

TROPICAL UPDATE



11:00 AM EDT Tuesday, September 15, 2020 Hurricane Sally Update

This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office, or visit the National Hurricane Center website at www.hurricanes.gov.



Hurricane Sally

11 AM ET Tuesday: Florida Threats & Changes Since Last Packet





Overview/Recent Changes:

There was another small shift east in the track but forecasted impacts do no change. Tropical Storm Warnings were extended through the inland counties of the Florida Panhandle. Wind and storm surge impacts will increase throughout the day along with the tornado threat. ****A significant, potentially historic rainfall event is setting up for the Florida Panhandle.**** Widespread 10-20" of rain likely, locally 30" west of Panama City.

Current Florida Radar

As of 11:00 AM ET / 10:00 AM CT

Minimal wind gusts, lattiesburg mostly light to moderate rainfall 35-50mph gusts 70mph+ Port Saint Lucie West Palm Beach Fort Lauderdale

Steady rainfall from Sally is inland across the Big Bend and Panhandle with light.

Strong rain bands with isolated tornadoes, gusty winds, and heavy rainfall are starting to move onshore in the Panhandle and will increase in intensity throughout the day.

FDEM PHICE OF THE GOVERNME

Damaging Wind Threat Overview

Hurricane Sally

Sustained tropical storm force winds around 40 mph with gusts to 55 mph are possible along the immediate coast of the Panhandle where the Hurricane and Tropical Storm Warnings are in effect Today.

In the western Panhandle, wind gusts of 70-80 mph could occur tonight/Wednesday resulting in some areas of damage.

Across the rest of North Florida, wind gusts of 30-50mph are possible in heavier showers/thunderstorms today and Wednesday.

These risks may increase or decrease in the western Panhandle depending on the exact track and intensity of Sally.

> https://www.weather.gov/srh/tropical? office=mob Click on "Threats and Impacts" Tab



Time of Arrival & Wind Speed Probabilities

MOST LIKELY Time of Arrival of Tropical Storm Force Winds (>39 mph)

ERGENCY

FDEN





Hurricane Wind Speed Probabilities

Probabilities of Sustained Hurricane Force Winds (>74 mph)



Destin: 3% Milton: 9% Pensacola: 12% Pensacola NAS: 22%

The odds of hurricane force winds in the far western Panhandle, in the Hurricane Warning area, are currently ~10%, or 1 in 10 across the inland areas and near 1 in 5 along the immediate coast.



Wind Watches and Warnings In Effect Until Further Notice

Hurricane Warnings: Escambia & Santa Rosa

Tropical Storm Warnings: Okaloosa, Walton, Bay, Gulf, Holmes, and Washington.

Impacts limited to isolated power outages and a few downed trees. Saturated soils will make it easier for trees to fall.

Power outages made be more widespread in the hurricane warning areas.





Forecast Wind Speeds Today Next 12 Hours – Higher Gusts in Squalls

Sustained wind speeds of 20-40 mph are expected in the Panhandle this afternoon.

Higher gusts are likely in squalls! Wind gusts 45-60 mph possible near the coast.

The highest winds will likely occur Tuesday night through Wednesday morning.





Flood Threat Overview

Hurricane Sally

The greatest flood threat is across the Panhandle and western Big Bend starting later today and continuing through the day on Wednesday.

3 Day Rainfall Totals:

- Northeast Florida & Peninsula: 1-2", Locally 4"
- Big Bend: 2-4", locally 6"
- Eastern Panhandle: 8-12", locally 15"
- Western Panhandle: 12-20", locally 30"

Flash Flood Watches are in effect for the Panhandle until Thursday morning!

https://www.weather.gov/srh/tropical? office=mob Click on "Threats and Impacts" Tab



Rainfall Totals Next 3 Days

Ending 8 AM ET Friday 9/18 – Hurricane Sally



3 Day Rainfall Totals:

- Northeast Florida & Peninsula: 1-2", Locally 4"
- Big Bend: 2-4", locally 6"
- Eastern Panhandle: 8-12", locally 15"
- Western Panhandle: 12-20", locally 30"

Rainfall impacts will extend well east from the center.



