



Hurricane Dorian - Advisory #46

For Planning Purposes Only!

WASHINGTON, DC
18:36:21
04 Sep 2019

CHICAGO
17:36:21
04 Sep 2019

LOS ANGELES
15:36:21
04 Sep 2019

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=91

Updated as of 4 Sep 2019 (6:36 PM Eastern Daylight Time)



Debris

686,511
cu. yd.

North Carolina 70% (477,126)

South Carolina 30% (209,386)

Florida <1% (0)

Georgia <1% (0)

Maine <1% (0)

Massachusetts <1% (0)

Virginia <1% (0)



Temporary Roofing

1,169
units

North Carolina 67% (785)

South Carolina 33% (384)

Florida <1% (0)

Georgia <1% (0)

Maine <1% (0)

Massachusetts <1% (0)

Virginia <1% (0)



Population

7,825,605
people

North Carolina 31% (2,428,636)

South Carolina 24% (1,847,039)

Virginia 17% (1,327,531)

Florida 16% (1,263,113)

Georgia 9% (709,661)

Massachusetts 3% (247,466)

Maine <1% (2,160)

Households



2,605,642
households

North Carolina 31% (811,195)

South Carolina 23% (599,011)

Virginia 18% (462,308)

Florida 15% (399,234)

Georgia 9% (228,020)



Massachusetts 4% (104,943)

Maine <1% (931)






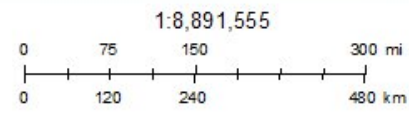
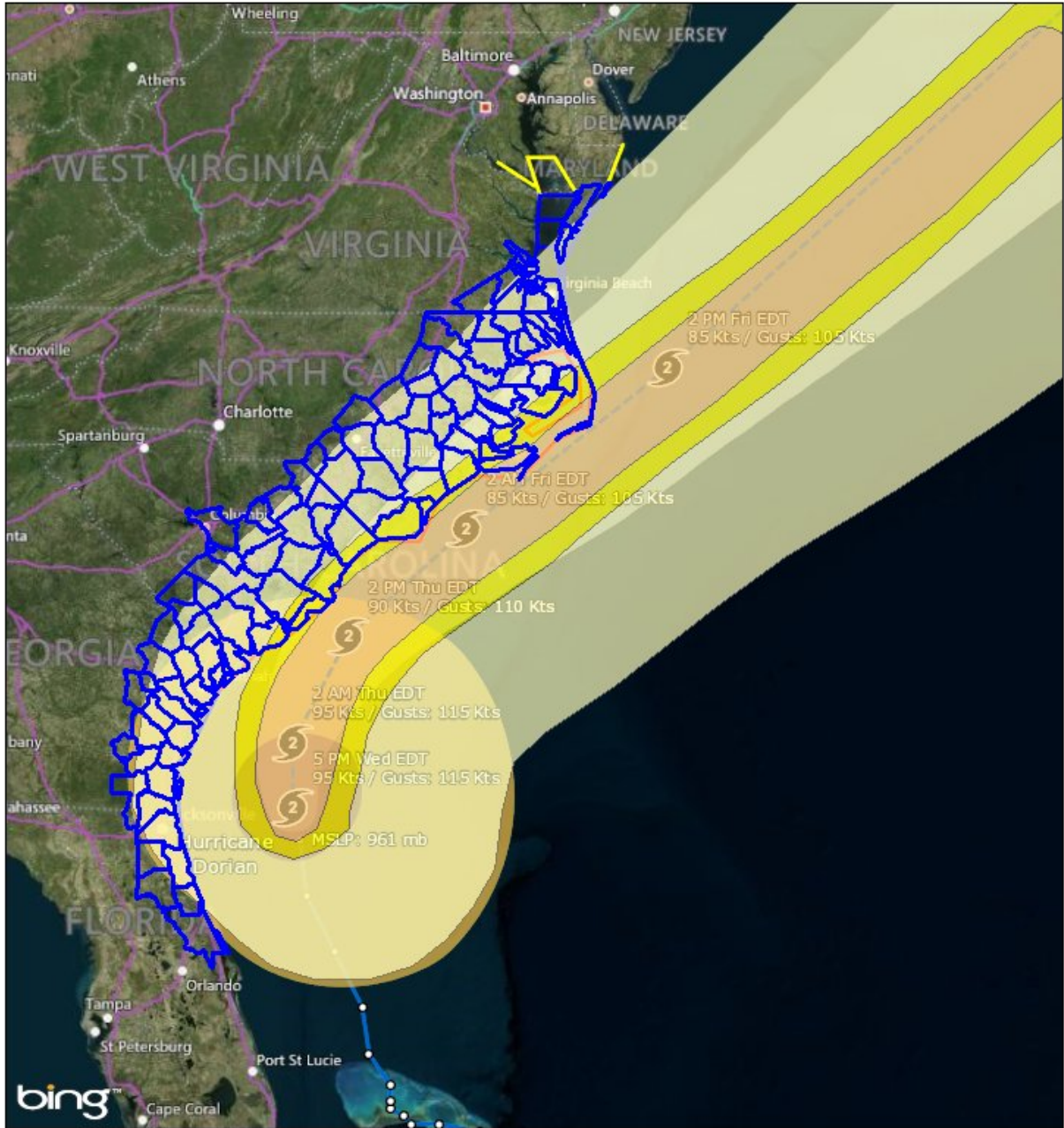
**Critical
Infrastructure**

