



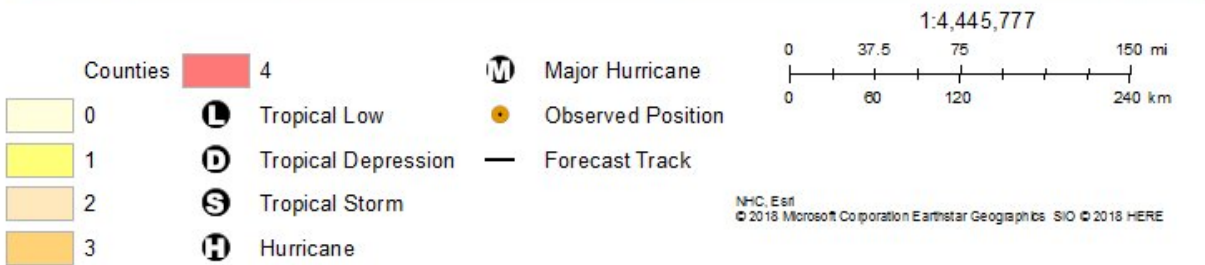
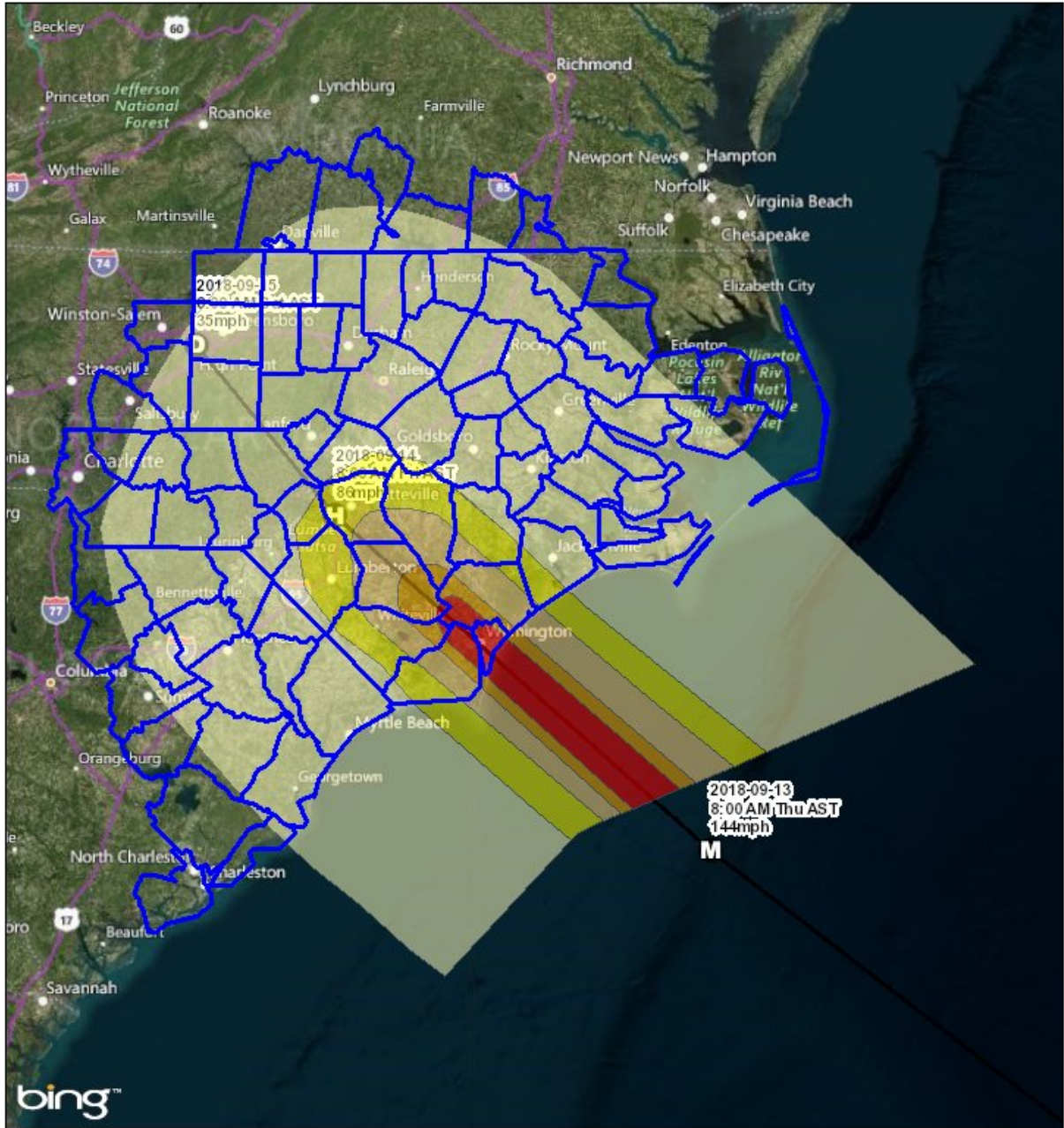
Hurricane Florence - Advisory #45

