



HYDROLOGY UPDATE



5:00 PM EDT


Wednesday, July 7, 2021


Tropical Storm Elsa

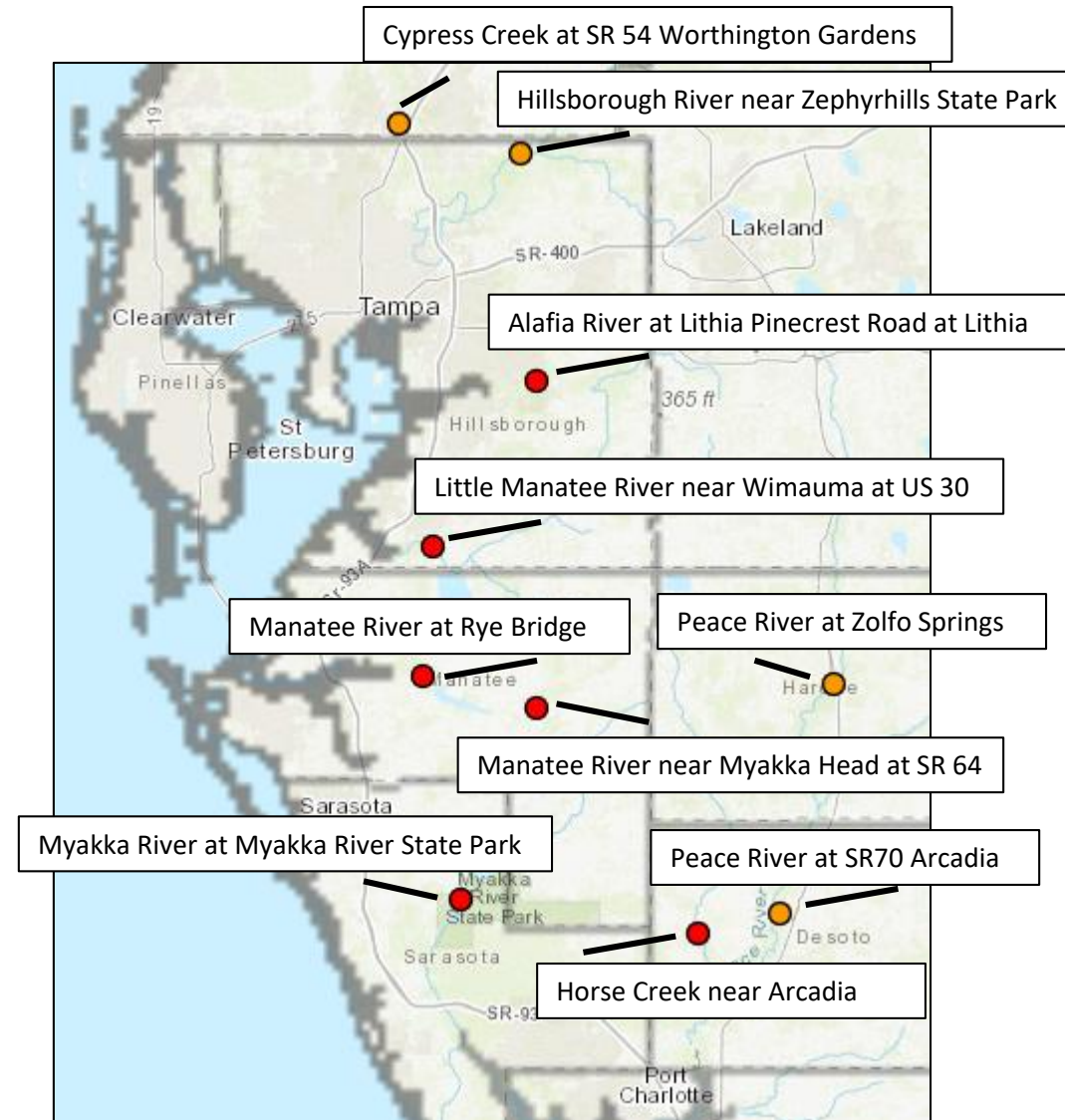
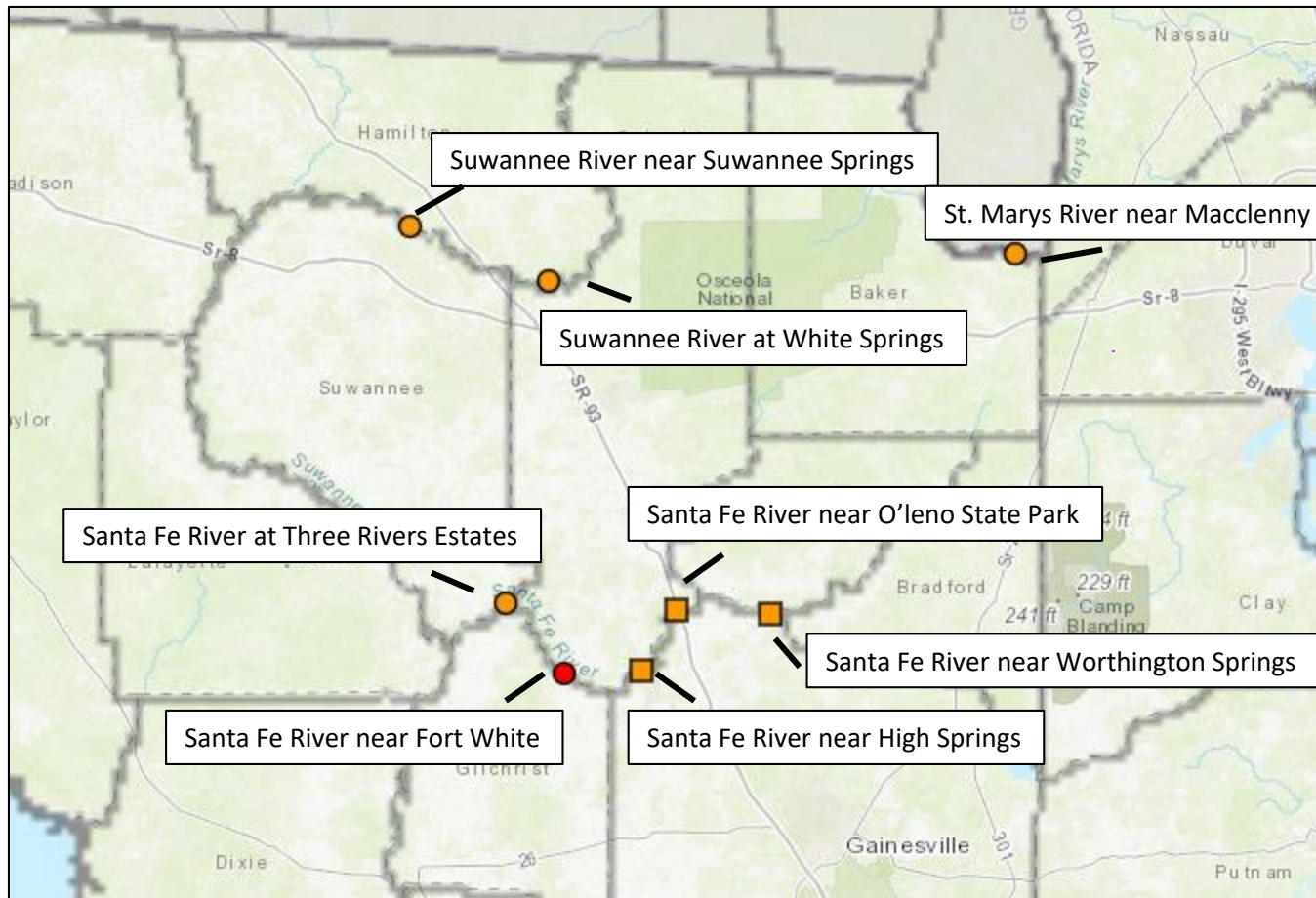
This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an 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.



Latest River Forecasts

 Moderate Flood Stage Forecasted

 Minor Flood Stage Forecasted





Latest River Forecasts

Southeast River Forecast Center

River Gauges	County(ies) Affected	Status	Crest Level	Crest Day	Current Level	Below Flood Stage Day
Suwannee River near Suwannee Springs	Suwannee	Rising	Minor 64.6 ft	7/11	Low 45.85 ft	Beyond 7/12
Suwannee River at White Springs	Hamilton, Suwannee, Columbia	Rising	Minor 77.4 ft	7/09	Low 59.4 ft	Beyond 7/10
Santa Fe River at Three Rivers Estates	Columbia, Suwannee	Rising	Minor 18.5 ft	7/12	Action 14.05 ft	Beyond 7/12
Santa Fe River near Fort White	Columbia, Gilchrist	Rising	Moderate 27.6 ft	7/12	Minor 23.15 ft	Beyond 7/12
Santa Fe River near High Springs	Alachua, Columbia	Rising	Minor 38.1 ft	7/11	Action 34.01 ft	Beyond 7/12
Santa Fe River at O'Leno State Park	Columbia, Alachua	Rising	Minor 49.5 ft	7/10	Minor 44.17 ft	Beyond 7/12
Santa Fe River at Worthington Springs	Union, Alachua	Rising	Minor 62.2 ft	7/09	Action 58.96 ft	Beyond 7/12
St. Marys River near Macclenny	Baker	Rising	Minor 14.8 ft	7/08	Action 11.55 ft	Beyond 7/12

For more details on the hydrographs as well as impact statements, click the links for each river gauge. More details also follow in the next slides



Latest River Forecasts

Southeast River Forecast Center

River Gauges	County(ies) Affected	Status	Crest Level	Crest Day	Current Level	Below Flood Stage Day
Alafia River at Lithia Pinecrest Road at Lithia	Hillsborough	Rising	Moderate 16.1 ft	7/08	Action 11.93 ft	7/11
Hillsborough River near Zephyrhills	Hillsborough	Rising	Minor 10.8 ft	7/08	Action 8.43 ft	7/09
Cypress Creek at SR54 Worthington Gardens	Hillsborough	Rising	Minor 9.2 ft	7/09	Action 7.95 ft	Beyond 7/12
Little Manatee River Near Wimauma at US 301	Hillsborough	Rising	Moderate 14.6 ft	7/08	Minor 11.07 ft	7/10
Manatee River at Rye Bridge	Manatee	Cresting	Moderate 13 ft	7/07	Minor 13.26 ft	7/08
Manatee River near Myakka Head at SR 64	Manatee	Rising	Moderate 16.5 ft	7/07	Moderate 16.12 ft	7/09
Myakka River at Myakka River State Park	Sarasota	Rising	Moderate 9.7 ft	7/10	Low 5.57 ft	Beyond 7/12
Horse Creek Near Arcadia at SR 72	DeSoto	Rising	Moderate 15.8 ft	7/09	Minor 12.28 ft	Beyond 7/12
Peace River at SR 70 Arcadia	DeSoto	Rising	Minor 13 ft	7/09	Low 7.64 ft	7/11
Peace River at Zolfo Springs	Hardee	Rising	Minor 16.8 ft	7/07	Action 14.07	7/08

