



# Hurricane Dorian - Adv. 40

For Planning Purposes Only!

WASHINGTON, DC  
09:25:07  
03 Sep 2019

CHICAGO  
08:25:07  
03 Sep 2019

LOS ANGELES  
06:25:07  
03 Sep 2019

[http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&\\_25=86](http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=86)

Updated as of 3 Sep 2019 (9:25 AM Eastern Daylight Time)



## Debris

1,018,110  
cu. yd.

North Carolina 68% (691,430)

South Carolina 32% (326,681)

Florida <1% (0)

Georgia <1% (0)

Virginia <1% (0)



## Temporary Roofing

1,724  
units

North Carolina 65% (1,122)

South Carolina 35% (602)

Florida <1% (0)

Georgia <1% (0)

Virginia <1% (0)



## Population

10,183,028  
people

Florida 41% (4,164,101)

North Carolina 27% (2,749,718)

South Carolina 17% (1,703,184)

Virginia 11% (1,110,256)

Georgia 4% (455,768)



## Households

3,360,809  
households

Florida 41% (1,367,556)

North Carolina 27% (913,700)

South Carolina 16% (545,764)

Virginia 11% (382,033)

Georgia 5% (151,755)



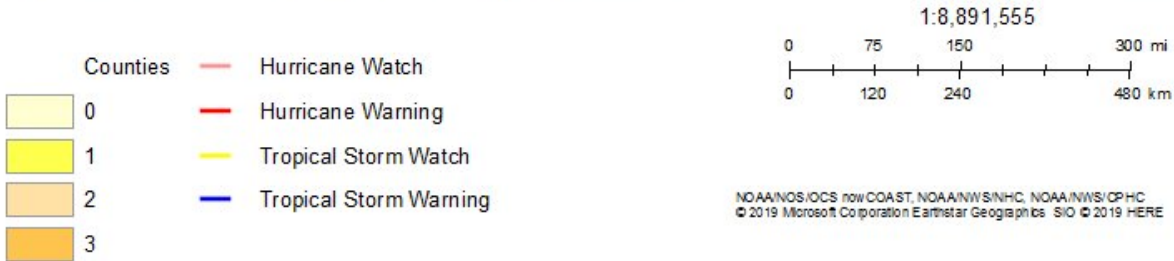
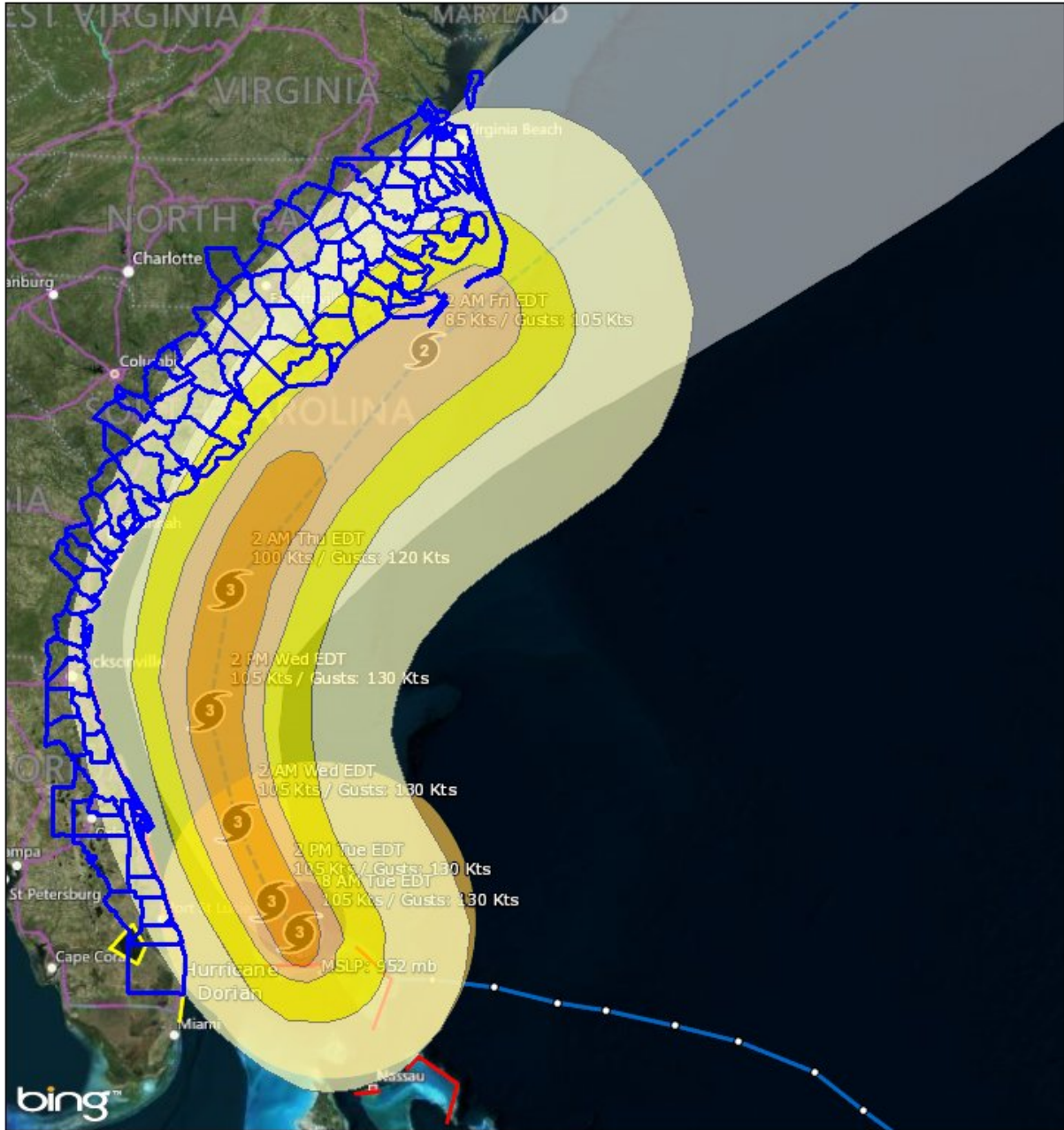
## Critical Infrastructure