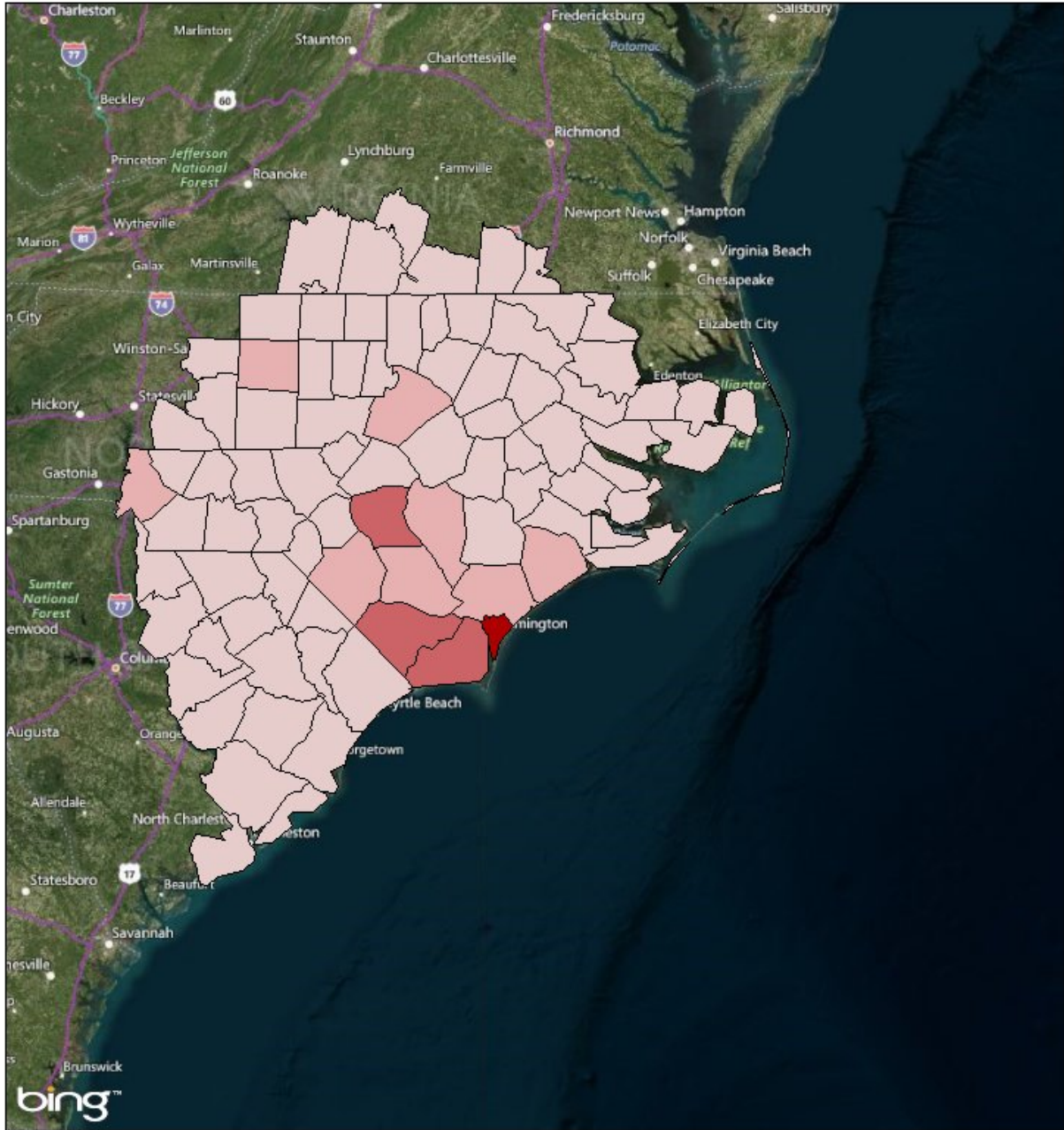
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http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=34

