



Hurricane Michael - Advisory #11

For Planning Purposes Only!

http://simsuite.usace.army.mil/wab/v2.9/index.html?config=config-mission-models.json&_25=49

Updated as of 9 Oct 2018 (8:01 AM Eastern Daylight Time)



Debris

1,014,725

cu. yd.

Florida 68% (692,592)

Georgia 29% (294,017)

Alabama 3% (28,116)



Temporary Roofing

6,980

units

Florida 94% (6,582)

Georgia 6% (397)

Alabama <1% (1)



Population

1,929,389

people

Georgia 58% (1,112,418)

Florida 37% (708,449)

Alabama 6% (108,523)



Households

664,429

households

Georgia 58% (387,112)

Florida 36% (238,209)

Alabama 6% (39,108)



Critical Infrastructure

Florida



(10) 15 - 35 kW



(1) 15 - 40 kW



(22) 35 - 75 kW



(4) 35 - 100 kW



(4) 40 - 100 kW



(27) 200 - 300 kW



(5) 400 - 600 kW



(4) 800 - 2000 kW

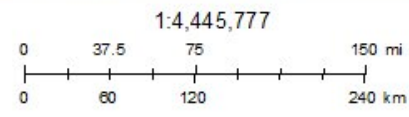
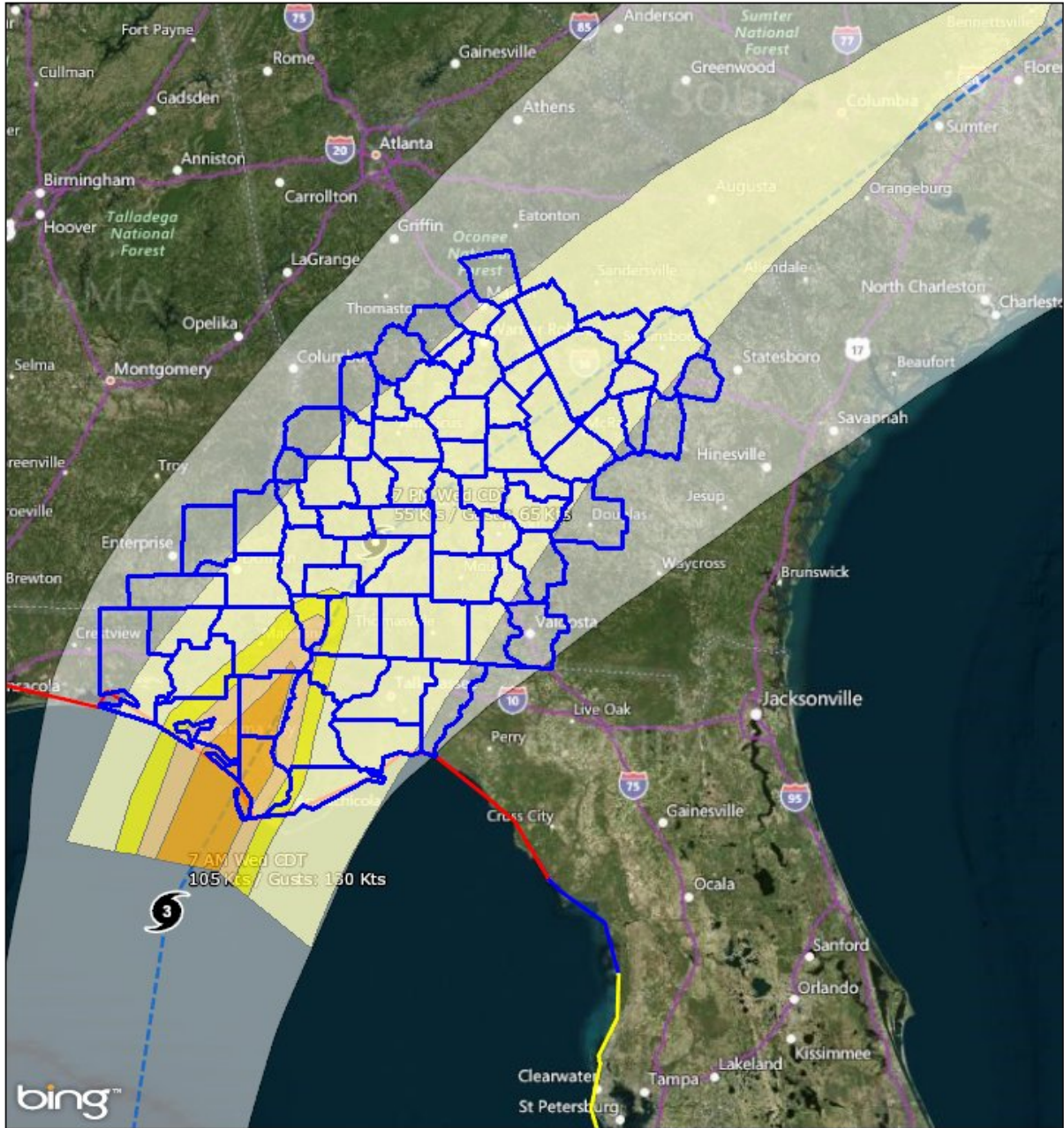
Georgia



(1) 35 - 75 kW



(1) 200 - 300 kW



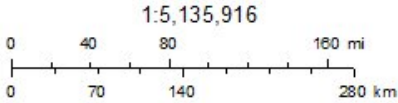
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 NOAA/NOS/OCST, NOAA/NWS/INHC, NOAA/NWS/OPHC



Mission Summaries

Debris

- < 100,000 cubic yards
- 250,000 - 499,999 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.

