



US Army Corps
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Hurricane Delta Adv. #21

For Planning Purposes Only!

WASHINGTON, DC
18:19:00
09 Oct 2020

CHICAGO
17:19:00
09 Oct 2020

LOS ANGELES
15:19:00
09 Oct 2020

<https://go.usa.gov/xGzQK>

Updated as of 9 Oct 2020 (6:19 PM Eastern Daylight Time)



Debris

2,985,963
cu. yd.

Louisiana 99% (2,943,799)

Texas 1% (42,164)

Arkansas <1% (0)

Mississippi <1% (0)



Temporary Roofing

6,038
units

Louisiana 98% (5,941)

Texas 2% (97)

Arkansas <1% (0)

Mississippi <1% (0)



Population

3,694,882
people

Louisiana 69% (2,558,508)

Texas 19% (690,919)

Mississippi 12% (440,358)

Arkansas <1% (5,097)



Households

1,287,638
households

Louisiana 69% (882,081)

Texas 19% (242,520)

Mississippi 12% (160,884)

Arkansas <1% (2,153)

Critical Infrastructure Summary

Total

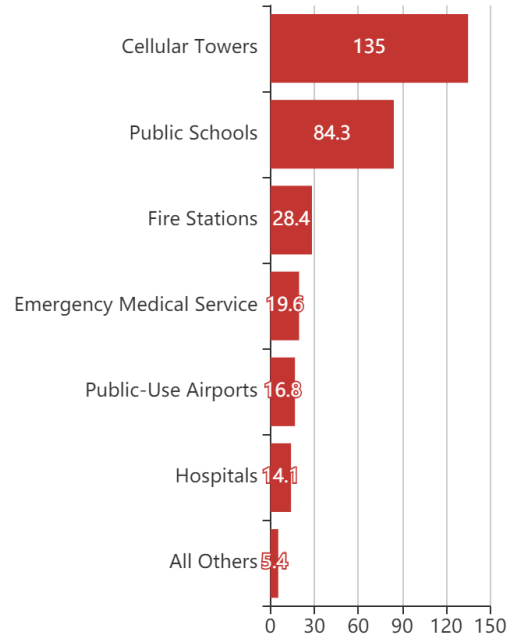


Power Requirements



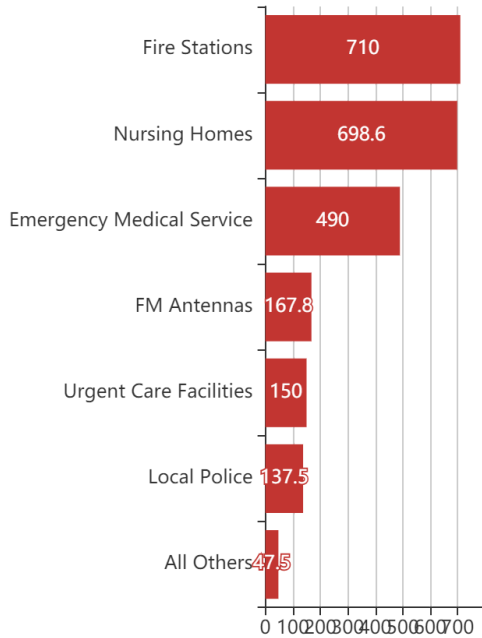
Generators

By Generator Count



