



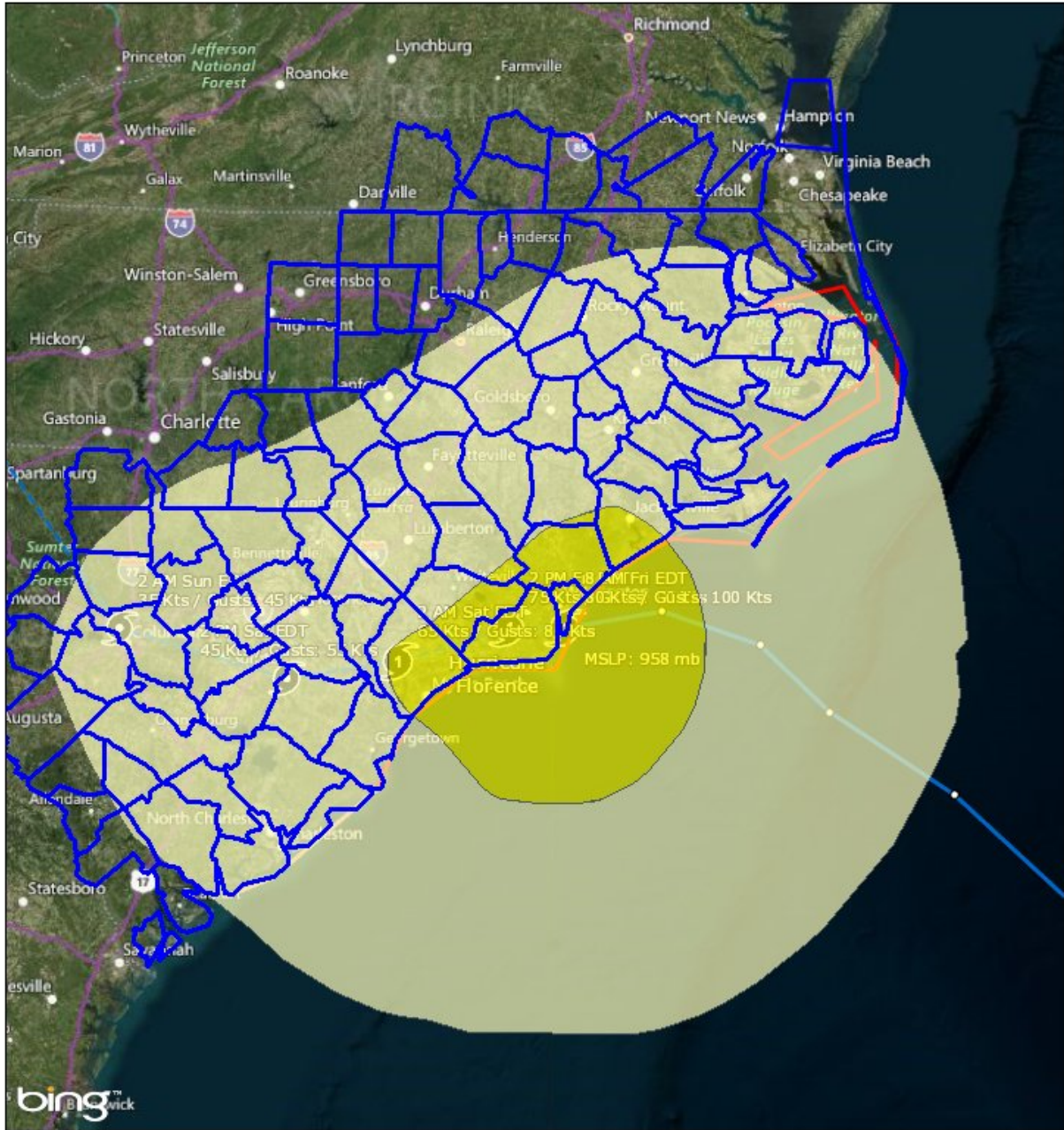
Hurricane Florence - Advisory #61

For Planning Purposes Only!

