



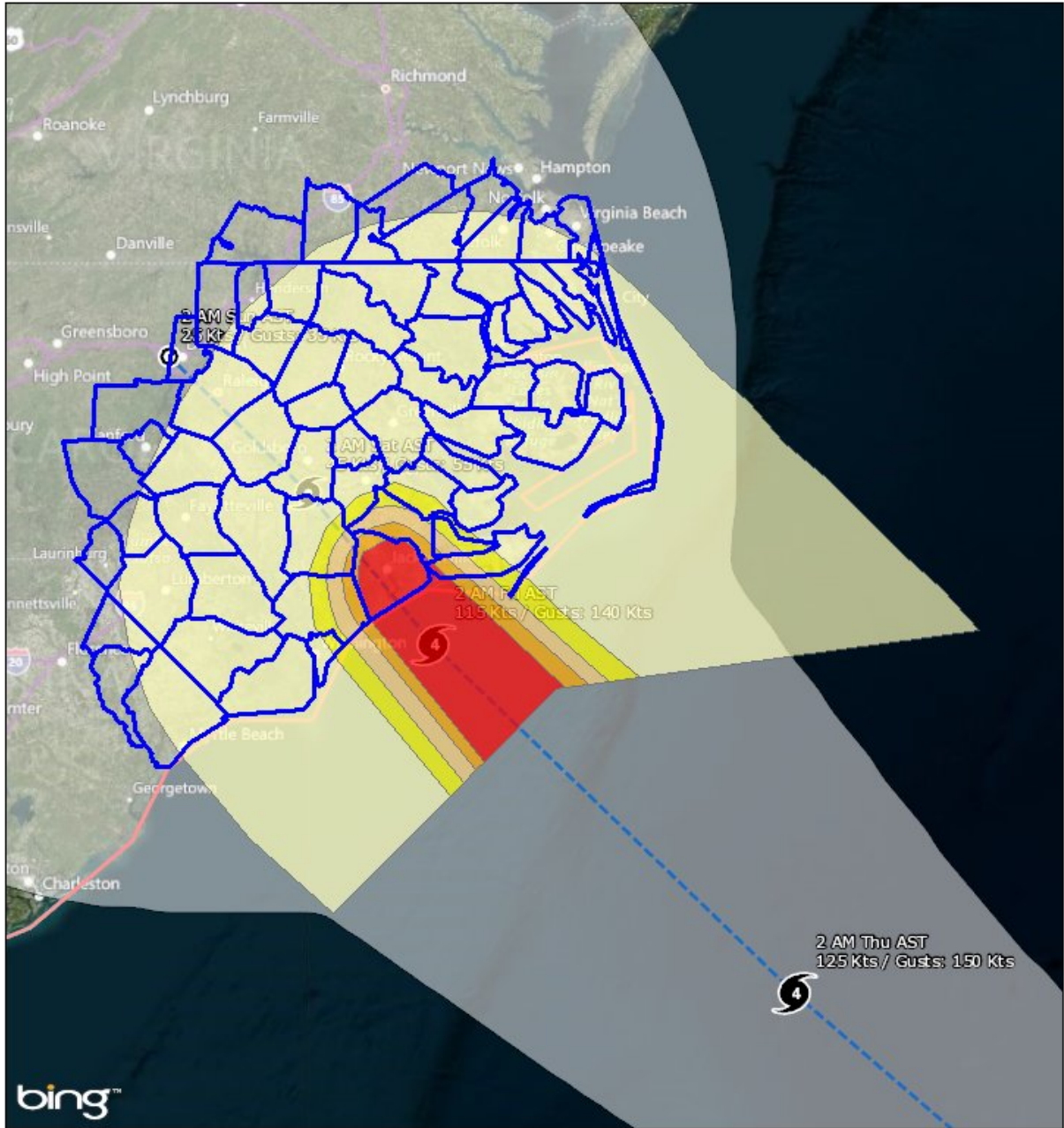
# Hurricane Florence - Advisory #48

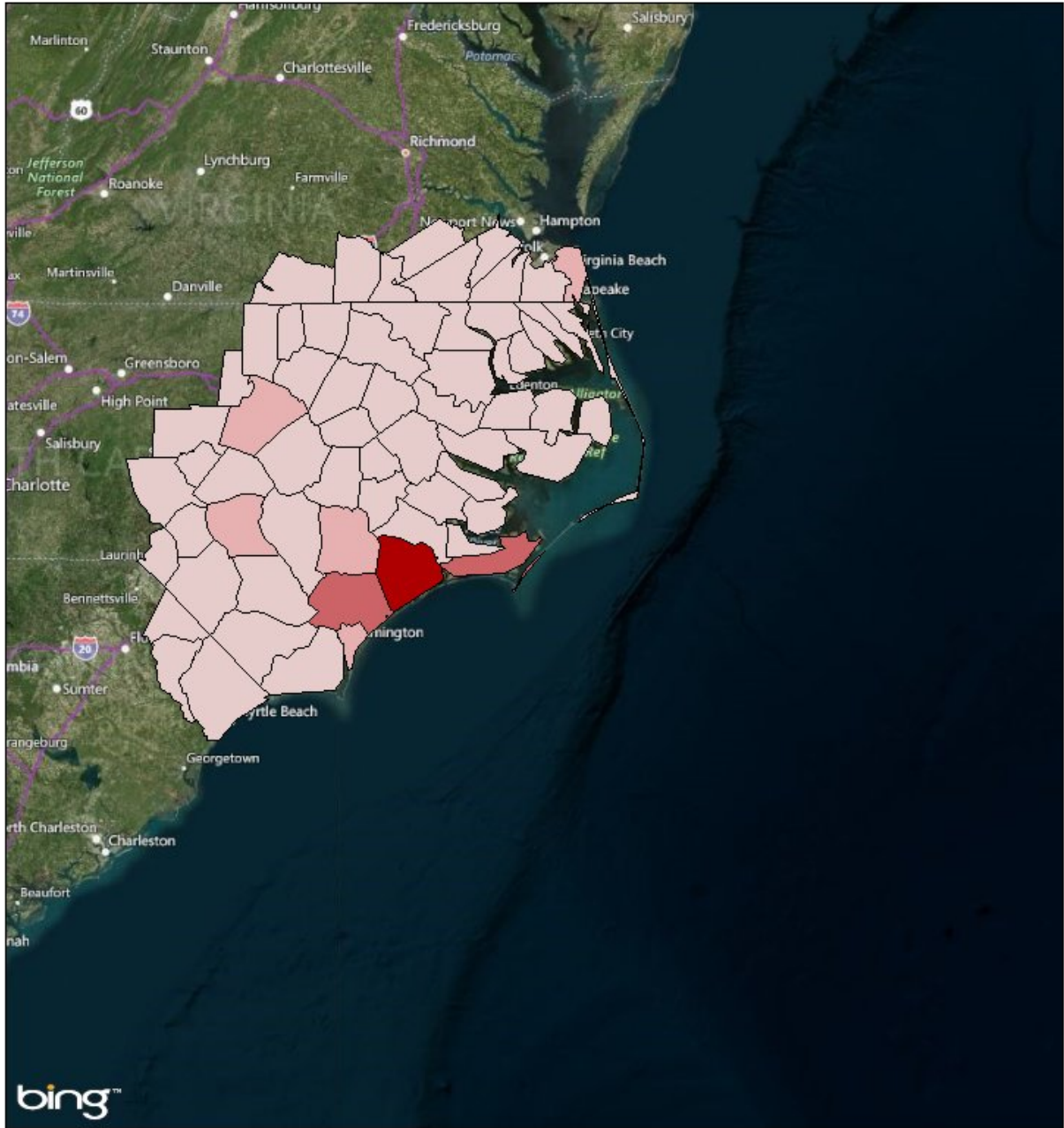
For Planning Purposes Only!

[http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?\\_66=36](http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=36)

Updated as of 11 Sep 2018 (8:55 AM Eastern Daylight Time)

	<b>Debris</b>	3,907,432 cu. yd.	<p>North Carolina 90% (3,515,830)</p> <p>Virginia 7% (288,532)</p> <p>South Carolina 3% (103,070)</p>
	<b>Temporary Roofing</b>	14,330 units	<p>North Carolina 100% (14,330)</p> <p>Virginia &lt;1% (0)</p> <p>South Carolina &lt;1% (0)</p>
	<b>Population</b>	5,540,977 people	<p>North Carolina 78% (4,306,023)</p> <p>Virginia 16% (890,249)</p> <p>South Carolina 6% (344,705)</p>
	<b>Households</b>	1,767,605 households	<p>North Carolina 77% (1,363,730)</p> <p>Virginia 17% (297,575)</p> <p>South Carolina 6% (106,300)</p>
	<b>Critical Infrastructure</b>	<p>North Carolina</p> <ul style="list-style-type: none"> <li> (24) 15 - 35 kW</li> <li> (1) 15 - 40 kW</li> <li> (32) 35 - 75 kW</li> <li> (6) 35 - 100 kW</li> <li> (3) 40 - 100 kW</li> <li> (37) 200 - 300 kW</li> <li> (1) 400 - 600 kW</li> <li> (6) 800 - 2000 kW</li> </ul>	

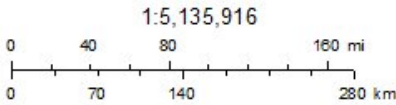




**Mission Summaries**

**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	64
Debris (cu. yd.)	3,907,432
Temporary Roofing (units)	14,330
Population	5,540,977
Households	1,767,605