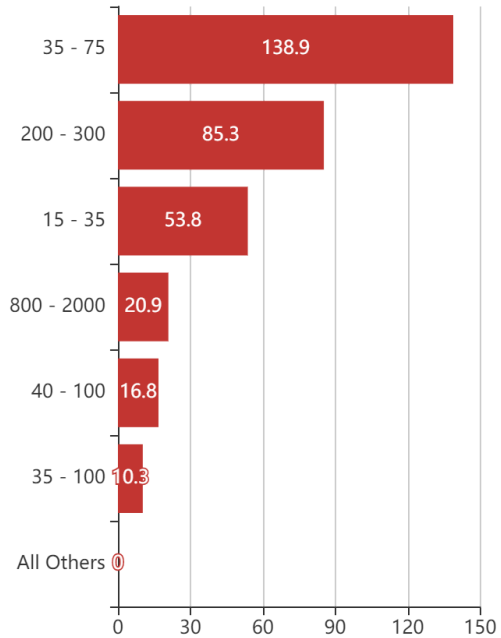
Generators

By Power Requirement



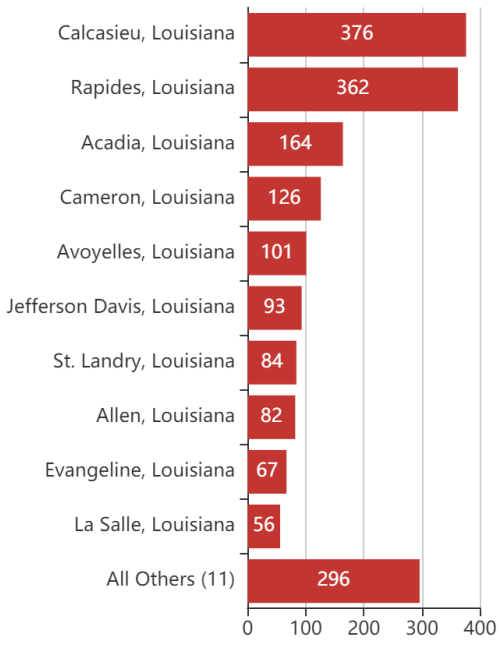
Generators

By Range



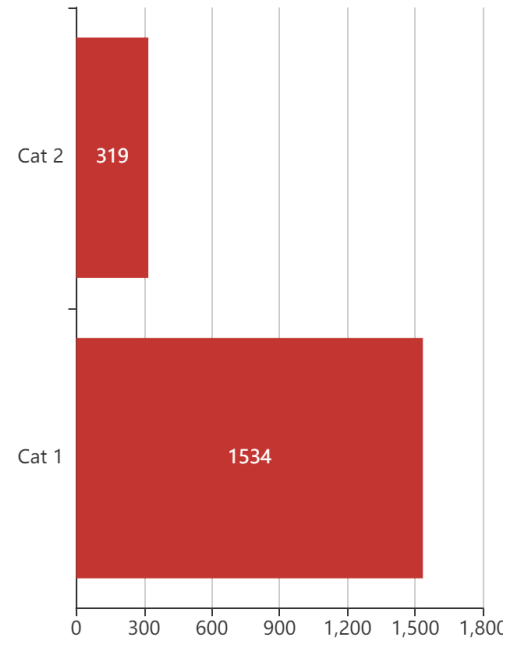
Structures

By County



Structures

By Intensity





Key Messages for Hurricane Delta

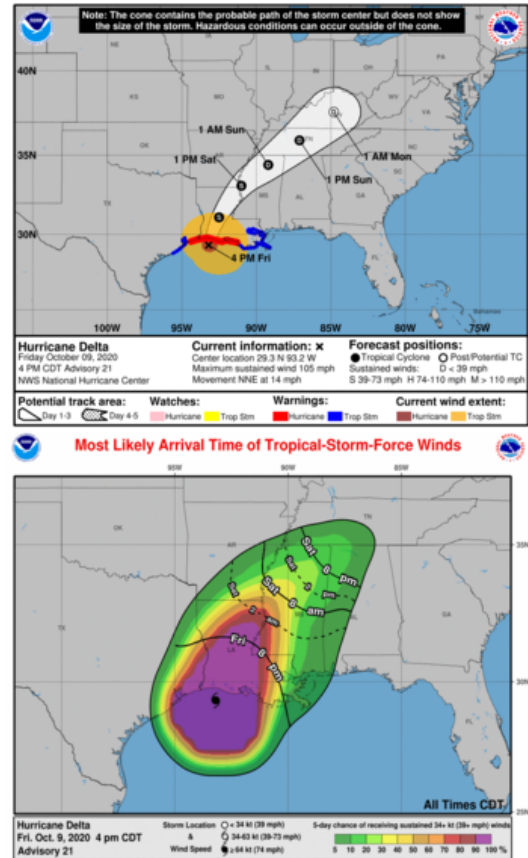
Advisory 21: 4:00 PM CDT Fri Oct 09, 2020



1. Life-threatening storm surge is occurring and will continue near and east of where Delta makes landfall this evening, and a Storm Surge Warning is in effect from High Island, Texas, to the Mouth of the Pearl River, Louisiana. The highest inundation of 7 to 11 feet is expected somewhere between Rockefeller Wildlife Refuge and Morgan City, Louisiana.

2. Hurricane-force winds are expected this afternoon and evening within portions of the Hurricane Warning area, especially along the coast of southwest Louisiana. Hurricane-force winds will also spread inland across portions of southern Louisiana near the path of Delta's center this evening and tonight.