Updated as of 10 Sep 2018 (12:42 PM Eastern Daylight Time)

	Debris	5,526,861 cu. yd.	<p>North Carolina 94% (5,182,667)</p> <p>South Carolina 5% (281,088)</p> <p>Virginia 1% (63,106)</p>
	Temporary Roofing	31,625 units	<p>North Carolina 100% (31,625)</p> <p>South Carolina <1% (0)</p> <p>Virginia <1% (0)</p>
	Population	9,171,047 people	<p>North Carolina 81% (7,395,583)</p> <p>South Carolina 17% (1,556,658)</p> <p>Virginia 2% (218,806)</p>
	Households	2,963,621 households	<p>North Carolina 80% (2,361,070)</p> <p>South Carolina 17% (514,688)</p> <p>Virginia 3% (87,863)</p>
	Critical Infrastructure	<p>North Carolina</p> <ul style="list-style-type: none"> (45) 15 - 35 kW (2) 15 - 40 kW (61) 35 - 75 kW (15) 35 - 100 kW (6) 40 - 100 kW (98) 200 - 300 kW (4) 400 - 600 kW (9) 800 - 2000 kW 	

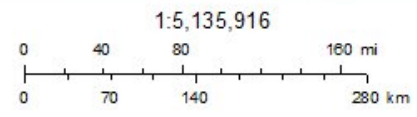




Mission Summaries

Debris

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards
- 250,000 - 499,999 cubic yards
- > 1,000,000 cubic yards



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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	84
Debris (cu. yd.)	5,526,861
Temporary Roofing (units)	31,625
Population	9,171,047
Households	2,963,621

NORTH CAROLINA	Yards of Debris (5,182,667)	Roof Units (31,625)	Population (7,395,583)	Households (2,361,070)
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	193,768	887	32,577	12,897
Brunswick	370,219	2,093	113,235	30,438
Cabarrus	35,566	0	179,310	49,519
Carteret	18,102	0	64,494	25,204
Caswell	6,227	0	23,493	8,670
Chatham	14,179	0	64,256	19,741
Columbus	259,170	1,465	54,899	21,308
Craven	24,838	0	99,813	34,582
Cumberland	415,833	7,139	324,167	107,358
Dare	0	0	34,007	12,690
Davidson	41,769	0	161,188	58,156
Duplin	51,543	1,215	54,388	18,267
Durham	63,933	0	270,938	89,015
Edgecombe	14,646	0	52,057	20,392
Forsyth	88,954	0	353,339	123,851
Franklin	12,815	0	60,792	17,843
Granville	11,961	0	59,205	16,654
Greene	4,809	0	21,331	6,696
Guilford	121,142	0	485,583	168,667
Halifax	15,889	0	55,202	22,122
Harnett	41,488	1,352	115,536	33,800
Hertford	6,430	0	23,672	8,953
Hoke	13,960	455	46,265	11,373
Hyde	1,569	0	5,428	2,185
Johnston	57,193	1,864	174,426	46,595
Jones	2,917	0	10,288	4,061
Lee	13,263	0	60,038	18,466
Lenoir	17,138	0	57,180	23,862
Martin	7,197	0	23,823	10,020
Mecklenburg	196,376	0	937,963	273,416
Montgomery	7,073	0	27,572	9,848
Moore	37,699	1,229	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	135,783	3,200	172,836	48,122
Orange	32,940	0	131,514	45,863
Pamlico	3,719	0	12,853	5,178