<b>NORTH CAROLINA</b>	<b>Yards of Debris (3,515,830)</b>	<b>Roof Units (14,330)</b>	<b>Population (4,306,023)</b>	<b>Households (1,363,730)</b>
Beaufort	17,762	0	46,951	18,319
Bertie	7,508	0	20,019	7,743
Bladen	12,505	0	32,577	12,897
Brunswick	29,513	0	113,235	30,438
Camden	2,581	0	10,301	2,662
Carteret	413,853	1,733	64,494	25,204
Chatham	19,141	0	64,256	19,741
Chowan	5,410	0	14,807	5,580
Columbus	20,660	0	54,899	21,308
Craven	57,304	1,383	99,813	34,582
Cumberland	104,095	0	324,167	107,358
Currituck	6,692	0	24,830	6,902
Dare	12,304	0	34,007	12,690
Duplin	151,961	1,541	54,388	18,267
Durham	86,310	0	270,938	89,015
Edgecombe	19,772	0	52,057	20,392
Franklin	17,301	0	60,792	17,843
Gates	3,782	0	12,160	3,901
Granville	16,148	0	59,205	16,654
Greene	6,493	0	21,331	6,696
Halifax	21,450	0	55,202	22,122
Harnett	32,773	0	115,536	33,800
Hertford	8,681	0	23,672	8,953
Hoke	11,027	0	46,265	11,373
Hyde	2,119	0	5,428	2,185
Johnston	45,179	0	174,426	46,595
Jones	66,682	279	10,288	4,061
Lee	17,905	0	60,038	18,466
Lenoir	90,895	1,587	57,180	23,862
Martin	9,715	0	23,823	10,020
Moore	29,780	0	88,177	30,713
Nash	32,622	0	95,531	33,644
New Hanover	112,983	2,727	199,320	68,183
Northampton	8,427	0	21,041	8,691
Onslow	1,263,788	3,770	172,836	48,122
Pamlico	8,580	207	12,853	5,178
Pasquotank	12,515	0	42,443	12,907
Pender	263,609	1,104	54,546	16,054
Perquimans	4,504	0	13,145	4,645
Pitt	50,942	0	162,304	52,539
Robeson	42,350	0	132,092	43,677
Sampson	21,596	0	65,513	22,273

Scotland	12,992	0	37,059	13,399
Tyrrell	1,490	0	4,244	1,537
Vance	15,707	0	43,297	16,199
Wake	234,685	0	927,140	242,040
Warren	7,474	0	19,843	7,708
Washington	5,204	0	12,996	5,367
Wayne	41,317	0	115,330	42,612
Wilson	27,743	0	79,228	28,613

<b>SOUTH CAROLINA</b>	<b>Yards of Debris (103,070)</b>	<b>Roof Units (0)</b>	<b>Population (344,705)</b>	<b>Households (106,300)</b>
Dillon	10,859	0	30,941	11,199
Horry	79,314	0	279,428	81,800
Marion	12,897	0	34,336	13,301

<b>VIRGINIA</b>	<b>Yards of Debris (288,532)</b>	<b>Roof Units (0)</b>	<b>Population (890,249)</b>	<b>Households (297,575)</b>
Brunswick	6,086	0	18,189	6,277
Chesapeake	67,776	0	223,279	69,900
Emporia	2,158	0	5,778	2,226
Franklin City	3,281	0	8,556	3,384
Greensville	3,272	0	12,351	3,375
Isle of Wight	10,975	0	36,330	11,319
Mecklenburg	12,557	0	32,540	12,951
Southampton	6,088	0	19,004	6,279
Suffolk	22,575	0	85,224	23,283
Sussex	4,001	0	12,356	4,126
Virginia Beach	149,761	0	436,642	154,455

## Critical Infrastructure

Total: **784 Structures**

Power Requirements: **24,111.9 kW**

<b>Communications</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
AM Antennas (10)	0.5	35 - 75	27.5
Cellular Towers (52)	31.2	35 - 75	1,716.0
FM Antennas (28)	1.4	35 - 75	77.0
<b>Education</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
Private Schools (24)	0.0	200 - 300	0.0
Public Schools (114)	34.2	200 - 300	8,550.0
Colleges and Universities (3)	0.1	200 - 300	15.0
<b>Emergency Services</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (112)	11.2	15 - 35	280.0
Fire Stations (117)	11.7	15 - 35	292.5
Service Providers (0)	0.0	0 - 0	0.0
<b>Healthcare</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
Nursing Homes (44)	6.6	35 - 100	445.5
Hospitals (7)	2.1	800 - 2000	2,940.0
Urgent Care Facilities (18)	3.6	200 - 300	900.0
<b>Military</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
Air National Guard (ANG) Sites (0)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (5)	0.0	15 - 35	0.0
National Security Government Military Facilities (126)	0.0	15 - 35	0.0
<b>Law Enforcement</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
Prison Points (9)	1.8	400 - 600	900.0
Local Police (24)	2.4	15 - 35	60.0
State Police (5)	0.3	15 - 35	6.3
Correctional Facilities (9)	1.8	400 - 600	900.0
<b>State and Local EOC</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
Local Emergency Operations Centers (7)	1.4	15 - 40	38.5
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 (21)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (7)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (1)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (29)	3.5	40 - 100	243.6

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