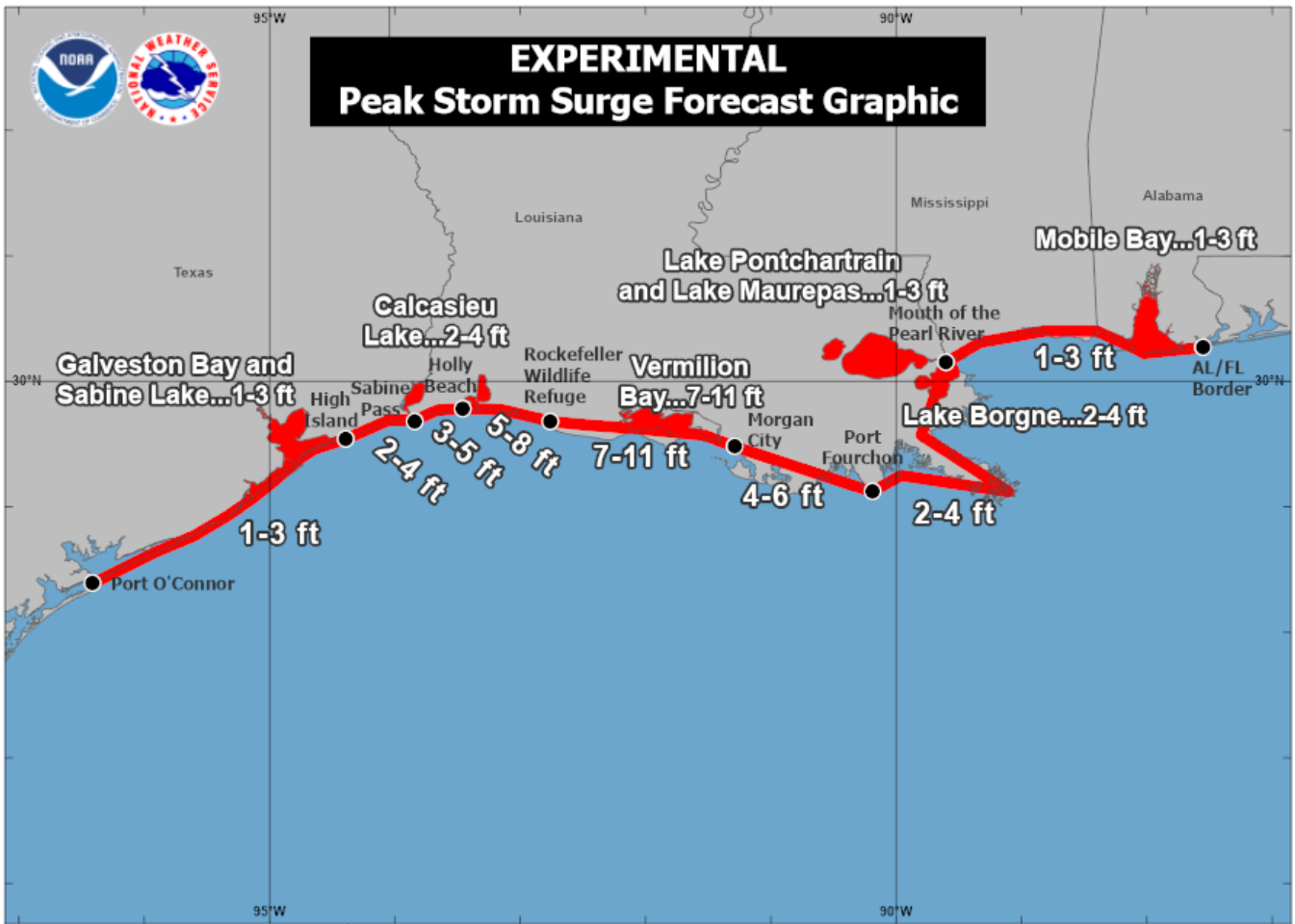
3. Heavy rainfall will lead to significant flash flooding and minor to major river flooding in parts of Louisiana today and Saturday. Additional flooding is expected across portions of the central Gulf Coast into the Lower Mississippi Valley.



