



Hurricane Dorian - Advisory #48

For Planning Purposes Only!

WASHINGTON, DC
07:42:16
05 Sep 2019

CHICAGO
06:42:16
05 Sep 2019

LOS ANGELES
04:42:16
05 Sep 2019

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=92

Updated as of 5 Sep 2019 (7:42 AM Eastern Daylight Time)



Debris

864,900
cu. yd.

North Carolina 95% (824,240)

South Carolina 5% (40,660)

Georgia <1% (0)

Maine <1% (0)

Maryland <1% (0)

Massachusetts <1% (0)

Virginia <1% (0)



Temporary Roofing

1,236
units

North Carolina 94% (1,167)

South Carolina 6% (70)

Georgia <1% (0)

Maine <1% (0)

Maryland <1% (0)

Massachusetts <1% (0)

Virginia <1% (0)



Population

5,111,418
people

North Carolina 36% (1,844,465)

South Carolina 29% (1,474,809)

Virginia 25% (1,262,532)

Massachusetts 7% (377,694)

Georgia 2% (89,722)

Maryland 1% (51,186)

Maine <1% (11,010)

Households



1,733,514
households

North Carolina 36% (626,320)

South Carolina 27% (463,293)

Virginia 25% (438,966)

Massachusetts 9% (149,382)

Georgia 2% (31,118)




Maryland 1% (19,694)

Maine <1% (4,741)





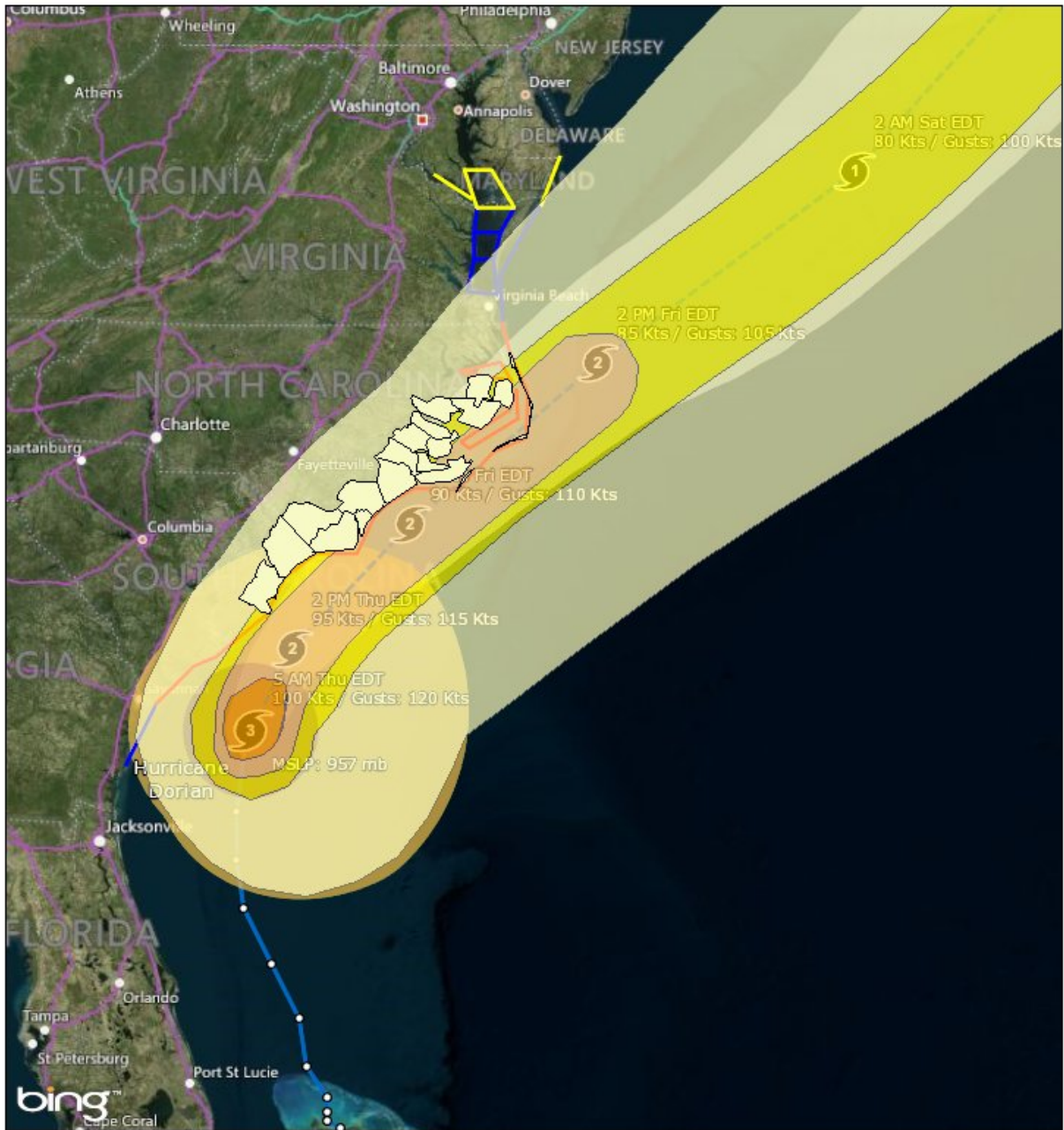
**Critical
Infrastructure**

North Carolina

-  (1) 15 - 35 kW
-  (1) 15 - 40 kW
-  (2) 35 - 100 kW
-  (6) 200 - 300 kW
-  (2) 400 - 600 kW
-  (2) 800 - 2000 kW

