



Hurricane Dorian - Advisory #37

For Planning Purposes Only!

WASHINGTON, DC
11:32:22
02 Sep 2019

CHICAGO
10:32:22
02 Sep 2019

LOS ANGELES
08:32:22
02 Sep 2019

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=84

Updated as of 2 Sep 2019 (11:32 AM Eastern Daylight Time)



Debris

282,457
cu. yd.

Florida 60% (170,540)

South Carolina 40% (111,917)

Georgia <1% (0)

North Carolina <1% (0)



Temporary Roofing

453
units

Florida 60% (273)

South Carolina 40% (179)

Georgia <1% (0)

North Carolina <1% (0)



Population

8,845,386
people

Florida 74% (6,546,265)

South Carolina 17% (1,515,260)

Georgia 6% (526,994)

North Carolina 3% (256,867)



Households

2,861,374
households

Florida 74% (2,130,269)

South Carolina 17% (476,368)

Georgia 6% (172,631)

North Carolina 3% (82,107)



Critical Infrastructure

Florida

(6) 15 - 35 kW

(15) 35 - 75 kW

(7) 35 - 100 kW

(1) 40 - 100 kW

(17) 200 - 300 kW

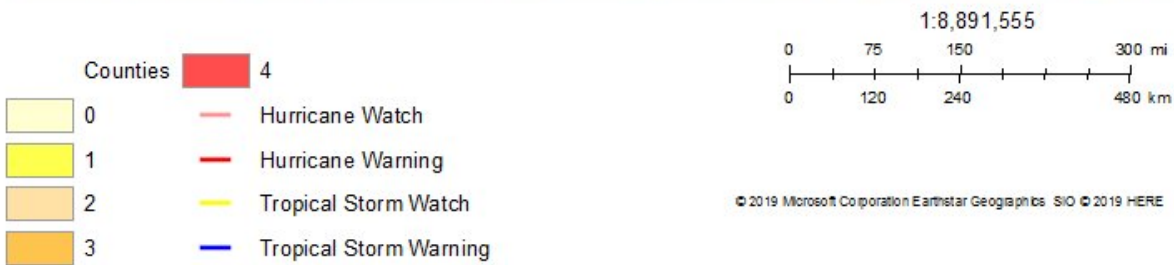
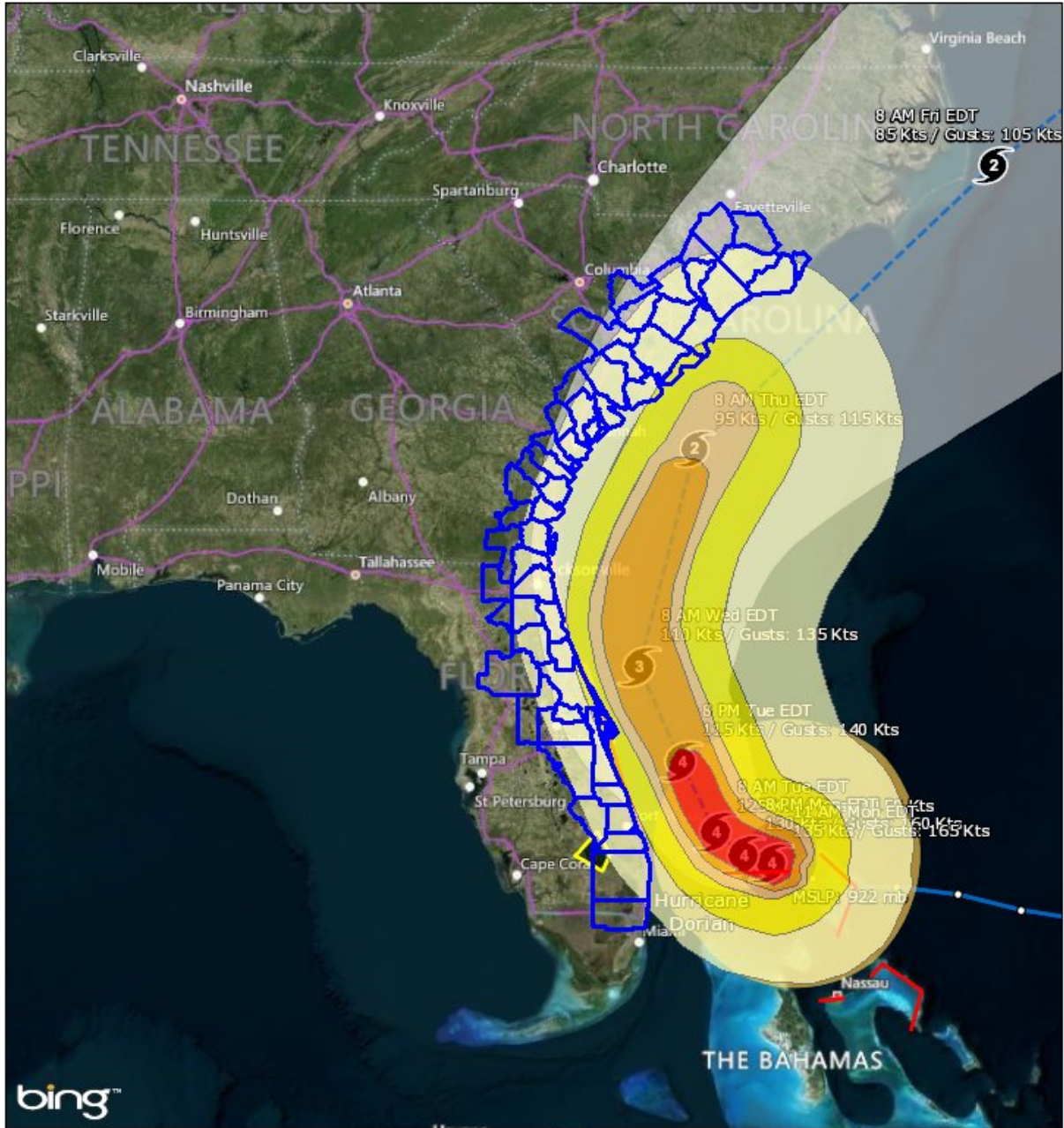
(1) 800 - 2000 kW