North Carolina

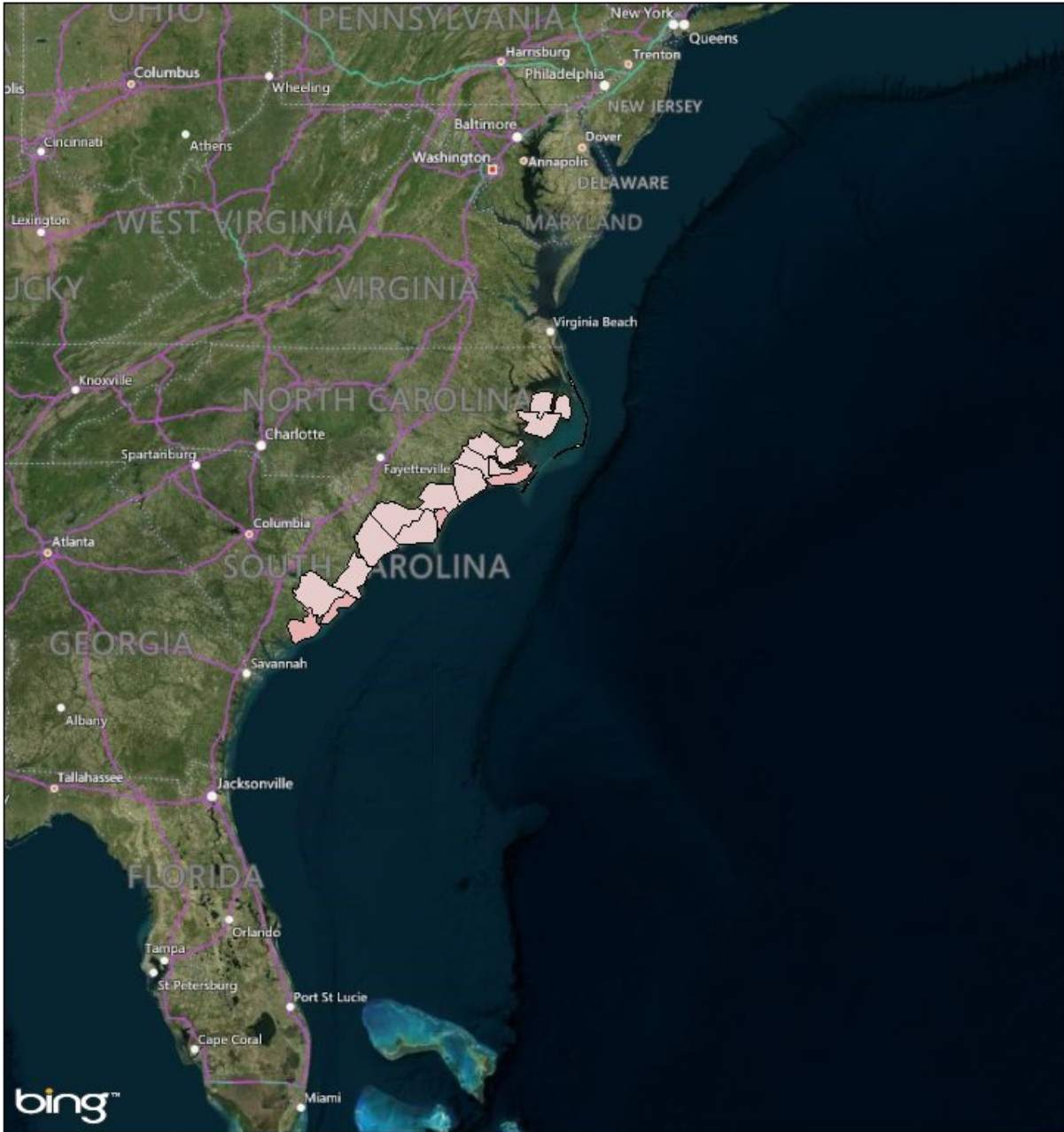
-  (1) 15 - 35 kW
-  (1) 15 - 40 kW
-  (1) 35 - 100 kW
-  (4) 200 - 300 kW
-  (2) 400 - 600 kW
-  (1) 800 - 2000 kW