For more information go to hurricanes.gov

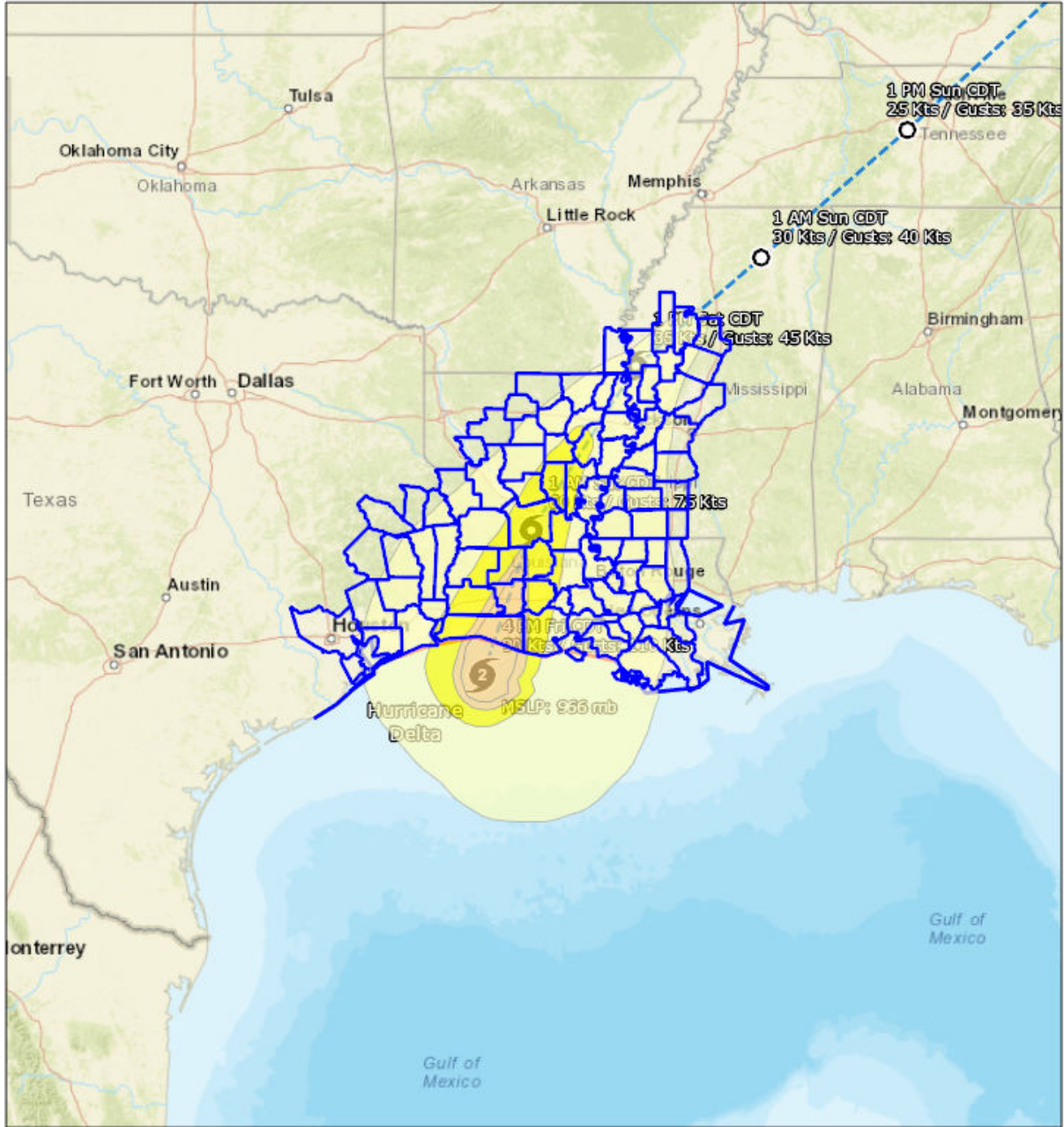


EXPERIMENTAL Peak Storm Surge Forecast Graphic

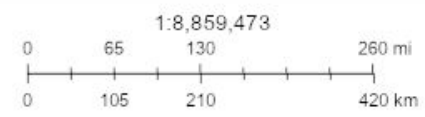


Hurricane Delta
Friday October 09, 2020
04 PM CDT Advisory 21
NWS National Hurricane Center

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere within the indicated areas if the peak surge occurs at the time of high tide. The deepest water will occur along the immediate coast near the landfall location, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances.