South Carolina

-  (1) 200 - 300 kW
-  (1) 800 - 2000 kW



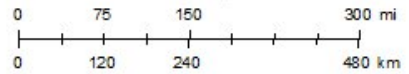
Mission Summaries

BlueRoof

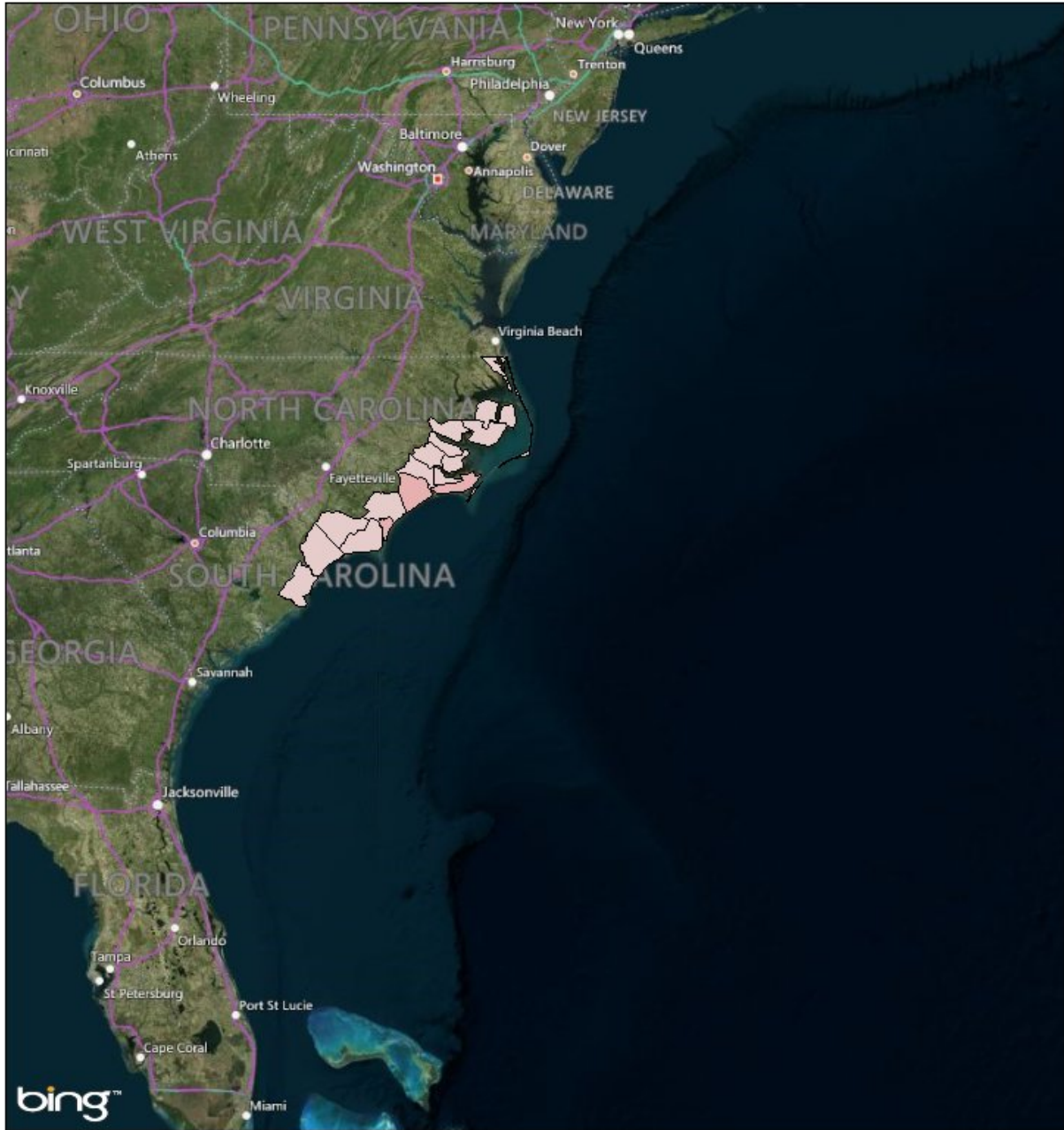
- < 2,000 units
- 0
- 1
- 2

- 3
- Hurricane Watch
- Hurricane Warning
- Tropical Storm Watch
- Tropical Storm Warning