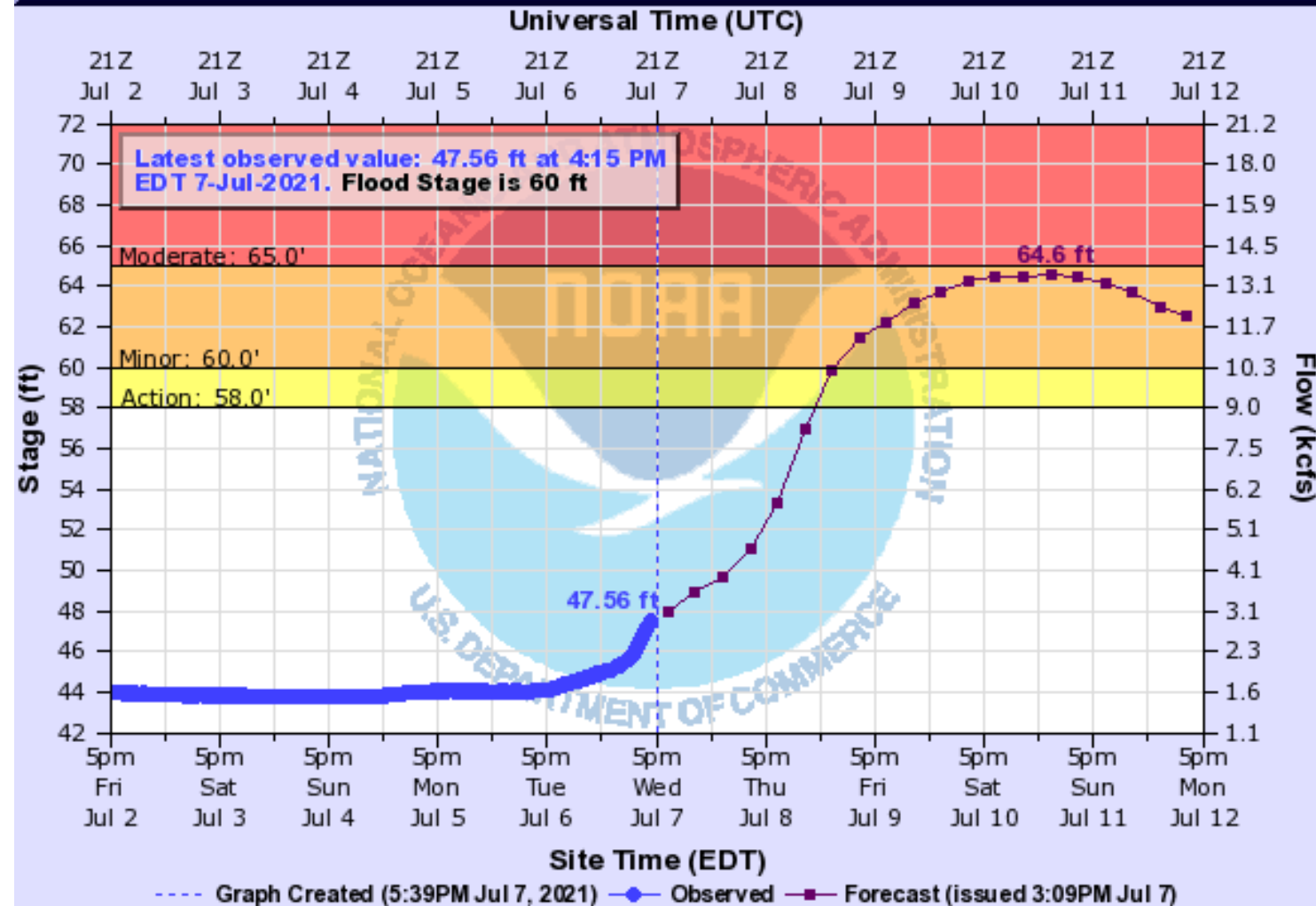
For more details on the hydrographs as well as impact statements, click the links for each river gauge. More details also follow in the next slides



Suwannee River Near Suwannee Springs

[Hydrograph Link](#)

SUWANNEE RIVER NEAR SUWANNEE SPRINGS (IN NAVD88)



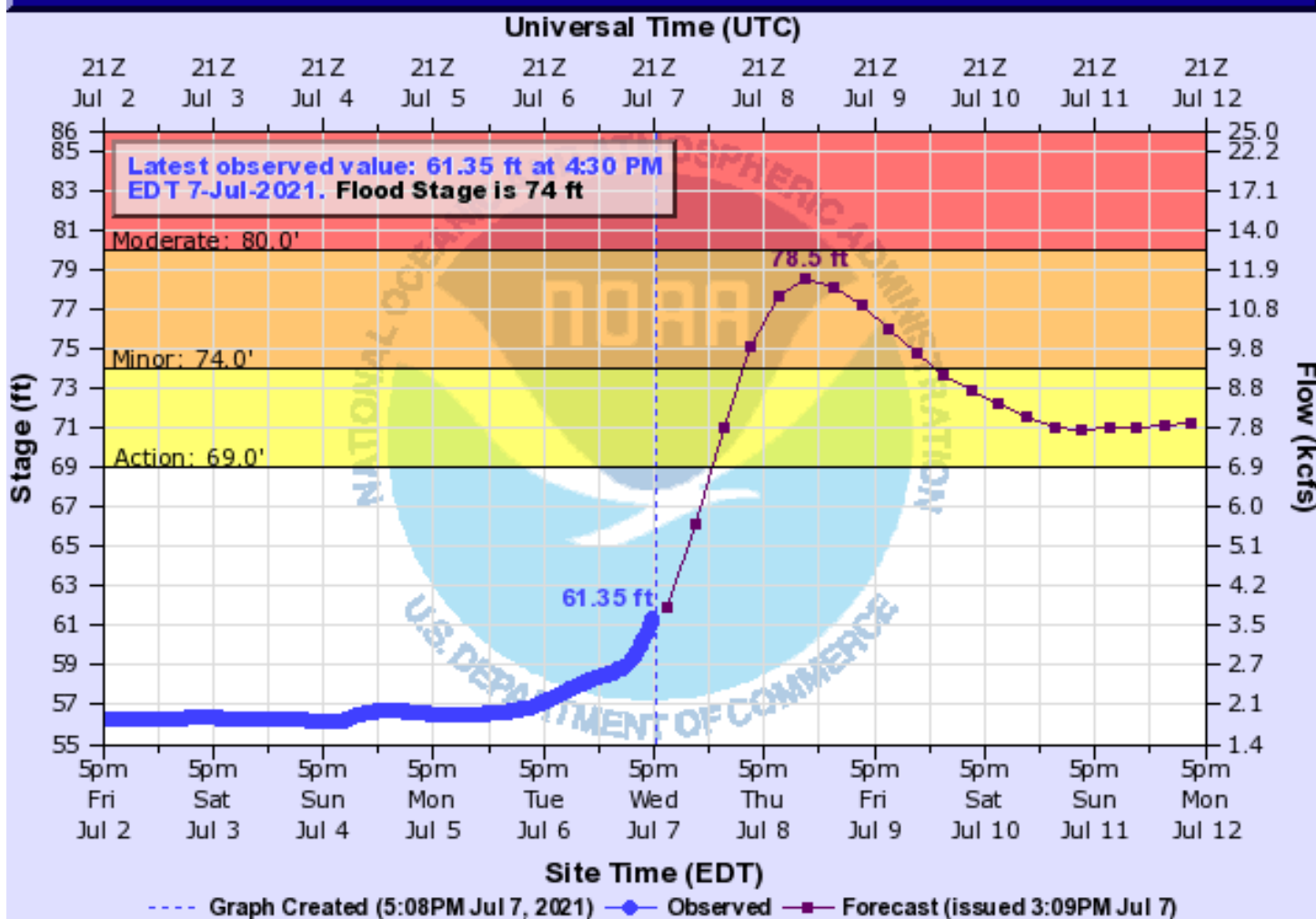
- 65 In Hamilton County, water begins to surround residences near SW 72nd Lane and Holton Creek. Structures not elevated are subject to flooding above this level.
- 64 Water begins to flood 91st Drive in Suwannee County.
- 63 In Hamilton County, much of SW 79th Terrace is flooded at this level. Access to homes in the area is restricted.
- 62 In Suwannee County, the entrance to the Suwannee Springs Park floods. Deese-Howard boat ramp is inaccessible.
- 60 Water comes over the bank at Suwannee Springs Park and begins to flood low lying areas of the park in Suwannee County. In Hamilton County, portions of SW 79th Terrace begin to flood.



Suwannee River at White Springs

[Hydrograph Link](#)

SUWANNEE RIVER AT WHITE SPRINGS (IN NAVD88)



- 81 Water reaches the observation deck at the White Springs Swim House. Water floods areas south of SE 100th Way in Hamilton County. Homes not elevated in this area are subject to flooding.
- 80 Water moves toward NW Stephen Foster Drive and begins to flood travel lanes in the 500 block in Columbia County.
- 79 Water reaches the top of the bank at the Stephen F Foster State Park. Low areas within the park begin to flood at this level.
- 77 Homes on NW Null Road in Columbia County become isolated at this level. Homes not elevated begin to flood at this level.
- 75 Access to White Springs Swim House is impassible.
- 74 The parking lot to the Blue Sink launch floods in Suwannee County. The area is not accessible above this level. Flooding expands into the park at US 41 in Hamilton County.
- 72 Water reaches the top of the bank at the park at US 41 in Hamilton County. All public boat ramps between White Springs and Suwannee Springs are subject to closure.
- 70 Water reaches the top of the boat ramp at US 41 in Hamilton County.

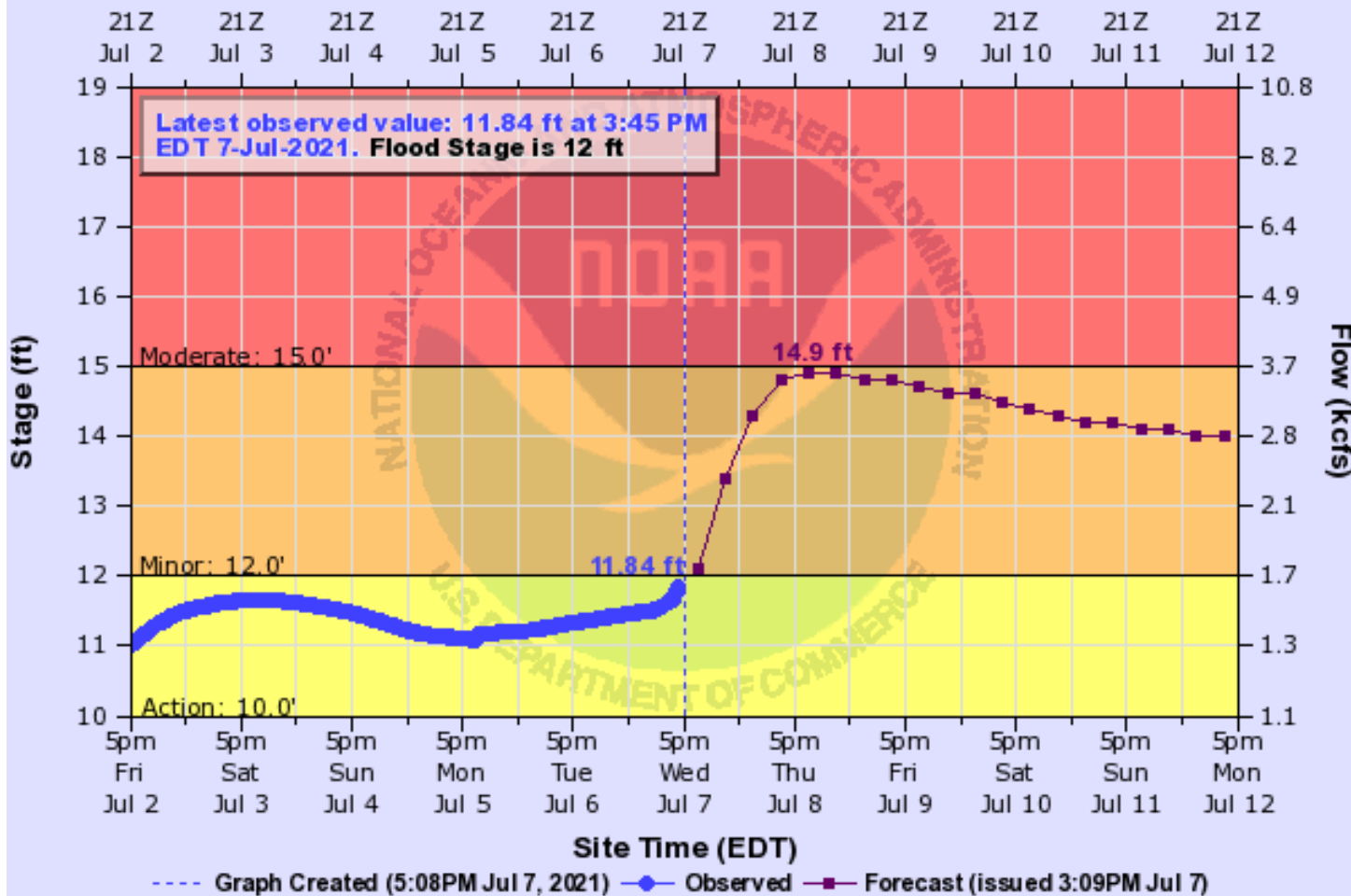


St. Marys River Near Macclenny

[Hydrograph Link](#)

