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Hurricane Delta Adv. #19

For Planning Purposes Only!

WASHINGTON, DC
07:51:12
09 Oct 2020

CHICAGO
06:51:12
09 Oct 2020

LOS ANGELES
04:51:12
09 Oct 2020

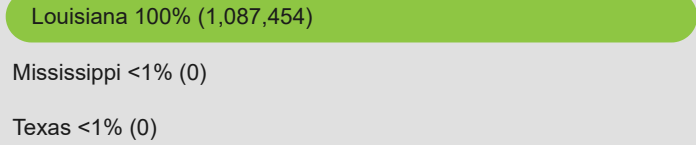
<https://go.usa.gov/xGtez>

Updated as of 9 Oct 2020 (7:51 AM Eastern Daylight Time)



Debris

1,087,454
cu. yd.



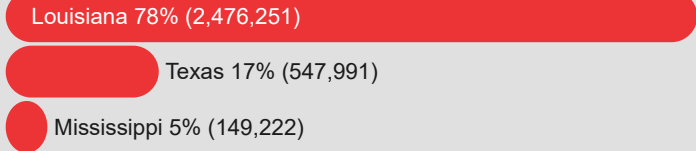
Temporary
Roofing

2,408
units



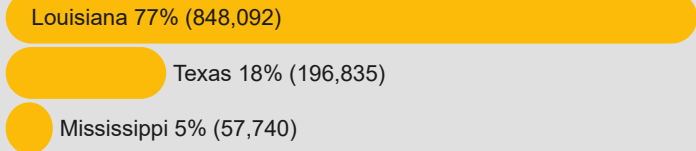
Population

3,173,464
people



Households

1,102,667
households



Critical Infrastructure Summary

Total

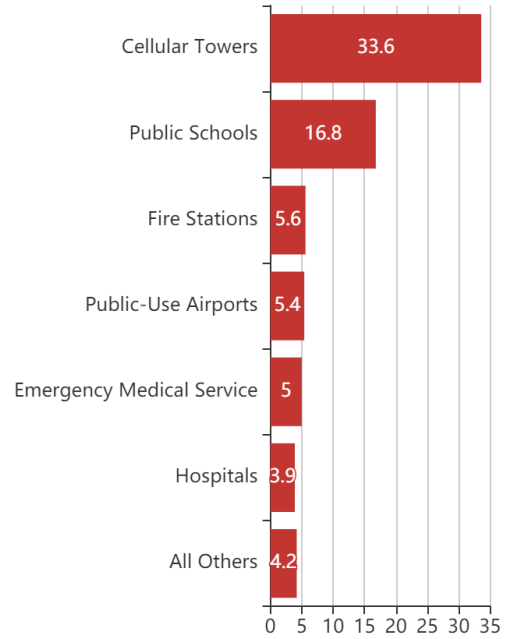


Power Requirements



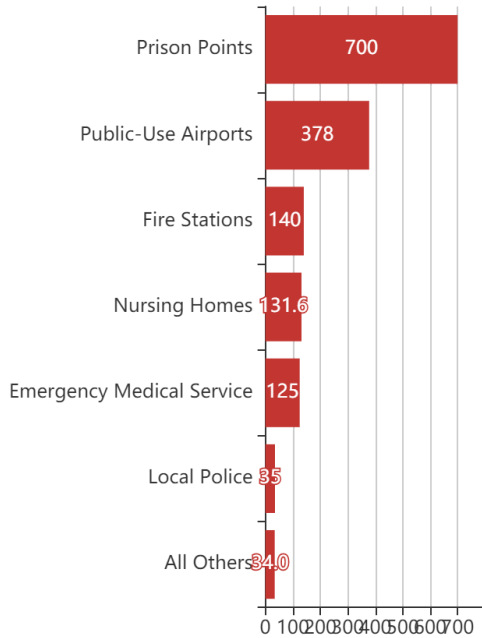
Generators

By Generator Count



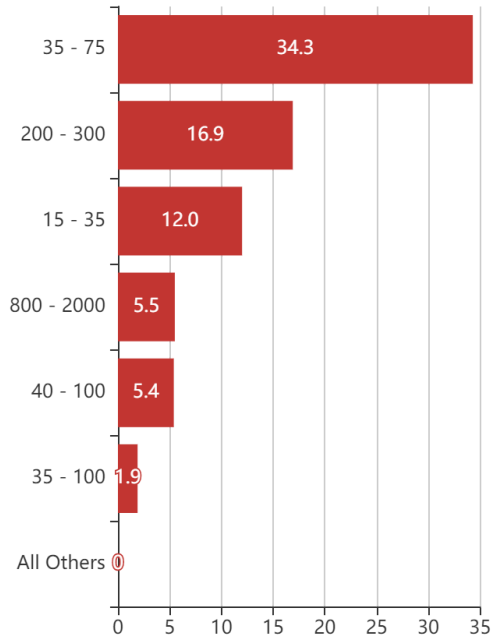
Generators

By Power Requirement



