



Hurricane Dorian - Advisory #42

For Planning Purposes Only!

WASHINGTON, DC
18:16:28
03 Sep 2019

CHICAGO
17:16:28
03 Sep 2019

LOS ANGELES
15:16:28
03 Sep 2019

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=88

Updated as of 3 Sep 2019 (6:16 PM Eastern Daylight Time)



Debris

841,970
cu. yd.

North Carolina 63% (526,898)

South Carolina 37% (315,072)

Delaware <1% (0)

Florida <1% (0)

Georgia <1% (0)

Maryland <1% (0)

Virginia <1% (0)



Temporary Roofing

1,409
units

North Carolina 59% (829)

South Carolina 41% (581)

Delaware <1% (0)

Florida <1% (0)

Georgia <1% (0)

Maryland <1% (0)

Virginia <1% (0)



Population

12,920,640
people

Florida 42% (5,417,362)

North Carolina 25% (3,185,159)

South Carolina 14% (1,845,461)

Virginia 14% (1,772,996)

Georgia 5% (628,518)

Maryland <1% (69,509)

Delaware <1% (1,634)

Households



4,186,583
households

Florida 41% (1,716,049)

North Carolina 25% (1,029,509)

Virginia 15% (614,920)

South Carolina 14% (597,753)

Georgia 5% (202,287)




Maryland <1% (25,550)

Delaware <1% (515)