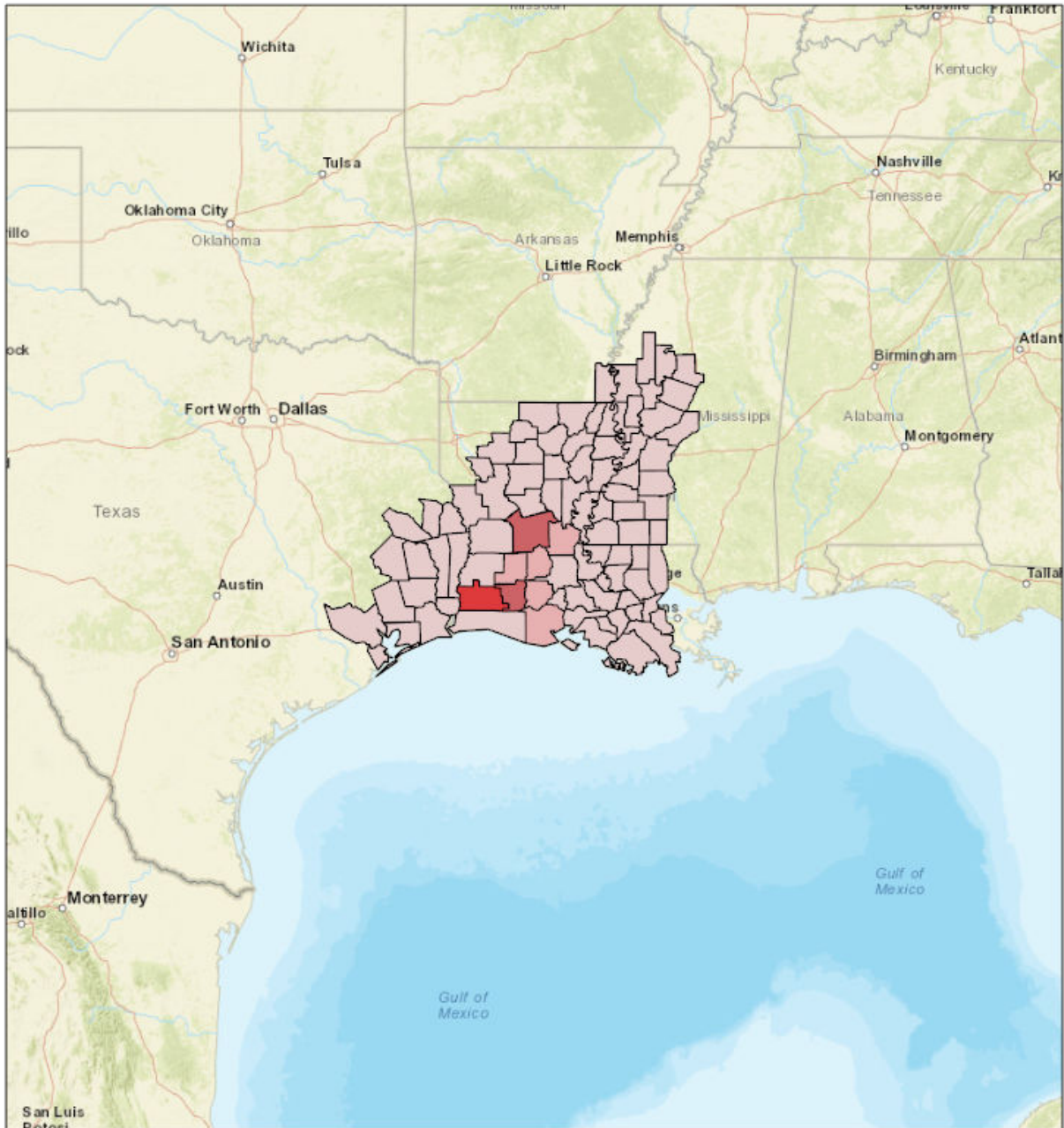


- Counties
- Mission Model Swaths
 - TS
 - Cat 1
 - Cat 2
- 120-hr Forecast Track Line

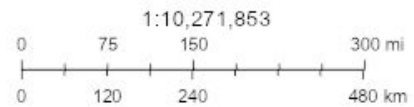
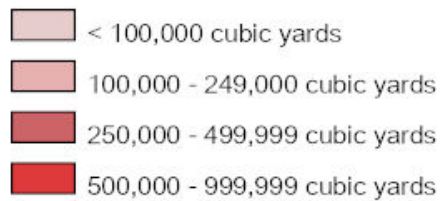


Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community, NOAA/NOS/IOCS nowCOAST, NOAA/NWS/NHC, NOAA/NWS/CPHC

