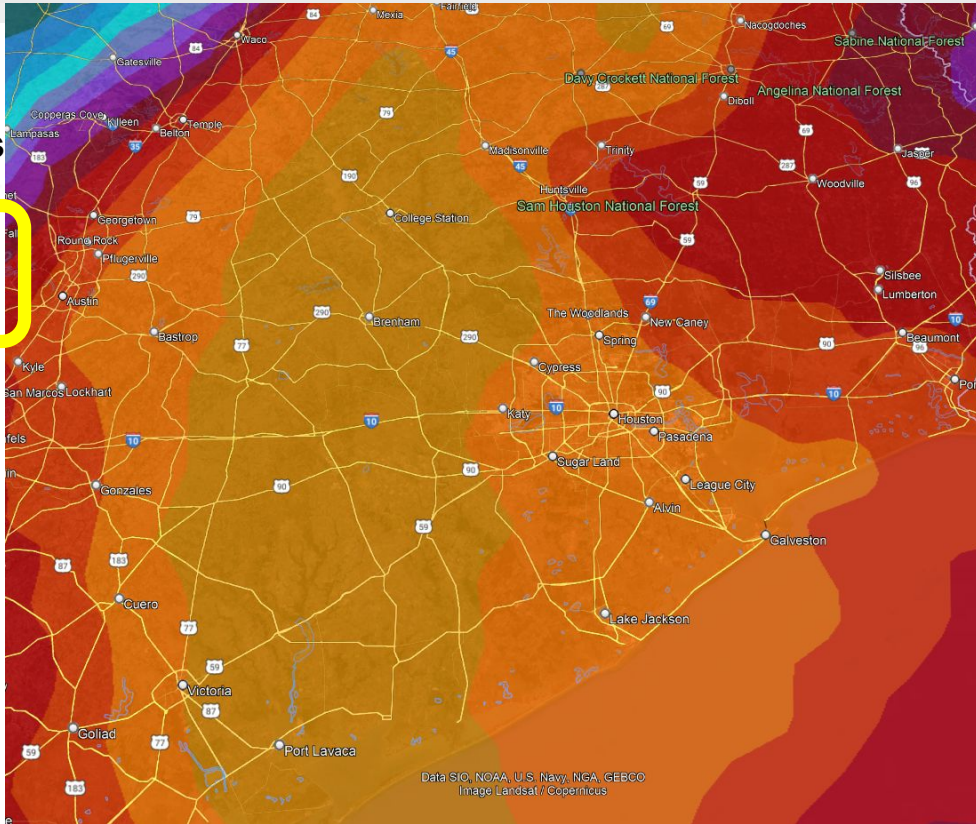
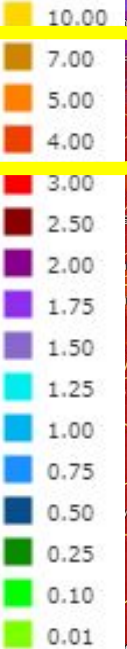




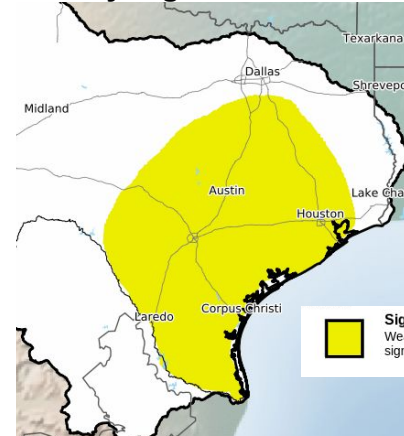
7 Day Forecast Rainfall (WGRFC)

Beryl

7 Day
QPF
Inches



- Confidence continues to increase in the expected **IMPACTS**
- Area rivers and lakes in the area of expected heaviest rainfall will respond, watch for river flooding
- 5 Day Significant River Flood Outlook

