



# Hurricane Michael - Advisory #15

For Planning Purposes Only!

[http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?\\_66=52](http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=52)

Updated as of 10 Oct 2018 (7:51 AM Eastern Daylight Time)



**Debris**

6,374,123

cu. yd.

Florida 53% (3,407,121)

Georgia 38% (2,427,212)

Alabama 8% (539,791)



**Temporary Roofing**

20,316

units

Georgia 55% (11,263)

Florida 32% (6,591)

Alabama 12% (2,462)



**Population**

2,417,406

people

Georgia 50% (1,210,539)

Florida 39% (937,632)

Alabama 11% (269,235)



**Households**

835,155

households

Georgia 50% (420,475)

Florida 38% (315,136)

Alabama 12% (99,544)



**Critical Infrastructure**

Alabama

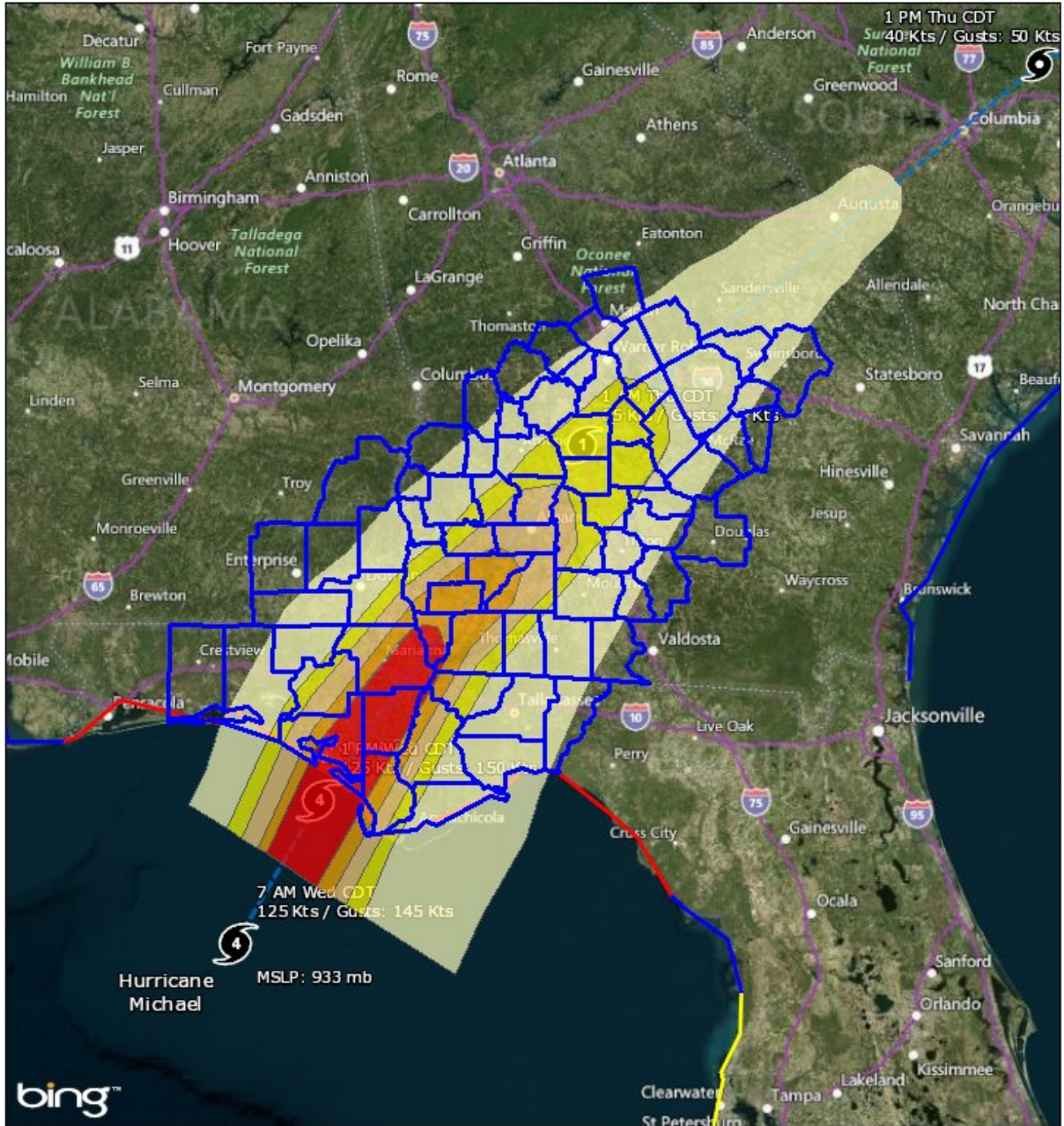
Florida

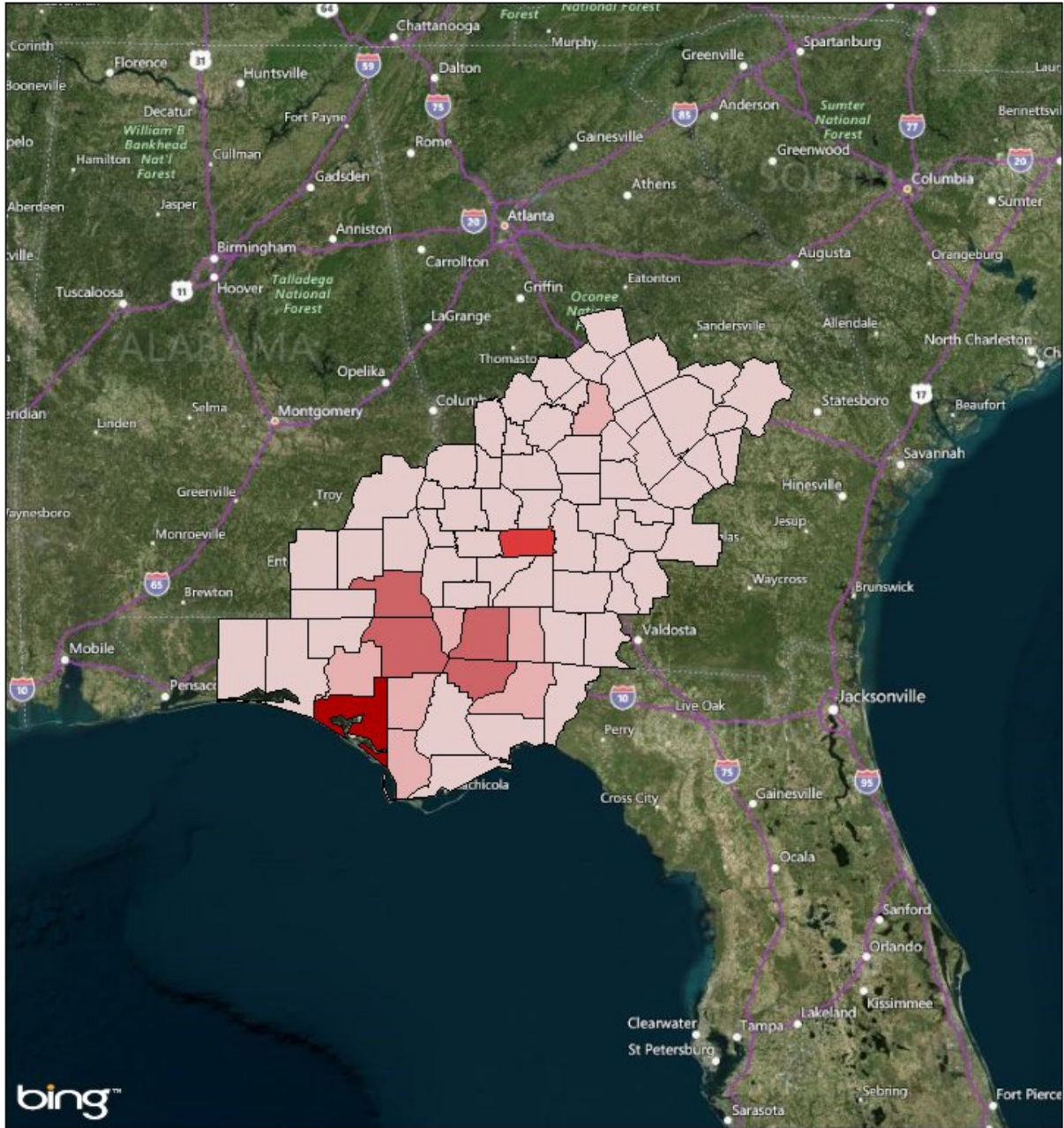
Georgia

(2) 15 - 35 kW  
 (3) 35 - 75 kW

(31) 15 - 35 kW  
