



Hurricane Dorian - Advisory #49

For Planning Purposes Only!

WASHINGTON, DC
13:57:08
05 Sep 2019

CHICAGO
12:57:08
05 Sep 2019

LOS ANGELES
10:57:08
05 Sep 2019

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=93

Updated as of 5 Sep 2019 (1:57 PM Eastern Daylight Time)



Debris

799,458
cu. yd.

North Carolina 79% (631,293)

South Carolina 21% (168,164)

Maine <1% (0)

Massachusetts <1% (0)

Virginia <1% (0)



Temporary Roofing

1,093
units

North Carolina 76% (835)

South Carolina 24% (258)

Maine <1% (0)

Massachusetts <1% (0)

Virginia <1% (0)



Population

4,563,762
people

North Carolina 49% (2,232,714)

South Carolina 33% (1,505,725)

Virginia 16% (730,095)

Massachusetts 2% (93,670)

Maine <1% (1,559)



Households

1,515,161
households

North Carolina 50% (751,930)

South Carolina 31% (474,345)

Virginia 16% (248,992)

Massachusetts 3% (39,222)

Maine <1% (672)



Critical Infrastructure

North Carolina

⚡ (1) 15 - 35 kW

⚡ (1) 15 - 40 kW

⚡ (1) 35 - 100 kW

⚡ (6) 200 - 300 kW

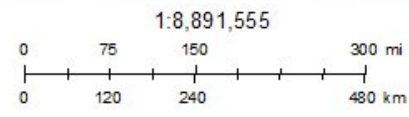
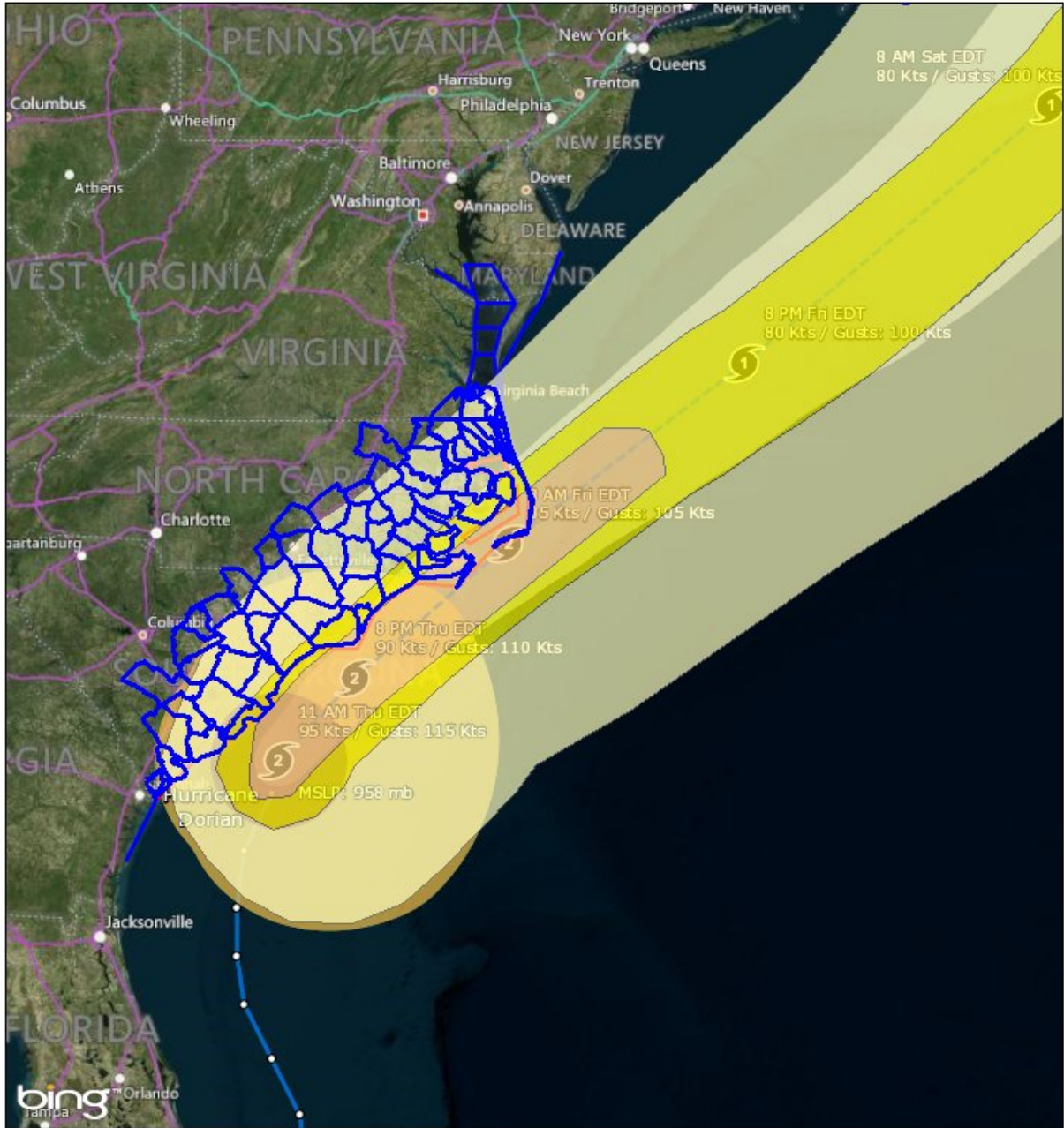
⚡ (2) 400 - 600 kW