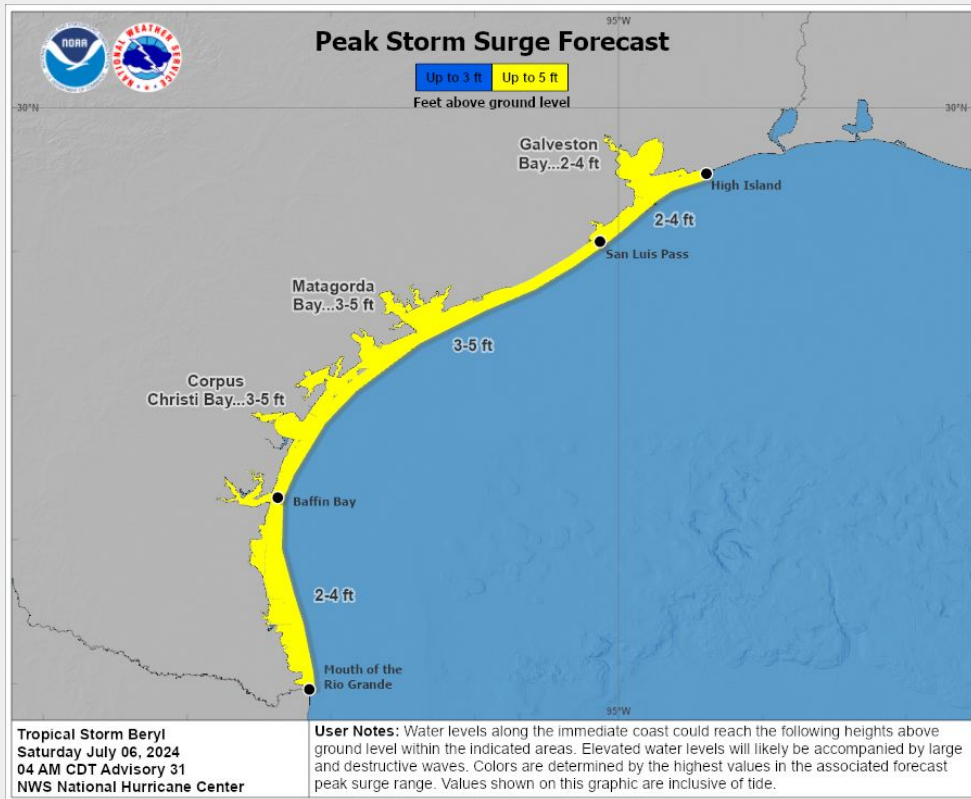


Significant River Flooding Possible
Weather conditions indicate, without certainty that significant river flooding could occur



Peak Surge (Height Above Normally Dry Ground)

Beryl



- Peak surge 3 to 5 feet above ground level (above MHHW) in yellow shaded area where a Storm Surge Watch is in effect.
- Storm surge levels more uncertain farther up the coast, will again depend on track of the storm.
- Additional changes to surge values can occur during upcoming advisories.