ST. MARYS RIVER NEAR MACCLENNY

Universal Time (UTC)



MACF1(plotting HGIRG) "Gage 0" Datum: 40'

Observations courtesy of US Geological Survey

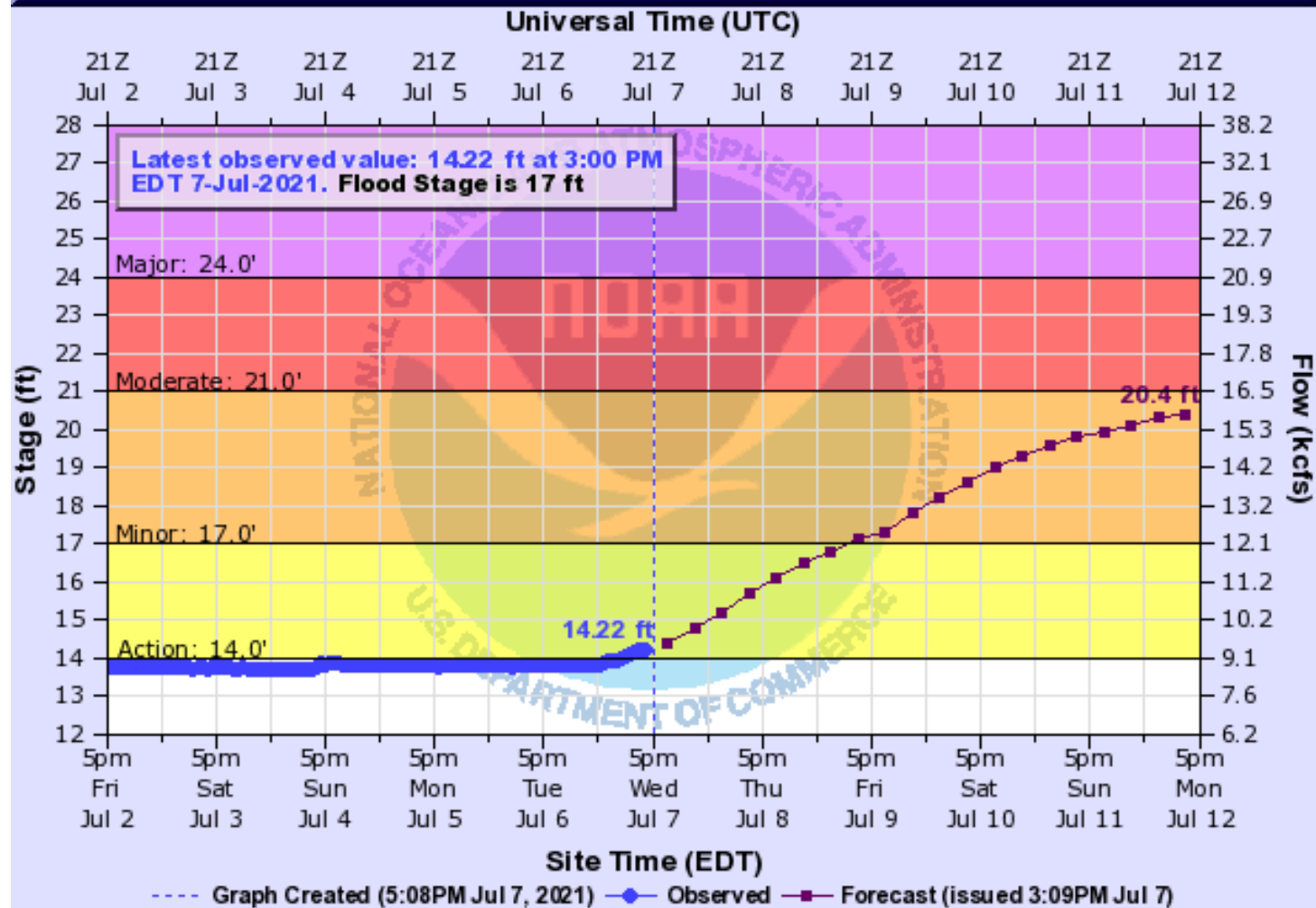
- 16 Access roads on both sides of the river in Florida and Georgia are flooded, including the entire low lying stretch of St. Mary's River Bluff Road on the Georgia side which cuts off 40 to 50 homes. On the Florida side, the lower end of St. Mary's Cove Road past the public boat ramp becomes flooded and cuts off access to 20 to 30 homes. The Stokes Road Bridge over the river is generally closed due to high water.
- 15 Flooding begins to impact the lower end of Steel Bridge Road on the Florida side and cuts off access to the river gage as well as access to several homes.
- 14 Flooding of bottomlands along the river and some lower access roads including the lower half of St. Mary's River Bluff Road which cuts off 15 to 20 homes on the Georgia side.
- 12 Minor flooding of low lying areas and timber lands including some properties along St. Mary's River Bluff Road and the Cypress Landing Resort on the Georgia side.



Santa Fe River at Three Rivers Estates

[Hydrograph Link](#)

SANTA FE RIVER AT THREE RIVERS ESTATES (IN NAVD88)



TREF1(plotting HGIRP) "Gage 0" Datum: 0'

Observations courtesy of SRWMD

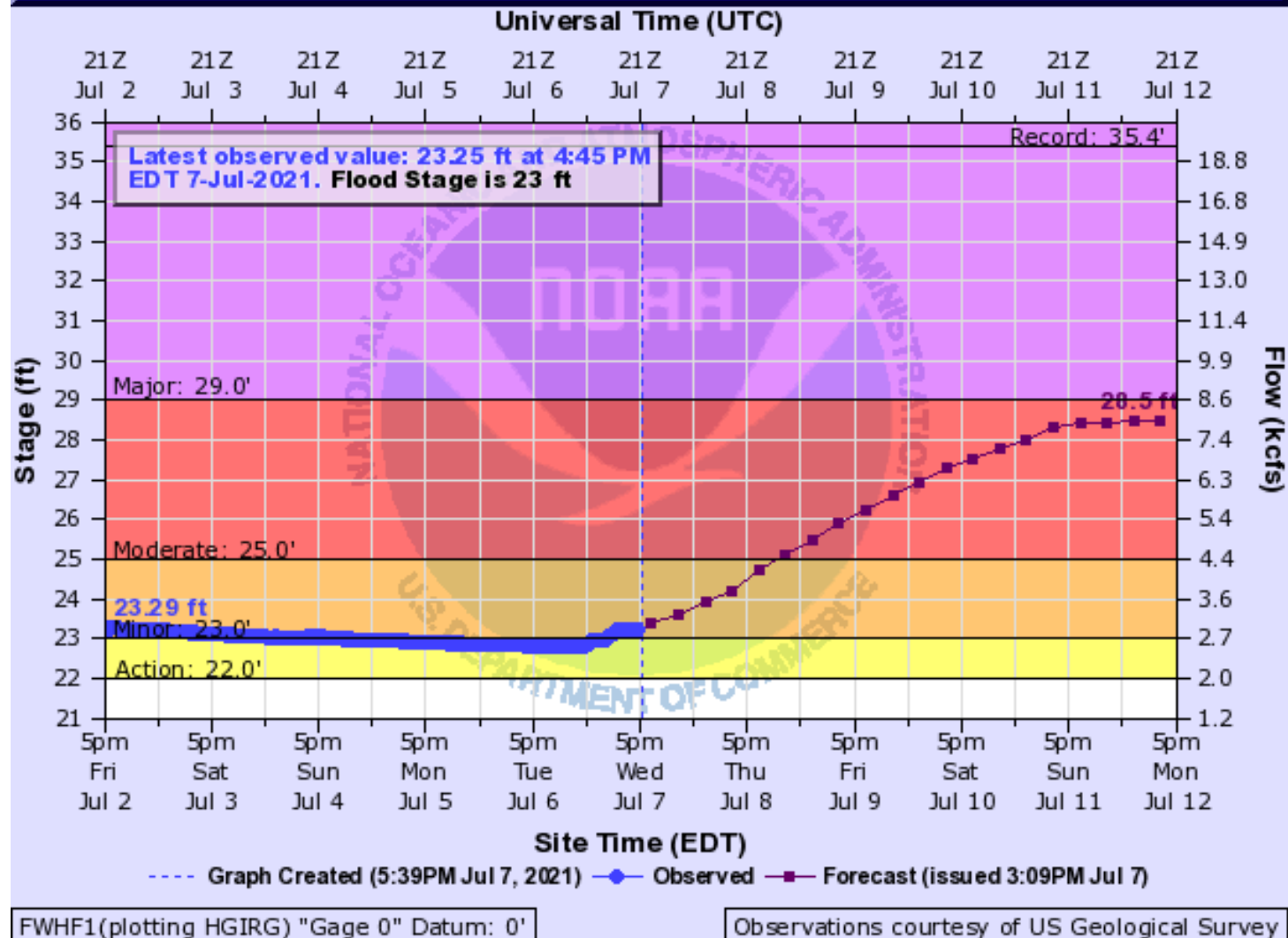
- 19 Water begins to enter backyards of residences along the Ichetucknee River.
- 18.75 Florida Fish and Wildlife Commission expands the no wake zone restriction further upstream on the Santa Fe River from the unnamed island 1.5 miles downstream on the Wilson's Spring Boat Ramp to one-half mile upstream of the State Road 47 bridge.
- 18 Water begins to flood River Run Road in Suwannee County.
- 17 Water begins to enter backyards of residences on Santa Fe Road in Columbia County and on River Run Road in Suwannee County.
- 16.25 Florida Fish and Wildlife Commission begins enforcement of a no wake zone on the Santa Fe River from the unnamed island 1.5 miles downstream of the Wilson's Spring Boat Ramp to the confluence with the Suwannee River and on the Ichetucknee River upstream to the US 27 bridge.
- 16 Lowland flooding begins on SW Santa Fe Drive south of Santa Fe Road in Columbia County.