South Carolina

-  (1) 40 - 100 kW
-  (3) 200 - 300 kW
-  (3) 800 - 2000 kW



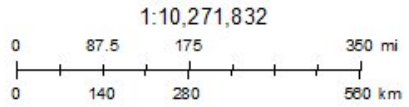
NOAA/NOS/IOCS now COAST, NOAA/NWS/NHC, NOAA/NWS/OPHC
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Mission Summaries

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	107
Debris (cu. yd.)	686,511
Temporary Roofing (units)	1,169
Population	7,825,604.662
Households	2,605,641.591

Population Distribution	
Tropical Storm	6,797,151
Category 1	938,130
Category 2	69,570

FLORIDA	Yards of Debris (0)	Roof Units (0)	Population (1,263,113)	Households (399,234)
Clay	0	0	55,368	14,441
Duval	0	0	904,256	303,747
Flagler	0	0	30,647	6,741
Nassau	0	0	73,872	21,980
Putnam	0	0	1,879	700
St. Johns	0	0	191,550	49,614
Volusia	0	0	5,541	2,011

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (709,661)	Households (228,020)
Brantley	0	0	16,170	5,436
Bryan	0	0	33,573	8,089
Bulloch	0	0	68,185	20,743
Camden	0	0	49,602	14,705
Charlton	0	0	4,292	1,328
Chatham	0	0	258,954	89,865
Effingham	0	0	54,219	13,151
Evans	0	0	11,936	3,778
Glynn	0	0	78,471	27,208
Liberty	0	0	60,111	19,383
Long	0	0	11,865	3,574
McIntosh	0	0	11,990	4,202
Pierce	0	0	1,081	354
Screven	0	0	15,440	5,797
Tattnall	0	0	3,609	1,083
Wayne	0	0	30,162	9,324

MAINE	Yards of Debris (0)	Roof Units (0)	Population (2,160)	Households (931)
Washington	0	0	2,160	931

MASSACHUSETTS	Yards of Debris (0)	Roof Units (0)	Population (247,466)	Households (104,943)
Barnstable	0	0	221,015	94,822
Dukes	0	0	15,716	6,421
Nantucket	0	0	10,733	3,699
Plymouth	0	0	2	1

