

#### TROPICAL UPDATE



#### 11:00 AM EDT

Wednesday, September 16, 2020 Hurricane Sally Update \*No Other Systems a Threat at This Time\*

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 Wednesday: Florida Threats & Changes Since Last Packet





#### **Overview/Recent Changes:**

Sally made landfall in Gulf Shores, AL, which put the strongest part of the eye wall over Pensacola this morning. Conditions will be slow to improve this morning as Sally continues to move at only 2 mph. Storm surge is peaking as high tide and peak winds coincide. The eye wall is moving into Pensacola with heavy bands through the rest of the Panhandle. **\*\*Flash Flood Emergency for Pensacola**\*\*

## Current Florida Radar

#### As of 10:30 AM ET / 9:30 AM CT

30-50 mph gusts na Beach 50-70mph 85mph+ Spring Hill gusts Port Saint Lucie West Palm Beach East Naples Fort Lauderdale

The eye wall of Sally is slowly moving through the western Panhandle with the strongest winds.

Strong rain bands are moving east through Walton, Bay, Washington, and Holmes.

Tornadic, heavy rain bands are moving into the western Big Bend now as well.



## 2 PM ET / 1 PM CT



\*Model Estimate\* Exact placement of rain bands may vary.

In general, rain bands will decrease in intensity this afternoon along the immediate coast of the western Panhandle.

Heavy rain bands will continue across inland areas and move into the western Big Bend.

Gusty winds may continue outside of the rain bands in the western Panhandle, but will be less intense than this morning.

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## 6 PM ET / 5 PM CT



\*Model Estimate\* Exact placement of rain bands may vary.

In general, rain bands will decrease in intensity this evening in the Panhandle.

Heavy rain bands will continue across the western Big Bend.

Gusty winds may continue even outside of the rain bands.

#### Gusty Winds Continue After Rain But damaging winds likely end from west to east by tonight



FDEN

While the strongest winds will occur with the eastern eye wall and heavy rain bands east of the center through mid-afternoon, some gusty winds to tropical storm force (35-50 mph) could still occur as late as midnight tonight throughout the Panhandle.



## Damaging Wind Threat Overview

#### Hurricane Sally

Hurricane force wind gusts are ongoing in the western Panhandle (75-85 mph).

In the eastern Panhandle, wind gusts of 50-70 mph are possible with sustained tropical storm force winds as Sally slowly moves northeast and into southern Alabama.



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



#### Wind Watches and Warnings In Effect Until Further Notice

Hurricane Warnings: Escambia, Santa Rosa, and Okaloosa

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

Isolated to scattered power outages in the tropical storm warnings.

Widespread outages are now expected in the hurricane warning areas.





## Max Wind Gusts Today

#### Next 12 Hours

Sustained wind speeds of hurricane force are expected in the western Panhandle over the next few hours.

Sustained tropical storm force winds are likely in the eastern Panhandle this afternoon.





## Flood Threat Overview

#### Hurricane Sally

\*\*This includes the widespread 10-20" that has already fallen across the Panhandle with some measurements around 30" being reported in Pensacola.\*\*

#### ADDITIONAL RAINFALL:

- Coast of the western Panhandle: 3-6"
- Inland western Panhandle: 5-10"
- Eastern Panhandle: 8-16", locally 20"
- Western Big Bend: 4-8", locally 12"







## Flash Flood Outlooks

#### From the Weather Prediction Center



Risk of rainfall exceeding flash flood guidance<br/>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 Panhandle and western Big Bend through this evening. **\*\*HIGH RISK**, **HIGH IMPACT EVENT ONGOING\*\*** 

An isolated flash flood is possible across Northeast.



#### 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.		Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.	
Flash Flooding flooding near me? NO Flash Flooding	(1,2,2,2,2,2)	$\{(x,y)\}_{i\in I}$	res des		
WEATHER PREDICTION CENTER	HI	k of rainfall excee hin 25 miles of a p GH: > 50% )T: 20%-50%	ding flash flood g point to the right o SLGT: 10%-20 MRGL: 5%-10	)%	



### Flood/Flash Flood Watches

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



Flash Flood Watches until Thursday morning: All of Region 1 Franklin, Gadsden, Leon, Liberty, & Wakulle County



## Storm Surge Threat Overview

#### Hurricane Sally

4-7' of storm surge is expected across the western Panhandle, including Pensacola and Choctawhatchee Bay.

2-4' of surge is expected in the eastern Panhandle and 1-3' in the Big Bend.