Flash Flood Outlooks

From the Weather Prediction Center



Risk of rainfall exceeding flash flood guidance
within 25 miles of a point to the right of a lineHIGH: > 50%SLGT: 10%-20%MDT: 20%-50%MRGL: 5%-10%

A significant flash flood risk exists in the western Panhandle through Wednesday afternoon, particularly tonight. ****HIGH RISK****

An isolated flash flood is possible across the Peninsula.



Flash Flood Risk Categories

Understanding the Weather Prediction Center Risk Scale

Understanding WPC Excessive Rainfall Risk Categories

No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)		
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected		
www.wpc.ncep.noaa.gov @NWSWPC	Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.		
Flash flooding near me?	(1,2,2,2,2,2)	$\{(A, A, b)\}$	res des			
WEATHER PREDICTION CENTER	Risk of rainfall exceeding flash flood guidance within 25 miles of a point to the right of a line HIGH: > 50% SLGT: 10%-20% MDT: 20%-50% MRGL: 5%-10%					



Flood/Flash Flood Watches

NWS Links: Mobile | <u>Tallahassee</u>

Flash Flood Watches until Thursday morning: All of Region 1 & Franklin & Liberty County

River flooding is also likely across Northwest Florida as we head later into the week. Minor river flooding continues along the West Coast.





Storm Surge Threat Overview

Hurricane Sally

2-4' of storm surge is expected across the western Panhandle, including Pensacola and Choctawhatchee Bay.

1-3' of surge is expected in the eastern Panhandle and Big Bend.

The greatest flooding will occur at the high tides over the next 36 hours.

Tides are running about 1' above normal along the West Coast of the Peninsula.



https://www.weather.gov/srh/tropical? office=mob Click on "Threats and Impacts" Tab



Surge Watches and Warnings

Mok

In Effect Until Further Notice

https://www.nhc.noaa.gov/refresh/graphics_at4+sh tml/155356.shtml?inundation#contents Interactive P-Surge Inundation Map

NEW: 3-5' of inundation expected in the Warning area of the Florida Panhandle

https://www.nhc.noaa.gov/refre sh/graphics_at4+shtml/155356.s html?wsurge#contents Interactive Watch/Warning Map

> Surge Watches are in effect for Escambia, Santa Rosa, and Okaloosa

Enterprise

Lynn Haven

Panama City

Dotha

Storm Surge **Warning**

There is a **danger of life-threatening inundation** from rising water moving inland from the shoreline generally **within 36 hours**.

Promptly follow evacuation and other instructions from local officials.

There is a **possibility of lifethreatening inundation** from rising water moving inland from the shoreline generally **within 48 hours**.

NOAR

Storm Surge Watch

Promptly follow evacuation and other instructions from local officials.

Storm Surge Warning Storm Surge Watch

Pensacola

Storm Surge/Coastal Flooding

Through Wednesday

ERGENCY

FDEN





Gulf of Mexico at Panama City Beach

<u> Iydrograph Link</u>



3 Water begins to flood low lying areas in Camp Helen State Park and on south facing portions of Powell Lake in Bay County. Areas near beach access continue to flood. Erosion from wave action begins along the Bay County Beaches.

2.2 Where breaks in the dune line tobeach access exist, water begins to floodaccess areas from Inlet Beach to St AndrewsState Park in Panama City Beach.

1.7 Water reaches the dune line in several places along the Bay County Beaches.



Gulf of Mexico at Apalachicola

lydrograph Link



2.7 In Apalachicola, Water Street floods as well as the Battery Park under the John Gorrie Bridge. In Eastpoint, low lying areas near the causeway begin to flood at this level.

