US Army Corps of Engineers
BUILDING STRONG

Hurricane Idalia Advisory #15

For Planning Purposes Only!

WASHINGTON, DC	CHICAGO	LOS ANGELES
06:17:16	05:17:16	03:17:16
30 Aug 2023	30 Aug 2023	30 Aug 2023

https://simsuite.usace.army.mil/wab/v2.15/MissionModels/#advid=315&oid=93&name=Hurricane%20Idalia&advisory=Advisory%2015&advlf=G

Updated as of 30 Aug 2023 (5:17 AM Central Daylight Time)

Debris

703.6K
cu. yd.

Est. Temp. Roofing

6.4K
units

Act. Temp. Roofing

3K
units

Population

1M
people

Households

340.1K
households

Mission Model Summary

Debris By USACE District

Est. Temp. Roofing By USACE District

Population By USACE District

Households By USACE District

Critical Infrastructure Summary

Total

Power Requirements

Generators

By Generator Count

Generators

By Power Requirement

Generators

By Range

Structures

By County

Structures

By USACE District

Structures

By Intensity

Letter ANSI A Portrait

Counties
Mission Model Swaths
TS
Cat 1
Cat 2
Cat 3
Cat 4

1:4,991,478

0 35 70 140 mi

0 55 110 220 km

FDEP, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Created by SimSuite

Debris

1:5,135,926

0 37.5 75 150 mi

0 60 120 240 km

Debris

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

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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Est. Temp. Roofing

Est. Temp. Roofing

< 1000 units

1000 - 4999 units

1:5,135,926

0 37.5 75 150 mi

0 60 120 240 km

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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Population

1:5,135,926

0 37.5 75 150 mi

0 60 120 240 km

Population

< 25,000 persons

25,000 - 99,000 persons

100,000 - 174,999 persons

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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Households

1:5,135,926

0 37.5 75 150 mi

0 60 120 240 km

Households

< 7,500 Households

15,000 - 24,999 Households

25,000 - 49,999 Households

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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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.

Mission Summary	
Total Counties	25
Debris (cu. yd.)	703,589
Est. Temp. Roofing (units)	6,418
Act. Temp. Roofing (units)	2,952
Population	1,010,889
Households	340,101

Population Distribution	
Tropical Storm	1,894,688
Category 1	154,614
Category 2	18,360
Category 3	16,125
Category 4	10,293

FLORIDA	Yds of Debris (559,489)	Est. Roof Units (2,948)	Act. Roof Units (1,356)	Population (201,921)	Households (69,312)
Columbia	689	17	8	72,297	24,941
Dixie	3,223	76	35	17,730	6,316
Hamilton	38,331	503	231	15,527	4,617
Lafayette	75,084	195	90	8,599	2,580
Madison	18,399	202	93	19,974	6,985
Suwannee	254,919	1,496	688	45,676	15,953
Taylor	168,845	458	211	22,118	7,920

GEORGIA	Yds of Debris (144,100)	Est. Roof Units (3,470)	Act. Roof Units (1,596)	Population (808,968)	Households (270,789)
Appling	4,164	105	48	18,453	6,969
Atkinson	391	10	5	10,217	2,983
Bacon	4,109	103	48	11,518	4,214
Brantley	213	5	2	20,181	6,885
Bryan	10,627	267	123	40,478	10,738
Charlton	3	0	0	12,828	3,927
Chatham	14,013	352	162	290,390	103,038
Clinch	10,838	197	90	6,653	2,572
Echols	9,135	155	71	4,353	1,329
Effingham	2,955	74	34	66,696	18,092
Lanier	8	0	0	10,810	3,608
Liberty	23,686	595	274	65,088	22,155
Long	8,057	202	93	19,666	5,023
Lowndes	2,870	72	33	119,324	39,747
Pierce	15,725	395	182	20,038	7,083
Tattnall	1,335	34	15	25,371	8,210
Ware	22,199	558	257	36,789	13,654
Wayne	13,774	346	159	30,115	10,562

