



Hurricane Dorian - Advisory #36

For Planning Purposes Only!

WASHINGTON, DC
09:48:00
02 Sep 2019

CHICAGO
08:48:00
02 Sep 2019

LOS ANGELES
06:48:00
02 Sep 2019

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=83

Updated as of 2 Sep 2019 (9:48 AM Eastern Daylight Time)



Debris

342,615
cu. yd.

Florida 100% (342,615)

Georgia <1% (0)
North Carolina <1% (0)
South Carolina <1% (0)



Temporary Roofing

486
units

Florida 100% (486)

Georgia <1% (0)
North Carolina <1% (0)
South Carolina <1% (0)



Population

7,580,379
people

Florida 83% (6,280,084)

South Carolina 15% (1,165,360)
Georgia 2% (126,076)
North Carolina <1% (8,859)



Households

2,461,221
households

Florida 84% (2,055,499)

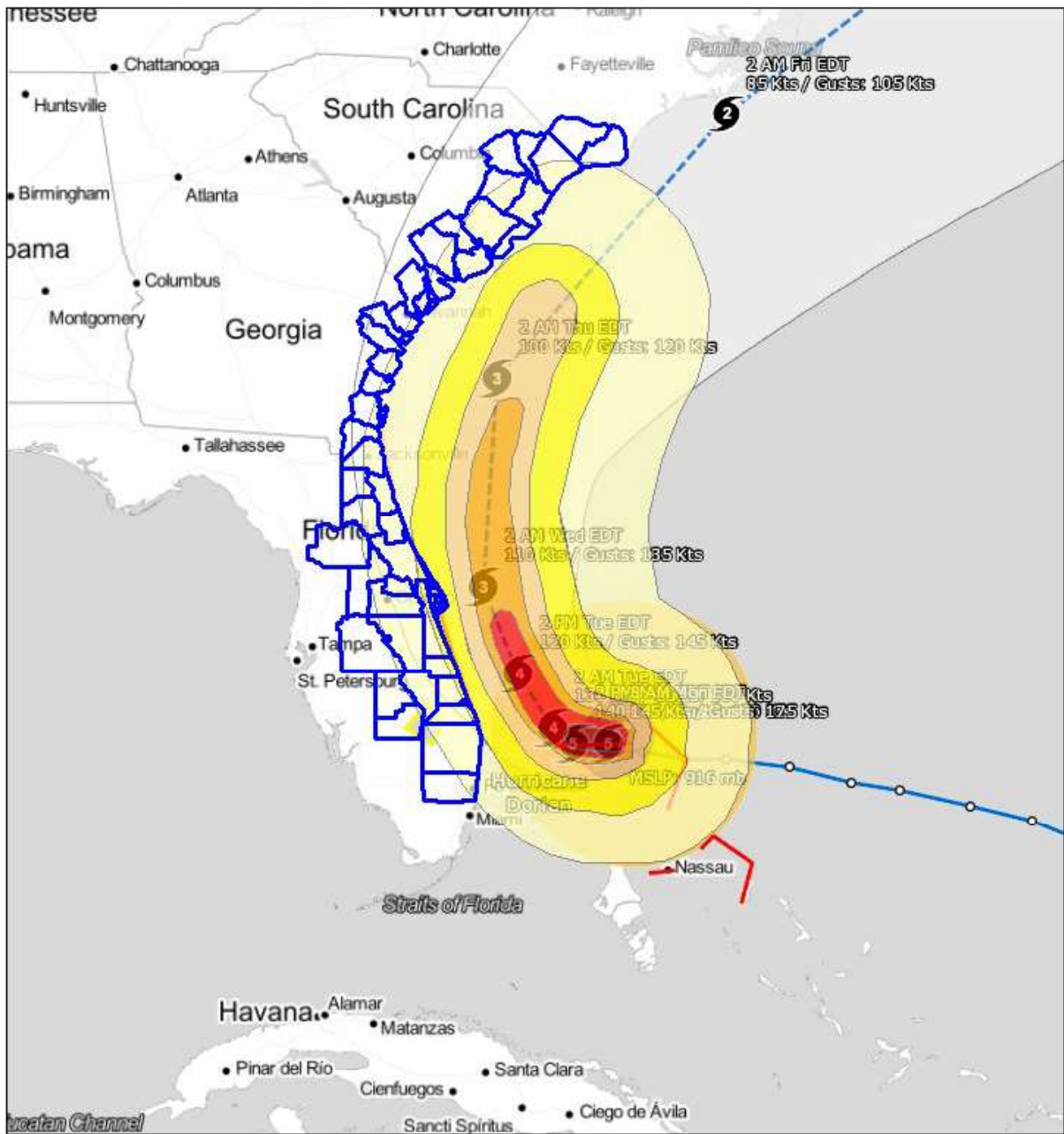
South Carolina 15% (360,439)
Georgia 2% (42,902)
North Carolina <1% (2,382)