Debris



Debris




Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

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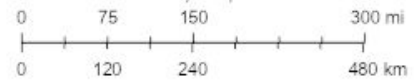
Temporary Roofing



Temporary Roofing

 < 2,000 units

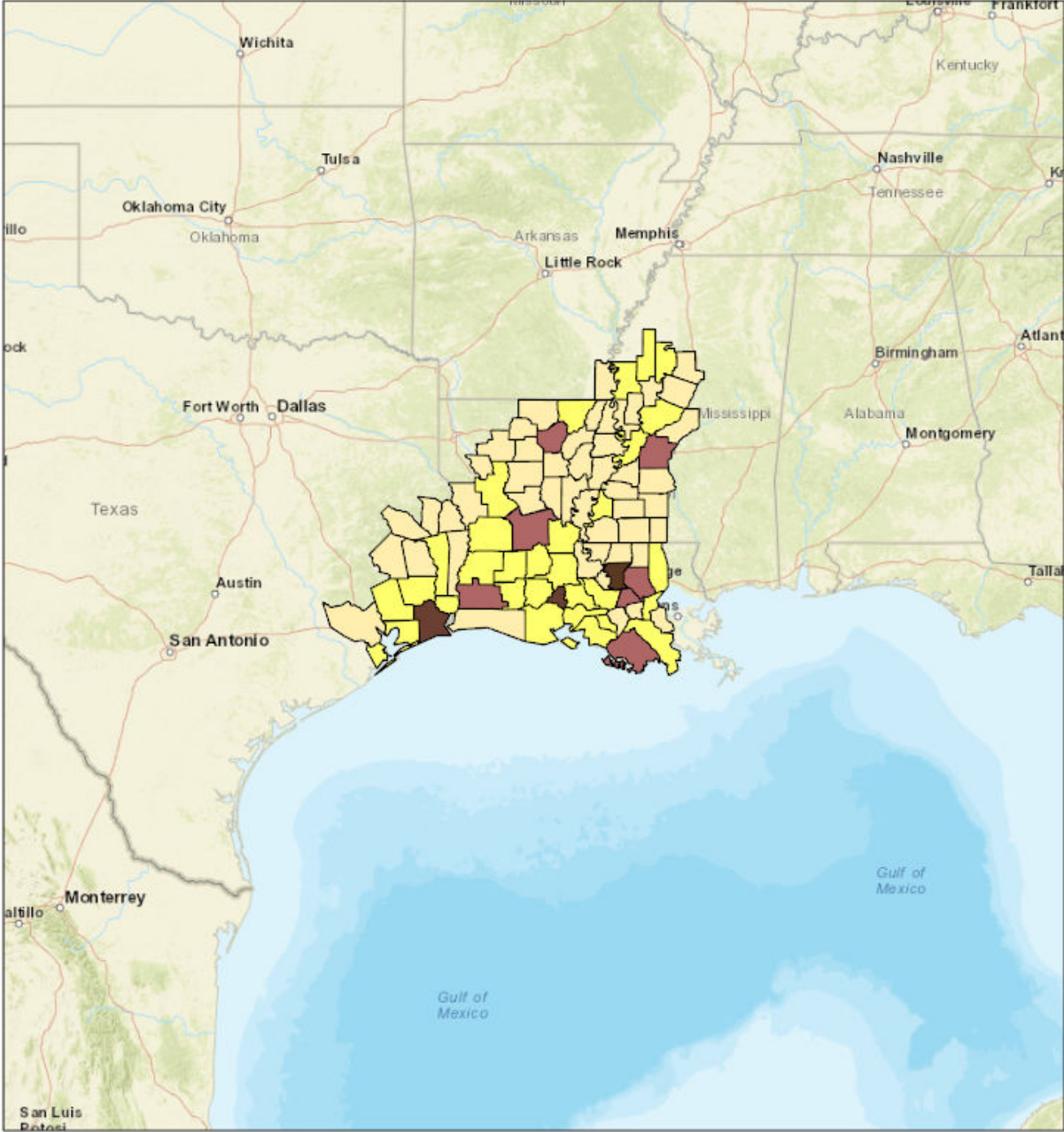
1:10,271,853



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

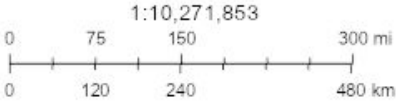
Created by SimSuite

Population



Population

- < 25,000 persons
- 25,000 - 99,000 persons
- 100,000 - 174,999 persons
- 175,000 - 249,000 persons