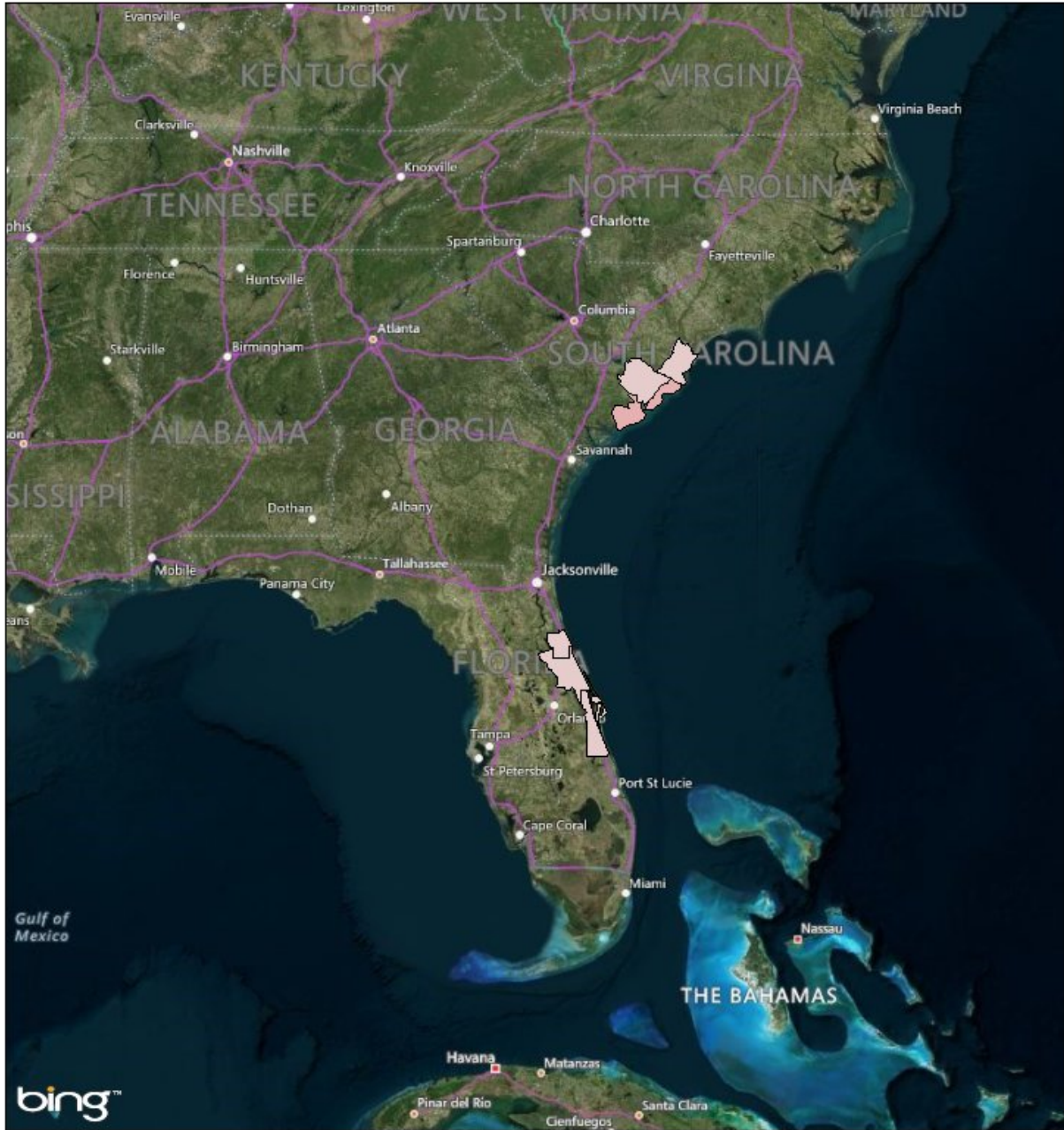
South Carolina

(2) 15 - 35 kW

(7) 35 - 75 kW

(7) 200 - 300 kW



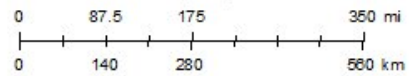


Mission Summaries

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	53
Debris (cu. yd.)	282,457
Temporary Roofing (units)	453
Population	8,845,386.46
Households	2,861,374.017

Population Distribution	
Tropical Storm	8,441,640
Category 1	403,740

FLORIDA	Yards of Debris (170,540)	Roof Units (273)	Population (6,546,265)	Households (2,130,269)
Baker	0	0	266	70
Bradford	0	0	284	83
Brevard	82,970	133	558,349	198,191
Broward	0	0	24,366	9,087
Clay	0	0	192,632	50,243
Duval	0	0	904,256	303,747
Flagler	1,257	2	96,808	21,293
Indian River	0	0	143,385	49,137
Lake	0	0	117,479	33,917
Marion	0	0	78,964	24,519
Martin	0	0	143,340	55,288
Nassau	0	0	73,872	21,980
Okeechobee	0	0	40,564	12,593
Orange	0	0	1,118,349	336,286
Osceola	0	0	281,872	60,977
Palm Beach	0	0	1,294,546	474,175
Putnam	0	0	74,733	27,839
Seminole	0	0	424,370	139,572
St. Johns	0	0	191,550	49,614
St. Lucie	0	0	277,366	76,933
Volusia	86,312	138	508,914	184,723

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (526,994)	Households (172,631)
Brantley	0	0	3,062	1,029
Bryan	0	0	33,573	8,089
Camden	0	0	49,602	14,705
Charlton	0	0	775	240
Chatham	0	0	258,954	89,865
Effingham	0	0	22,178	5,379
Glynn	0	0	78,471	27,208
Liberty	0	0	60,111	19,383
Long	0	0	3,624	1,092
McIntosh	0	0	11,990	4,202
Wayne	0	0	4,654	1,439

NORTH CAROLINA	Yards of Debris (0)	Roof Units (0)	Population (256,867)	Households (82,107)
Bladen	0	0	679	269
Brunswick	0	0	113,235	30,438
Columbus	0	0	54,899	21,308
New Hanover	0	0	85,456	29,233
Robeson	0	0	2,598	859

SOUTH CAROLINA	Yards of Debris (111,917)	Roof Units (179)	Population (1,515,260)	Households (476,368)
Beaufort	0	0	163,012	45,532
Berkeley	1,432	2	175,575	49,923
Charleston	105,146	168	361,572	123,327
