



Hurricane Dorian - Advisory #38

For Planning Purposes Only!

WASHINGTON, DC
18:36:12
02 Sep 2019

CHICAGO
17:36:12
02 Sep 2019

LOS ANGELES
15:36:12
02 Sep 2019

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=85

Updated as of 2 Sep 2019 (6:36 PM Eastern Daylight Time)



Debris

652,589
cu. yd.

South Carolina 70% (458,972)

North Carolina 29% (189,927)

Florida <1% (3,689)

Georgia <1% (0)



Temporary Roofing

962
units

South Carolina 70% (677)

North Carolina 29% (280)

Florida <1% (5)

Georgia <1% (0)



Population

9,459,293
people

Florida 60% (5,675,383)

North Carolina 18% (1,713,972)

South Carolina 16% (1,535,137)

Georgia 6% (534,802)



Households

3,050,760
households

Florida 60% (1,817,942)

North Carolina 19% (574,186)

South Carolina 16% (483,868)

Georgia 6% (174,765)



Critical Infrastructure

Florida

(1) 35 - 75 kW

North Carolina

(11) 15 - 35 kW

(18) 35 - 75 kW

(1) 40 - 100 kW

(5) 200 - 300 kW

(1) 400 - 600 kW

(2) 800 - 2000 kW

South Carolina

(27) 15 - 35 kW

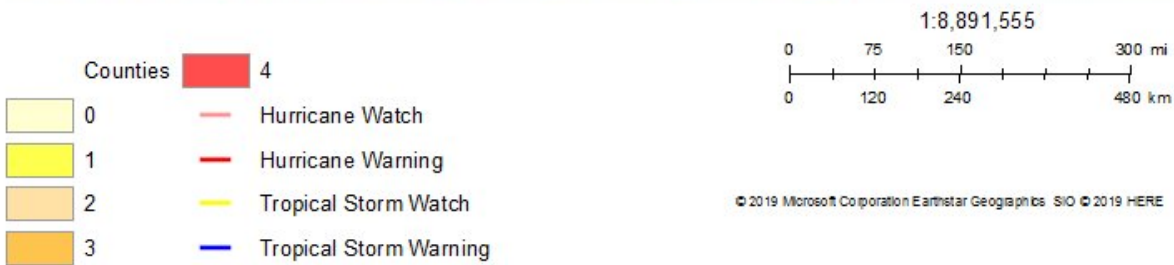
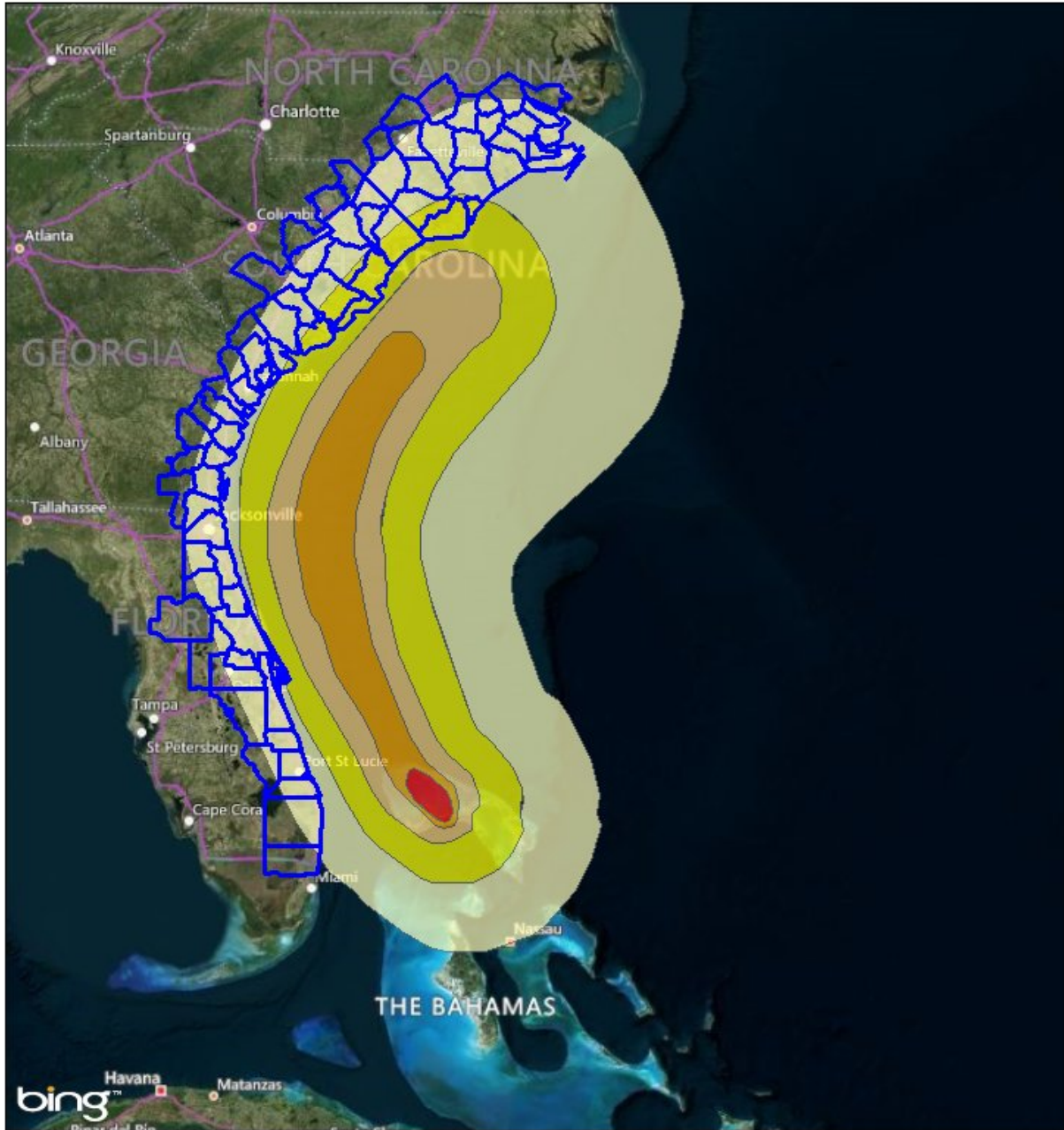
(45) 35 - 75 kW