⚡ (2) 800 - 2000 kW

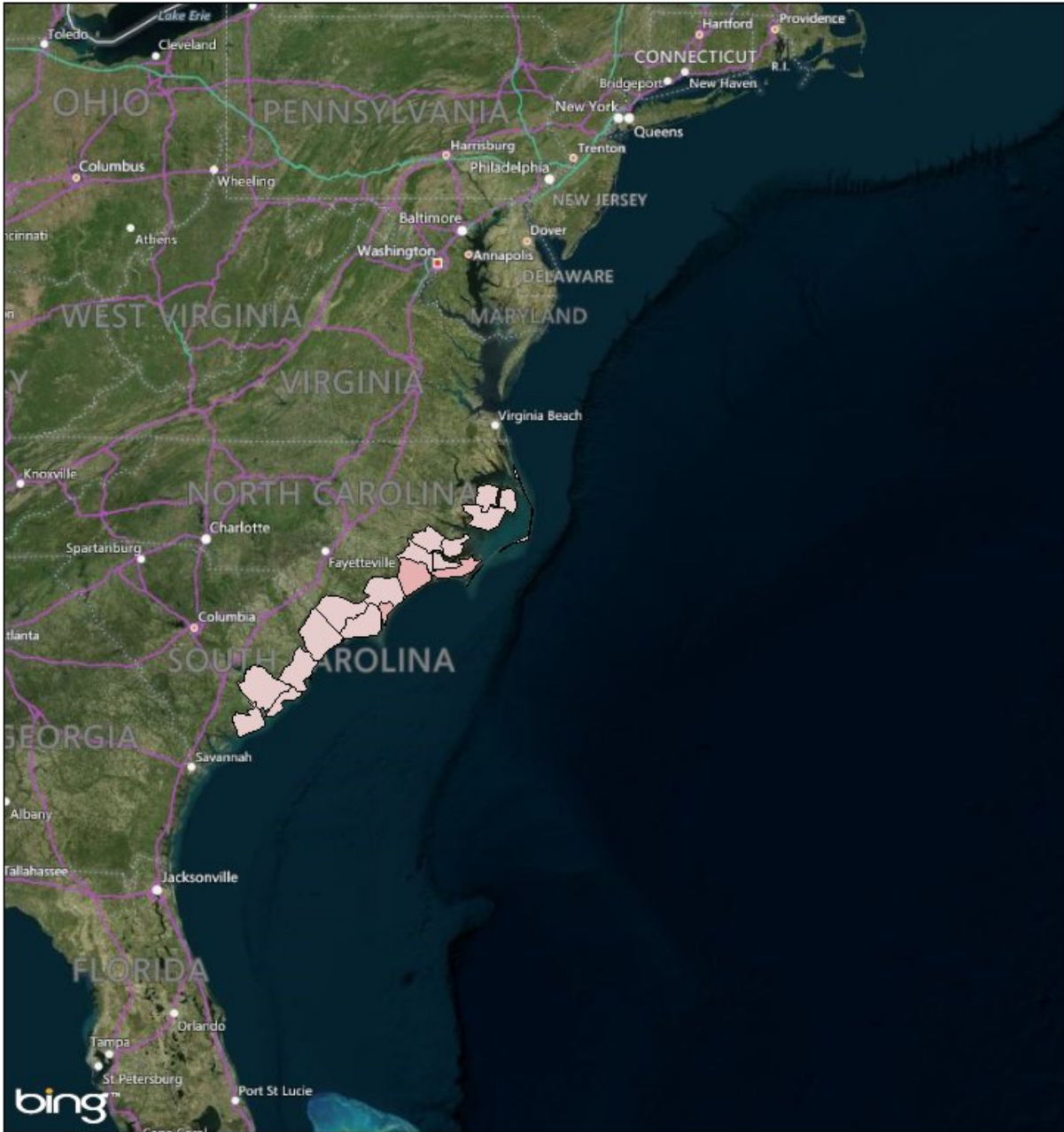
South Carolina

⚡ (2) 200 - 300 kW

⚡ (1) 800 - 2000 kW



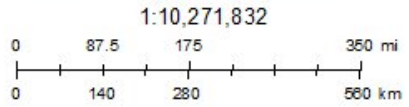
NOAA/NOS/IOCS now COAST, NOAA/NWS/NHC, NOAA/NWS/OPHC
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Mission Summaries