2.2 In Gulf County, water will overwash SR-30E at the Stump Hole. Backyards of residences on the north side of Indian Pass Lagoon will begin to flood. Water approaches Indian Pass Road on the west side of the Lagoon.

1.9 The boat ramp at the city docks in Apalachicola will flood.



Gulf of Mexico at Pensacola

vdrograph Link



Universal Time (UTC) 20 Z 20 Z 20Z 20Z 20Z 20Z 20 Z 20 Z 20 Z 20 Z 20 Z Sep 9 Sep 10 Sep 11 Sep 12 Sep 13 Sep 14 Sep 15 Sep 16 Sep 17 Sep 18 Sep 19 Latest observed value: -0.28 ft at 3:20 PN ED T 14-Sep-2020. Flood Stage is 2 ft 8 6 Major: 5.1' 5 loderate: 3. £ Minor Low Stage: -5.3 4pm 4pm 4pm 4pm 4nm 4nm 4nm 4nm Wed Fri Sat Thu Fri Sat Sun Mon Tue Wed Thu Sep 9 Sep 10 Sep 11 Sep 12 Sep 13 Sep 14 Sep 15 Sep 16 Sep 17 Sep 18 Sep 19 Site Time (EDT) ---- Graph Created (4:37PM Sep 14, 2020) - Observed -- Forecast (issued 9:00AM Sep 14) MRKF1(plotting HGIRG) "Gage 0" Datum: 0' Observations courtesy of NWFWMD GULF OF MEXICO TIDE GAUGE AT PANAMA CITY (IN MHHW) Universal Time (UTC) 20 Z 20Z 20Z 20 Z Sep 10 Sep 11 Sep 12 Sep 13 Sep 14 Sep 15 Sep 16 Sep 17 Sep 18 Sep 19 Sep 9 10 Latest observed value: 1.2 ft at 3:06 PM CDT 14-Sep-2020. Flood Stage is 2 ft Q Major: 5.0 loderate : 3

ST. MARKS RIVER AT ST. MARKS (IN MHHW)



PERFERGENCY MANARE

Severe Weather Outlooks

From the Storm Prediction Center



A few tornadoes are possible in the Panhandle and western Big Bend from the outer rain bands of Sally today, tonight, and through the day on Wednesday. The greatest threat may be Tuesday afternoon. **Tornado watches could be issued.**

Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS	1 - MARGINAL	2 - SLIGHT	3 - ENHANCED	4 - MODERATE	5 - HIGH
(no label)	(MRGL)	(SLGT)	(ENH)	(MDT)	(HIGH)
No severe*	Isolated severe	Scattered	Numerous	Widespread	Widespread
thunderstorms	thunderstorms	severe storms	severe storms	severe storms	severe storms
expected	possible	possible	possible	likely	expected
Lightning/flooding threats exist with <u>all</u> thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	



Tornado Watch

From the Storm Prediction Center – Until 6 PM CT / 7 PM ET

Outer rain bands are rotating and will be moving onshore throughout the day.

Additional tornadoes watches are likely tonight and tomorrow.





White dots below are **RECORD** high levels



Rucker

Enterprise

Dothan

Cher O-Creek

Sdtsa

Apalachicola National

Fore

Machis

Lower

Creek Sdtsa

OAndalusia

Conecuh National

Forest



- 26.3 RECORD FLOOD Hurricane Georges. Highway 112 Bridge is closed. River Annex Road, Ruby's Fish Camp, Hurst Hammock Road, River Annex Road, Seminole Landing, Adventures Perdido River, and River Bend Estates are flooded.
- 24.06 Water enters the first floor of houses on stilts just north of Adventures Perdido River.
- 17.55 Water reaches the first floor of Adventures Perdido River Office Building.
- 13 River begins to leave its banks at the parking lot of Adventures Perdido River. Begins to threaten several permanently parked travel trailers.