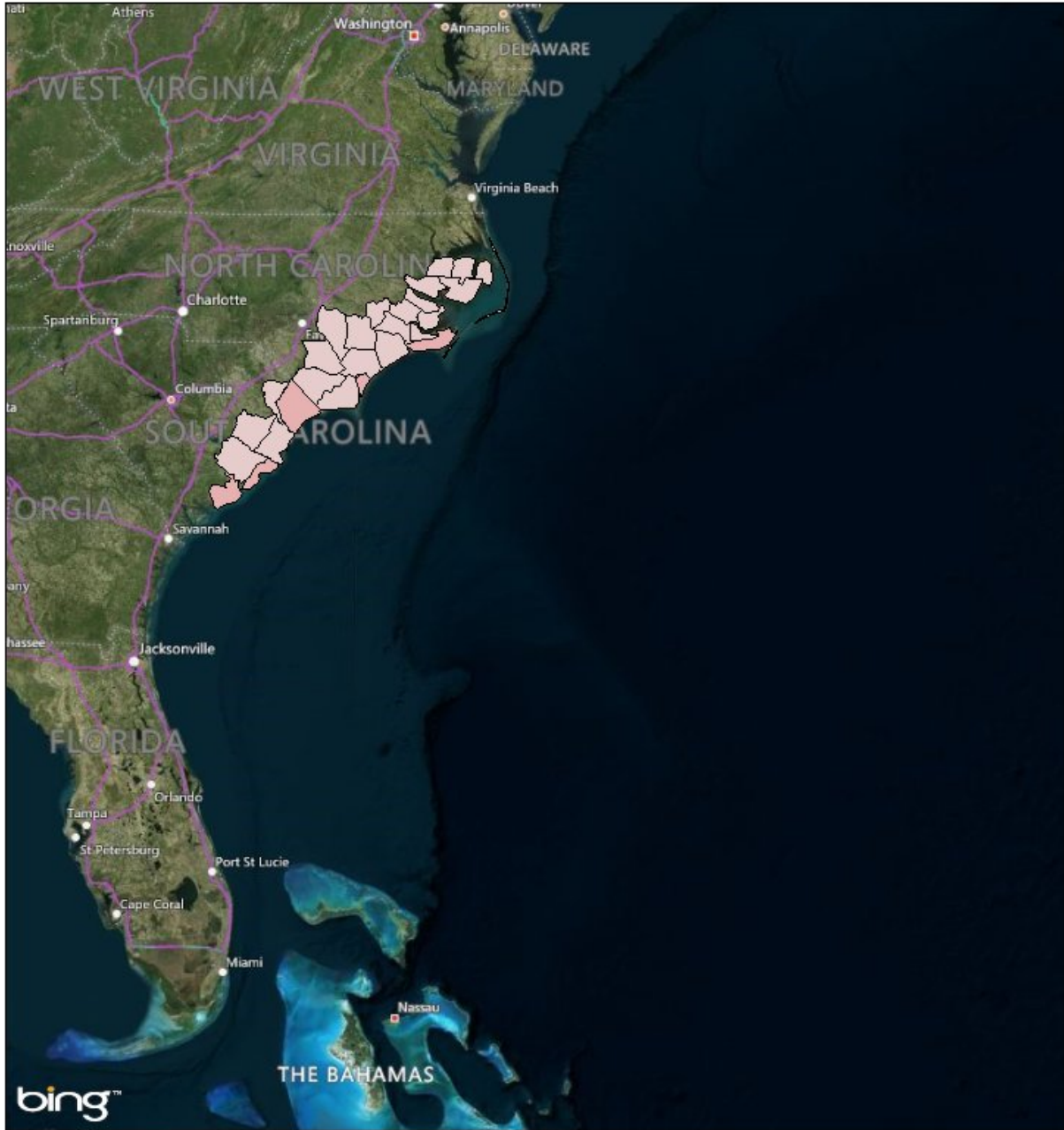
### North Carolina

- (32) 15 - 35 kW
- (2) 15 - 40 kW
- (62) 35 - 75 kW
- (4) 35 - 100 kW
- (6) 40 - 100 kW
- (11) 200 - 300 kW
- (3) 400 - 600 kW
- (7) 800 - 2000 kW

### South Carolina

- (10) 15 - 35 kW
- (37) 35 - 75 kW
- (1) 40 - 100 kW
- (24) 200 - 300 kW
- (1) 400 - 600 kW
- (8) 800 - 2000 kW

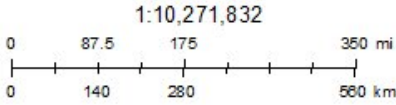




**Mission Summaries**

**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	101
Debris (cu. yd.)	1,018,110
Temporary Roofing (units)	1,724
Population	10,183,027.71
Households	3,360,809.153

Population Distribution	
Tropical Storm	8,693,641
Category 1	1,370,398
Category 2	119,086

FLORIDA	Yards of Debris (0)	Roof Units (0)	Population (4,164,101)	Households (1,367,556)
Brevard	0	0	558,359	198,195
Clay	0	0	36,331	9,476
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	8,217	2,372
Martin	0	0	143,340	55,288
Nassau	0	0	19,749	5,876
Okeechobee	0	0	6,073	1,885
Orange	0	0	404,352	121,588
Osceola	0	0	91,856	19,871
Palm Beach	0	0	335,228	122,789
Putnam	0	0	13,944	5,194
Seminole	0	0	424,370	139,572
St. Johns	0	0	191,550	49,614
St. Lucie	0	0	277,366	76,933
Volusia	0	0	508,913	184,723

<b>GEORGIA</b>	<b>Yards of Debris (0)</b>	<b>Roof Units (0)</b>	<b>Population (455,768)</b>	<b>Households (151,755)</b>
Bryan	0	0	12,640	3,045
Camden	0	0	49,602	14,705
Chatham	0	0	258,954	89,865
Effingham	0	0	18,671	4,529
Glynn	0	0	78,471	27,208
Liberty	0	0	25,343	8,172
Long	0	0	97	29
McIntosh	0	0	11,990	4,202