 (4) 15 - 40 kW  
 (51) 35 - 75 kW  
 (16) 35 - 100 kW  
 (9) 40 - 100 kW  
 (70) 200 - 300 kW  
 (13) 400 - 600 kW  
 (8) 800 - 2000 kW

(10) 15 - 35 kW  
 (1) 15 - 40 kW  
 (10) 35 - 75 kW  
 (3) 35 - 100 kW  
 (6) 200 - 300 kW  
 (1) 400 - 600 kW  
 (1) 800 - 2000 kW



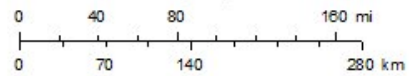


Mission Summaries

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

1:5,135,916



## 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	72
Debris (cu. yd.)	6,374,123
Temporary Roofing (units)	20,316
Population	2,417,406
Households	835,155

<b>ALABAMA</b>	<b>Yards of Debris (539,791)</b>	<b>Roof Units (2,462)</b>	<b>Population (269,235)</b>	<b>Households (99,544)</b>
Barbour	14,952	0	28,759	10,409
Coffee	25,025	0	48,378	17,421
Dale	27,117	0	48,162	18,878
Geneva	15,050	0	26,158	10,477
Henry	16,018	196	16,876	6,525
Houston	441,629	2,267	100,902	35,834