Escambia County





Stage Impact

- 34 Some flooding in the eastern sections of Century.
- 33.2 Bridge flood of Highway 4 floods.
- 24.2 RECORD FLOOD of March 18th 1990 Water enters several houses on Worley Road, Daffin Road, and Fairground Road.
- 23.7 Second highest record flood Approximately 8 houses become isolated and sections of Mystic Springs Road, River Bend Road and Fairground Road are impassable. Water from the river flows into ponds at B and L Catfish Farm on Mystic Road.
- 23.3 Widespread flooding of pasture and farm land. Water begins to reach Mystic Springs Road, Worley Road, Mamer Holley Lane and River Bend Road. Approximately 5 houses become isolated in the McDavid and Molino communities. Public boat ramps at Mystic Springs and Fairground Road are submerged.
- 19 Low lying pastures will flood. Cattle should be moved to higher ground.
- 17 Considerable flooding of lowlands.
- 13 Minor overflow of lowlands in the area.



Escambia County





Stage Impacts

19.8 20-25 Homes in Paradise Island near Milton affected by flood waters. Severe undermining of several homes in Ward Basin area south of Milton.

10 Flooding of lowlands and some fish camps will occurs.



Santa Rosa County





BAKF1(plotting HGIRG) "Gage 0" Datum: 60.5'

- 24 Highway 4 bridge is closed.
- 23 Buildings underwater in Highway 4 roadside park
- 16 Some residential flooding occurs downstream from Baker.
- 14.5 Flooding of West Park in Baker.
- 14 Flooding of East Park in Baker.
- 11 Minor flooding of secondary roads and lowlands from around Baker to downstream of Baker.
- 9.5 Kennedy and Peaden Bridges are flooded upstream.



Okaloosa County





- 26 Severe flooding will occur in Milligan with many homes flooded. Water will be up to the eaves of some homes. Water will be six to eight feet deep over the U.S. Highway 90 bridge.
- 20.3 Many homes on both sides of the river, along Antioch Road and east of U.S. Highway 90, flood with up to three feet of water in some homes on Antioch Road.
- 19.1 Water crosses Highway 90 on the east end of bridge.
- 18.6 Water crosses Highway 90 on the west end of bridge
- 18 Widespread flooding east of the U.S. Highway 90 bridge and downstream of the gage occurs. Numerous evacuations are required. U.S. Highway 90 and the L & N Railroad tracks start to flood.
- 15.4 Antioch Road is flooded.
- 15 Many homes near and east of the L & N Railroad tracks downstream of the U.S. Highway 90 bridge are flooded. Some evacuations are necessary.
- 14.5 Antioch road begins to flood.
- 14 Some homes downstream of the U.S. Highway 90 bridge and along A.L. Gillam Road begin to flood. Evacuations are necessary if higher stages are expected.
- 13 Water threatens home on Ellis and Antioch Roads.
- 12 Extensive overflow of lowlands will occur and a few rural roads in the area will become flooded.
- 11.5 Water flows over yards on Ellis Road.
- 9.9 Some minor overflow of low lying areas will occur. Water will enter some yards along Antioch Road in Milligan.



Okaloosa County





- 21.4 Water in homes at Trevor Court and Antioch Roads. Buildings underwater in Highway 85 roadside park. Highway 90 bridge flooded.
- 15 Water in Trevor Court. Some homes in Rattle snake Bluff become flooded.
- 14 Residential flooding in the Trevor Court area.
- 13 Homes on south bank of river begin to flood near Crestview.
- 12 Residential areas on the south bank of river near Crestview become isolated. Rattlesnake Bluff Road closed.
- 11 Flooding becomes a threat to the Trevor Court and Rattlesnake Bluff areas.
- 10 Some flooding of trailers north of the Okaloosa Correctional Institue. Water surrounds home on Sowel Road.
- 8.5 Water in yards on Sowel Road.
- 8 Minor flooding of low lying areas.





