



US Army Corps of Engineers
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Hurricane Zeta Adv. #16

For Planning Purposes Only!

WASHINGTON, DC
12:17:52
28 Oct 2020

CHICAGO
11:17:52
28 Oct 2020

LOS ANGELES
09:17:52
28 Oct 2020

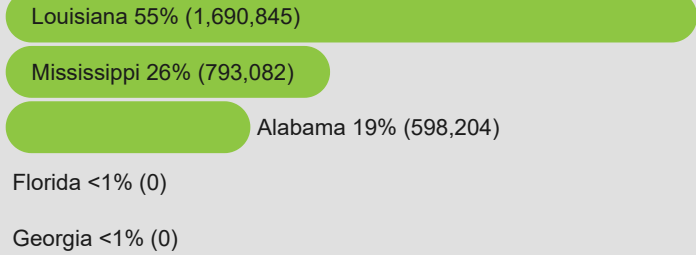
<https://go.usa.gov/x7ba2>

Updated as of 28 Oct 2020 (11:17 AM Central Daylight Time)



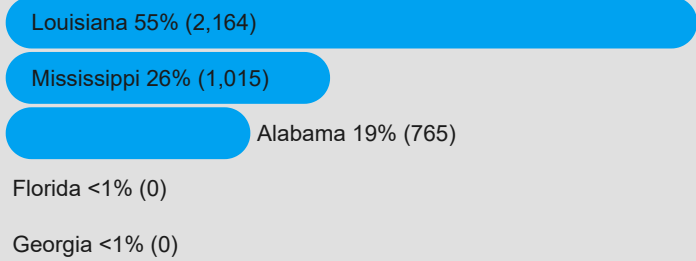
Debris

3,082,131
cu. yd.