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	64
Debris (cu. yd.)	799,458
Temporary Roofing (units)	1,093
Population	4,563,762.386
Households	1,515,160.889

Population Distribution	
Tropical Storm	3,653,685
Category 1	798,891
Category 2	103,989

MAINE	Yards of Debris (0)	Roof Units (0)	Population (1,559)	Households (672)
Washington	0	0	1,559	672

MASSACHUSETTS	Yards of Debris (0)	Roof Units (0)	Population (93,670)	Households (39,222)
Barnstable	0	0	80,031	34,336
Dukes	0	0	2,907	1,188
Nantucket	0	0	10,733	3,699

NORTH CAROLINA	Yards of Debris (631,293)	Roof Units (835)	Population (2,232,714)	Households (751,930)
Beaufort	0	0	46,951	18,319
Bertie	0	0	20,019	7,743
Bladen	0	0	32,577	12,897
Brunswick	85,815	115	111,185	29,887
Camden	0	0	10,301	2,662
Carteret	181,771	189	64,494	25,204
Chowan	0	0	14,807	5,580
Columbus	2,256	3	54,906	21,311
Craven	21,669	33	94,346	32,688
Cumberland	0	0	324,167	107,358
Currituck	0	0	24,830	6,902
Dare	26,446	41	34,007	12,690
Duplin	0	0	54,388	18,267
Edgecombe	0	0	52,057	20,392
Gates	0	0	12,160	3,901
Greene	0	0	21,331	6,696
Halifax	0	0	3,576	1,433
Harnett	0	0	7,283	2,131
Hertford	0	0	10,724	4,056
Hoke	0	0	3,099	762
Hyde	4,554	7	5,428	2,185
Johnston	0	0	71,936	19,216
Jones	2,227	3	10,288	4,061
Lenoir	0	0	57,180	23,862
Martin	0	0	23,823	10,020
New Hanover	181,968	252	199,322	68,184
Onslow	100,286	154	172,836	48,122
Pamlico	10,791	17	12,853	5,178
Pasquotank	0	0	42,443	12,907
Pender	13,174	20	54,545	16,054
Perquimans	0	0	13,145	4,645
Pitt	0	0	162,304	52,539
Robeson	0	0	132,092	43,677
Sampson	0	0	65,513	22,273
Tyrrell	337	1	4,244	1,537
Washington	0	0	12,996	5,367
Wayne	0	0	115,330	42,612
Wilson	0	0	79,228	28,613

SOUTH CAROLINA	Yards of Debris (168,164)	Roof Units (258)	Population (1,505,725)	Households (474,345)
Beaufort	0	0	163,012	45,532
Berkeley	7,462	11	175,574	49,922
Charleston	97,367	150	361,569	123,326
Clarendon	0	0	34,508	11,812
Colleton	0	0	20,056	7,314
Darlington	0	0	5,488	2,101
Dillon	0	0	30,941	11,199
Dorchester	0	0	134,691	34,709
Florence	0	0	136,016	47,147
Georgetown	19,898	31	64,020	21,659
Horry	43,438	67	279,401	81,792
Lee	0	0	264	90
Marion	0	0	34,336	13,301
Marlboro	0	0	5,607	2,026
Orangeburg	0	0	12,280	4,580
Sumter	0	0	11,467	4,121
Williamsburg	0	0	36,494	13,714

VIRGINIA	Yards of Debris (0)	Roof Units (0)	Population (730,095)	Households (248,992)
Chesapeake	0	0	223,279	69,900
Norfolk	0	0	50,903	18,520
Portsmouth	0	0	7,849	2,996
Suffolk	0	0	11,422	3,120
Virginia Beach	0	0	436,642	154,455

Critical Infrastructure

Summary			
Total Structures		359	
Power Requirements		14,183.4	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (18)	0.9	35 - 75	49.5
Cellular Towers (0)	0.0	35 - 75	0.0
FM Antennas (0)	0.0	35 - 75	0.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (68)	0.0	200 - 300	0.0
Public Schools (10)	3.0	200 - 300	750.0
Colleges and Universities (11)	0.2	200 - 300	55.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (15)	1.5	15 - 35	37.5
Fire Stations (16)	1.6	15 - 35	40.0
Service Providers (1)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (9)	1.3	35 - 100	91.1
Hospitals (1)	0.3	800 - 2000	420.0
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 (7)	0.0	15 - 35	0.0
National Security Government Military Facilities (30)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (15)	3.0	400 - 600	1,500.0
Local Police (26)	2.6	15 - 35	65.0
State Police (6)	0.3	15 - 35	7.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (8)	1.6	15 - 40	44.0
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 (0)	0.0	100 - 200	0.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (0)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (48)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (3)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (7)	0.8	40 - 100	58.8

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (16)	6.4	800 - 2000	8,960.0

Report Generated by SimSuite

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=93