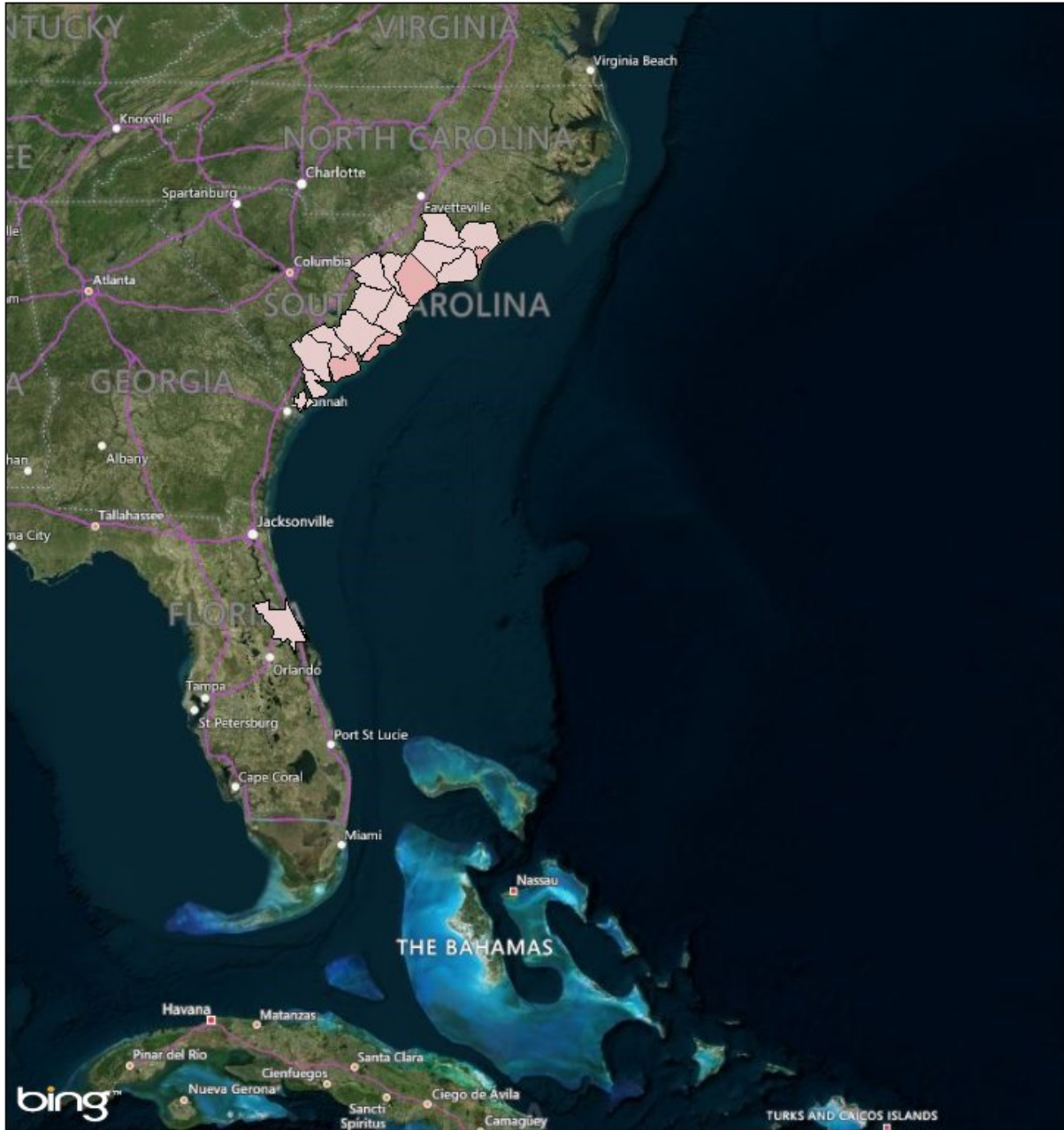
(2) 40 - 100 kW

(54) 200 - 300 kW

(1) 400 - 600 kW

(9) 800 - 2000 kW

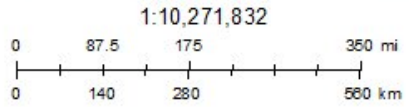




Mission Summaries

Debris

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



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	70
Debris (cu. yd.)	652,589
Temporary Roofing (units)	962
Population	9,459,293.491
Households	3,050,760.114

Population Distribution	
Tropical Storm	8,216,046
Category 1	1,180,156

FLORIDA	Yards of Debris (3,689)	Roof Units (5)	Population (5,675,383)	Households (1,817,942)
Brevard	0	0	558,359	198,195
Broward	0	0	19,371	7,224
Clay	0	0	192,632	50,243
Duval	0	0	904,256	303,747
Flagler	0	0	96,812	21,294
Indian River	0	0	143,385	49,137
Lake	0	0	91,971	26,553
Marion	0	0	21,242	6,596
Martin	0	0	143,340	55,288
Nassau	0	0	73,872	21,980
Okeechobee	0	0	14,557	4,519
Orange	0	0	1,118,349	336,286
Osceola	0	0	281,872	60,977
Palm Beach	0	0	538,541	197,260
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	3,689	5	508,806	184,684