Santa Fe River Near Fort White

[Hydrograph Link](#)

SANTA FE RIVER NEAR FORT WHITE (IN NAVD88)



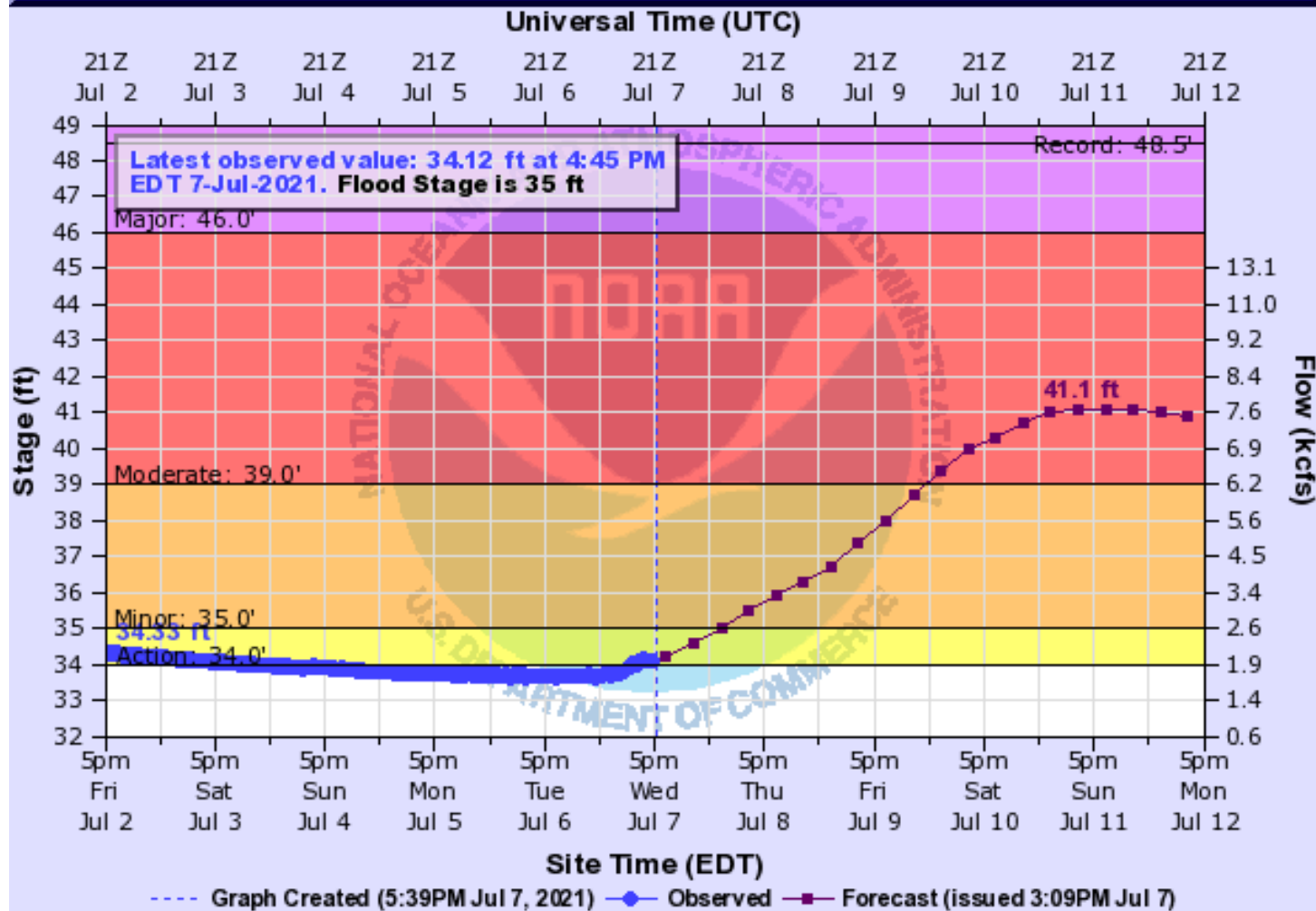
- 29 Major damage and disruption to the community is expected. Roads will be cut off and many homes will be surrounded by water. Boat wash damage to homes will be severe.
- 25 Damage to homes at low elevation as well as basement areas underneath homes on stilts is likely.
- 23.25 Florida Fish and Wildlife Commission begins enforcement of a no wake zone on the Santa Fe River from the centerline of the US 27 Bridge downstream to one-half mile upstream from the State Road 47 Bridge.
- 23 Minor damage to dwellings is possible due to boat wash.



Santa Fe River Near High Springs

[Hydrograph Link](#)

SANTA FE RIVER NEAR HIGH SPRINGS (IN NAVD88)



HSPF1(plotting HGIRG) "Gage 0" Datum: 0'

Observations courtesy of SRWMD

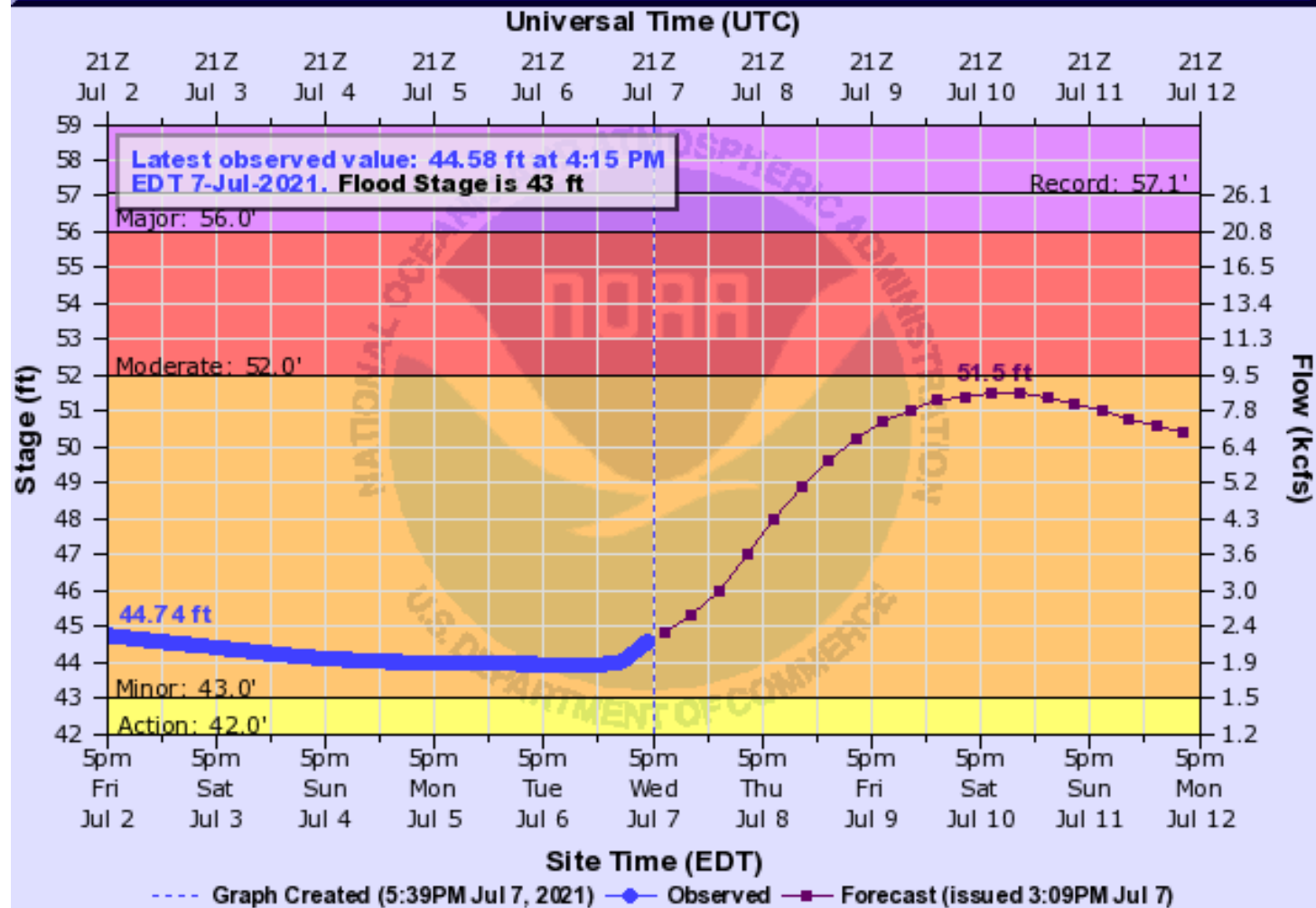
- 41 In Columbia County, several homes at Southeast Resort Circle are surrounded by flood waters. Outbuildings flood at this level.
- 39 In Columbia County, Southeast Resort Circle floods near the entrance of the subdivision, restricting access to all homes in the area.
- 37 Water begins to approach two residences along the river at the end of Southeast Resort Circle in Columbia County. The boat ramp near the US-27 bridge in Columbia County begins to flood at this level.
- 35 Wooded areas along the river begin to flood. The boat ramp south of US-441 in Alachua County is inaccessible above this level.
- 34.2 Florida Fish and Wildlife Commission begins enforcement of a no wake zone on the Santa Fe River from the River Rise in O'Leno State Park downstream to the center line of the US 27 Bridge.
- 33 High water will begin to impact docks and boat ramps in the area.



Santa Fe River At O'Leno State Park

[Hydrograph Link](#)

SANTA FE RIVER AT O'LENO STATE PARK (IN NAVD88)



OLPF1(plotting HGIRG) "Gage 0" Datum: 0'

Observations courtesy of US Geological Survey

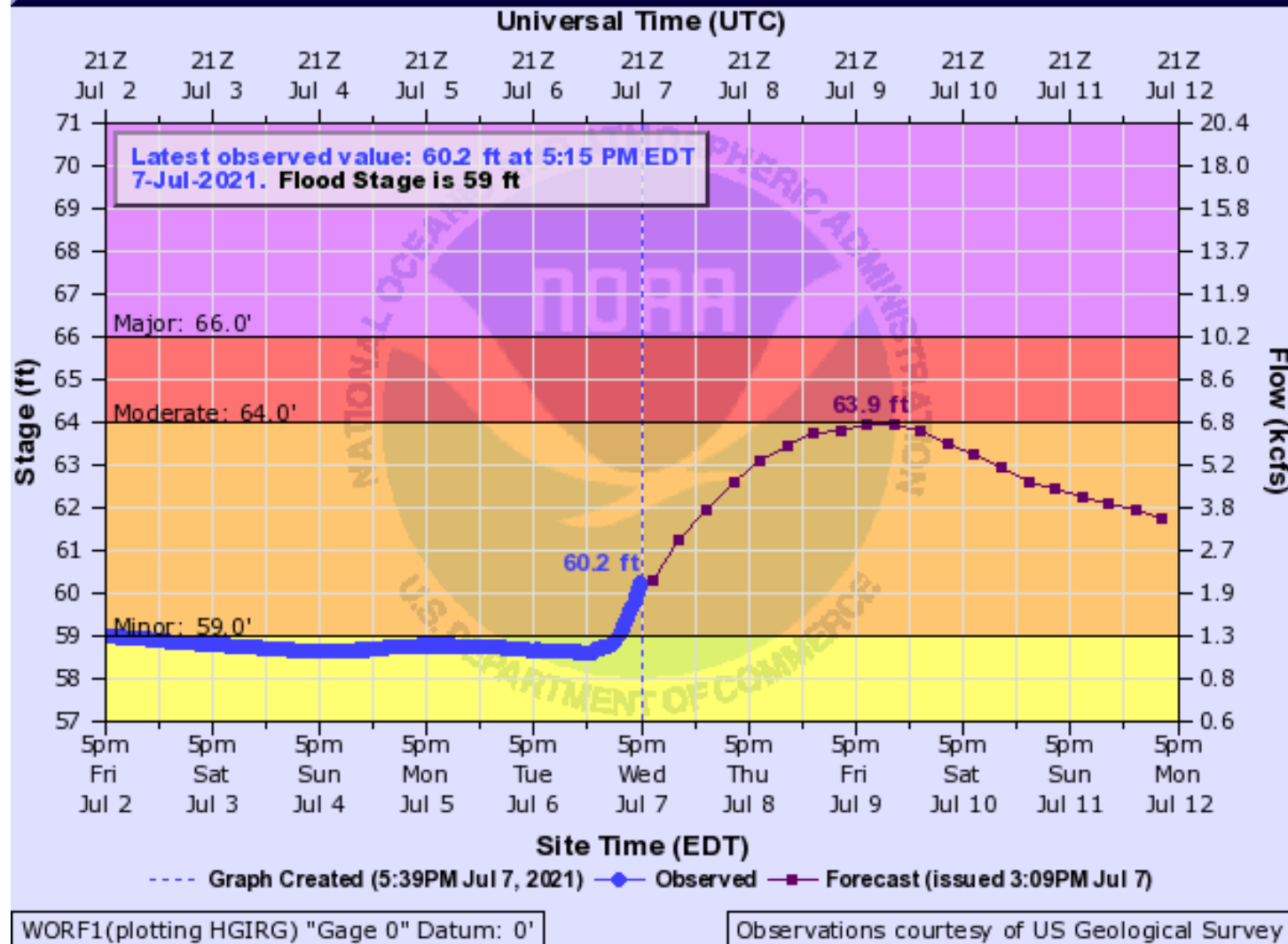
- 53 Water reaches the base of the suspension bridge at the O'leno State Park.
- 52 A barn floods upstream of O'leno State park in Alachua County at this level.
- 45 Numerous walking trails in O'leno State Park are flooded on the Alachua County side of the river. Flooding begins to affect local roads north of Buzzard Roost Prairie in Columbia County.
- 43 Access to river gage becomes limited as the Bible Camp Road boat ramp becomes flooded and the last half mile of Bible Camp Road begins to flood in Columbia County. Overland flooding begins past the Santa Fe River sink in the park and will cut-off access road to south end of the park.
- 42 Boat ramp at the end of Bible Camp Road begins to flood.
- 41 Swimming becomes dangerous in the river in the park area.