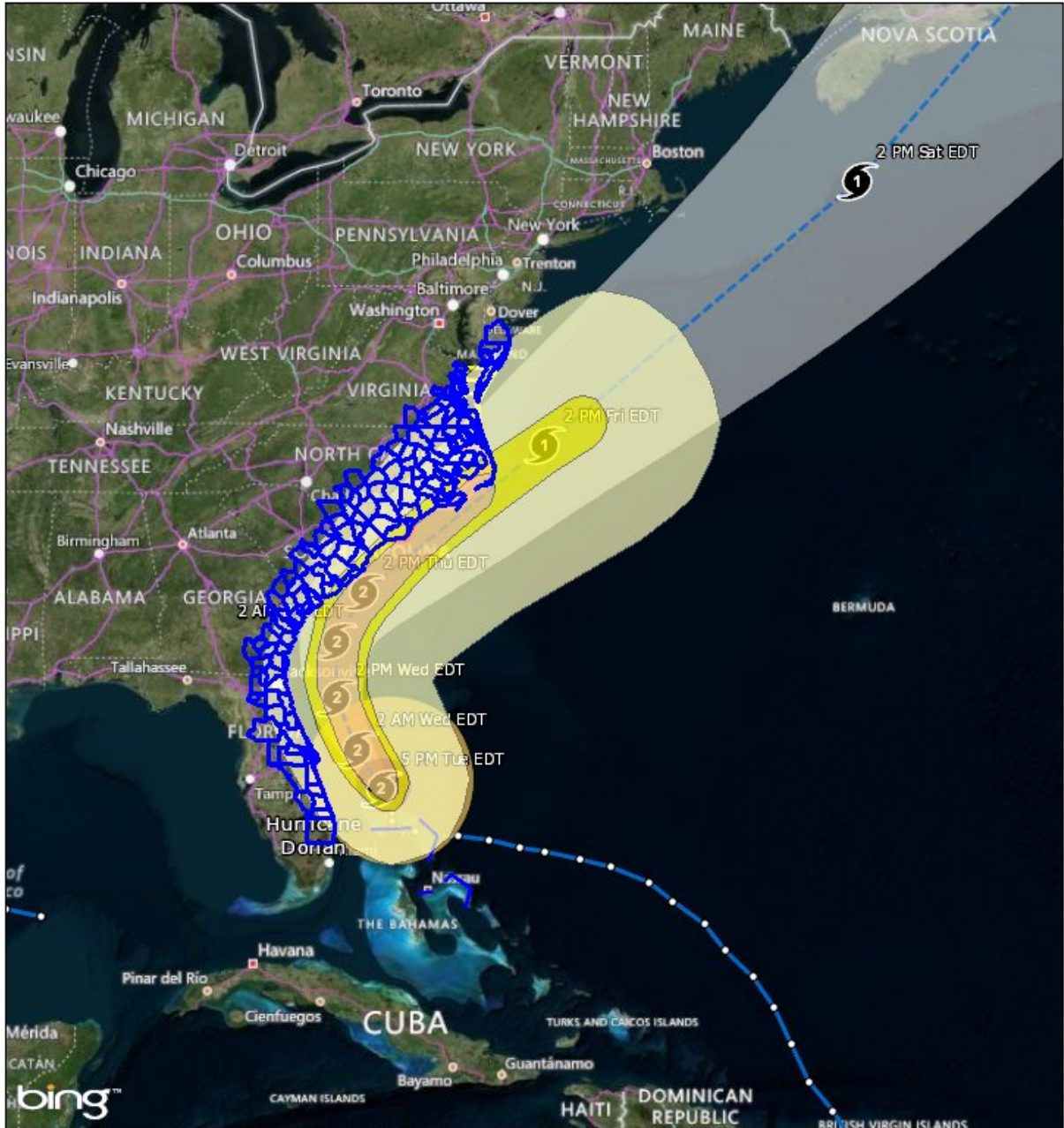
**Critical
Infrastructure**

North Carolina

-  (6) 15 - 35 kW
-  (1) 15 - 40 kW
-  (42) 35 - 75 kW
-  (1) 35 - 100 kW
-  (4) 40 - 100 kW
-  (5) 200 - 300 kW
-  (2) 400 - 600 kW
-  (5) 800 - 2000 kW

South Carolina

-  (3) 15 - 35 kW
-  (32) 35 - 75 kW
-  (1) 40 - 100 kW
-  (3) 200 - 300 kW
-  (6) 800 - 2000 kW



1:17,783,109

<p>Counties</p> <ul style="list-style-type: none"> 0 1 2 <p> Hurricane Watch</p>	<ul style="list-style-type: none"> Hurricane Warning Tropical Storm Watch Tropical Storm Warning
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NOAA/NOS/IOCS now COAST, NOAA/NWS/NHC, NOAA/NWS/CPHC
 © 2019 Microsoft Corporation Earthstar Geographics S/O © 2019 HERE

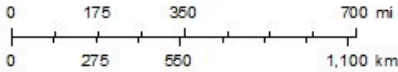


Mission Summaries

Debris

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

1:20,543,664



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	137
Debris (cu. yd.)	841,970
Temporary Roofing (units)	1,409
Population	12,920,640.191
Households	4,186,583.21

Population Distribution	
Tropical Storm	11,721,602
Category 1	1,045,519
Category 2	109,710

DELAWARE	Yards of Debris (0)	Roof Units (0)	Population (1,634)	Households (515)
Sussex	0	0	1,634	515

FLORIDA	Yards of Debris (0)	Roof Units (0)	Population (5,417,362)	Households (1,716,049)
Baker	0	0	9,862	2,598
Bradford	0	0	12,236	3,575
Brevard	0	0	558,359	198,195
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	115,022	33,208
Marion	0	0	90,130	27,986
Martin	0	0	143,340	55,288
Nassau	0	0	73,872	21,980
Okeechobee	0	0	7,129	2,213
Orange	0	0	1,118,349	336,286
Osceola	0	0	281,872	60,977
Palm Beach	0	0	192,392	70,471
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
Union	0	0	783	169
Volusia	0	0	508,913	184,723

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (628,518)	Households (202,287)
Brantley	0	0	16,170	5,436
Bryan	0	0	33,573	8,089
Bulloch	0	0	9,885	3,007
Camden	0	0	49,602	14,705
Charlton	0	0	10,802	3,342
Chatham	0	0	258,954	89,865
Effingham	0	0	54,219	13,151
Evans	0	0	33	11
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	290	95
Screven	0	0	105	40
Ware	0	0	2,285	856
Wayne	0	0	30,162	9,324

MARYLAND	Yards of Debris (0)	Roof Units (0)	Population (69,509)	Households (25,550)
Somerset	0	0	13,488	4,270
Wicomico	0	0	4,835	1,587
Worcester	0	0	51,186	19,694