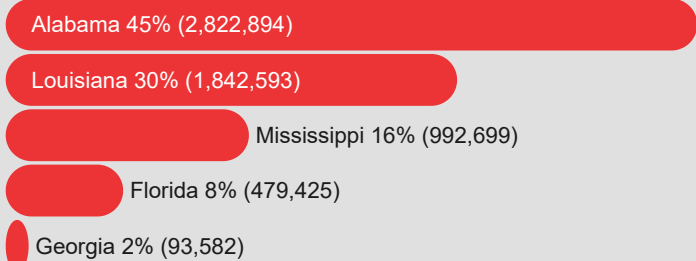
Temporary Roofing

3,944
units



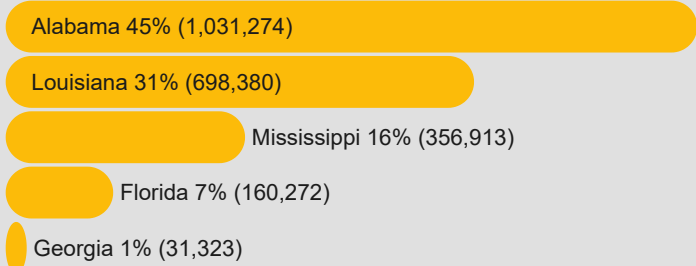
Population

6,231,194
people



Households

2,278,163
households



Critical Infrastructure Summary

Total

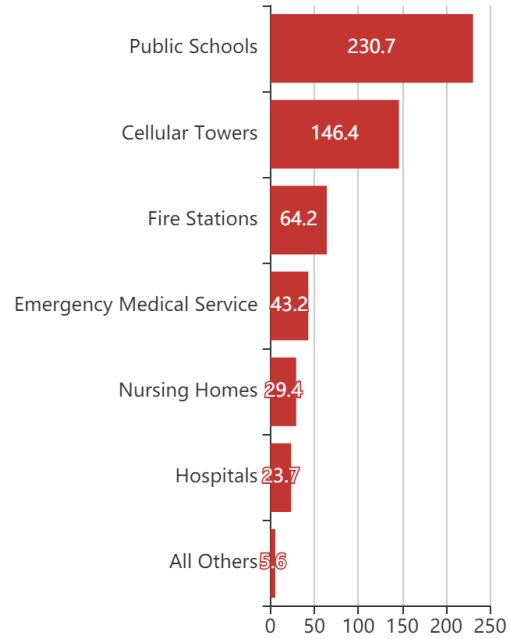


Power Requirements



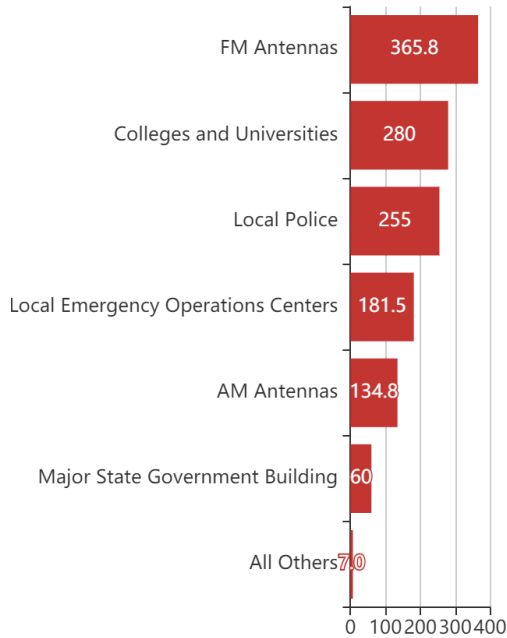
Generators

By Generator Count



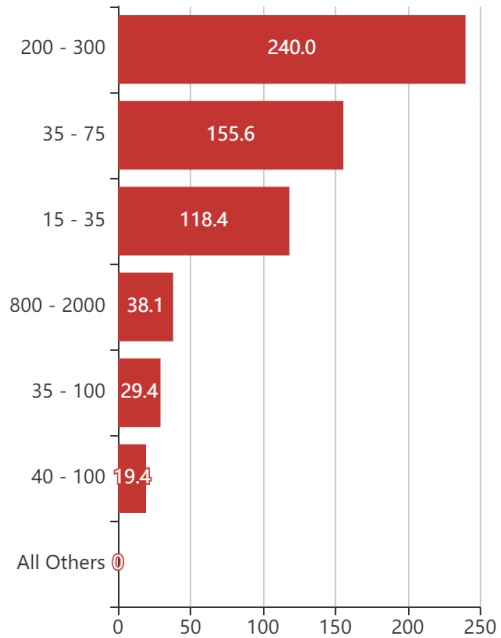
Generators

By Power Requirement



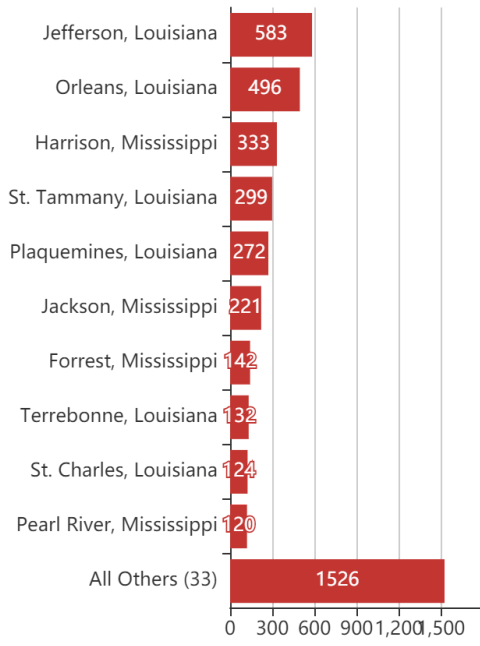
Generators

By Range



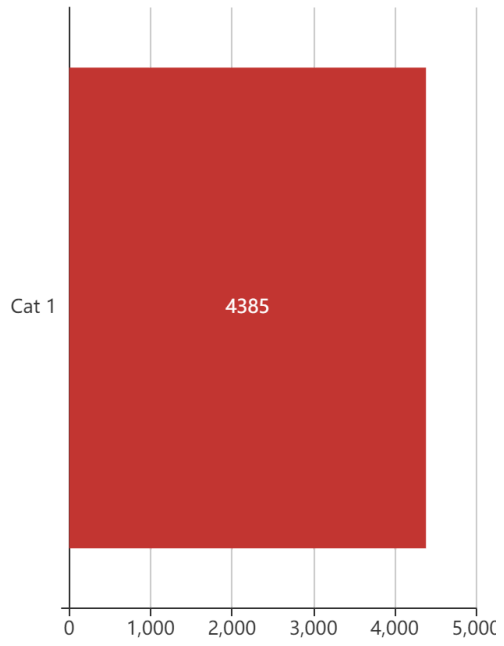
Structures

By County



Structures

By Intensity





Key Messages for Hurricane Zeta

Advisory 16: 10:00 AM CDT Wed Oct 28, 2020