<b>NORTH CAROLINA</b>	<b>Yards of Debris (691,430)</b>	<b>Roof Units (1,122)</b>	<b>Population (2,749,718)</b>	<b>Households (913,700)</b>
Beaufort	19,392	36	46,961	18,323
Bertie	0	0	20,019	7,743
Bladen	4,753	9	32,578	12,897
Brunswick	73,626	118	113,279	30,450
Camden	0	0	10,301	2,662
Carteret	151,476	189	64,494	25,204
Chowan	0	0	14,807	5,580
Columbus	37,005	68	54,899	21,308
Craven	60,058	111	99,813	34,582
Cumberland	0	0	324,167	107,358
Currituck	0	0	24,830	6,902
Dare	22,038	41	34,007	12,690
Duplin	12,301	23	54,388	18,267
Edgecombe	0	0	52,057	20,392
Franklin	0	0	1,262	370
Gates	0	0	12,160	3,901
Greene	0	0	21,331	6,696
Halifax	0	0	55,202	22,122
Harnett	0	0	115,536	33,800
Hertford	0	0	23,672	8,953
Hoke	0	0	46,265	11,373
Hyde	3,795	7	5,428	2,185
Johnston	0	0	174,426	46,595
Jones	7,053	13	10,288	4,061
Lenoir	2,647	5	57,180	23,862
Martin	0	0	23,823	10,020
Moore	0	0	605	211
Nash	0	0	95,531	33,644
New Hanover	170,026	270	199,329	68,186
Northampton	0	0	11,132	4,598
Onslow	85,036	155	172,867	48,131
Pamlico	8,992	17	12,853	5,178
Pasquotank	0	0	42,443	12,907
Pender	27,881	51	54,546	16,054
Perquimans	0	0	13,145	4,645
Pitt	0	0	162,304	52,539
Robeson	0	0	132,092	43,677
Sampson	1,566	3	65,513	22,273
Scotland	0	0	37,059	13,399
Tyrrell	2,669	5	4,244	1,537
Wake	0	0	45,328	11,833
Washington	1,115	2	12,996	5,367

Wayne	0	0	115,330	42,612
Wilson	0	0	79,228	28,613

<b>SOUTH CAROLINA</b>	<b>Yards of Debris (326,681)</b>	<b>Roof Units (602)</b>	<b>Population (1,703,184)</b>	<b>Households (545,764)</b>
Bamberg	0	0	824	323
Beaufort	0	0	163,012	45,532
Berkeley	22,402	41	175,573	49,922
Calhoun	0	0	1,697	641
Charleston	122,994	227	361,571	123,327
Clarendon	0	0	34,508	11,812
Colleton	0	0	39,678	14,470
Darlington	0	0	67,389	25,793
Dillon	0	0	30,941	11,199
Dorchester	0	0	134,691	34,709
Florence	0	0	136,016	47,147
Georgetown	37,615	69	64,020	21,659
Hampton	0	0	6,637	2,339
Horry	142,060	262	279,428	81,800
Jasper	0	0	23,438	7,042
Lee	0	0	5,922	2,013
Marion	1,160	2	34,336	13,301
Marlboro	0	0	28,995	10,478
Orangeburg	0	0	37,379	13,940
Sumter	0	0	40,635	14,604
Williamsburg	450	1	36,494	13,714

<b>VIRGINIA</b>	<b>Yards of Debris (0)</b>	<b>Roof Units (0)</b>	<b>Population (1,110,256)</b>	<b>Households (382,033)</b>
Chesapeake	0	0	223,279	69,900
Franklin City	0	0	8,556	3,384
Hampton	0	0	4,192	1,539
Isle of Wight	0	0	9,494	2,958
Newport News	0	0	3,259	1,250
Norfolk	0	0	236,947	86,210
Northampton	0	0	52	20
Portsmouth	0	0	99,998	38,170
Southampton	0	0	2,614	864
Suffolk	0	0	85,224	23,283
Virginia Beach	0	0	436,642	154,455

## Critical Infrastructure

Summary			
Total Structures		1,793	
Power Requirements		48,333.9	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (33)	1.7	35 - 75	90.8
Cellular Towers (173)	103.8	35 - 75	5,709.0
FM Antennas (135)	6.8	35 - 75	371.3
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (105)	0.0	200 - 300	0.0
Public Schools (92)	27.6	200 - 300	6,900.0
Colleges and Universities (21)	0.4	200 - 300	105.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (5)	0.5	15 - 35	12.5
Emergency Medical Service (224)	22.4	15 - 35	560.0
Fire Stations (248)	24.8	15 - 35	620.0
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (28)	4.2	35 - 100	283.5
Hospitals (30)	9.0	800 - 2000	12,600.0
Urgent Care Facilities (53)	10.6	200 - 300	2,650.0
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 (17)	0.0	15 - 35	0.0
National Security Government Military Facilities (215)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (24)	4.8	400 - 600	2,400.0
Local Police (67)	6.7	15 - 35	167.5
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 (16)	3.2	15 - 40	88.0
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 (146)	0.0	600 - 1200	0.0
Amtrak Stations (1)	0.0	100 - 300	0.0
Bus Stations (31)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (14)	0.0	100 - 300	0.0
Railroad Stations (1)	0.0	100 - 300	0.0
Public-Use Airports (75)	9.0	40 - 100	630.0

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (27)	10.8	800 - 2000	15,120.0

Report Generated by SimSuite

<http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json& 25=86>