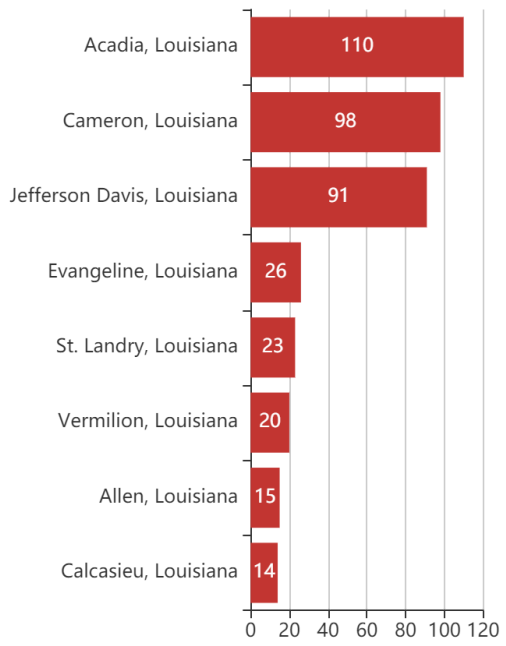
Generators

By Range



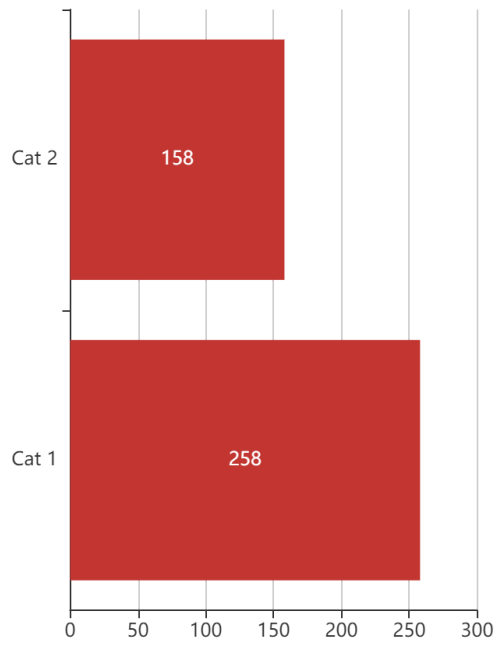
Structures

By County



Structures

By Intensity





Key Messages for Hurricane Delta

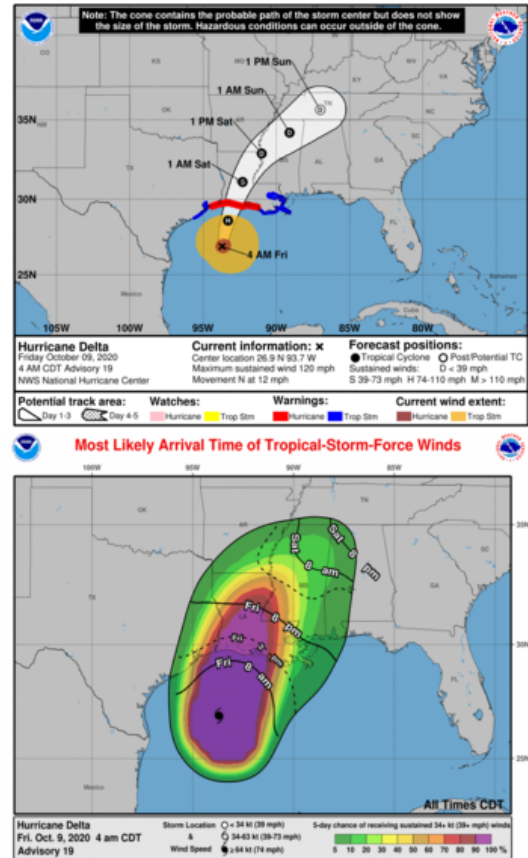
Advisory 19: 4:00 AM CDT Fri Oct 09, 2020



1. Life-threatening storm surge is expected near and east of where Delta makes landfall this evening, and a Storm Surge Warning is in effect from High Island, Texas, to Ocean Springs, Mississippi. The highest inundation of 7 to 11 feet is expected somewhere between Rockefeller Wildlife Refuge and Morgan City, Louisiana. Residents in the warning area should promptly follow advice given by local officials. The storm surge risk remains high despite the forecast decrease in intensity before landfall since Delta is a relatively large hurricane.