1. A life-threatening storm surge is expected along portions of the northern Gulf Coast beginning later today, with the highest inundation occurring between Port Fourchon, Louisiana, and Dauphin Island, Alabama. Residents in the Storm Surge Warning area should follow any advice given by local officials. Overtopping of local, non-federal levee systems is possible within southeastern Louisiana outside of the Hurricane and Storm Damage Risk Reduction System.

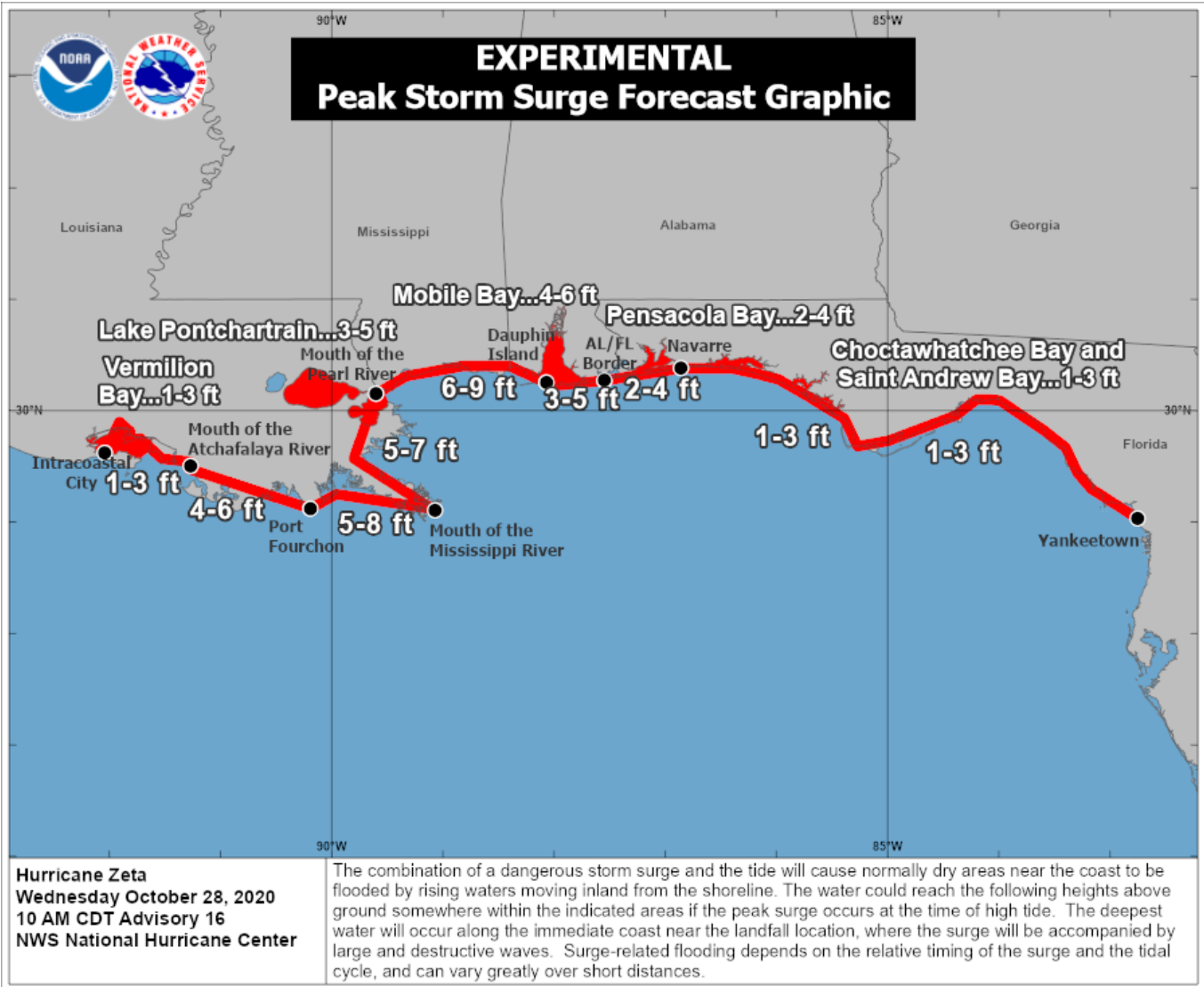
2. Hurricane conditions are expected this afternoon and evening within portions of the Hurricane Warning area along the southeastern Louisiana and Mississippi coasts. Tropical storm conditions are expected within portions of the Tropical Storm Warning area along the Alabama and far western Florida Panhandle coasts.