Santa Fe River at Worthington Springs

[Hydrograph Link](#)

SANTA FE RIVER AT WORTHINGTON SPRINGS (IN NAVD88)



- 64 Southwest 99th Avenue in Union County is subject to closure above this level restricting access to homes near the river. Water begins to approach a couple of residences in the area. Structures south of County Road 18 near Southwest 78th Court begin to flood.
- 63 Southwest 99th Avenue in Union County begins to flood.
- 62 In Union County, flooding expands across farm land south of County Road 18 and approaches the road surface about 1 mile east of Southwest County Road 241.
- 60 A driveway near Southwest 102nd Court in Union County begins to flood at this level. Flooding along the river continues to impact boat ramps, docks and campgrounds in the area.
- 59 Chastain-Seay Park in Worthington Springs is generally closed to the public as access roads within the park become flooded.
- 58 Picnic Areas and campsites at Chastain-Seay Park in Worthington Springs begin to flood.
- 56 The boat ramp and floating dock at Chastain-Seay Park in Worthington Springs begin to flood.

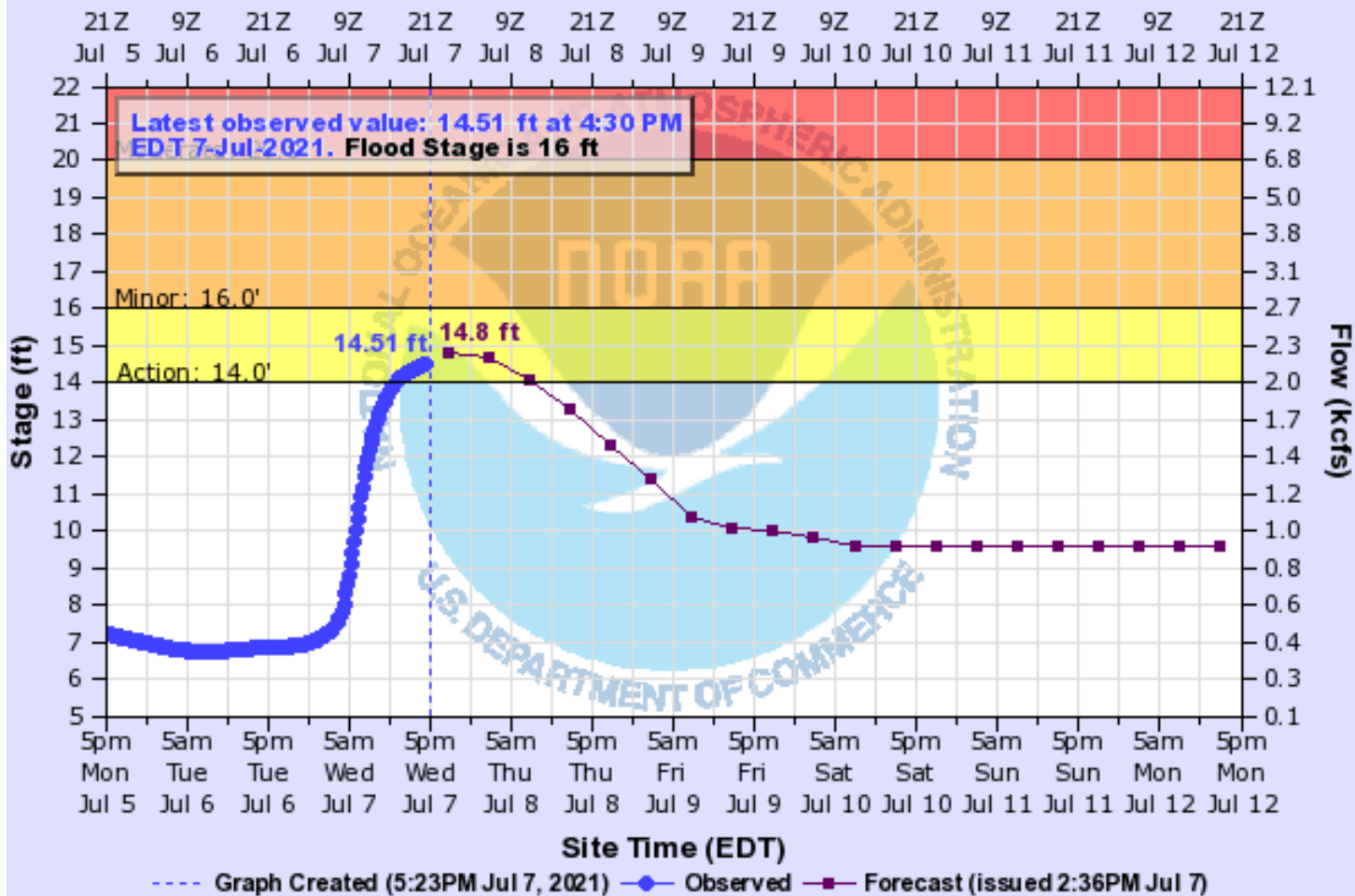


Peace River at Zolfo Springs

[Hydrograph Link](#)

PEACE RIVER (FL) AT ZOLFO SPRINGS

Universal Time (UTC)



28.1 Water reaches the U.S. 17 bridge roadbed.

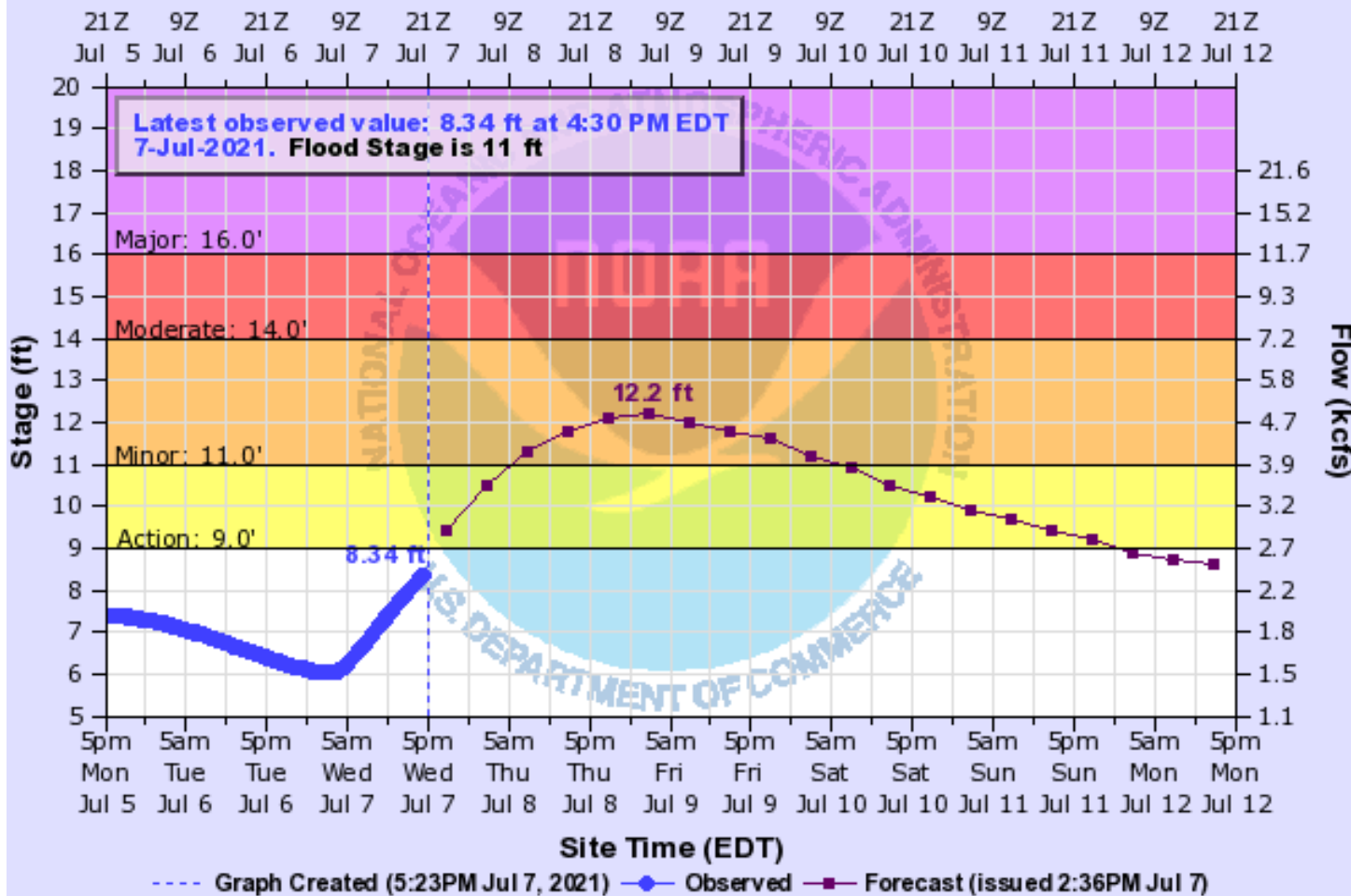


Peace River at SR 70 Arcadia

[Hydrograph Link](#)

PEACE RIVER (FL) AT SR 70 ARCADIA

Universal Time (UTC)



ARCF1(plotting HGIRG) "Gage 0" Datum: 6'

Observations courtesy of US Geological Survey

- 15.5 25 homes at River Acres are impacted.
- 15 River Acres is impacted.
- 14 Peace River Campground floods and 6 homes at River Acres are impacted.
- 13 Peace River Estates floods affecting several dozen homes.
- 12 The Girl Scout camp floods.
- 11 Access roads to river acres become flooded.
- 10 3 to 4 homes in the river acres subdivision flood and the lowest portion of the girl scout camp floods.