Summary	
Total Counties	72
Debris (cu. yd.)	1,014,725
Temporary Roofing (units)	6,980
Population	1,929,389.009
Households	664,428.779

Population Distribution	
Tropical Storm	1,660,261
Category 1	103,861
Category 2	94,929
Category 3	63,330

ALABAMA	Yards of Debris (28,116)	Roof Units (1)	Population (108,523)	Households (39,108)
Dale	187	0	666	261
Geneva	1,781	0	6,191	2,480
Henry	2,311	0	8,323	3,218
Houston	23,836	1	93,343	33,150

FLORIDA	Yards of Debris (692,592)	Roof Units (6,582)	Population (708,449)	Households (238,209)
Bay	408,320	4,469	170,190	59,595
Calhoun	54,831	489	14,060	4,468
Franklin	3,997	41	12,091	4,095
Gadsden	19,382	215	49,737	15,860
Gulf	57,826	511	16,351	4,931
Holmes	4,971	0	19,332	6,921
Jackson	45,839	682	51,316	16,620
Jefferson	3,372	0	14,782	4,695
Leon	69,324	0	273,560	96,521
Liberty	6,808	101	8,228	2,222
Wakulla	6,069	0	33,302	8,450
Walton	4,236	0	20,658	5,898
Washington	7,616	73	24,840	7,932

GEORGIA	Yards of Debris (294,017)	Roof Units (397)	Population (1,112,418)	Households (387,112)
Baker	1,087	0	4,004	1,514
Ben Hill	4,793	0	17,625	6,673
Berrien	1,913	0	7,297	2,664
Bibb	42,855	0	155,804	59,667
Bleckley	3,140	0	12,856	4,372
Brooks	4,421	0	16,481	6,155
Calhoun	1,409	0	6,240	1,962
Candler	29	0	128	40
Clay	967	0	3,243	1,347
Coffee	1,063	0	4,515	1,480
Colquitt	11,129	0	45,526	15,495
Cook	4,225	0	16,702	5,882
Crawford	703	0	2,912	978
Crisp	5,988	0	22,247	8,337
Decatur	12,945	169	29,716	10,384
Dodge	5,072	0	19,864	7,062
Dooly	2,808	0	11,499	3,909
Dougherty	25,535	0	95,174	35,552
Early	3,372	0	11,636	4,695
Emanuel	5,778	0	22,914	8,045
Grady	6,318	0	25,277	8,797
Houston	29,384	0	139,553	40,911
Irwin	2,617	0	10,209	3,644
Johnson	2,248	0	9,495	3,130
Jones	1,065	0	4,810	1,483
Laurens	12,270	0	47,971	17,083
Lee	5,910	0	34,148	8,229
Lowndes	109	0	496	152
Macon	3,472	0	13,441	4,834
Marion	247	0	908	343
Miller	2,046	10	6,135	2,487
Mitchell	5,791	0	24,118	8,063
Montgomery	2,097	0	8,758	2,919
Peach	6,059	0	26,953	8,436
Pulaski	2,447	0	9,849	3,407
Quitman	38	0	134	52
Randolph	2,089	0	7,177	2,909
Schley	1,031	0	4,369	1,435
Seminole	12,800	218	9,329	3,573
Stewart	209	0	686	292
Sumter	8,637	0	32,475	12,025
Taylor	179	0	667	249

Telfair	2,973	0	13,353	4,140
Terrell	2,874	0	10,526	4,002
Thomas	11,714	0	45,653	16,309
Tift	9,997	0	42,577	13,919
Toombs	458	0	1,810	637
Treutlen	1,818	0	6,679	2,531
Turner	2,467	0	9,161	3,435
Twiggs	2,752	0	10,181	3,832
Webster	654	0	2,214	911
Wheeler	1,444	0	6,953	2,011
Wilcox	2,000	0	8,747	2,785
Wilkinson	2,749	0	10,064	3,827
Worth	5,822	0	21,159	8,106

Critical Infrastructure

Summary	
Total Structures	622
Power Requirements	21,685.7

Range (kW)	# Cat 1	# Cat 2	# Cat 3
15 - 35	4.1	5.7	3.1
15 - 40	0.8	0.6	0.2
35 - 75	10.2	8.8	6.5
35 - 100	1.1	3.1	1.2
40 - 100	1.7	2.8	0.5
200 - 300	8.1	17.1	4.2
400 - 600	2.2	2.4	1.0
800 - 2000	0.6	2.0	1.8

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (9)	0.5	35 - 75	24.8
Cellular Towers (39)	23.4	35 - 75	1,287.0
FM Antennas (34)	1.7	35 - 75	93.5

Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (13)	0.0	200 - 300	0.0
Public Schools (97)	29.1	200 - 300	7,275.0
Colleges and Universities (4)	0.1	200 - 300	20.0

Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (36)	3.6	15 - 35	90.0
Fire Stations (76)	7.6	15 - 35	190.0
Service Providers (0)	0.0	0 - 0	0.0

Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (36)	5.4	35 - 100	364.5
Hospitals (8)	2.4	800 - 2000	3,360.0
Urgent Care Facilities (1)	0.2	200 - 300	50.0

Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (1)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (2)	0.0	15 - 35	0.0
National Security Government Military Facilities (93)	0.0	15 - 35	0.0

Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (28)	5.6	400 - 600	2,800.0
Local Police (15)	1.5	15 - 35	37.5
State Police (4)	0.2	15 - 35	5.0
Correctional Facilities (29)	5.8	400 - 600	2,900.0

State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (8)	1.6	15 - 40	44.0
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 (36)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (5)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (2)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (41)	4.9	40 - 100	344.4

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (5)	2.0	800 - 2000	2,800.0

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