3. Strong, damaging wind gusts, which could cause tree damage and power outages, will spread well inland across portions of southeastern Mississippi, Alabama, northern Georgia, the Carolinas, and southeastern Virginia tonight and Thursday due to Zeta's fast forward speed. Wind gusts could be especially severe across the southern Appalachian Mountains on Thursday.

4. Through Thursday, heavy rainfall is expected from portions of the central U.S. Gulf Coast into the Mid-Mississippi Valley, Ohio Valley, southern to central Appalachians, and Mid-Atlantic States near and in advance of Zeta. This rainfall will lead to flash, urban, small stream, and minor river flooding.



For more information go to hurricanes.gov













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	98
Debris (cu. yd.)	3,082,131
Temporary Roofing (units)	3,944
Population	6,231,194
Households	2,278,163
Population Distribution	
Tropical Storm	3,635,824
Category 1	2,474,319

ALABAMA	Yards of Debris (598,204)	Roof Units (765)	Population (2,822,894)	Households (1,031,274)
Autauga	0	0	51,766	16,003
Baldwin	0	0	186,407	55,336
Bibb	23,198	30	21,801	7,421
Bullock	0	0	10,926	3,986
Butler	0	0	20,159	8,398
Chambers	0	0	34,772	14,522
Chilton	18,979	24	42,719	15,286
Choctaw	19,893	25	14,319	6,364
Clarke	33,067	42	26,560	10,578
Clay	0	0	13,878	5,765
Coffee	0	0	179	65
Conecuh	0	0	13,266	5,792
Coosa	0	0	11,344	4,682
Covington	0	0	36,768	15,640
Crenshaw	0	0	13,812	5,577
Dallas	13,361	17	42,841	17,841
Elmore	0	0	80,859	22,737
Escambia	0	0	37,531	14,297
Fayette	0	0	5,785	2,450
Greene	3,909	5	9,278	3,931
Hale	20,053	26	18,594	6,415
Jefferson	119,836	153	662,628	263,265
Lee	0	0	137,345	45,702
Lowndes	0	0	12,852	4,909
Macon	0	0	22,463	8,950
Marengo	27,406	35	21,292	8,767
Mobile	170,186	218	410,224	150,175
Monroe	0	0	23,425	9,383
Montgomery	0	0	227,425	86,068
Perry	13,545	17	10,680	4,333
Pickens	0	0	19,854	8,086
Pike	0	0	15,356	6,073
Randolph	0	0	22,785	8,642
Russell	0	0	1,176	448
Shelby	57,068	73	196,040	54,633
Sumter	17,843	23	13,252	5,708
Talladega	0	0	80,412	30,674
Tallapoosa	0	0	40,715	16,656
Tuscaloosa	35,719	46	181,824	64,518
Washington	20,077	26	16,638	6,422
Wilcox	4,064	5	12,943	4,776