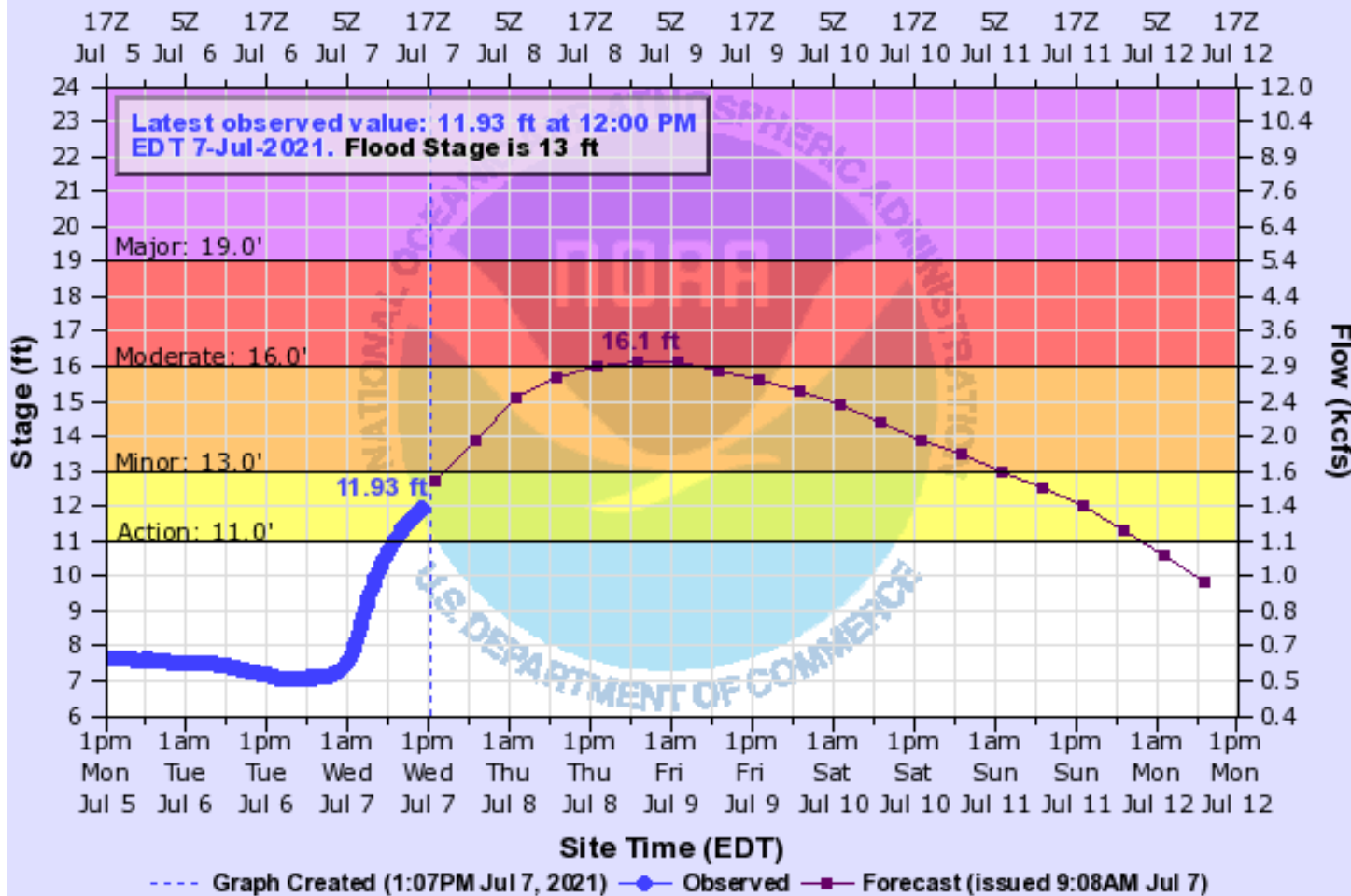


Alafia River at Lithia Pinecrest Road at Lithia

[Hydrograph Link](#)

ALAFIA RIVER (FL) AT LITHIA PINECREST ROAD AT LITHIA

Universal Time (UTC)



LITF1(plotting HGIRG) "Gage 0" Datum: 6.04'

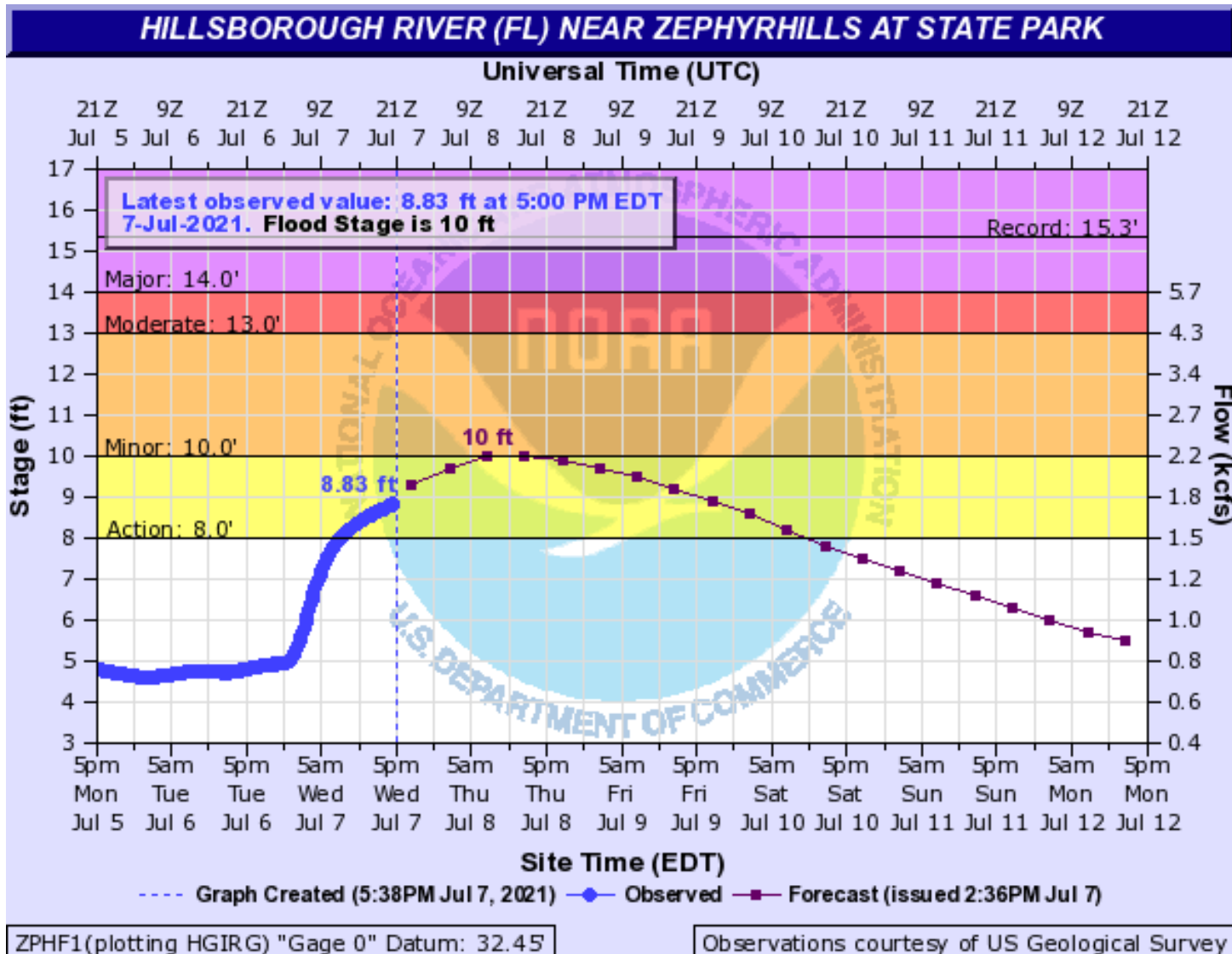
Observations courtesy of US Geological Survey

- 27 Water covers County Road 640 Lithia area.
- 15 Additional residences downstream of County Road 640 bridge begin flooding.
- 13 River Drive and Squirrel Run Way downstream of County Road 640 are completely covered by water. One home begins to flood.
- 12 Water begins to affect River Drive and Squirrel Run Way downstream of County Road 640.



Hillsborough River Near Zephyrhills at State Park

[Hydrograph Link](#)



- 13.4 Streets in Crystal Springs flood and homes are isolated, but no flooding into homes occurs.
- 11 Hillsborough River State Park may be closed. Lowland flooding occurs at the mobile home park near Branchton on State Road 579.
- 8 Some State Park operations are suspended.

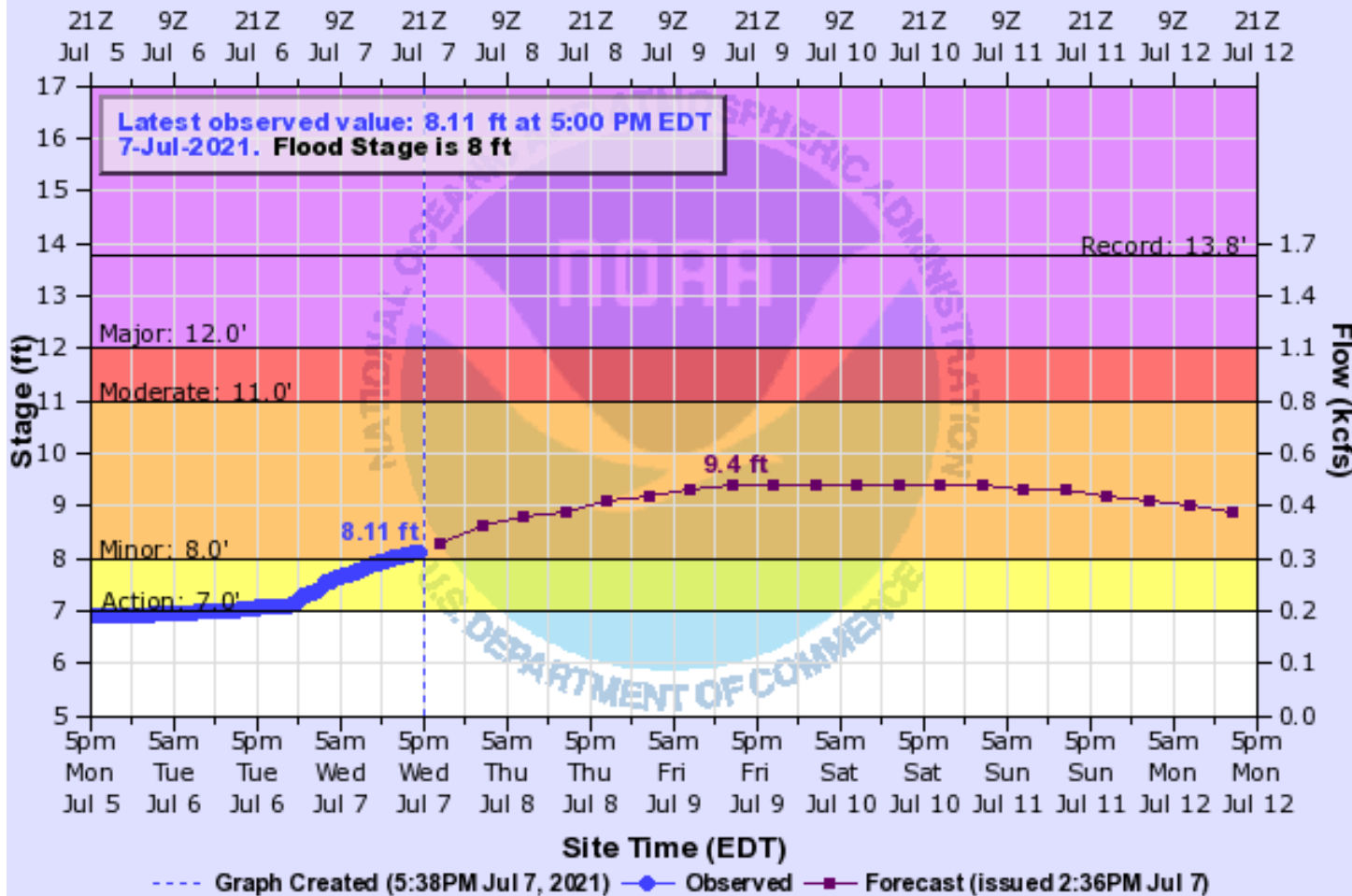


Cypress Creek at SR54 Worthington Gardens

[Hydrograph Link](#)

CYPRESS CREEK (FL) AT SR 54 WORTHINGTON GARDENS

Universal Time (UTC)



