US Army Corps of Engineers
BUILDING STRONG

Hurricane Idalia Advisory #11

For Planning Purposes Only!

WASHINGTON, DC	CHICAGO	LOS ANGELES
06:42:59	05:42:59	03:42:59
29 Aug 2023	29 Aug 2023	29 Aug 2023

https://simsuite.usace.army.mil/wab/v2.15/MissionModels/#advid=311&oid=93&name=Hurricane%20Idalia&advisory=Advisory%2011&advIf=G

Updated as of 29 Aug 2023 (5:42 AM Central Daylight Time)

Debris

709.9K
cu. yd.

Est. Temp. Roofing

6.6K
units

Act. Temp. Roofing

1.8K
units

Population

503.2K
people

Households

172.8K
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

358
critical facilities

Power Requirements

7.7
MW

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

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

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Debris

1:5,135,926

0 37.5 75 150 mi

0 60 120 240 km

Debris

< 100,000 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	19
Debris (cu. yd.)	709,854
Est. Temp. Roofing (units)	6,633
Act. Temp. Roofing (units)	1,791
Population	503,200
Households	172,845

Population Distribution	
Tropical Storm	975,501
Category 1	106,912
Category 2	33,943
Category 3	22,261

FLORIDA	Yds of Debris (616,526)	Est. Roof Units (4,838)	Act. Roof Units (1,306)	Population (201,921)	Households (69,312)
Columbia	18,428	354	96	72,297	24,941
Dixie	50,196	427	115	17,730	6,316
Hamilton	40,636	540	146	15,527	4,617
Lafayette	76,340	448	121	8,599	2,580
Madison	8,036	116	31	19,974	6,985
Suwannee	354,204	2,506	677	45,676	15,953
Taylor	68,686	447	121	22,118	7,920

GEORGIA	Yds of Debris (93,328)	Est. Roof Units (1,795)	Act. Roof Units (485)	Population (301,279)	Households (103,533)
Appling	2,145	41	11	18,453	6,969
Atkinson	115	2	1	10,217	2,983
Bacon	2,753	53	14	11,518	4,214
Brantley	5,190	100	27	20,181	6,885
Charlton	2,380	46	12	12,828	3,927
Clinch	8,000	154	42	6,653	2,572
Echols	4,740	91	25	4,353	1,329
Lanier	100	2	1	10,810	3,608
Lowndes	900	17	5	119,324	39,747
Pierce	27,277	525	142	20,038	7,083
Ware	35,233	678	183	36,789	13,654
Wayne	4,493	86	23	30,115	10,562

Critical Infrastructure

Summary	
Total Critical Facilities	358
Power Requirements (kW)	7,715.2

Range (kW)	

Communications	# FED Gen Req	Range (kW)	Req kW
Cellular Towers (84)	50.4	35 - 75	2,772.0
FM Antennas (22)	1.1	35 - 75	60.5

Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (10)	0.0	200 - 300	0.0
Public Schools (56)	16.8	200 - 300	4,200.0
Colleges and Universities (2)	0.0	200 - 300	10.0

Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (50)	5.0	15 - 35	125.0
Fire Stations (54)	5.4	15 - 35	135.0

Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (18)	2.7	35 - 100	182.2
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 (8)	1.6	15 - 40	44.0

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 (0)	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	3	6,318	15
2	Taylor County	3	3,310	18
3	Dixie County	3	2,375	16
4	Lafayette County	3	1,042	15
5	Madison County	2	4,046	25
6	Hamilton County	2	2,850	26
7	Lowndes County	1	25,906	23
8	Columbia County	1	9,214	14
9	Ware County	1	7,999	24
10	Wayne County	1	5,313	19
11	Appling County	1	4,612	25
12	Pierce County	1	3,490	18
13	Lanier County	1	3,269	34
14	Brantley County	1	3,025	17
15	Bacon County	1	2,557	25
16	Charlton County	1	2,421	21
17	Atkinson County	1	2,214	27
18	Clinch County	1	2,010	30
19	Echols County	1	939	25

Social Vulnerability Index

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

#	Location	Cat	Overall SVI Score
1	Lafayette County, Florida	3	0.981
2	Suwannee County, Florida	3	0.942
3	Dixie County, Florida	3	0.899
4	Taylor County, Florida	3	0.898
5	Hamilton County, Florida	2	0.991
6	Madison County, Florida	2	0.961
7	Clinch County, Georgia	1	0.978
8	Appling County, Georgia	1	0.967
9	Atkinson County, Georgia	1	0.962
10	Bacon County, Georgia	1	0.939
11	Wayne County, Georgia	1	0.917
12	Charlton County, Georgia	1	0.875
13	Lanier County, Georgia	1	0.87
14	Lowndes County, Georgia	1	0.866
15	Columbia County, Florida	1	0.86
16	Ware County, Georgia	1	0.845
17	Echols County, Georgia	1	0.661
18	Pierce County, Georgia	1	0.657
19	Brantley County, Georgia	1	0.623

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