Critical Infrastructure

Florida

- (17) 15 - 35 kW
- (28) 35 - 75 kW
- (5) 35 - 100 kW
- (3) 40 - 100 kW
- (50) 200 - 300 kW
- (2) 400 - 600 kW
- (9) 800 - 2000 kW



1:8,891,555

Counties	4	Tropical Storm Warning	0 75 150 300 mi
0	5		0 120 240 480 km
1	Hurricane Watch		
2	Hurricane Warning		
3	Tropical Storm Watch		

NOAA/NOS/OCSS now/COAST, NOAA/NWS/NHC, NOAA/NWS/OPHC
Map files by Stamen Design

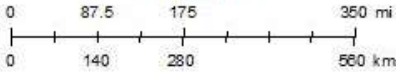


Mission Summaries

Debris

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards

1:10,271,832



Mission Summary



The mission models account for storm surge and wind damage only, but do not account for other related storm hazards that may affect the mission estimates.

Mission Summary	
Total Counties	41
Debris (cu. yd.)	342,615
Temporary Roofing (units)	486
Population	7,580,378.82
Households	2,461,221.029

Population Distribution	
Tropical Storm	6,863,111
Category 1	436,698

FLORIDA	Yards of Debris (342,615)	Roof Units (486)	Population (6,280,084)	Households (2,055,499)
Brevard	223,052	316	558,391	198,206
Broward	0	0	382,048	142,484
Clay	0	0	48,177	12,566
Duval	0	0	904,256	303,747
Flagler	0	0	96,812	21,294
Glades	0	0	501	173
Highlands	0	0	4,708	1,720
Indian River	30,000	43	143,383	49,136
Lake	0	0	111,588	32,217
Marion	0	0	29,957	9,302
Martin	13,154	19	142,906	55,121
Nassau	0	0	14,924	4,441
Okeechobee	0	0	40,564	12,593
Orange	0	0	1,118,349	336,286
Osceola	0	0	281,872	60,977
Palm Beach	1,259	2	884,898	324,126
Polk	0	0	39,965	12,480
Putnam	0	0	74,733	27,839
Seminole	0	0	424,370	139,572
St. Johns	0	0	191,550	49,614
St. Lucie	31,295	44	277,340	76,926
Volusia	43,856	62	508,791	184,679

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (126,076)	Households (42,902)
Bryan	0	0	222	54
Camden	0	0	14,461	4,287
Chatham	0	0	83,205	28,875
Glynn	0	0	19,353	6,710
Liberty	0	0	4,268	1,376
McIntosh	0	0	4,566	1,600

NORTH CAROLINA	Yards of Debris (0)	Roof Units (0)	Population (8,859)	Households (2,382)
Brunswick	0	0	8,858	2,381
Columbus	0	0	2	1

SOUTH CAROLINA	Yards of Debris (0)	Roof Units (0)	Population (1,165,360)	Households (360,439)
Beaufort	0	0	163,012	45,532
Berkeley	0	0	175,573	49,922
Charleston	0	0	361,569	123,326
Colleton	0	0	13,778	5,025
Dorchester	0	0	60,796	15,667
Florence	0	0	5,333	1,849
Georgetown	0	0	64,020	21,659
Horry	0	0	279,428	81,800
Jasper	0	0	1,490	448
Marion	0	0	3,867	1,498
Williamsburg	0	0	36,494	13,714

Critical Infrastructure

Summary			
Total Structures		1,018	
Power Requirements		33,589.0	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (15)	0.8	35 - 75	41.3
Cellular Towers (61)	36.6	35 - 75	2,013.0
FM Antennas (60)	3.0	35 - 75	165.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (99)	0.0	200 - 300	0.0
Public Schools (171)	51.3	200 - 300	12,825.0
Colleges and Universities (9)	0.2	200 - 300	45.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (108)	10.8	15 - 35	270.0
Fire Stations (116)	11.6	15 - 35	290.0
Service Providers (1)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (45)	6.8	35 - 100	455.6
Hospitals (20)	6.0	800 - 2000	8,400.0
Urgent Care Facilities (26)	5.2	200 - 300	1,300.0
Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (1)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (4)	0.0	15 - 35	0.0
National Security Government Military Facilities (124)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (12)	2.4	400 - 600	1,200.0
Local Police (28)	2.8	15 - 35	70.0
State Police (4)	0.2	15 - 35	5.0
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (3)	0.6	15 - 40	16.5
State Emergency Operation Centers (EOCs) (0)	0.0	15 - 35	0.0

State Facilities	# FED Gen Req	Range (kW)	Req kW
Governors Mansion (0)	0.0	100 - 200	0.0
Major State Government Building (0)	0.0	100 - 200	0.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (33)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (20)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (6)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (39)	4.7	40 - 100	327.6

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (11)	4.4	800 - 2000	6,160.0

Report Generated by SimSuite

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=83