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (534,802)	Households (174,765)
Brantley	0	0	4,535	1,525
Bryan	0	0	33,573	8,089
Camden	0	0	49,602	14,705
Charlton	0	0	796	246
Chatham	0	0	258,954	89,865
Effingham	0	0	27,045	6,560
Glynn	0	0	78,471	27,208
Liberty	0	0	60,111	19,383
Long	0	0	3,074	926
McIntosh	0	0	11,990	4,202
Wayne	0	0	6,650	2,056

NORTH CAROLINA	Yards of Debris (189,927)	Roof Units (280)	Population (1,713,972)	Households (574,186)
Beaufort	0	0	46,951	18,319
Bladen	138	0	32,577	12,897
Brunswick	52,861	78	113,235	30,438
Carteret	0	0	64,494	25,204
Columbus	16,327	24	54,916	21,315
Craven	0	0	99,813	34,582
Cumberland	0	0	324,167	107,358
Duplin	0	0	54,388	18,267
Greene	0	0	21,331	6,696
Harnett	0	0	1,290	377
Hoke	0	0	778	191
Johnston	0	0	24,752	6,612
Jones	0	0	10,288	4,061
Lenoir	0	0	57,180	23,862
New Hanover	118,411	175	199,320	68,183
Onslow	0	0	172,836	48,122
Pamlico	0	0	12,853	5,178
Pender	2,191	3	54,546	16,054
Pitt	0	0	55,321	17,908
Robeson	0	0	132,092	43,677
Sampson	0	0	65,513	22,273
Wayne	0	0	115,330	42,612

SOUTH CAROLINA	Yards of Debris (458,972)	Roof Units (677)	Population (1,535,137)	Households (483,868)
Beaufort	12,972	19	163,011	45,532
Berkeley	41,705	61	175,573	49,922
Charleston	214,177	316	361,569	123,326
Clarendon	0	0	34,508	11,812
Colleton	1,039	2	33,844	12,343
Darlington	0	0	2,432	931
Dillon	0	0	30,941	11,199
Dorchester	1,627	2	133,362	34,367
Florence	335	0	125,434	43,479
Georgetown	37,615	55	64,020	21,659
Hampton	0	0	4,464	1,573
Horry	142,060	209	279,428	81,800
Jasper	0	0	23,438	7,042
Marion	2,172	3	34,336	13,301
Marlboro	0	0	2,075	750
Orangeburg	0	0	19,383	7,229
Sumter	0	0	10,825	3,890
Williamsburg	5,271	8	36,494	13,714

Critical Infrastructure

Summary			
Total Structures		1,482	
Power Requirements		42,262.5	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (21)	1.1	35 - 75	57.8
Cellular Towers (115)	69.0	35 - 75	3,795.0
FM Antennas (91)	4.5	35 - 75	250.3
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (96)	0.0	200 - 300	0.0
Public Schools (178)	53.4	200 - 300	13,350.0
Colleges and Universities (24)	0.5	200 - 300	120.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (4)	0.4	15 - 35	10.0
Emergency Medical Service (159)	15.9	15 - 35	397.5
Fire Stations (228)	22.8	15 - 35	570.0
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (0)	0.0	35 - 100	0.0
Hospitals (24)	7.2	800 - 2000	10,080.0
Urgent Care Facilities (42)	8.4	200 - 300	2,100.0
Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (0)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (16)	0.0	15 - 35	0.0
National Security Government Military Facilities (176)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (10)	2.0	400 - 600	1,000.0
Local Police (45)	4.5	15 - 35	112.5
State Police (9)	0.5	15 - 35	11.3
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (5)	1.0	15 - 40	27.5
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 (1)	0.1	100 - 200	15.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (134)	0.0	600 - 1200	0.0
Amtrak Stations (1)	0.0	100 - 300	0.0
Bus Stations (28)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (20)	0.0	100 - 300	0.0
Railroad Stations (1)	0.0	100 - 300	0.0
Public-Use Airports (34)	4.1	40 - 100	285.6

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (1)	0.4	800 - 2000	560.0
Wastewater Treatment Plants (17)	6.8	800 - 2000	9,520.0

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