<b>FLORIDA</b>	<b>Yards of Debris (3,407,121)</b>	<b>Roof Units (6,591)</b>	<b>Population (937,632)</b>	<b>Households (315,136)</b>
Bay	1,790,802	3,073	170,196	59,597
Calhoun	233,901	238	14,061	4,468
Franklin	10,055	123	12,094	4,096
Gadsden	385,982	818	49,758	15,867
Gulf	119,952	254	16,351	4,931
Holmes	16,990	208	19,332	6,921
Jackson	404,300	857	51,316	16,620
Jefferson	6,744	0	14,782	4,695
Leon	138,649	0	273,560	96,521
Liberty	54,053	115	8,227	2,222
Okaloosa	0	0	191,856	66,269
Wakulla	12,138	0	33,302	8,450
Walton	40,624	496	57,960	16,548
Washington	192,930	409	24,837	7,931

<b>GEORGIA</b>	<b>Yards of Debris (2,427,212)</b>	<b>Roof Units (11,263)</b>	<b>Population (1,210,539)</b>	<b>Households (420,475)</b>
Baker	33,601	121	4,004	1,514
Ben Hill	16,382	200	17,625	6,673
Berrien	8,994	0	17,149	6,261
Bibb	85,709	0	155,804	59,667
Bleckley	10,733	131	12,856	4,372
Brooks	8,841	0	16,481	6,155
Calhoun	24,180	124	6,240	1,962
Clay	3,307	40	3,243	1,347
Coffee	19,182	0	40,745	13,354
Colquitt	87,442	773	45,526	15,495
Cook	8,449	0	16,702	5,882
Crawford	6,408	0	13,279	4,461
Crisp	28,957	250	22,247	8,337
Decatur	252,505	535	29,705	10,380
Dodge	17,337	212	19,864	7,062
Dooly	9,596	117	11,499	3,909
Dougherty	789,030	2,840	95,174	35,552
Early	57,863	297	11,636	4,695
Emanuel	11,556	0	22,914	8,045
Grady	108,417	556	25,277	8,797
Houston	100,432	1,227	139,553	40,911
Irwin	8,946	109	10,209	3,644
Johnson	4,496	0	9,495	3,130
Jones	12,438	0	28,087	8,659
Laurens	24,539	0	47,971	17,083
Lee	63,747	410	34,148	8,229
Macon	6,944	0	13,441	4,834
Marion	3,832	0	7,056	2,668
Miller	55,196	199	6,135	2,487
Mitchell	99,371	510	24,118	8,063
Montgomery	4,193	0	8,758	2,919
Peach	12,118	0	26,953	8,436
Pulaski	11,834	102	9,849	3,407
Quitman	1,504	0	2,682	1,047
Randolph	16,416	145	7,177	2,909
Schley	2,061	0	4,369	1,435
Seminole	187,048	190	9,329	3,573
Stewart	2,883	0	4,721	2,007
Sumter	29,520	361	32,475	12,025
Taylor	4,713	0	8,776	3,281
Telfair	5,947	0	13,353	4,140
Terrell	22,584	200	10,526	4,002

Thomas	40,037	489	45,653	16,309
Tift	34,170	418	42,577	13,919
Treutlen	3,636	0	6,679	2,531
Turner	8,433	103	9,161	3,435
Twiggs	9,407	115	10,181	3,832
Webster	1,309	0	2,214	911
Wheeler	2,889	0	6,953	2,011
Wilcox	6,837	84	8,747	2,785
Wilkinson	5,497	0	10,064	3,827
Worth	45,744	404	21,159	8,106

## Critical Infrastructure

Total: **1635 Structures**

Power Requirements: **56,068.4 kW**

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (21)	1.1	35 - 75	57.8
Cellular Towers (105)	63.0	35 - 75	3,465.0
FM Antennas (86)	4.3	35 - 75	236.5
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (34)	0.0	200 - 300	0.0
Public Schools (255)	76.5	200 - 300	19,125.0
Colleges and Universities (10)	0.2	200 - 300	50.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (154)	15.4	15 - 35	385.0
Fire Stations (252)	25.2	15 - 35	630.0
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (137)	20.6	35 - 100	1,387.1
Hospitals (21)	6.3	800 - 2000	8,820.0
Urgent Care Facilities (8)	1.6	200 - 300	400.0
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 (9)	0.0	15 - 35	0.0
National Security Government Military Facilities (135)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (76)	15.2	400 - 600	7,600.0
Local Police (60)	6.0	15 - 35	150.0
State Police (10)	0.5	15 - 35	12.5
Correctional Facilities (79)	15.8	400 - 600	7,900.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (25)	5.0	15 - 40	137.5
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 (44)	0.0	600 - 1200	0.0
Amtrak Stations (1)	0.0	100 - 300	0.0
Bus Stations (15)	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 (80)	9.6	40 - 100	672.0

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (9)	3.6	800 - 2000	5,040.0