- 17 Water reaches CR-179 in Holmes County near the intersection with Boat Ramp Road.
- 16 Highway 279 south of Interstate 10 begins to flood in Washington County. Several rural roads in the area will also flood.
- 15 In Holmes County, water begins to flood areas off Buck Rodgers Road east of CR-179A in Holmes County. Access to several of the fish camps become inaccessible above this level.
- 14 In Holmes County, Boat Ramp Road south of CR-179 will flood. Access to several of the fish camps off Boat Ramp Road may become inaccessible above this level.
- 12 Extensive lowland flooding will occur.

23

21

20

18



Holmes/ Washington County





- 27 Nearly all structures between Black Creek Road and the west bank of the Choctawhatchee River are flooded. Flooding begins to affect more areas south of Shell Landing Road in Washington County.
- 24 Significant flooding affects numerous structures throughout the lower Choctawhatchee River Basin.
- 22 Structures along Holmes Creek from Millers Ferry Road to the confluence with the Choctawhatchee River in Washington County are prone to flooding above this level.
- 21 In Walton County, flooding impacts multiple structures south of Black Creek Road between Rooks Bluff Road and BH Reddick Road. Flooding expands just north of SR-20 off Howell Bluff Road.
- 20 In Walton County, multiple structures not elevated on BH Reddick Road are flooded. In Washington County, structures at the end of Choctaw Road begin to flood. Flooding begins at Boynton Cutoff Road. Roads near Holmes Creek south of Millers Ferry Road southward to the confluence with the Choctawhatchee River are prone to flooding above this level. Structures on Backwoods Road also begin to flood.
- 19 In Walton County, several structures not elevated on BH Reddick Road flood. Access into the area is severely restricted above this level.
- 18 In Walton County, additional structures on Choctawhatchee River Road and Big Cedar Road not elevated are flooded. A few structures on McCewen Street and Carnation Road begin to flood. Flooding begins just north of SR-20 off Howell Bluff Road affecting a few residences.
- 17 In Walton County, the boat ramp at Big Cedar Road is inaccessible at this level. The boat ramp at the end of McCewen Street floods at this level. Structures not elevated on Choctawhatchee River Road and Big Cedar Road begin to flood.
- 16 Portions of Big Cedar, Cowford, and Choctawhatchee River Roads in Walton County are impassible above this level. Structures in the area not elevated begin flooding. Portions of Choctaw Road in Washington County begin to flood along with Strickland Road in the far southwestern portion of the county.
- 14 Big Cedar, Cowford, and Choctawhatchee River Roads begin to flood in Walton County. Flood waters impact storage areas underneath homes on the west banks of the Choctawhatchee River. Low areas along Strickland Road in Washington County become subject to flooding.



Washington County







72-hour QPF

168-hour QPF

The Yancey Boat Ramp off Caverns Road floods. 16

begins to flood. The Magnolia Road boat ramp begins to flood.



- 30 Major flood damage will occur.
- 28.5 Water will reach the highway 274 bridge and approach the road.
- 23 Water will start to affect houses and mobile homes in the flood plain downstream from the gage. A few fish camps downstream of highway 20 will be affected by flood water.
- 22 Minor lowland flooding will occur. Lamb Eddy Road near the boat ramp will flood.