1:8,891,555



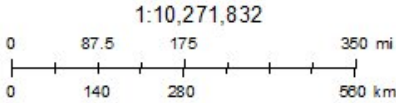
NOAA/NOS/IOCS now/COAST, NOAA/NWS/NHC, NOAA/NWS/OPHC
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Mission Summaries

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	71
Debris (cu. yd.)	864,900
Temporary Roofing (units)	1,236
Population	5,111,418.392
Households	1,733,513.68

Population Distribution	
Tropical Storm	4,346,353
Category 1	521,125
Category 2	143,853

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (89,722)	Households (31,118)
Chatham	0	0	88,974	30,877
Liberty	0	0	748	241

MAINE	Yards of Debris (0)	Roof Units (0)	Population (11,010)	Households (4,741)
Hancock	0	0	210	84
Washington	0	0	10,800	4,657

MARYLAND	Yards of Debris (0)	Roof Units (0)	Population (51,186)	Households (19,694)
Worcester	0	0	51,186	19,694

MASSACHUSETTS	Yards of Debris (0)	Roof Units (0)	Population (377,694)	Households (149,382)
Barnstable	0	0	221,015	94,822
Bristol	0	0	17,589	6,546
Dukes	0	0	15,716	6,421
Nantucket	0	0	10,733	3,699
Plymouth	0	0	112,641	37,895

NORTH CAROLINA	Yards of Debris (824,240)	Roof Units (1,167)	Population (1,844,465)	Households (626,320)
Beaufort	6,752	12	46,951	18,319
Bertie	0	0	20,019	7,743
Bladen	0	0	32,577	12,897
Brunswick	98,477	146	106,714	28,685
Camden	0	0	10,301	2,662
Carteret	212,066	246	64,494	25,204
Chowan	0	0	14,807	5,580
Columbus	933	2	54,900	21,308
Craven	24,451	42	87,213	30,216
Cumberland	0	0	116,859	38,701
Currituck	13	0	24,830	6,902
Dare	62,817	82	33,032	12,326
Duplin	0	0	54,388	18,267
Edgecombe	0	0	24,473	9,587
Gates	0	0	12,160	3,901
Greene	0	0	21,331	6,696
Halifax	0	0	2,795	1,120
Hertford	0	0	23,672	8,953
Hyde	8,786	12	4,732	1,905
Johnston	0	0	24,217	6,469
Jones	3,235	6	10,288	4,061
Lenoir	0	0	57,180	23,862
Martin	0	0	23,823	10,020
New Hanover	238,479	352	199,327	68,185
Northampton	0	0	1	1
Onslow	111,787	175	133,839	37,264
Pamlico	15,850	25	12,853	5,178
Pasquotank	0	0	42,443	12,907
Pender	39,033	67	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	0	0	65,513	22,273
Tyrrell	1,561	3	4,244	1,537
Washington	0	0	12,996	5,367
Wayne	0	0	115,330	42,612
Wilson	0	0	24,076	8,695

SOUTH CAROLINA	Yards of Debris (40,660)	Roof Units (70)	Population (1,474,809)	Households (463,293)
Beaufort	0	0	163,012	45,532
Berkeley	0	0	175,573	49,922
Charleston	0	0	361,569	123,326
Clarendon	0	0	5,649	1,934
Colleton	0	0	39,678	14,470
Dillon	0	0	30,941	11,199
Dorchester	0	0	134,691	34,709
Florence	0	0	136,016	47,147
Georgetown	12,821	22	64,020	21,659
Horry	27,839	48	279,426	81,799
Jasper	0	0	5,764	1,732
Marion	0	0	34,336	13,301
Orangeburg	0	0	7,641	2,850
Williamsburg	0	0	36,494	13,714

VIRGINIA	Yards of Debris (0)	Roof Units (0)	Population (1,262,532)	Households (438,966)
Accomack	0	0	8,158	3,216
Chesapeake	0	0	223,279	69,900
Hampton	0	0	146,762	53,887
Isle of Wight	0	0	24	7
Newport News	0	0	11,769	4,516
Norfolk	0	0	236,947	86,210
Northampton	0	0	13,729	5,321
Portsmouth	0	0	99,998	38,170
Suffolk	0	0	85,224	23,283
Virginia Beach	0	0	436,642	154,455

Critical Infrastructure

Summary			
Total Structures		315	
Power Requirements		12,425.1	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (20)	1.0	35 - 75	55.0
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 (23)	0.0	200 - 300	0.0
Public Schools (10)	3.0	200 - 300	750.0
Colleges and Universities (12)	0.2	200 - 300	60.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (17)	1.7	15 - 35	42.5
Fire Stations (18)	1.8	15 - 35	45.0
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (17)	2.5	35 - 100	172.1
Hospitals (0)	0.0	800 - 2000	0.0
Urgent Care Facilities (38)	7.6	200 - 300	1,900.0
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 (23)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (14)	2.8	400 - 600	1,400.0
Local Police (27)	2.7	15 - 35	67.5
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 (7)	1.4	15 - 40	38.5
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 (0)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (50)	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 (5)	0.6	40 - 100	42.0

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (14)	5.6	800 - 2000	7,840.0