2. Hurricane-force winds are expected this afternoon and evening somewhere within the Hurricane Warning area between High Island, Texas, and Morgan City, Louisiana. Hurricane force winds will also spread inland across portions of southern Louisiana near the path of Delta's center this evening and tonight.

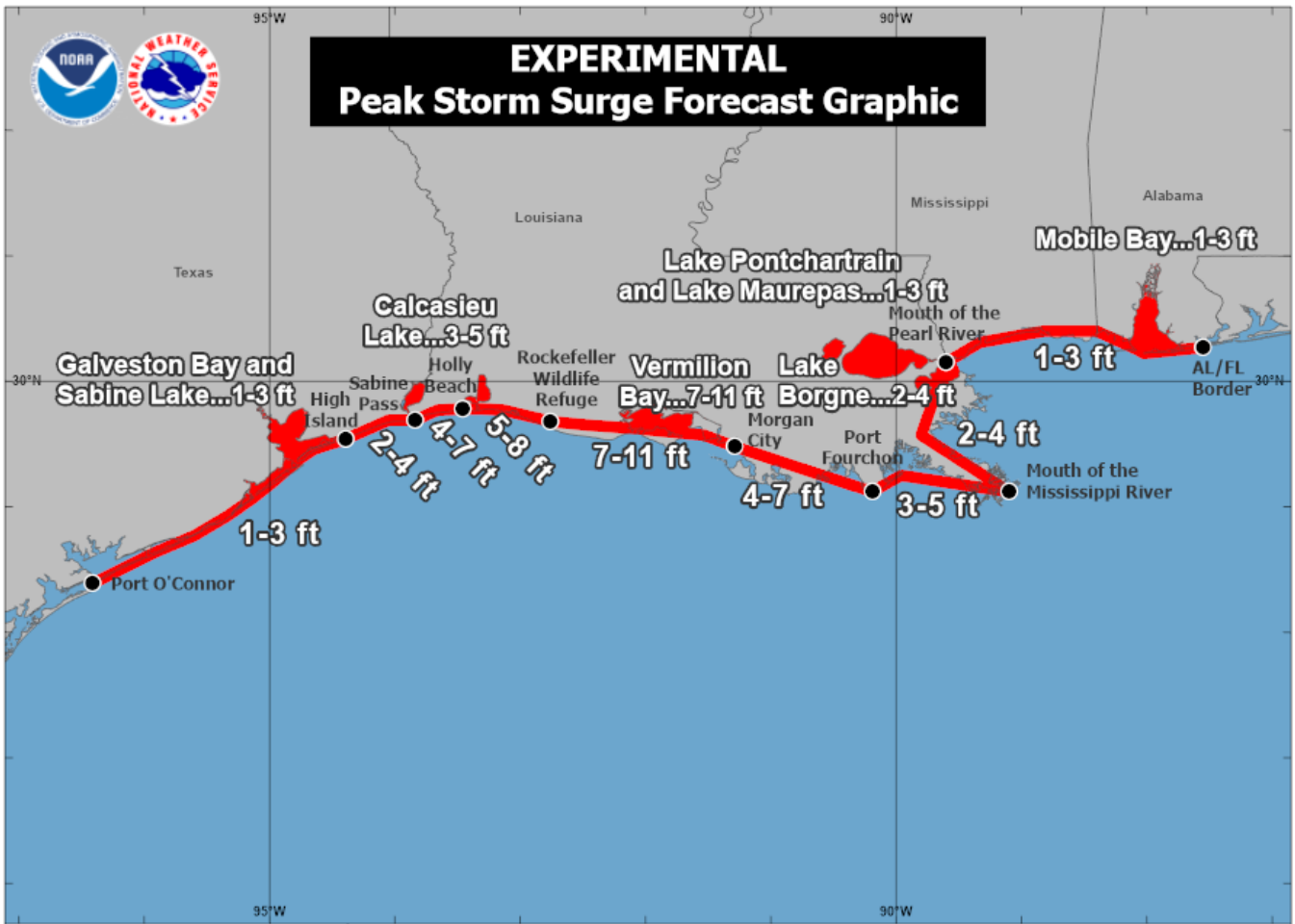
3. Heavy rainfall will lead to significant flash flooding and minor to major river flooding in parts of Louisiana today and Saturday. Additional flooding is expected across portions of the central Gulf Coast into the Lower Mississippi Valley.