Surge is peaking in most areas right now/late this morning with a gradual recession this afternoon.



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



## Surge Watches and Warnings

#### In Effect Until Further Notice

https://www.nhc.noaa.gov/refresh/graphics\_at4+sh tml/155356.shtml?inundation#contents Interactive P-Surge Inundation Map

4-7' of inundation expected in the Warning area of the Florida Panhandle. Surge is peaking in most areas late this morning with a gradual recession this afternoon.



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



#### Gulf of Mexico at Pensacola

#### lydrograph Link





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



PACF1(plotting HMIRG) "Gage 0" Datum: 0' Observations courtesy of National Ocean Service - NWLON



#### Gulf of Mexico at Panama City Beach

#### Hydrograph Link



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.

PCBF1(plotting HMIRG) "Gage 0" Datum: 0'

Observations courtesy of National Ocean Service



#### Gulf of Mexico at Apalachicola

#### <u>lydrograph Link</u>



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.



## 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 may be issued this evening from the eastern Panhandle to Northeast Florida.



### 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 through the day on Wednesday. The tornado threat may move into Northeast Florida tonight. Additional tornado watches are likely to 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	Long-lived, very widespread and particularly intense

#### Observed Rain Totals as of 8am (Past 72 Hours)









- 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.

Mapped areas of concern based on NWS Impact Statements related to flood category



## Escambia County





#### CTYF1(plotting HGIRG) "Gage 0" Datum: 28.34'

#### 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**



Flow

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Mapped areas of concern based on NWS Impact Statements related to flood category



#### 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.

Mapped areas of concern based on NWS Impact Statements related to flood category

# 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.



#### Mapped areas of concern based on NWS Impact Statements related to flood category

## Okaloosa County





MLGF1(plotting HGIRG) "Gage 0" Datum: 45

- 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. Gillman 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.

Mapped areas of concern based on NWS Impact Statements related to flood category



## Okaloosa County





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



## Okaloosa County



Mapped areas of concern based on NWS



26 Record Flooding occurs. Extensive flooding throughout the Shoal River Basin. All roads across the river are impassable. Numerous residents along the river experience significant and destructive flooding.

24 Water begins to flood the approach road surface and bridge travel lanes of New Harmony Road. Hinote Road at Deshazo Road floods.

22 Water reaches the base of the New Harmony Road bridge. Water begins to cross Williams Road near the Mill Creek Bridge. Nearly all residences on Plantation lane are flooded at this level.

20 Numerous residences along Planation Lane are flooded at this level.

18 Flood waters cross Plantation Lane in several places isolating many residences. Hinote Road is flooded more than one half mile south of the bridge, restricting access to flooded residences on Dallas Drive.

16 The Hinote Road Bridge begins to flood. The road is subject to closure.

14 Water begins to overflow into wooded areas along the river from New Harmony Road westward to Laird Road.



## Walton County

Mapped areas of concern based on NWS Impact Statements related to flood category





- 23 US 90 is flooded up to a foot deep east of the Choctawhatchee River bridge in Caryville. Water also reaches the base of the US 90 bridge and the highway is subject to closure at this level.
- 21 The access ramps to Interstate 10 at CR 279 begin to flood at this level.
- 20 Water begins to flood US 90 above one half mile east of the bridge in Washington County. Water will cover portions of the railroad in Caryville.
- 18 Water begins to flood areas along CR-279 in Washington County north of Interstate 10. Several structures along the highway south of US-90 begin to flood.
- 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.





## Holmes/ Washington County

Mapped areas of concern based on NWS Impact Statements related to flood category





- 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.