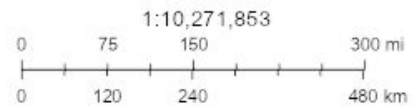


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Households



Households



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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	89
Debris (cu. yd.)	2,985,963
Temporary Roofing (units)	6,038
Population	3,694,882
Households	1,287,638

Population Distribution	
Tropical Storm	2,985,832
Category 1	580,023
Category 2	92,195

ARKANSAS	Yards of Debris (0)	Roof Units (0)	Population (5,097)	Households (2,153)
Chicot	0	0	5,097	2,153

LOUISIANA	Yards of Debris (2,943,799)	Roof Units (5,941)	Population (2,558,508)	Households (882,081)
Acadia	247,642	502	60,803	21,078
Allen	151,308	262	25,820	8,103
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
Avoyelles	127,958	295	42,420	14,736
Beauregard	48,425	112	35,093	12,104
Bienville	0	0	413	170
Calcasieu	814,485	1,565	164,499	60,156
Caldwell	34,221	79	10,332	3,941
Cameron	71,090	110	4,834	2,366
Catahoula	35,445	82	10,656	4,082
Concordia	0	0	19,307	7,521
East Baton Rouge	0	0	430,746	156,365
East Carroll	0	0	8,195	2,969
East Feliciana	0	0	20,723	6,699
Evangeline	132,512	282	36,010	12,736
Franklin	67,331	155	19,999	7,754
Grant	61,417	141	21,735	7,073
Iberia	0	0	75,402	25,381
Iberville	0	0	32,992	10,674
Jackson	0	0	15,165	6,086
Jefferson Davis	331,119	512	30,115	11,019

La Salle	45,944	106	14,165	5,291
Lafayette	70,019	161	210,850	72,372
Lafourche	0	0	27,093	9,259
Lincoln	0	0	1,638	584
Livingston	0	0	125,599	32,630
Madison	0	0	12,172	4,469
Morehouse	0	0	28,799	11,382
Natchitoches	0	0	39,823	14,263
Ouachita	0	0	151,722	55,216
Pointe Coupee	0	0	22,820	8,397
Rapides	409,159	942	133,492	47,120
Red River	0	0	0	0
Richland	15,749	36	20,657	7,490
Sabine	0	0	23,657	9,221
St. Charles	0	0	3	1
St. Helena	0	0	10,363	3,873
St. James	0	0	21,505	6,992
St. John the Baptist	0	0	26,304	7,870
St. Landry	95,773	221	93,346	32,324
St. Martin	0	0	52,518	17,164
St. Mary	0	0	50,951	19,317
Tangipahoa	0	0	30,792	9,398
Tensas	0	0	5,558	2,416
Terrebonne	0	0	110,329	35,997
Union	0	0	2,481	971
Vermilion	150,097	299	34,915	12,176
Vernon	31,677	73	45,283	18,260
West Baton Rouge	0	0	23,162	7,663
West Carroll	0	0	11,456	4,458
West Feliciana	0	0	15,318	3,645
Winn	2,425	6	15,400	5,919

MISSISSIPPI	Yards of Debris (0)	Roof Units (0)	Population (440,358)	Households (160,884)
Adams	0	0	31,752	13,677
Amite	0	0	13,229	5,271
Carroll	0	0	2,825	1,084
Claiborne	0	0	11,121	3,685
Copiah	0	0	9,620	3,288
Franklin	0	0	8,292	3,211
Hinds	0	0	106,325	38,708
Holmes	0	0	6,601	2,290
Humphreys	0	0	10,268	3,765
Issaquena	0	0	1,921	726
Jefferson	0	0	9,098	3,308
Leflore	0	0	36,041	12,956
Lincoln	0	0	9,144	3,291
Madison	0	0	0	0
Pike	0	0	417	154
Sharkey	0	0	6,093	2,163
Sunflower	0	0	31,694	9,637
Warren	0	0	48,349	18,756
Washington	0	0	58,324	22,158
Wilkinson	0	0	10,128	3,578
Yazoo	0	0	29,115	9,178