For more information go to hurricanes.gov

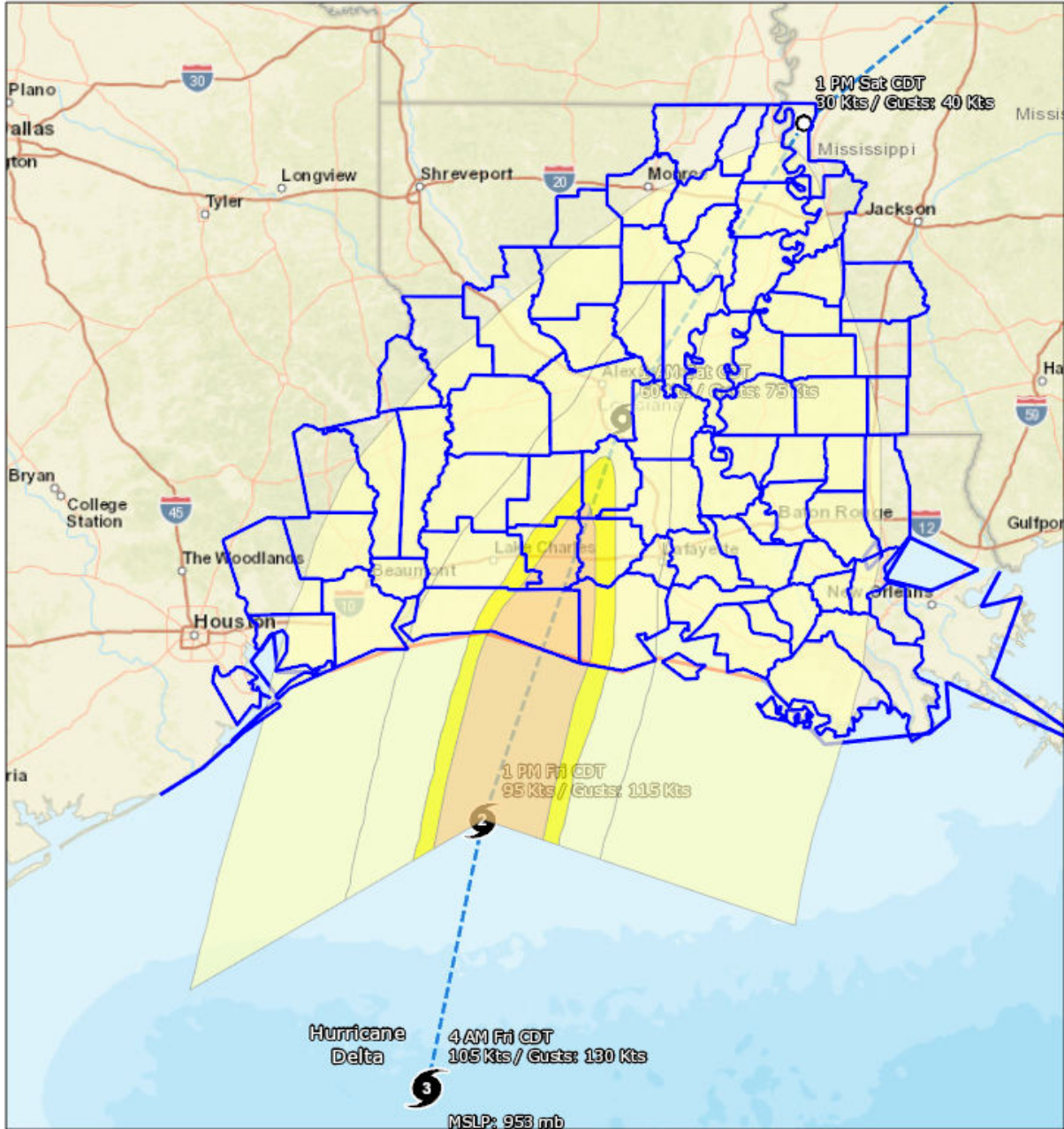


EXPERIMENTAL Peak Storm Surge Forecast Graphic

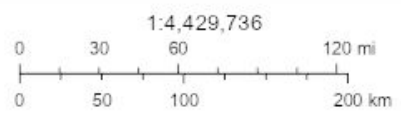


Hurricane Delta
Friday October 09, 2020
04 AM CDT Advisory 19
NWS National Hurricane Center

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.