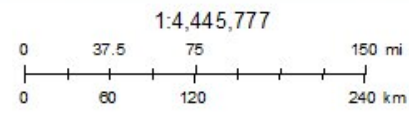
http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=46

Updated as of 14 Sep 2018 (1:01 PM Eastern Daylight Time)

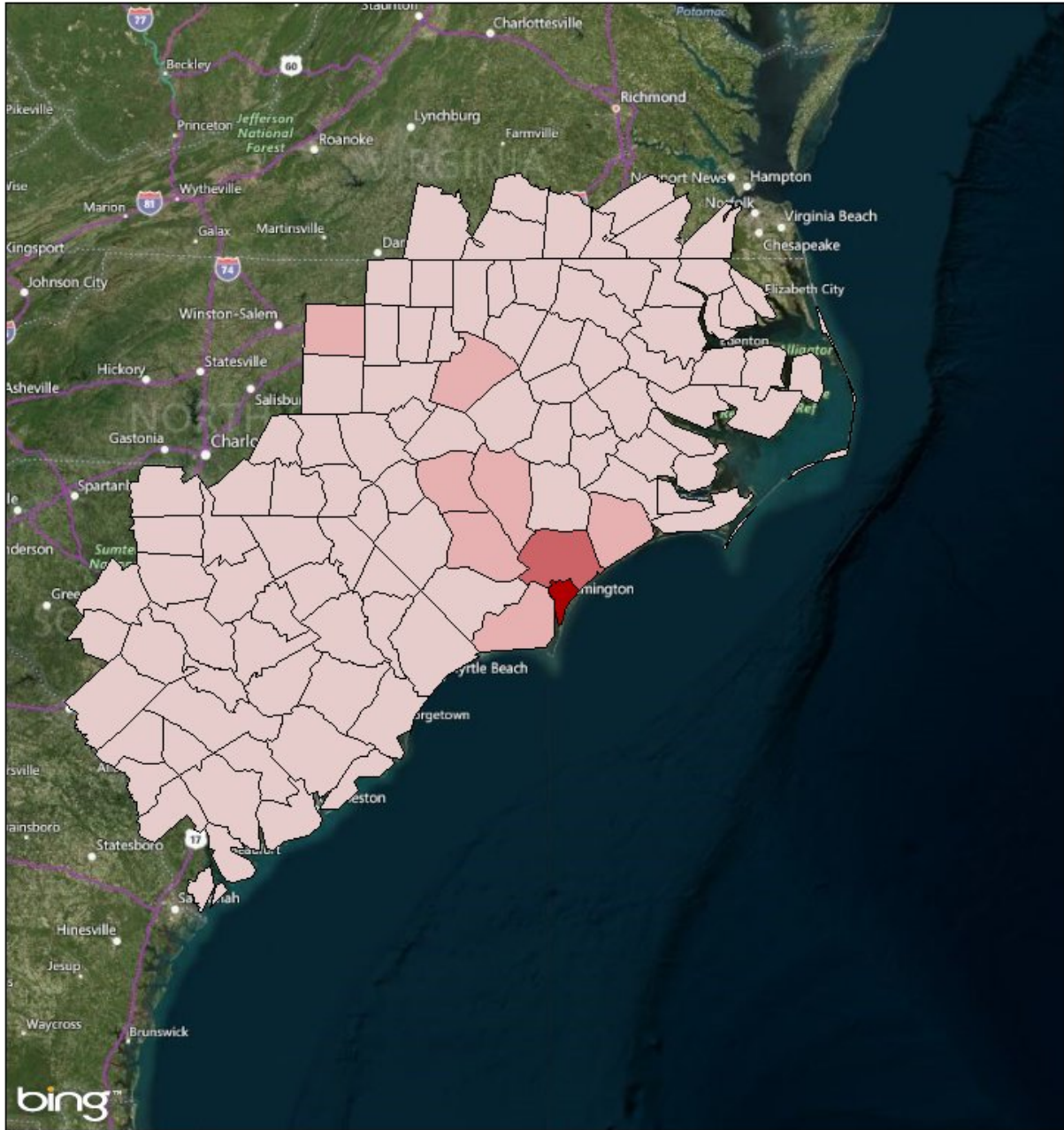
	Debris	3,740,796 cu. yd.	<p>North Carolina 94% (3,510,832)</p> <p>South Carolina 5% (173,559)</p> <p>Virginia 2% (56,405)</p>
	Temporary Roofing	5,514 units	<p>North Carolina 100% (5,514)</p> <p>South Carolina <1% (0)</p> <p>Virginia <1% (0)</p>
	Population	6,360,291 people	<p>North Carolina 85% (5,404,195)</p> <p>South Carolina 11% (721,372)</p> <p>Virginia 4% (234,724)</p>
	Households	2,073,023 households	<p>North Carolina 85% (1,752,842)</p> <p>South Carolina 12% (241,648)</p> <p>Virginia 4% (78,533)</p>
	Critical Infrastructure	<p>North Carolina</p> <ul style="list-style-type: none"> (30) 15 - 35 kW (1) 15 - 40 kW (50) 35 - 75 kW (9) 35 - 100 kW (3) 40 - 100 kW (53) 200 - 300 kW (1) 400 - 600 kW (7) 800 - 2000 kW 	