Critical Infrastructure

Summary	
Total Critical Facilities	391
Power Requirements (kW)	8,436.6

Range (kW)			
Communications	**# FED Gen Req**	**Range (kW)**	**Req kW**
Cellular Towers (80)	48.0	35 - 75	2,640.0
FM Antennas (27)	1.4	35 - 75	74.3
Education	**# FED Gen Req**	**Range (kW)**	**Req kW**
Private Schools (12)	0.0	200 - 300	0.0
Public Schools (66)	19.8	200 - 300	4,950.0
Colleges and Universities (3)	0.1	200 - 300	15.0
Emergency Services	**# FED Gen Req**	**Range (kW)**	**Req kW**
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (56)	5.6	15 - 35	140.0
Fire Stations (59)	5.9	15 - 35	147.5
Healthcare	**# FED Gen Req**	**Range (kW)**	**Req kW**
Nursing Homes (22)	3.3	35 - 100	222.8
Urgent Care Facilities (1)	0.2	200 - 300	50.0
Law Enforcement	**# FED Gen Req**	**Range (kW)**	**Req kW**
Local Police (21)	2.1	15 - 35	52.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOCs	**# FED Gen Req**	**Range (kW)**	**Req kW**
Local Emergency Operations Centers (11)	2.2	15 - 40	60.5
State Facilities	**# FED Gen Req**	**Range (kW)**	**Req kW**
Governors Mansions (0)	0.0	100 - 200	0.0
Major State Government Buildings (0)	0.0	100 - 200	0.0
Transportation	**# FED Gen Req**	**Range (kW)**	**Req kW**
Amtrack Stations (0)	0.0	100 - 300	0.0
Bus Stations (1)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (0)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0

Water and Wastewater	# FED Gen Req	Range (kW)	Req kW
Wastewater Treatment Plants (32)	1.6	35 - 70	84.0

Poverty Level

#	County	Cat	Pop. below Federal poverty line	% Population
1	Suwannee County	4	6,318	15
2	Taylor County	4	3,310	18
3	Lafayette County	4	1,042	15
4	Madison County	3	4,046	25
5	Hamilton County	3	2,850	26
6	Dixie County	2	2,375	16
7	Clinch County	2	2,010	30
8	Echols County	2	939	25
9	Chatham County	1	40,087	14
10	Lowndes County	1	25,906	23
11	Liberty County	1	10,411	17
12	Columbia County	1	9,214	14
13	Ware County	1	7,999	24
14	Wayne County	1	5,313	19
15	Effingham County	1	4,783	8
16	Appling County	1	4,612	25
17	Tattnall County	1	3,830	20
18	Bryan County	1	3,793	9
19	Pierce County	1	3,490	18
20	Lanier County	1	3,269	34
21	Brantley County	1	3,025	17
22	Long County	1	2,962	18
23	Bacon County	1	2,557	25
24	Charlton County	1	2,421	21
25	Atkinson County	1	2,214	27

Social Vulnerability Index

Possible scores range from **0** (lowest vulnerability) to **1** (highest vulnerability).

#	Location	Cat	Overall SVI Score
1	Lafayette County, Florida	4	0.981
2	Suwannee County, Florida	4	0.942
3	Taylor County, Florida	4	0.898
4	Hamilton County, Florida	3	0.991
5	Madison County, Florida	3	0.961
6	Clinch County, Georgia	2	0.978
7	Dixie County, Florida	2	0.899
8	Echols County, Georgia	2	0.661
9	Appling County, Georgia	1	0.967
10	Atkinson County, Georgia	1	0.962
11	Bacon County, Georgia	1	0.939
12	Wayne County, Georgia	1	0.917
13	Tattnall County, Georgia	1	0.908
14	Liberty County, Georgia	1	0.888
15	Charlton County, Georgia	1	0.875
16	Lanier County, Georgia	1	0.87
17	Lowndes County, Georgia	1	0.866
18	Columbia County, Florida	1	0.86
19	Ware County, Georgia	1	0.845
20	Long County, Georgia	1	0.827
21	Chatham County, Georgia	1	0.695
22	Pierce County, Georgia	1	0.657
23	Brantley County, Georgia	1	0.623
24	Bryan County, Georgia	1	0.339
25	Effingham County, Georgia	1	0.236

Report Generated by SimSuite
https://simsuite.usace.army.mil/wab/v2.15/MissionModels/#advid=315&oid=93&name=Hurricane%20Idalia&advisory=Advisory%2015&advlf=G