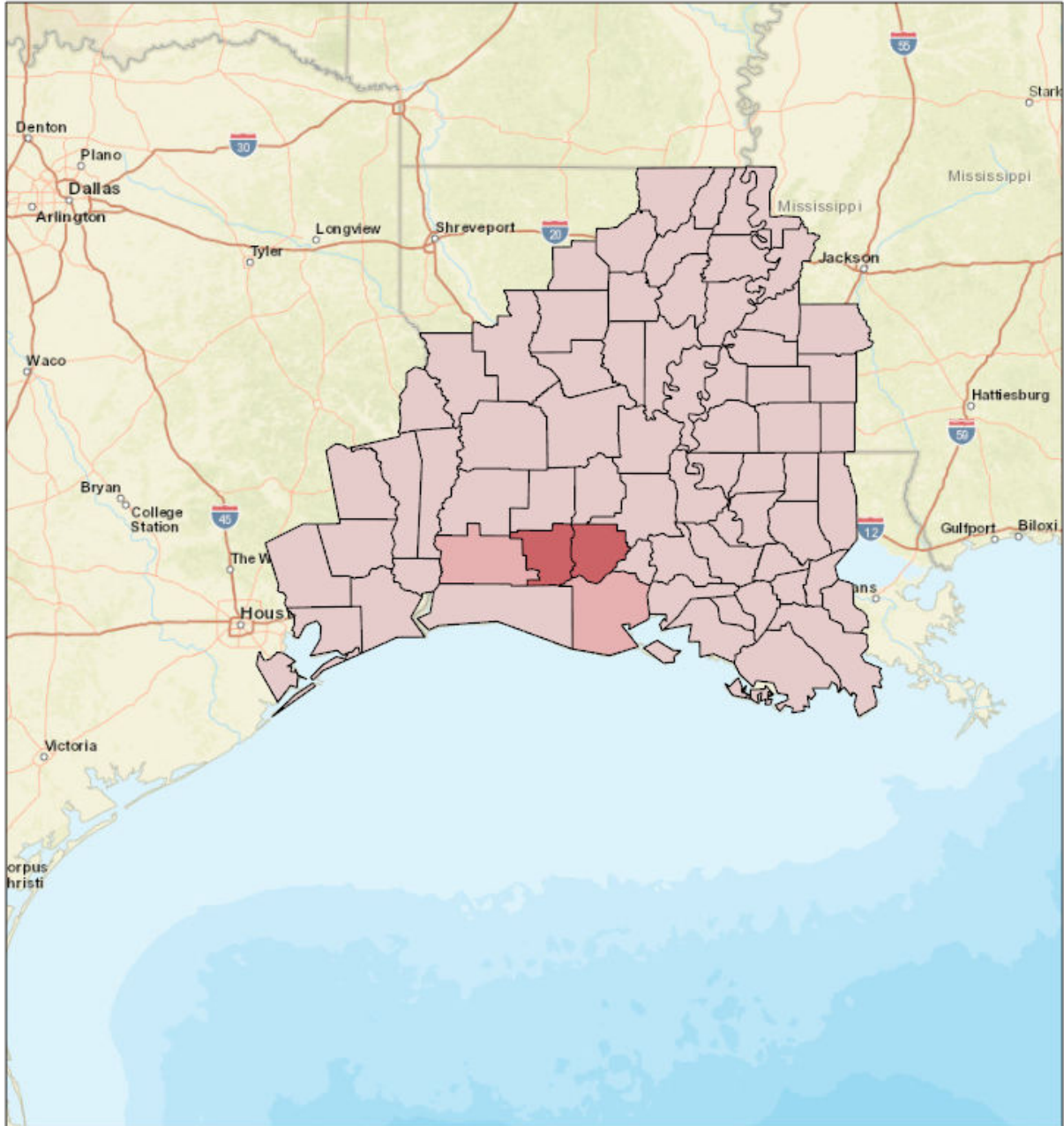


- Counties
- Mission Model Swaths
 - TS
 - Cat 1
 - Cat 2
- 120-hr Forecast Track Line






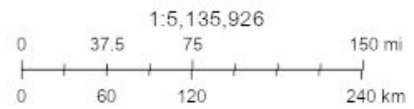
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community, NOAA/NOS/OCs nowCOAST, NOAA/NWS/NHC, NOAA/NWS/CPHC

Debris



Debris

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



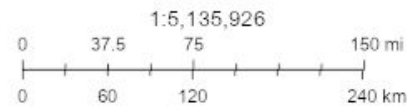
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Temporary Roofing