Calhoun County





- 24.1 Water begins to flood NE Magnolia Street in Pine Island east of NE Hickory Street. In Blountstown, water begins to surround homes east of SE Pear Street to SE River Street. In Liberty County, flooding expands at the Bristol Boat Ramp affecting more residences.
- 24 The Wewahitchka area in Gulf County will be affected downstream of Blountstown. Minor house flooding will occur at Kentucky Landing, Chipola Cutoff, Red Bull Island, Douglas Landing, Brants Landing, Willis Landing and Howards Creek area. The 24.0 ft level at Blountstown may at time not be representative of river levels in these areas due to tidal effects, winds or local rainfall and should be used with caution.
- 23.5 Water will reach the walkway to Neal Lumber Office in Blountstown. Houses downstream at the Chipola Cutoff in the Wewahitchka area will begin to flood. The 23.5 foot level at Blountstown may at times not be representative of river levels in these areas due to tidal effects, winds, or local rainfall and should be used with caution.
- 23 Water crosses the low water crossing on Parrish Lake East 3 miles before the end of the road in Calhoun County.
- 22 Minor lowland flooding will occur on many roads including Byrd Parker Road, Warmouth Drive, Gaskin Park, the end of Lake Grove Road, Elm Street on Red Bull Island, and Lower Landing on Howards Creek in Gulf County. The 22.0 ft level at Blountstown may at times not be representative of river levels in the these areas due to tidal effects, winds, or local rainfall and should be used with caution. In Liberty County, a home on River Road downstream of the Bristol Boat Ramp begins to flood on the lower level.
- 21 Ocheessee Landing in Calhoun County is flooded, restricting access to the boat ramp and parking area. Kennedy Creek at Forest Road 115 in Liberty County floods.
- 20 The boat ramp at Estiffanulga in Liberty County floods.
- 19 Minor lowland flooding will occur at Douglas Landing and Willis Landing Campgrounds in Gulf County. The 19.0 ft level at Blountstown may at times not be representative of river levels in these areas due to tidal effects, winds, or local rainfall and should be used with caution.
- 18 Forest Road 115 in Liberty County at River Styx Campground will flood, isolating access to the site.
- 17 John Redd Road in Calhoun County will begin to flood one half mile west of the boat landing, restricting access to the area. The lower portion of the boat ramp in Blounstown floods at this level.

Secondary river flooding would occur next week as water moves downstream from AL/Ga





- 44 Major flood level. Homes flood along county highway 12.
- 38.5 County highway 12 may become closed to vehicular traffic.
- 36 Primary access to homes along county highway 12 on the east bank of the river in Leon County may become restricted.

*Downstream flooding near Havana and Bloxham would occur next week



Leon/ Gadsden County





Florida Outlook

Florida Outlook:

- Impacts will extend well outside of the cone! It is important to not focus on the center of the forecast track for Hurricane Sally.
- A significant, potentially historic rainfall even is forecast for the Florida Panhandle.
- Hurricane Warnings: Escambia and Santa Rosa
- Tropical Storm Warnings: Okaloosa, Walton, Bay, Gulf, Washington, and Holmes
- Tropical storm force wind gust are occurring in rain bands along the coast of the Panhandle. Sustained tropical storm force winds are possible along the coast and in the western Panhandle later today and continuing through Wednesday morning.
- Wind gusts 70-85mph are possible in the western Panhandle later tonight and Wednesday morning.
- 10-15" of rainfall is expected in the Panhandle with localized totals of 20-30" possible.
- Significant river flooding seems increasingly likely over the next few days in the western Panhandle. Moderate to Major River Flooding.
- Flash Flood Watches are in effect for the Panhandle until Thursday morning.
- Isolated tornadoes are possible in the Panhandle and Big Bend today, tonight, and Wednesday. The greatest tornado threat will be Tuesday and Wednesday afternoons with a Slight Risk of Severe Weather (level 2 of 5) in place.
- A Tornado Watch is in effect until 6 PM CT / 7 PM ET for the Panhandle. Additional watches are possible tonight.
- Storm Surge Warnings: Escambia, Santa Rosa, and Okaloosa (3-5' of surge)
- **Coastal Flood Advisories** are in effect for the rest of the Panhandle/Big Bend (1-3' of surge).
- High surf (8-12'), dangerous rip currents, and beach erosion are expected at Panhandle beaches for the next few days.
- Paulette will generate swells that reach the Atlantic beaches, elevating the rip current risk through the end of the week.
- Direct impacts from any other systems in the tropics are not expected.

The next briefing packet will be issued later this afternoon with the 5PM advisory. For the latest information on the tropics, please visit the National Hurricane Center website at <u>www.hurricanes.gov</u>.



TROPICAL UPDATE



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