Pender	241,199	1,104	54,546	16,054
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	123,240	2,905	132,092	43,677
Rockingham	26,567	0	92,558	36,989
Rowan	35,868	0	142,013	49,940
Sampson	137,250	1,878	65,513	22,273
Scotland	9,624	0	37,059	13,399
Stanly	15,961	0	60,892	22,223
Tyrrell	1,104	0	4,244	1,537
Union	31,164	0	207,572	43,390
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	30,605	0	115,330	42,612
Wilson	20,551	0	79,228	28,613

SOUTH CAROLINA	Yards of Debris (281,088)	Roof Units (0)	Population (1,556,658)	Households (514,688)
Berkeley	35,855	0	175,573	49,922
Charleston	0	0	361,569	123,326
Chesterfield	11,892	0	43,753	16,557
Clarendon	8,484	0	34,508	11,812
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
Kershaw	14,500	0	61,757	20,188
Lancaster	16,647	0	76,643	23,178
Lee	4,946	0	20,260	6,886
Marion	9,553	0	34,336	13,301
Marlboro	7,526	0	28,995	10,478
Sumter	27,097	0	104,976	37,728
Williamsburg	9,850	0	36,494	13,714

VIRGINIA	Yards of Debris (63,106)	Roof Units (0)	Population (218,806)	Households (87,863)
Brunswick	4,508	0	18,189	6,277
Charlotte	3,556	0	12,564	4,951
Danville	14,801	0	44,749	20,607
Greensville	2,424	0	12,351	3,375
Halifax	10,786	0	36,023	15,018
Mecklenburg	9,302	0	32,540	12,951
Pittsylvania	17,729	0	62,390	24,684

Critical Infrastructure

Total: **1618 Structures**

Power Requirements: **49,459.0 kW**

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (24)	1.2	35 - 75	66.0
Cellular Towers (97)	58.2	35 - 75	3,201.0
FM Antennas (56)	2.8	35 - 75	154.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (67)	0.0	200 - 300	0.0
Public Schools (302)	90.6	200 - 300	22,650.0
Colleges and Universities (16)	0.3	200 - 300	80.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (1)	0.1	15 - 35	2.5
Emergency Medical Service (202)	20.2	15 - 35	505.0
Fire Stations (213)	21.3	15 - 35	532.5
Service Providers (1)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (101)	15.1	35 - 100	1,022.6
Hospitals (16)	4.8	800 - 2000	6,720.0
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 (17)	0.0	15 - 35	0.0
National Security Government Military Facilities (205)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (22)	4.4	400 - 600	2,200.0
Local Police (48)	4.8	15 - 35	120.0
State Police (9)	0.5	15 - 35	11.3
Correctional Facilities (23)	4.6	400 - 600	2,300.0
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 (1)	0.0	100 - 300	0.0
Bus Stations (27)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (7)	0.0	100 - 300	0.0
Railroad Stations (1)	0.0	100 - 300	0.0
Public-Use Airports (54)	6.5	40 - 100	453.6

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (13)	5.2	800 - 2000	7,280.0