



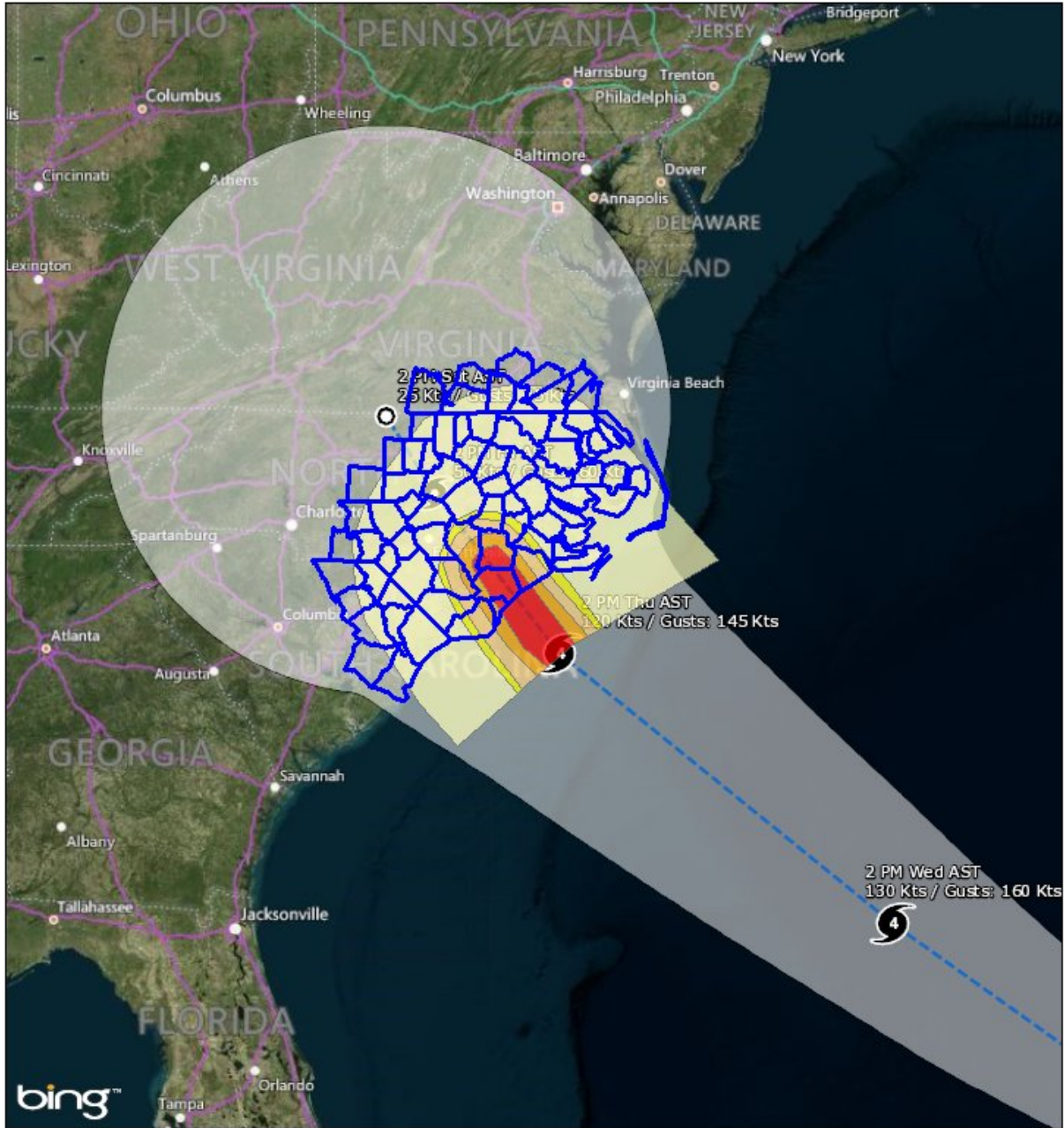
Hurricane Florence - Advisory #46

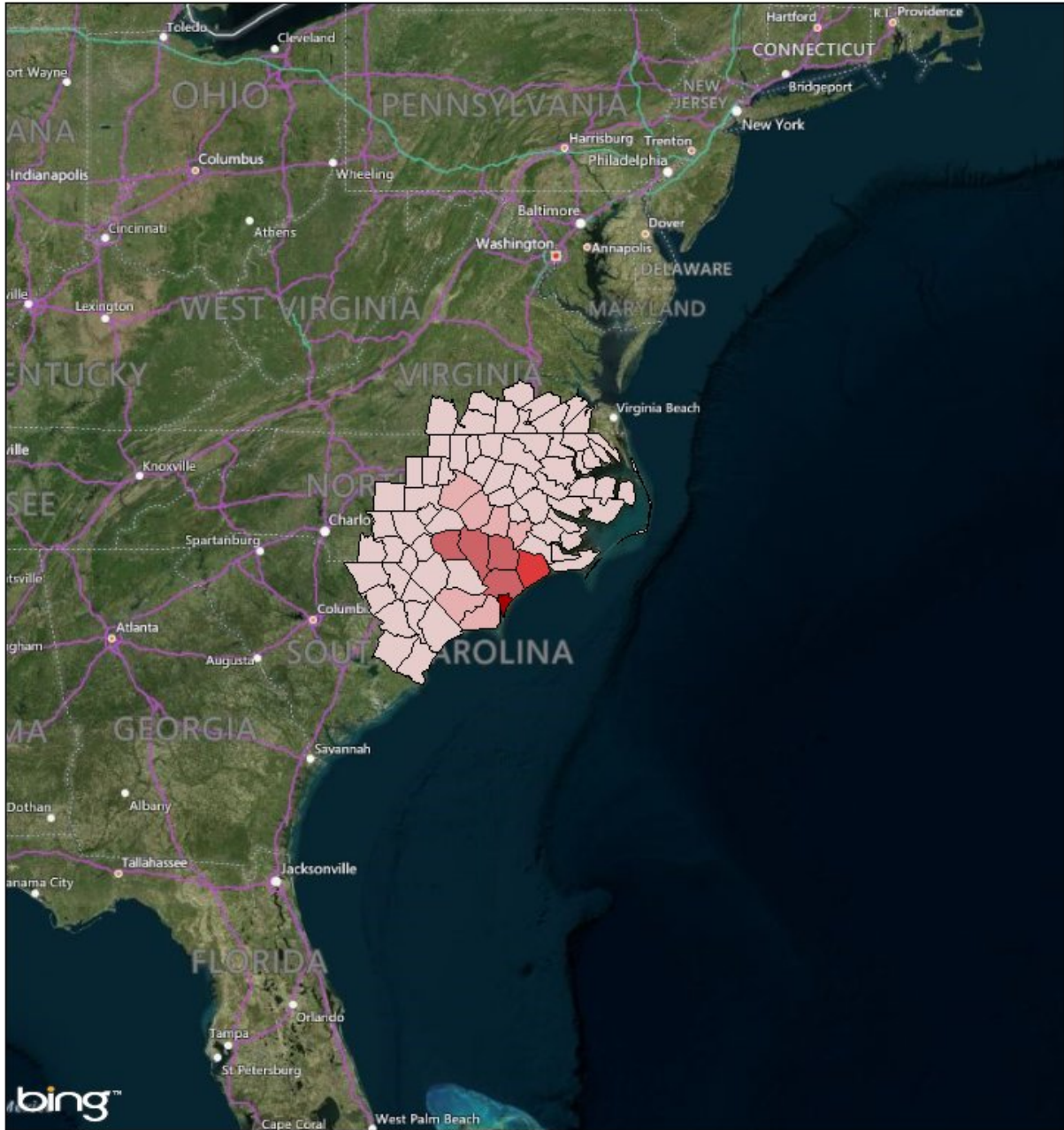
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http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=35

Updated as of 10 Sep 2018 (6:44 PM Eastern Daylight Time)

	Debris	5,728,211 cu. yd.	<p>North Carolina 96% (5,481,146)</p> <p>South Carolina 3% (173,559)</p> <p>Virginia 1% (73,506)</p>
	Temporary Roofing	34,405 units	<p>North Carolina 100% (34,405)</p> <p>South Carolina <1% (0)</p> <p>Virginia <1% (0)</p>
	Population	5,872,759 people	<p>North Carolina 82% (4,844,528)</p> <p>South Carolina 12% (721,372)</p> <p>Virginia 5% (306,859)</p>
	Households	1,899,935 households	<p>North Carolina 82% (1,555,944)</p> <p>South Carolina 13% (241,648)</p> <p>Virginia 5% (102,343)</p>
	Critical Infrastructure	<p>North Carolina</p> <ul style="list-style-type: none"> (40) 15 - 35 kW (2) 15 - 40 kW (60) 35 - 75 kW (10) 35 - 100 kW (5) 40 - 100 kW (70) 200 - 300 kW (4) 400 - 600 kW (11) 800 - 2000 kW 	



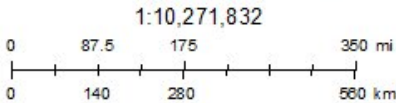


Mission Summaries

Debris

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards

> 1,000,000 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.