Clarendon	0	0	34,508	11,812
Colleton	0	0	39,678	14,470
Dillon	0	0	6,117	2,214
Dorchester	0	0	134,691	34,709
Florence	0	0	136,016	47,147
Georgetown	5,339	9	64,020	21,659
Hampton	0	0	4,171	1,470
Horry	0	0	279,428	81,800
Jasper	0	0	23,438	7,042
Marion	0	0	34,336	13,301
Orangeburg	0	0	19,820	7,392
Sumter	0	0	2,384	857
Williamsburg	0	0	36,494	13,714

Critical Infrastructure

Summary			
Total Structures		660	
Power Requirements		16,471.3	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (8)	0.4	35 - 75	22.0
Cellular Towers (55)	33.0	35 - 75	1,815.0
FM Antennas (36)	1.8	35 - 75	99.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (51)	0.0	200 - 300	0.0
Public Schools (93)	27.9	200 - 300	6,975.0
Colleges and Universities (9)	0.2	200 - 300	45.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (49)	4.9	15 - 35	122.5
Fire Stations (89)	8.9	15 - 35	222.5
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (51)	7.6	35 - 100	516.4
Hospitals (9)	2.7	800 - 2000	3,780.0
Urgent Care Facilities (15)	3.0	200 - 300	750.0
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 (2)	0.0	15 - 35	0.0
National Security Government Military Facilities (74)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (2)	0.4	400 - 600	200.0
Local Police (20)	2.0	15 - 35	50.0
State Police (2)	0.1	15 - 35	2.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (0)	0.0	15 - 40	0.0
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 (1)	0.1	100 - 200	15.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (47)	0.0	600 - 1200	0.0
Amtrak Stations (1)	0.0	100 - 300	0.0
Bus Stations (16)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (5)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (21)	2.5	40 - 100	176.4

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (3)	1.2	800 - 2000	1,680.0

Report Generated by SimSuite

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