TEXAS	Yards of Debris (42,164)	Roof Units (97)	Population (690,919)	Households (242,520)
Angelina	0	0	1,516	519
Chambers	0	0	33,630	9,139
Galveston	0	0	89,519	28,531
Hardin	0	0	52,994	17,805
Harris	0	0	22,185	6,429
Jasper	0	0	34,760	13,450
Jefferson	21,799	50	246,125	92,882
Liberty	0	0	76,782	23,242
Newton	0	0	14,285	5,583
Orange	20,366	47	84,766	31,642
Polk	0	0	2,124	691
Sabine	0	0	10,437	4,485
San Augustine	0	0	846	347
Tyler	0	0	20,950	7,775

COVID-19

#	County	Cases
1	Harris	149,771
2	East Baton Rouge	15,395
3	Galveston	11,851
4	Lafayette	9,120
5	Calcasieu	8,005
6	Jefferson	7,753
7	Hinds	7,379
8	Ouachita	6,535
9	Tangipahoa	4,771
10	Rapides	4,382
11	Livingston	3,926
12	Ascension	3,862
13	Lafourche	3,745
14	Terrebonne	3,718
15	Madison	3,463
16	St. Landry	3,433
17	Acadia	3,014
18	Iberia	3,014
19	Washington	2,360
20	Liberty	2,272
21	Angelina	2,205
22	St. Martin	2,131
23	Vermilion	2,066
24	Orange	2,022
25	St. Mary	1,962
26	St. Charles	1,866
27	East Feliciana	1,763
28	Allen	1,721
29	Avoyelles	1,610
30	St. John the Baptist	1,603
31	Sunflower	1,522
32	Leflore	1,487
33	Lincoln	1,471
34	Warren	1,452
35	Iberville	1,429
36	Chambers	1,419
37	Hardin	1,363
38	Evangeline	1,351
39	Pike	1,283

40	Jefferson Davis	1,282
41	Copiah	1,260
42	Natchitoches	1,250
43	Franklin	1,239
44	Lincoln	1,182
45	Grenada	1,138
46	Holmes	1,113
47	Yazoo	1,091
48	Vernon	1,089
49	Pointe Coupee	1,075
50	Beauregard	1,029
51	Union	1,019
52	Chicot	1,016
53	Adams	984
54	West Baton Rouge	928
55	Sabine	899
56	Madison	888
57	Polk	876
58	Morehouse	836
59	St. James	816
60	Richland	805
61	Tallahatchie	793
62	Assumption	774
63	West Feliciana	737
64	Jackson	718
65	Winn	646
66	East Carroll	549
67	Concordia	525
68	Bienville	520
69	Claiborne	509
70	Grant	503
71	Jasper	496
72	Ashley	457
73	Catahoula	444
74	LaSalle	439
75	St. Helena	424
76	Humphreys	382
77	Amite	364
78	West Carroll	354
79	Carroll	337
80	Caldwell	318
81	Wilkinson	313
82	Sharkey	268
83	Jefferson	248

84	Tyler	236
85	Cameron	231
86	Franklin	207
87	San Augustine	207
88	Newton	187
89	Tensas	162
90	Issaquena	106
91	Sabine	82

Critical Infrastructure

Summary			
Total Critical Facilities		1,853	
Power Requirements (kW)		65,561.7	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (15)	0.8	35 - 75	41.3
Cellular Towers (225)	135.0	35 - 75	7,425.0
FM Antennas (61)	3.1	35 - 75	167.8
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (46)	0.0	200 - 300	0.0
Public Schools (281)	84.3	200 - 300	21,075.0
Colleges and Universities (21)	0.4	200 - 300	105.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (196)	19.6	15 - 35	490.0
Fire Stations (284)	28.4	15 - 35	710.0
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (69)	10.3	35 - 100	698.6
Hospitals (47)	14.1	800 - 2000	19,740.0
Urgent Care Facilities (3)	0.6	200 - 300	150.0
Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (2)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (23)	0.0	15 - 35	0.0
National Security Government Military Facilities (67)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (40)	8.0	400 - 600	4,000.0
Local Police (55)	5.5	15 - 35	137.5
State Police (6)	0.3	15 - 35	7.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (16)	3.2	15 - 40	88.0
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 (2)	0.2	100 - 200	30.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (220)	0.0	600 - 1200	0.0
Amtrak Stations (1)	0.0	100 - 300	0.0
Bus Stations (10)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (5)	0.0	100 - 300	0.0
Railroad Stations (1)	0.0	100 - 300	0.0
Public-Use Airports (140)	16.8	40 - 100	1,176.0

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (17)	6.8	800 - 2000	9,520.0

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