NORTH CAROLINA	Yards of Debris (477,126)	Roof Units (785)	Population (2,428,636)	Households (811,195)
Beaufort	0	0	46,951	18,319
Bertie	0	0	20,019	7,743
Bladen	0	0	32,577	12,897
Brunswick	56,858	101	111,753	30,040
Camden	0	0	10,301	2,662
Carteret	151,476	189	64,494	25,204
Chowan	0	0	14,807	5,580
Columbus	2,580	5	54,908	21,311
Craven	18,238	34	99,812	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	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	15,247	6,110
Harnett	0	0	24,596	7,196
Hertford	0	0	23,672	8,953
Hoke	0	0	15,197	3,736
Hyde	3,795	7	5,428	2,185
Johnston	0	0	174,426	46,595
Jones	1,008	2	10,288	4,061
Lenoir	0	0	57,180	23,862
Martin	0	0	23,823	10,020
Nash	0	0	18,352	6,463
New Hanover	118,667	218	199,320	68,183
Northampton	0	0	6,492	2,681
Onslow	83,572	154	172,836	48,122
Pamlico	8,992	17	12,853	5,178
Pasquotank	0	0	42,443	12,907
Pender	9,886	18	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
Scotland	0	0	8,524	3,082
Tyrrell	15	0	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 (209,386)	Roof Units (384)	Population (1,847,039)	Households (599,011)
Allendale	0	0	10,678	3,915
Bamberg	0	0	15,647	6,123
Barnwell	0	0	1,524	592
Beaufort	0	0	163,012	45,532
Berkeley	17,544	32	175,573	49,922
Calhoun	0	0	15,660	5,917
Charleston	115,490	213	355,718	121,330
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	28,046	50	44,658	15,109
Hampton	0	0	21,122	7,444
Horry	48,306	89	279,392	81,790
Jasper	0	0	23,438	7,042
Lee	0	0	7,094	2,411
Marion	0	0	34,336	13,301
Marlboro	0	0	13,798	4,986
Orangeburg	0	0	91,486	34,118
Richland	0	0	9,210	2,907
Sumter	0	0	104,976	37,728
Williamsburg	0	0	36,494	13,714

VIRGINIA	Yards of Debris (0)	Roof Units (0)	Population (1,327,531)	Households (462,308)
Accomack	0	0	6,654	2,623
Chesapeake	0	0	223,279	69,900
Franklin City	0	0	8,556	3,384
Hampton	0	0	146,762	53,887
Isle of Wight	0	0	14,703	4,581
Newport News	0	0	40,385	15,496
Norfolk	0	0	236,947	86,210
Northampton	0	0	13,729	5,321
Poquoson	0	0	12,083	4,166
Portsmouth	0	0	99,998	38,170
Southampton	0	0	1,837	607
Suffolk	0	0	85,224	23,283
Virginia Beach	0	0	436,642	154,455
York	0	0	731	225

Critical Infrastructure

Summary			
Total Structures		467	
Power Requirements		14,589.8	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (24)	1.2	35 - 75	66.0
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 (69)	0.0	200 - 300	0.0
Public Schools (6)	1.8	200 - 300	450.0
Colleges and Universities (18)	0.4	200 - 300	90.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (5)	0.5	15 - 35	12.5
Emergency Medical Service (12)	1.2	15 - 35	30.0
Fire Stations (13)	1.3	15 - 35	32.5
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 (45)	9.0	200 - 300	2,250.0
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 (10)	0.0	15 - 35	0.0
National Security Government Military Facilities (137)	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 (28)	2.8	15 - 35	70.0
State Police (5)	0.3	15 - 35	6.3
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (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 (1)	0.1	100 - 200	15.0

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 (23)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (10)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (11)	1.3	40 - 100	92.4

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (17)	6.8	800 - 2000	9,520.0

Report Generated by SimSuite

<http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json& 25=91>