US Army Corps of Engineers
BUILDING STRONG

# Hurricane Idalia Advisory #7

For Planning Purposes Only!

| WASHINGTON, DC | CHICAGO | LOS ANGELES |
|---|---|---|
| 08:00:29 | 07:00:29 | 05:00:29 |
| 28 Aug 2023 | 28 Aug 2023 | 28 Aug 2023 |

https://simsuite.usace.army.mil/wab/v2.15/MissionModels/index.html#advid=308&oid=93&name=Hurricane%20Idalia&advisory=Advisory%207&advlf=G

Updated as of 28 Aug 2023 (7:00 AM Central Daylight Time)

## Debris

2.4M
cu. yd.

## Est. Temp. Roofing

31.8K
units

## Act. Temp. Roofing

10.5K
units

## Population

2.1M
people

## Households

733.7K
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

852
critical facilities

### Power Requirements

19.5
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

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

Created by SimSuite

# 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

1:5,135,926

0 37.5 75 150 mi

0 60 120 240 km

Est. Temp. Roofing

- < 1000 units
- 1000 - 4999 units
- 10,000 - 14,999 units

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
- 175,000 - 249,000 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 | 15 |
| Debris (cu. yd.) | 2,353,756 |
| Est. Temp. Roofing (units) | 31,757 |
| Act. Temp. Roofing (units) | 10,480 |
| Population | 2,113,163 |
| Households | 733,685 |

| Population Distribution | |
|---|---|
| Tropical Storm | 2,669,901 |
| Category 1 | 674,421 |
| Category 2 | 64,504 |
| Category 3 | 122,842 |

| FLORIDA | Yds of Debris (2,344,482) | Est. Roof Units (31,489) | Act. Roof Units (10,391) | Population (1,958,324) | Households (679,937) |
|---|---|---|---|---|---|
| Alachua | 1,418,028 | 12,052 | 3,977 | 274,496 | 100,516 |
| Baker | 7,627 | 220 | 73 | 30,804 | 8,772 |
| Bradford | 66,357 | 1,092 | 360 | 29,405 | 9,479 |
| Citrus | 35 | 1 | 0 | 153,879 | 63,304 |
| Clay | 32,666 | 942 | 311 | 225,975 | 68,792 |
| Columbia | 2,187 | 63 | 21 | 72,297 | 24,941 |
| Dixie | 491 | 14 | 5 | 17,730 | 6,316 |
| Duval | 437,222 | 12,612 | 4,162 | 984,969 | 342,450 |
| Gilchrist | 30,806 | 375 | 124 | 19,002 | 6,121 |
| Levy | 282,598 | 2,387 | 788 | 43,431 | 16,404 |
| Nassau | 46,083 | 1,329 | 439 | 90,108 | 28,794 |
| Union | 20,384 | 401 | 132 | 16,228 | 4,048 |

| GEORGIA | Yds of Debris (9,274) | Est. Roof Units (268) | Act. Roof Units (88) | Population (154,839) | Households (53,748) |
|---|---|---|---|---|---|
| Camden | 8,637 | 249 | 82 | 56,040 | 18,047 |
| Charlton | 603 | 17 | 6 | 12,828 | 3,927 |
| Glynn | 34 | 1 | 0 | 85,971 | 31,774 |

## Critical Infrastructure

| Summary | |
|---|---|
| Total Critical Facilities | 852 |
| Power Requirements (kW) | 19,541.5 |

| Range (kW) | |
|---|---|

| Communications | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Cellular Towers (88) | 52.8 | 35 - 75 | 2,904.0 |
| FM Antennas (40) | 2.0 | 35 - 75 | 110.0 |

| Education | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Private Schools (57) | 0.0 | 200 - 300 | 0.0 |
| Public Schools (190) | 57.0 | 200 - 300 | 14,250.0 |
| Colleges and Universities (14) | 0.3 | 200 - 300 | 70.0 |

| Emergency Services | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| 911 Call Centers (0) | 0.0 | 15 - 35 | 0.0 |
| Emergency Medical Service (80) | 8.0 | 15 - 35 | 200.0 |
| Fire Stations (86) | 8.6 | 15 - 35 | 215.0 |

| Healthcare | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Nursing Homes (56) | 8.4 | 35 - 100 | 567.0 |
| Urgent Care Facilities (13) | 2.6 | 200 - 300 | 650.0 |

| Law Enforcement | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Local Police (28) | 2.8 | 15 - 35 | 70.0 |
| Correctional Facilities (0) | 0.0 | 400 - 600 | 0.0 |

| State and Local EOCs | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Local Emergency Operations Centers (6) | 1.2 | 15 - 40 | 33.0 |

| 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 (2) | 0.0 | 100 - 300 | 0.0 |
| Bus Stations (3) | 0.0 | 100 - 300 | 0.0 |
| Intermodal Terminal Facilities (7) | 0.0 | 100 - 300 | 0.0 |
| Railroad Stations (2) | 0.0 | 100 - 300 | 0.0 |

| Water and Wastewater | # FED Gen Req | Range (kW) | Req kW |
|---|---|---|---|
| Wastewater Treatment Plants (180) | 9.0 | 35 - 70 | 472.5 |

## Poverty Level

| # | County | Cat | Pop. below Federal poverty line | % Population |
|---|---|---|---|---|
| 1 | Alachua County | 3 | 52,902 | 20 |
| 2 | Levy County | 3 | 7,588 | 18 |
| 3 | Bradford County | 3 | 4,660 | 19 |
| 4 | Gilchrist County | 3 | 2,006 | 12 |
| 5 | Union County | 2 | 1,756 | 17 |
| 6 | Duval County | 1 | 139,089 | 15 |
| 7 | Citrus County | 1 | 22,204 | 15 |
| 8 | Clay County | 1 | 20,537 | 10 |
| 9 | Glynn County | 1 | 13,908 | 17 |
| 10 | Columbia County | 1 | 9,214 | 14 |
| 11 | Nassau County | 1 | 8,443 | 10 |
| 12 | Camden County | 1 | 8,320 | 16 |
| 13 | Baker County | 1 | 2,895 | 12 |
| 14 | Charlton County | 1 | 2,421 | 21 |
| 15 | Dixie County | 1 | 2,375 | 16 |

## Social Vulnerability Index

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

| # | Location | Cat | Overall SVI Score |
|---|---|---|---|
| 1 | Bradford County, Florida | 3 | 0.926 |
| 2 | Levy County, Florida | 3 | 0.779 |
| 3 | Gilchrist County, Florida | 3 | 0.757 |
| 4 | Alachua County, Florida | 3 | 0.473 |
| 5 | Union County, Florida | 2 | 0.838 |
| 6 | Dixie County, Florida | 1 | 0.899 |
| 7 | Charlton County, Georgia | 1 | 0.875 |
| 8 | Columbia County, Florida | 1 | 0.86 |
| 9 | Glynn County, Georgia | 1 | 0.716 |
| 10 | Duval County, Florida | 1 | 0.692 |
| 11 | Baker County, Florida | 1 | 0.68 |
| 12 | Citrus County, Florida | 1 | 0.602 |
| 13 | Camden County, Georgia | 1 | 0.516 |
| 14 | Clay County, Florida | 1 | 0.38 |
| 15 | Nassau County, Florida | 1 | 0.246 |

Report Generated by SimSuite
https://simsuite.usace.army.mil/wab/v2.15/MissionModels/index.html#advid=308&oid=93&name=Hurricane%20Idalia&advisory=Advisory%207&advlf=G