Total Counties	77
Debris (cu. yd.)	5,728,211
Temporary Roofing (units)	34,405
Population	5,872,759
Households	1,899,935

NORTH CAROLINA	Yards of Debris (5,481,146)	Roof Units (34,405)	Population (4,844,528)	Households (1,555,944)
Alamance	37,049	0	150,355	51,584
Anson	6,611	0	25,341	9,204
Beaufort	13,157	0	46,951	18,319
Bertie	5,561	0	20,019	7,743
Bladen	79,473	1,088	32,577	12,897
Brunswick	187,564	2,567	113,235	30,438
Camden	1,912	0	10,301	2,662
Carteret	30,937	1,008	64,494	25,204
Chatham	14,179	0	64,256	19,741
Chowan	4,008	0	14,807	5,580
Columbus	131,303	1,797	54,899	21,308
Craven	24,838	0	99,813	34,582
Cumberland	302,925	7,139	324,167	107,358
Dare	9,114	0	34,007	12,690
Duplin	355,356	1,431	54,388	18,267
Durham	63,933	0	270,938	89,015
Edgecombe	14,646	0	52,057	20,392
Franklin	12,815	0	60,792	17,843
Gates	2,802	0	12,160	3,901
Granville	11,961	0	59,205	16,654
Greene	8,219	268	21,331	6,696
Halifax	15,889	0	55,202	22,122
Harnett	24,276	0	115,536	33,800
Hertford	6,430	0	23,672	8,953
Hoke	8,168	0	46,265	11,373
Hyde	1,569	0	5,428	2,185
Johnston	131,474	3,099	174,426	46,595
Jones	25,024	342	10,288	4,061
Lee	13,263	0	60,038	18,466
Lenoir	147,041	2,012	57,180	23,862
Martin	7,197	0	23,823	10,020
Montgomery	7,073	0	27,572	9,848
Moore	22,059	0	88,177	30,713
Nash	24,164	0	95,531	33,644
New Hanover	1,784,703	4,841	199,320	68,183
Northampton	6,242	0	21,041	8,691
Onslow	722,997	3,308	172,836	48,122
Orange	32,940	0	131,514	45,863
Pamlico	3,719	0	12,853	5,178
Pasquotank	9,270	0	42,443	12,907
Pender	420,216	1,140	54,546	16,054
Perquimans	3,336	0	13,145	4,645

Person	10,116	0	38,155	14,085
Pitt	37,735	0	162,304	52,539
Randolph	36,385	0	143,505	50,659
Richmond	12,837	0	46,893	17,873
Robeson	31,370	0	132,092	43,677
Sampson	270,908	1,531	65,513	22,273
Scotland	9,624	0	37,059	13,399
Tyrrell	1,104	0	4,244	1,537
Vance	11,635	0	43,297	16,199
Wake	173,840	0	927,140	242,040
Warren	5,536	0	19,843	7,708
Washington	3,855	0	12,996	5,367
Wayne	120,235	2,834	115,330	42,612
Wilson	20,551	0	79,228	28,613

SOUTH CAROLINA	Yards of Debris (173,559)	Roof Units (0)	Population (721,372)	Households (241,648)
Chesterfield	11,892	0	43,753	16,557
Darlington	18,525	0	67,389	25,793
Dillon	8,043	0	30,941	11,199
Florence	33,862	0	136,016	47,147
Georgetown	15,556	0	64,020	21,659
Horry	58,751	0	279,428	81,800
Marion	9,553	0	34,336	13,301
Marlboro	7,526	0	28,995	10,478
Williamsburg	9,850	0	36,494	13,714

VIRGINIA	Yards of Debris (73,506)	Roof Units (0)	Population (306,859)	Households (102,343)
Brunswick	4,508	0	18,189	6,277
Dinwiddie	6,541	0	27,249	9,107
Emporia	1,599	0	5,778	2,226
Franklin City	2,430	0	8,556	3,384
Greensville	2,424	0	12,351	3,375
Halifax	10,786	0	36,023	15,018
Isle of Wight	8,130	0	36,330	11,319
Lunenburg	3,590	0	13,259	4,998
Mecklenburg	9,302	0	32,540	12,951
Southampton	4,510	0	19,004	6,279
Suffolk	16,723	0	85,224	23,283
Sussex	2,963	0	12,356	4,126

Critical Infrastructure

Total: **1327 Structures**

Power Requirements: **42,935.4 kW**

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (22)	1.1	35 - 75	60.5
Cellular Towers (96)	57.6	35 - 75	3,168.0
FM Antennas (48)	2.4	35 - 75	132.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (48)	0.0	200 - 300	0.0
Public Schools (217)	65.1	200 - 300	16,275.0
Colleges and Universities (12)	0.2	200 - 300	60.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (1)	0.1	15 - 35	2.5
Emergency Medical Service (187)	18.7	15 - 35	467.5
Fire Stations (185)	18.5	15 - 35	462.5
Service Providers (1)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (72)	10.8	35 - 100	729.0
Hospitals (17)	5.1	800 - 2000	7,140.0
Urgent Care Facilities (27)	5.4	200 - 300	1,350.0
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 (12)	0.0	15 - 35	0.0
National Security Government Military Facilities (149)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (20)	4.0	400 - 600	2,000.0
Local Police (42)	4.2	15 - 35	105.0
State Police (9)	0.5	15 - 35	11.3
Correctional Facilities (21)	4.2	400 - 600	2,100.0
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 (0)	0.0	100 - 200	0.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (42)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (18)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (6)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (49)	5.9	40 - 100	411.6

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (15)	6.0	800 - 2000	8,400.0