WRGF1(plotting HGIRG) "Gage 0" Datum: 39.06'

Observations courtesy of US Geological Survey

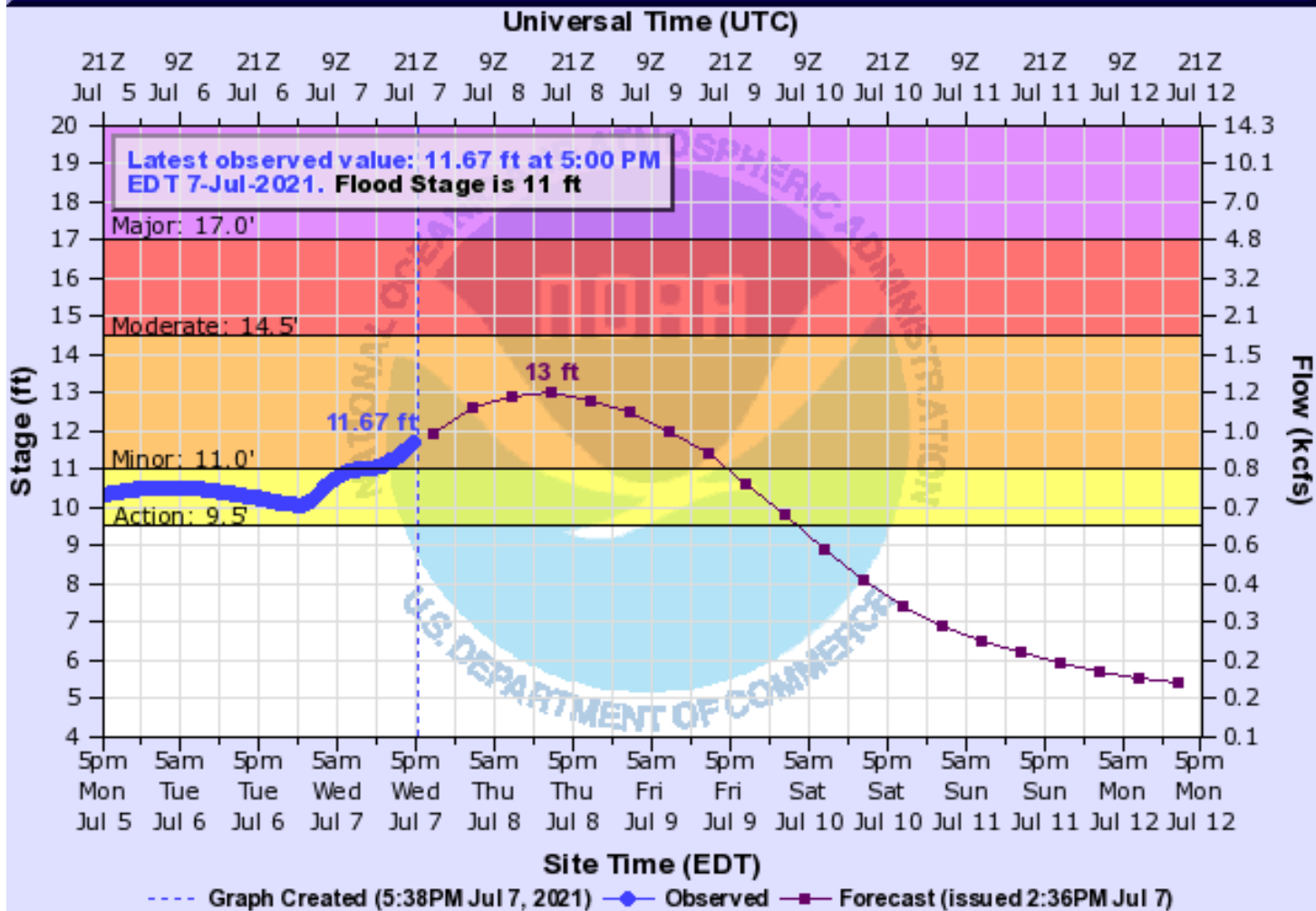
- 20 Water reaches the roadbed level of State Road 54.
- 12 The walkway to the river gage floods.
- 11 Flooding threatens two homes on State Road 54.
- 8 Flooding begins at the recreation area on State Road 54.



Little Manatee River Near Wimauma at US301

[Hydrograph Link](#)

LITTLE MANATEE RIVER (FL) NEAR WIMAUMA AT US 301



WIMF1(plotting HGIRG) "Gage 0" Datum: 0.88'

Observations courtesy of US Geological Survey

- 22.5 Water reaches the State Road 301 bridge roadbed.
- 14.5 Flooding of several houses begins near 32nd and 33rd streets in Ruskin.
- 13 The canoe rental area floods.
- 11 The river overflows its banks.

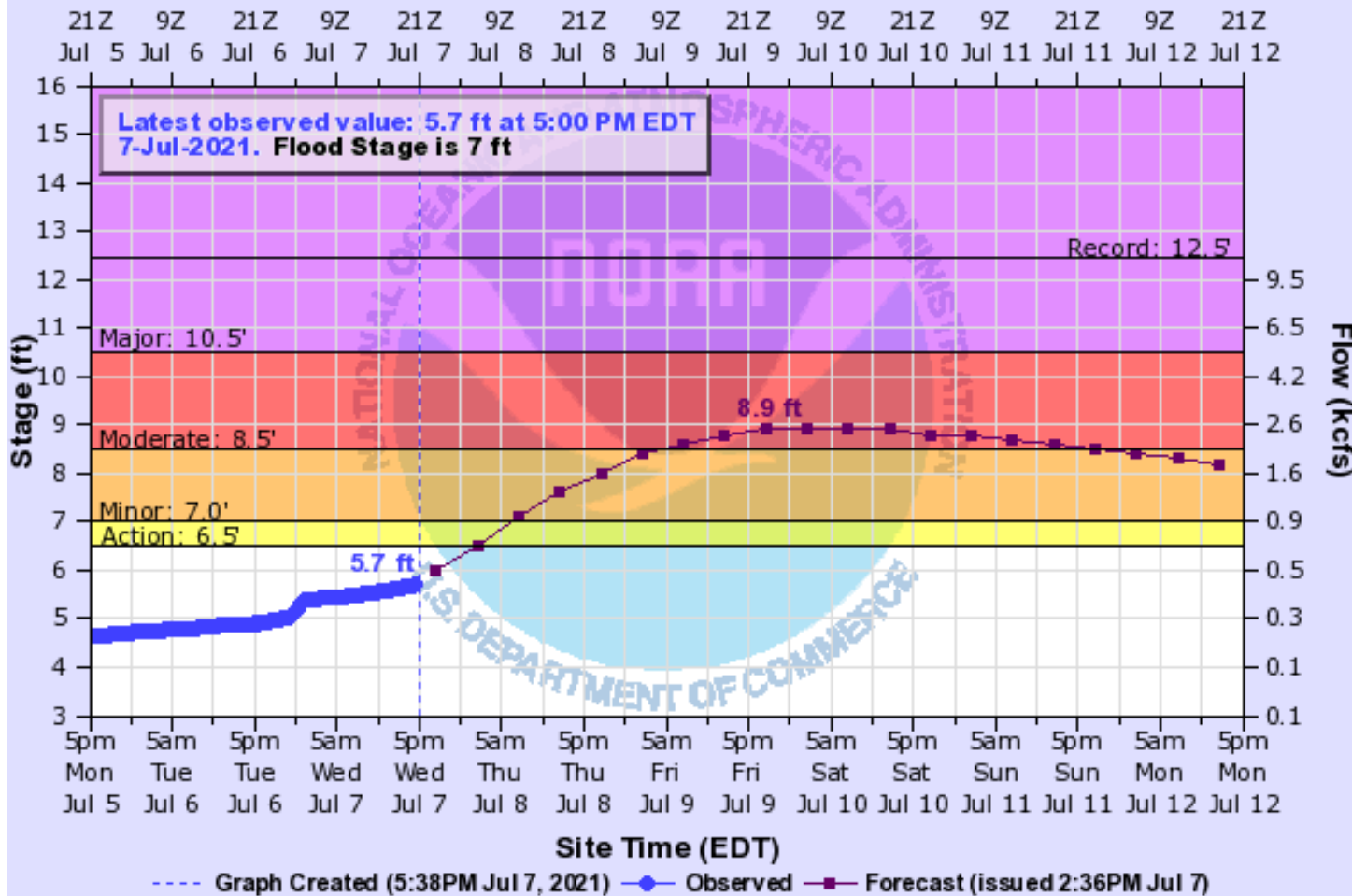


Myakka River at Myakka River State Park

[Hydrograph Link](#)

MYAKKA RIVER (FL) AT MYAKKA RIVER STATE PARK

Universal Time (UTC)



MKCF1(plotting HGIRG) "Gage 0" Datum: 7.92'

Observations courtesy of US Geological Survey

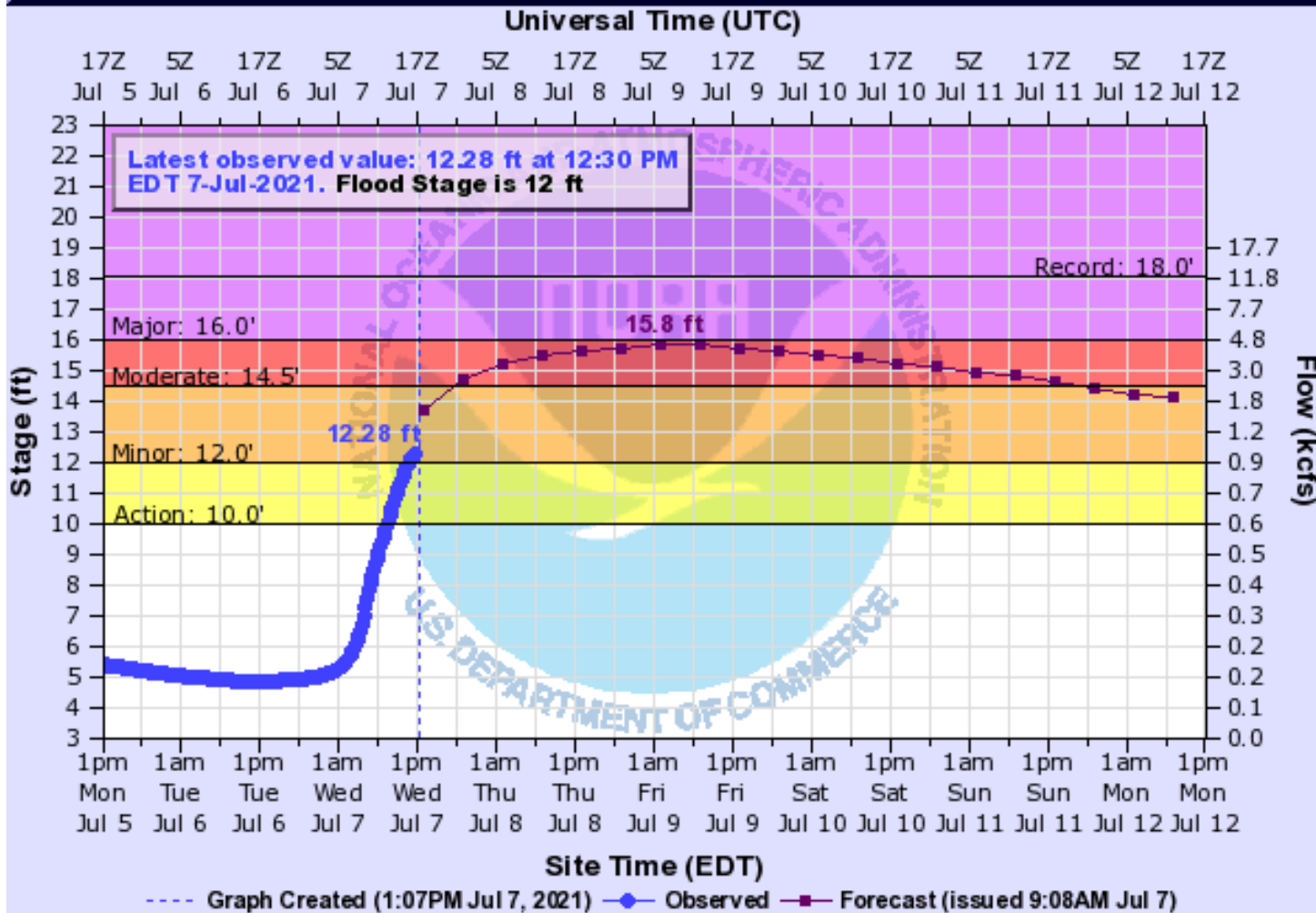
- 11 Homes and bogs flood, water approaches State Road 72.
- 10.6 The walkway to the river gage floods.
- 8.5 Most of Myakka State Park is closed.
- 8 The main road at Myakka State Park floods.
- 7 Trails, picnic areas, and parking lots at Myakka State Park flood.