Temporary Roofing

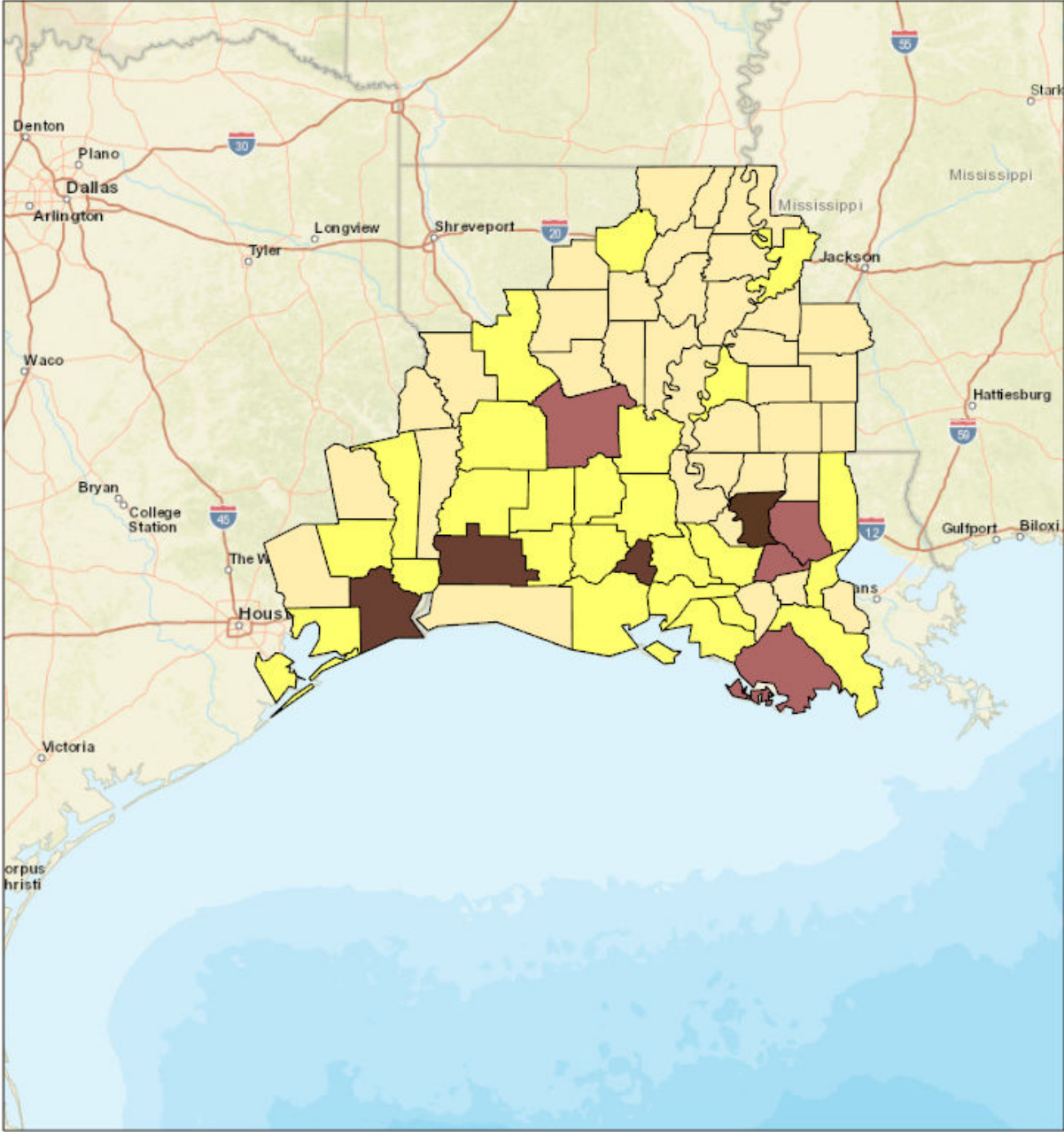
 < 2,000 units



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

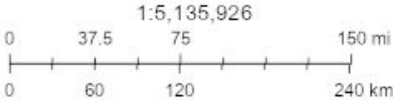
Created by SimSuite

Population



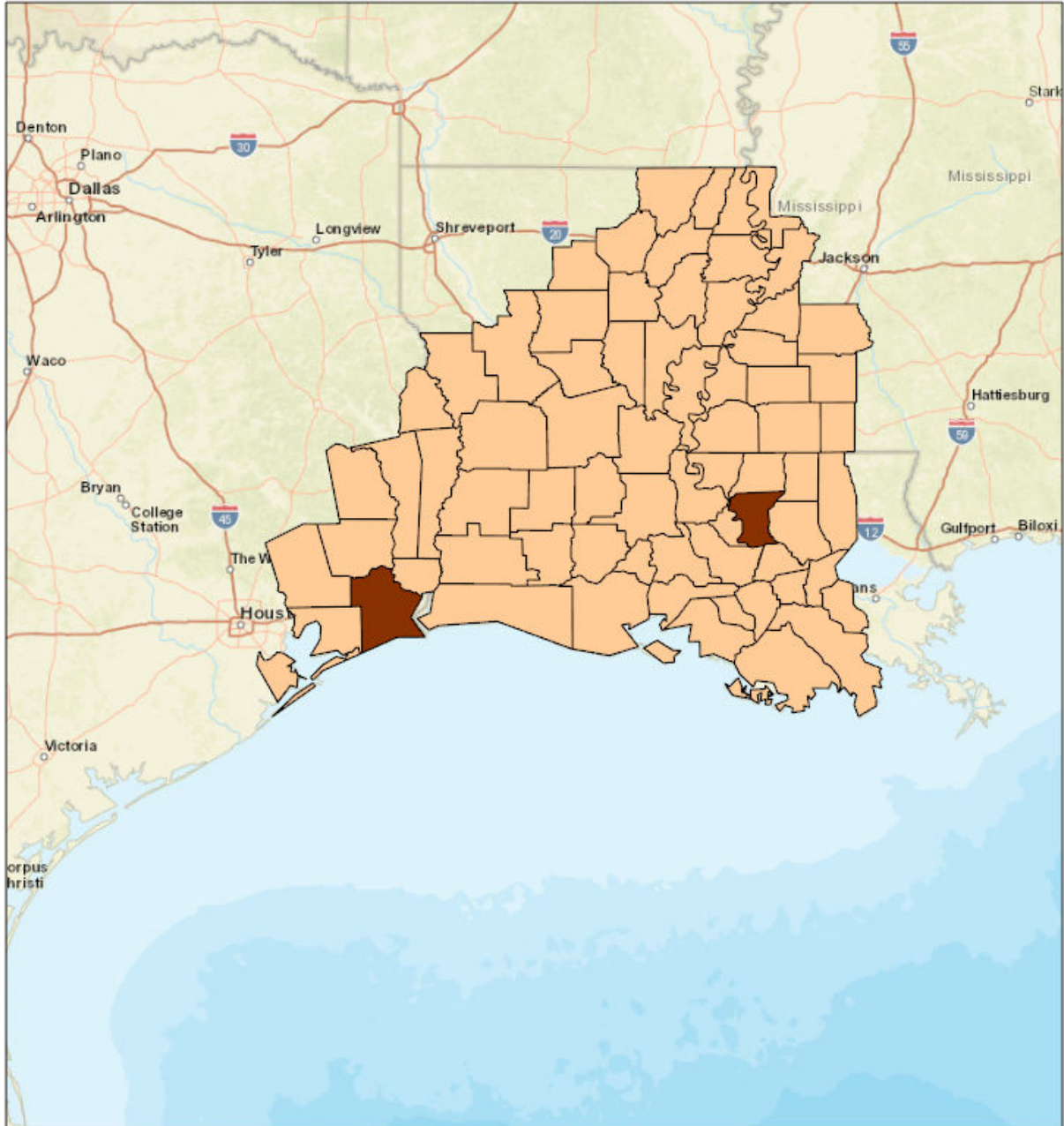
Population

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

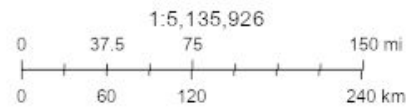


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Households



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	70
Debris (cu. yd.)	1,087,454
Temporary Roofing (units)	2,408
Population	3,173,464
Households	1,102,667

Population Distribution	
Tropical Storm	3,027,750
Category 1	87,639
Category 2	58,106

LOUISIANA	Yards of Debris (1,087,454)	Roof Units (2,408)	Population (2,476,251)	Households (848,092)
Acadia	290,916	641	60,985	21,141
Allen	20,802	57	25,820	8,103
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
Avoyelles	0	0	42,426	14,738
Beauregard	0	0	35,093	12,104
Calcasieu	148,181	353	187,667	68,629
Caldwell	0	0	10,333	3,941
Cameron	71,964	143	7,339	3,592