## Walton/ Washington County

Mapped areas of concern based on NWS Impact Statements related to flood category







## Jackson County

- 30 Water reaches the base of the Caverns Road bridge and the bridge is subject to closure.
- 26 Major flooding begins along the Chipola River in Marianna affecting numerous homes on the west bank of the river. Caverns Road begins to flood on the south side of the bridge near Yancey Boat Ramp. Water reaches the base of the Magnolia Road Bridge and the road is subject to closure.
- 25 Water approaches residences along Noland Street near Kelson Avenue in Marianna.
- 24 Water approaches the base of the Magnolia Road bridge south of Interstate 10.
- 23 Homes in Marianna on Angela Drive are surrounded by flood waters. A home on Cherokee Street south of Putnam Street is also surrounded by flood waters.
- 22 The Citizens Lodge north of town is surrounded by flood waters. Homes in Turtle Bend become inaccessible.
- 21 Extensive flooding occurs in the Citizens Lodge Park. Water begins to approach the lodge.
- 20.5 Flooding increases south of Interstate 10 with areas near Magnolia Road beginning to flood. Water begins to surround several homes off Turtle Bend Lane. Access into the area is severely restricted.
- 20 Water spreads out across the flood plain north of Marianna near Caverns Road inundating much of the Citizens Lodge Park.
- 19 The Florida Caverns is subject to closure. Water begins to flood Old US Road east of downtown near Bridgewood Rive. Flooding increases at Turtle Bend Lane beginning to flood primary access into the area.
- 18.5 Water begins to overtop the bank at Turtle Bend Lane.
- 18 Water begins to overflow into low lying areas north of town near the Florida Caverns. The southern half of the Citizens Lodge Park begins to flood. The Magnolia Road boat ramp begins to flood.
- 16 The Yancey Boat Ramp off Caverns Road floods.





## Calhoun County

- 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.



#### ALQF1(plotting HGIRG) "Gage 0" Datum: 60'

Observations courtesy of US Geological Survey

Observations courtesy of US Geological Survey

2.1

Major flash flooding throughout the creek basin. Structures on Johns Lane will 61 flood and rising waters will approach the base of the SR-20 bridge.

The creek will begin to impact the Nelson Road bridge. Just upstream of the 59 SR-20 bridge, homes on Johns Lane will be surrounded by flood waters. A home just south of SR-20 will flood.

Water will flood Johns Lane and a small community park 10 miles downstream 58 of the gage site at the SR-20 crossing. The boat ramp on the south side of SR-20 will flood.

The creek will overflow into wooded areas along the creek both upstream and 54 downstream of Nelson Road.

51 The creek will approach bankfull at Nelson Road. 25 Water will begin to flood the approaches on the north and southbound sides of the SR-81 bridge.

18 The creek begins to flood low lying, predominantly wooded areas in proximity to SR-81.

14 The creek approaches bankfull at the SR-81 bridge.



- **30** Significant flooding in the area from Bear Creek. US-231 subject to closure.
- **28** Water will approach the base of the US-231 Bridge.

**25** Water will flood North Bear Creek Road. A property northwest of the bridge will also be affected.

**24** Water will begin to approach the surface of North Bear Creek Road.

**16.8** The County Road 388 bridge over Econfina Creek is subject to closure at this level.

**11.8** Above this level, inflows into Deer Point Lake could result in moderate flooding along the lakeshore.

**10.6** Water begins to overflow the creek into wooded bottomlands. Increased flows into Deer Point Lake above this level may result in minor flooding along the lakeshore.



- 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.



## Leon/ Gadsden County



BLXF1(plotting HGIRG) "Gage 0" Datum: 24.46'



### Florida Outlook

#### Florida Outlook:

- Sally made landfall near the FL/AL line early this morning. The eye wall is moving through the western Panhandle with damaging winds
- Flash Flood Emergency ongoing in the Panhandle with nearly stationary rain bands!
- Major to Historic River Flooding is starting and expected to crest over the next few days.
- Hurricane Warnings: Escambia, Santa Rosa, Okaloosa
- Tropical Storm Warnings: Bay, Calhoun, Gulf, Holmes, Jackson, Walton, and Washington
- Storm Surge Warnings: Escambia, Santa Rosa, Okaloosa, Walton (4-7' of surge)
- Hurricane force wind gusts are occurring in the western Panhandle (75-85 mph) and will continue to move northeast from Pensacola to the AL/FL border into the afternoon.
- Sustained tropical storm force winds are possible inland in the eastern Panhandle later today.
- So far, a widespread 10-20" of rain has fallen across the Panhandle.
- Additional rainfall totals of 5-12" forecast for the Panhandle and western Big Bend today, locally 20".
- Flash Flood Watches are in effect for the Panhandle and now the western Big Bend until Thursday morning.
- Isolated tornadoes are possible in the Panhandle and Big Bend today and possible Northeast Florida by this evening.
- A Tornado Watch is in effect until 6 PM CT / 7 PM ET for the Panhandle and western Big Bend. An additional watch is likely this evening!
- **Coastal Flood Advisories** are in effect for the rest of the eastern 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 couple of days.
- Direct impacts from any other systems in the tropics are not expected for the next 5 days at least.

The next briefing packet will be issued late this afternoon with the 5 PM 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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