NORTH CAROLINA	Yards of Debris (526,898)	Roof Units (829)	Population (3,185,159)	Households (1,029,509)
Beaufort	0	0	46,951	18,319
Bertie	0	0	20,019	7,743
Bladen	0	0	32,577	12,897
Brunswick	70,179	115	112,879	30,342
Camden	0	0	10,301	2,662
Carteret	151,476	189	64,494	25,204
Chowan	0	0	14,807	5,580
Columbus	3,704	7	54,907	21,311
Craven	13,728	25	90,043	31,197
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
Franklin	0	0	60,792	17,843
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	2,631	5	3,225	1,298
Johnston	0	0	174,426	46,595
Jones	1,573	3	10,288	4,061
Lenoir	0	0	57,180	23,862
Martin	0	0	23,823	10,020
Moore	0	0	3,626	1,263
Nash	0	0	95,531	33,644
New Hanover	155,423	255	199,322	68,184
Northampton	0	0	21,041	8,691
Onslow	70,444	124	130,936	36,456
Pamlico	7,822	14	11,027	4,442
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
Richmond	0	0	245	93
Robeson	0	0	132,092	43,677
Sampson	0	0	65,513	22,273
Scotland	0	0	37,059	13,399
Tyrrell	0	0	4,244	1,537
Wake	0	0	459,979	120,082

Warren	0	0	4,225	1,641
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 (315,072)	Roof Units (581)	Population (1,845,461)	Households (597,753)
Allendale	0	0	411	151
Bamberg	0	0	5,310	2,078
Beaufort	726	1	163,013	45,532
Berkeley	21,869	40	175,572	49,922
Calhoun	0	0	4,969	1,877
Charleston	214,177	395	361,569	123,326
Chesterfield	0	0	1,001	379
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	21,122	7,444
Horry	40,685	75	279,393	81,790
Jasper	0	0	23,438	7,042
Lee	0	0	6,132	2,084
Marion	0	0	34,336	13,301
Marlboro	0	0	28,995	10,478
Orangeburg	0	0	91,486	34,118
Sumter	0	0	104,976	37,728
Williamsburg	0	0	36,494	13,714

VIRGINIA	Yards of Debris (0)	Roof Units (0)	Population (1,772,996)	Households (614,920)
Accomack	0	0	38,805	15,299
Brunswick	0	0	24	8
Charles City	0	0	31	11
Chesapeake	0	0	223,279	69,900
Emporia	0	0	5,778	2,226
Franklin City	0	0	8,556	3,384
Gloucester	0	0	38,615	13,127
Greensville	0	0	12,351	3,375
Hampton	0	0	146,762	53,887
Isle of Wight	0	0	36,330	11,319
James City	0	0	66,174	19,003
Lancaster	0	0	1,127	486
Mathews	0	0	9,292	3,932
Middlesex	0	0	2,592	1,026
Newport News	0	0	181,614	69,686
Norfolk	0	0	236,947	86,210
Northampton	0	0	13,729	5,321
Northumberland	0	0	8	3
Poquoson	0	0	12,083	4,166
Portsmouth	0	0	99,998	38,170
Southampton	0	0	19,004	6,279
Suffolk	0	0	85,224	23,283
Surry	0	0	7,284	2,619
Sussex	0	0	12,356	4,126
Virginia Beach	0	0	436,642	154,455
Williamsburg	0	0	13,402	3,619
York	0	0	64,989	20,000

Critical Infrastructure

Summary			
Total Structures		1,188	
Power Requirements		33,468.3	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (27)	1.4	35 - 75	74.3
Cellular Towers (131)	78.6	35 - 75	4,323.0
FM Antennas (114)	5.7	35 - 75	313.5
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (97)	0.0	200 - 300	0.0
Public Schools (6)	1.8	200 - 300	450.0
Colleges and Universities (19)	0.4	200 - 300	95.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (5)	0.5	15 - 35	12.5
Emergency Medical Service (59)	5.9	15 - 35	147.5
Fire Stations (54)	5.4	15 - 35	135.0
Service Providers (1)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (14)	2.1	35 - 100	141.8
Hospitals (24)	7.2	800 - 2000	10,080.0
Urgent Care Facilities (49)	9.8	200 - 300	2,450.0
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 (11)	0.0	15 - 35	0.0
National Security Government Military Facilities (217)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (17)	3.4	400 - 600	1,700.0
Local Police (55)	5.5	15 - 35	137.5
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 (11)	2.2	15 - 40	60.5
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 (149)	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 (15)	0.0	100 - 300	0.0
Railroad Stations (1)	0.0	100 - 300	0.0
Public-Use Airports (53)	6.4	40 - 100	445.2

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (1)	0.4	800 - 2000	560.0
Wastewater Treatment Plants (22)	8.8	800 - 2000	12,320.0

Report Generated by SimSuite

<http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json& 25=88>