- Counties
- 0
- 1
- Hurricane Watch
- Hurricane Warning
- Tropical Storm Watch
- Tropical Storm Warning



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 NOAA/NOS/OCES now COAST, NOAA/NWS/INHC, NOAA/NWS/OPHC



Mission Summaries

Debris

Light pink square: < 100,000 cubic yards

Light red square: 100,000 - 249,000 cubic yards

Dark red square: 250,000 - 499,999 cubic yards

Dark red square: > 1,000,000 cubic yards

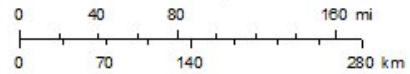
Mission Summaries

Debris

Light pink square: < 100,000 cubic yards

Light red square: 100,000 - 249,000 cubic yards

1:5,135,916



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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	76
Debris (cu. yd.)	3,740,796
Temporary Roofing (units)	8,485
Population	6,360,291
Households	2,073,023

NORTH CAROLINA	Yards of Debris (3,510,832)	Roof Units (5,514)	Population (5,404,195)	Households (1,752,842)
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	156,867	222	32,577	12,897
Brunswick	187,564	642	113,235	30,438
Carteret	18,102	0	64,494	25,204
Caswell	6,227	0	23,493	8,670
Chatham	14,179	0	64,256	19,741
Chowan	4,008	0	14,807	5,580
Columbus	60,123	354	54,899	21,308
Craven	24,838	0	99,813	34,582
Cumberland	131,777	1,074	324,167	107,358
Dare	9,114	0	34,007	12,690
Duplin	51,543	304	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	4,809	0	21,331	6,696
Guilford	121,142	0	485,583	168,667
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	33,466	0	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
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	1,326,395	1,335	199,320	68,183
Northampton	6,242	0	21,041	8,691
Onslow	135,783	800	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	312,306	314	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	137,250	470	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
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 (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 (56,405)	Roof Units (0)	Population (234,724)	Households (78,533)
Brunswick	4,508	0	18,189	6,277
Emporia	1,599	0	5,778	2,226
Greensville	2,424	0	12,351	3,375
Halifax	10,786	0	36,023	15,018
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: **1017 Structures**

Power Requirements: **31,789.1 kW**

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (11)	0.6	35 - 75	30.3
Cellular Towers (81)	48.6	35 - 75	2,673.0
FM Antennas (47)	2.4	35 - 75	129.3
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (50)	0.0	200 - 300	0.0
Public Schools (157)	47.1	200 - 300	11,775.0
Colleges and Universities (10)	0.2	200 - 300	50.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (1)	0.1	15 - 35	2.5
Emergency Medical Service (131)	13.1	15 - 35	327.5
Fire Stations (146)	14.6	15 - 35	365.0
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (60)	9.0	35 - 100	607.5
Hospitals (13)	3.9	800 - 2000	5,460.0
Urgent Care Facilities (30)	6.0	200 - 300	1,500.0
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 (111)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (9)	1.8	400 - 600	900.0
Local Police (32)	3.2	15 - 35	80.0
State Police (5)	0.3	15 - 35	6.3
Correctional Facilities (9)	1.8	400 - 600	900.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (5)	1.0	15 - 40	27.5
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 (15)	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 (28)	3.4	40 - 100	235.2

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (12)	4.8	800 - 2000	6,720.0