Horse Creek Near Arcadia at SR 72

[Hydrograph Link](#)

HORSE CREEK (FL) NEAR ARCADIA AT SR 72



ARHF1(plotting HGIRG) "Gage 0" Datum: 10.96'

Observations courtesy of US Geological Survey

17.73 Flooding affects over 100 homes.

17 Water reaches the Outward Bound center.

16 Water is on State Highways 72 and 761.

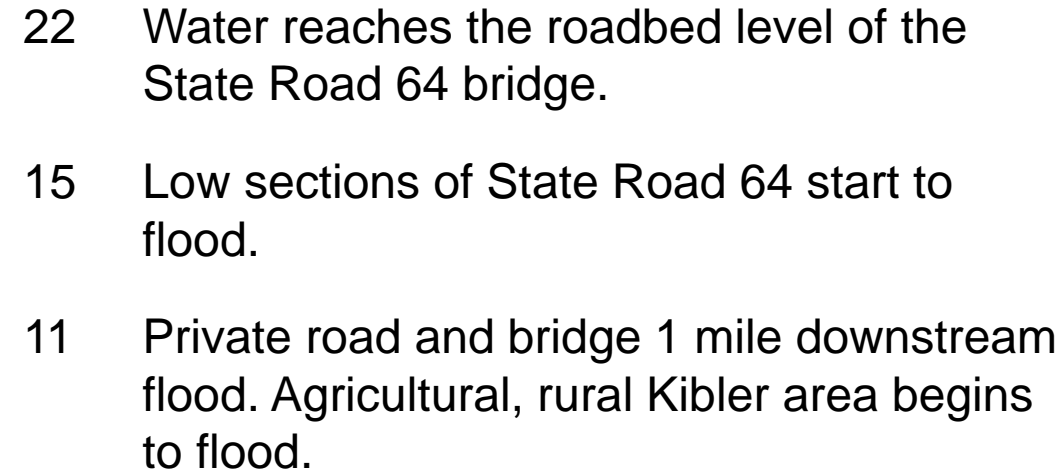
15 Royal Park Estates are affected near State Road 72.

14 Buildings in Hidden Acres flood.

12 The access road to Hidden Acres is impassable.

11 Secondary roads in hidden acres and royal palm begin to flood.

10.5 Two homes become isolated.



Observations courtesy of US Geological Survey

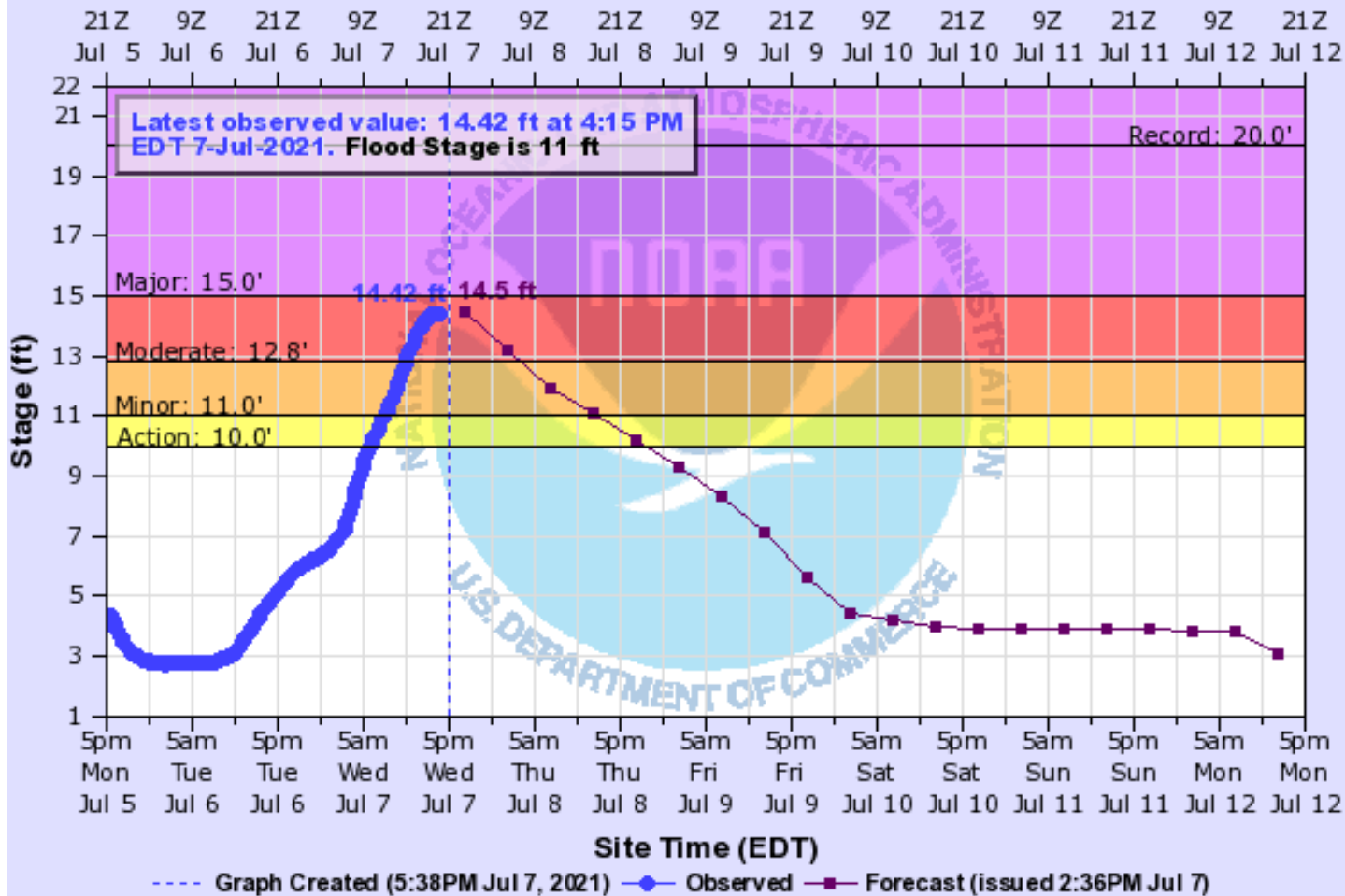


Manatee River at Rye Bridge

[Hydrograph Link](#)

MANATEE RIVER (FL) AT RYE BRIDGE

Universal Time (UTC)



RYEF1(plotting HGIRG) "Gage 0" Datum: 0'

Observations courtesy of US Geological Survey

- 17 Water reaches the foundations of elevated homes and the Christian Retreat center.
- 12.8 Water reaches the roadbed of the Old Rye Bridge.
- 11.7 Water reaches the foundation of the first house.

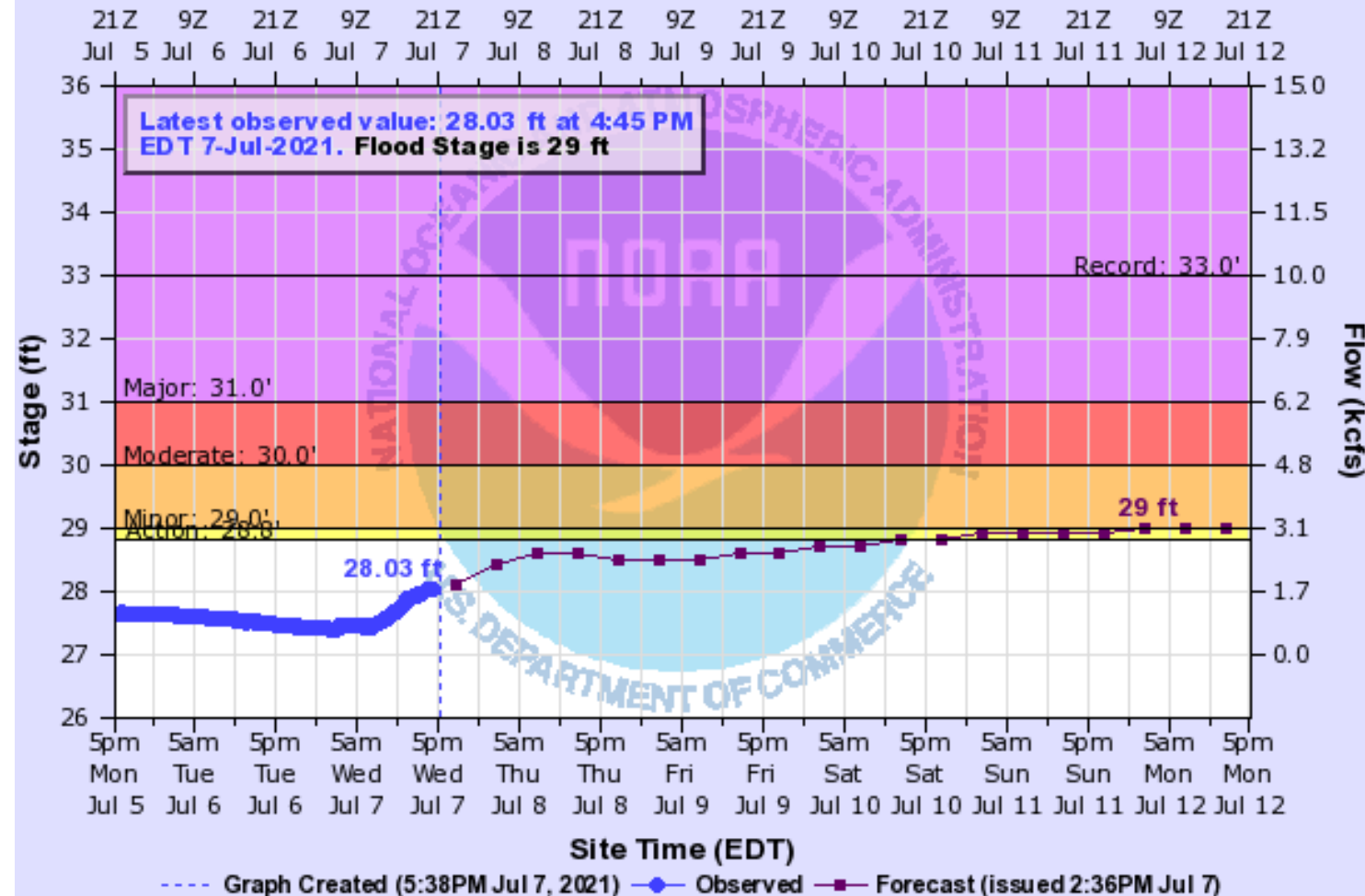


Withlacoochee River at Dunnellon

[Hydrograph Link](#)

WITHLACOOCHEE RIVER (FL) AT US 41 DUNNELLON

Universal Time (UTC)



29

Docks and
boat ramps
flood.