Catahoula	0	0	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	75,084	198	36,011	12,736
Franklin	0	0	19,999	7,754
Grant	0	0	21,739	7,074
Iberia	0	0	75,402	25,381
Iberville	0	0	32,992	10,674
Jackson	0	0	3,210	1,288
Jefferson Davis	294,294	601	31,373	11,479
La Salle	0	0	14,164	5,291
Lafayette	0	0	210,850	72,372
Lafourche	0	0	27,429	9,374
Livingston	0	0	125,599	32,630

Madison	0	0	12,172	4,469
Morehouse	0	0	789	312
Natchitoches	0	0	39,823	14,263
Ouachita	0	0	53,696	19,541
Pointe Coupee	0	0	22,820	8,397
Rapides	0	0	133,479	47,115
Richland	0	0	20,657	7,490
Sabine	0	0	9,084	3,541
St. Charles	0	0	845	263
St. Helena	0	0	10,363	3,873
St. James	0	0	21,505	6,992
St. John the Baptist	0	0	47,737	14,283
St. Landry	9,254	27	93,348	32,325
St. Martin	0	0	52,518	17,164
St. Mary	0	0	50,951	19,317
Tangipahoa	0	0	41,984	12,815
Tensas	0	0	5,558	2,416
Terrebonne	0	0	110,329	35,997
Vermilion	176,958	389	56,870	19,833
Vernon	0	0	45,282	18,260
West Baton Rouge	0	0	23,162	7,663
West Carroll	0	0	3,395	1,321
West Feliciana	0	0	15,318	3,645
Winn	0	0	15,430	5,930