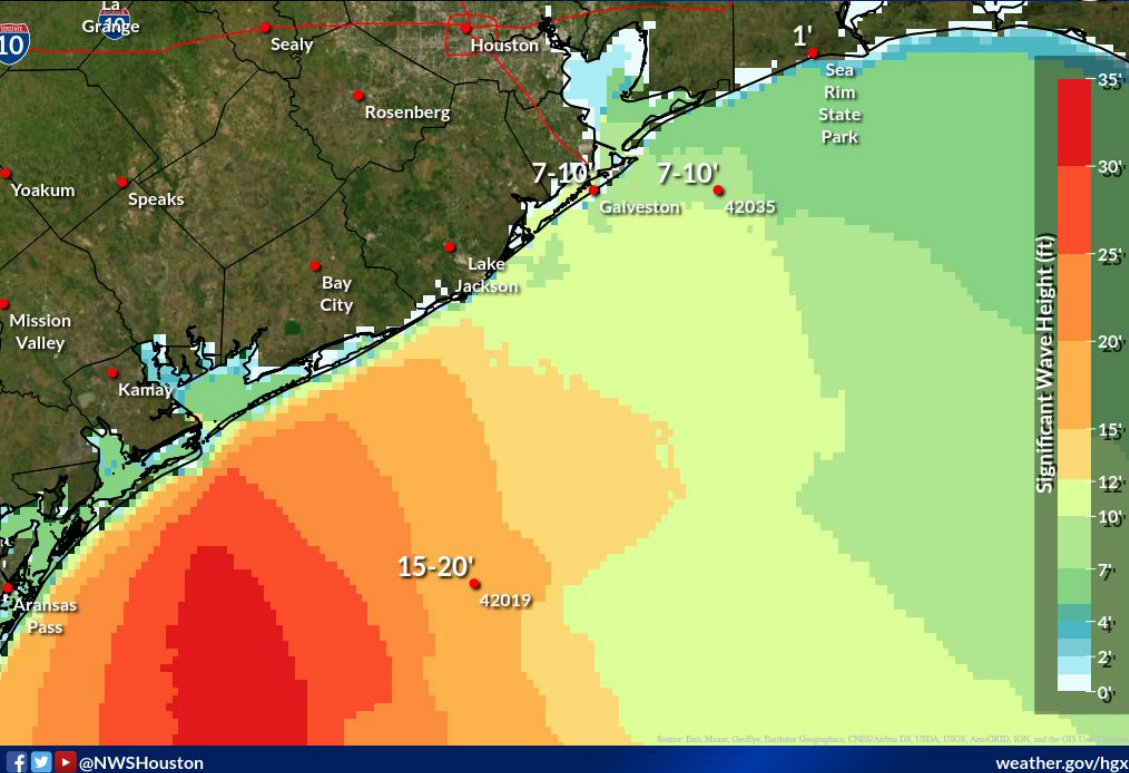
Wave Heights

Beryl

Peak Seas from Beryl

Maximum Significant Wave Height Forecast

Weather Forecast Office
Houston/Galveston TX
Issued Jul 06, 2024 5:07 AM CDT



Maximum Wave heights are forecasted to be generally around 15 to 20 feet, but could be higher closer to Beryl's center of circulation.

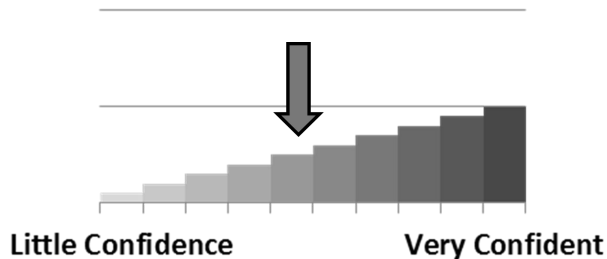


Key Take-Aways

Beryl

- There was little change in the track and intensity forecast for Beryl overnight.
- A Hurricane Watch remains in effect from northeast Mexico to San Luis Pass, TX.
- A Storm Surge Watch remains in effect from the Mouth of the Rio Grande to Bolivar Peninsula, TX.
- Hurricane force winds and storm surge of 3 to 5 feet will be possible in the watch areas.
- Additional watches and warnings may be issued farther up the coast with later advisories.
- Rainfall amounts of 5 to 10 inches are expected with local amounts up to 15 inches where the heaviest rain falls...leading to a flood threat (flash and river).
- Rip currents, elevated tides and seas are likely across all coastal areas even outside watch areas.

Forecast Confidence



Still relatively low confidence in track and intensity with Beryl but confidence is increasing. Forecast should stabilize soon but more forecast changes are possible in the meantime. Areas not in watch areas may still be impacted. Stay tuned for updates!



Local Resources


Beryl

Next Briefing:
around 11:00 AM CDT
Method: Webinar/Email

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 **E-mail:** sr-hgx.nws@noaa.gov

 **Facebook:** facebook.com/NWSHouston/

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