MISSISSIPPI	Yards of Debris (0)	Roof Units (0)	Population (149,222)	Households (57,740)
Adams	0	0	31,752	13,677
Amite	0	0	13,229	5,271
Claiborne	0	0	11,121	3,685
Copiah	0	0	1,672	572
Franklin	0	0	8,292	3,211
Issaquena	0	0	472	179
Jefferson	0	0	9,098	3,308
Lincoln	0	0	6,930	2,495
Pike	0	0	8,178	3,009
Warren	0	0	48,349	18,756
Wilkinson	0	0	10,128	3,578

TEXAS	Yards of Debris (0)	Roof Units (0)	Population (547,991)	Households (196,835)
Chambers	0	0	33,630	9,139
Galveston	0	0	62,777	20,008
Hardin	0	0	52,994	17,805
Jasper	0	0	34,760	13,450
Jefferson	0	0	246,121	92,881
Liberty	0	0	10,551	3,194
Newton	0	0	14,285	5,583
Orange	0	0	84,766	31,642
Sabine	0	0	2,133	917
Tyler	0	0	5,973	2,217

COVID-19

#	County	Cases
1	East Baton Rouge	15,398
2	Galveston	11,833
3	Lafayette	9,106
4	Calcasieu	7,986
5	Jefferson	7,708
6	Ouachita	6,494
7	Tangipahoa	4,764
8	Rapides	4,374
9	Livingston	3,915
10	Ascension	3,848
11	Lafourche	3,740
12	Terrebonne	3,708
13	St. Landry	3,423
14	Acadia	3,004
15	Iberia	2,997
16	Liberty	2,264
17	St. Martin	2,119
18	Vermilion	2,070
19	Orange	2,008
20	St. Mary	1,963
21	St. Charles	1,860
22	East Feliciana	1,752
23	Allen	1,713
24	St. John the Baptist	1,599
25	Avoyelles	1,599
26	Warren	1,443
27	Iberville	1,422
28	Chambers	1,414
29	Hardin	1,358
30	Evangeline	1,350
31	Jefferson Davis	1,283
32	Pike	1,281
33	Copiah	1,256
34	Natchitoches	1,244
35	Franklin	1,237
36	Lincoln	1,178
37	Vernon	1,085
38	Pointe Coupee	1,070
39	Beauregard	1,028

40	Adams	978
41	West Baton Rouge	927
42	Sabine	898
43	Madison	888
44	Morehouse	833
45	St. James	812
46	Richland	801
47	Assumption	771
48	West Feliciana	734
49	Jackson	703
50	Winn	645
51	East Carroll	548
52	Concordia	525
53	Grant	502
54	Claiborne	500
55	Jasper	496
56	Catahoula	442
57	LaSalle	440
58	St. Helena	424
59	Amite	363
60	West Carroll	353
61	Wilkinson	313
62	Caldwell	313
63	Jefferson	247
64	Tyler	236
65	Cameron	235
66	Franklin	206
67	Newton	187
68	Tensas	162
69	Issaquena	106
70	Sabine	82

Critical Infrastructure

Summary			
Total Critical Facilities		416	
Power Requirements (kW)		15,329.9	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (2)	0.1	35 - 75	5.5
Cellular Towers (56)	33.6	35 - 75	1,848.0
FM Antennas (11)	0.6	35 - 75	30.3
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (9)	0.0	200 - 300	0.0
Public Schools (56)	16.8	200 - 300	4,200.0
Colleges and Universities (4)	0.1	200 - 300	20.0
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 (56)	5.6	15 - 35	140.0
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (13)	1.9	35 - 100	131.6
Hospitals (13)	3.9	800 - 2000	5,460.0
Urgent Care Facilities (0)	0.0	200 - 300	0.0
Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (0)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (2)	0.0	15 - 35	0.0
National Security Government Military Facilities (6)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (7)	1.4	400 - 600	700.0
Local Police (14)	1.4	15 - 35	35.0
State Police (0)	0.0	15 - 35	0.0
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (3)	0.6	15 - 40	16.5
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 (63)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (2)	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
Public-Use Airports (45)	5.4	40 - 100	378.0

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (4)	1.6	800 - 2000	2,240.0

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