FLORIDA	Yards of Debris (0)	Roof Units (0)	Population (479,425)	Households (160,272)
Escambia	0	0	314,018	111,049
Okaloosa	0	0	15,721	5,430
Santa Rosa	0	0	149,686	43,793

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (93,582)	Households (31,323)
Harris	0	0	7,193	2,051
Heard	0	0	11,652	4,043
Meriwether	0	0	9,326	3,308
Troup	0	0	65,411	21,920

LOUISIANA	Yards of Debris (1,690,845)	Roof Units (2,164)	Population (1,842,593)	Households (698,380)
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
East Baton Rouge	0	0	9,718	3,528
Iberville	0	0	515	167
Jefferson	550,909	705	435,334	176,234
Lafourche	82,144	105	76,888	26,278
Livingston	0	0	125,599	32,630
Orleans	588,474	753	351,222	188,251
Plaquemines	27,630	35	24,598	8,839
St. Bernard	78,535	100	37,764	25,123
St. Charles	50,913	65	52,308	16,287
St. Helena	0	0	10,363	3,873
St. James	0	0	21,505	6,992
St. John the Baptist	11,922	15	47,737	14,283
St. Martin	0	0	52,518	17,164
St. Mary	0	0	16,941	6,423
St. Tammany	209,265	268	229,934	66,943
Tangipahoa	11,684	15	119,775	36,558
Terrebonne	54,434	70	53,371	17,413
Washington	24,937	32	45,426	16,466

MISSISSIPPI	Yards of Debris (793,082)	Roof Units (1,015)	Population (992,699)	Households (356,913)
Amite	0	0	239	95
Clarke	18,393	24	14,863	5,884
Covington	866	1	20,622	7,126
Forrest	84,974	109	81,069	27,183
George	21,072	27	22,065	6,741
Greene	12,967	17	13,959	4,148
Hancock	52,820	68	40,492	16,897
Harrison	223,628	286	183,018	71,538
Jackson	149,035	191	135,395	47,676
Jasper	1,535	2	18,316	6,709
Jefferson Davis	0	0	13,153	5,177
Jones	59,439	76	53,084	19,014
Kemper	0	0	9,947	3,909
Lamar	41,029	53	45,422	13,125
Lauderdale	8,926	11	78,139	29,999
Lawrence	0	0	13,472	5,040
Lincoln	0	0	1,618	583
Marion	8,006	10	26,089	9,336
Neshoba	0	0	3,556	1,239
Newton	0	0	22,492	8,221
Noxubee	0	0	3,195	1,191
Pearl River	56,512	72	58,831	18,078
Perry	13,817	18	12,241	4,420
Pike	0	0	40,198	14,792
Scott	0	0	3,051	1,060
Simpson	0	0	9,872	3,509
Smith	0	0	15,745	6,046
Stone	14,839	19	16,210	4,747
Walthall	661	1	15,621	5,572
Wayne	24,561	31	20,726	7,857

Critical Infrastructure

Summary			
Total Critical Facilities		4,385	
Power Requirements (kW)		133,443.2	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (49)	2.5	35 - 75	134.8
Cellular Towers (244)	146.4	35 - 75	8,052.0
FM Antennas (133)	6.7	35 - 75	365.8
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (207)	0.0	200 - 300	0.0
Public Schools (769)	230.7	200 - 300	57,675.0
Colleges and Universities (56)	1.1	200 - 300	280.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (432)	43.2	15 - 35	1,080.0
Fire Stations (642)	64.2	15 - 35	1,605.0
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (196)	29.4	35 - 100	1,984.5
Hospitals (79)	23.7	800 - 2000	33,180.0
Urgent Care Facilities (41)	8.2	200 - 300	2,050.0
Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (4)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (43)	0.0	15 - 35	0.0
National Security Government Military Facilities (341)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (50)	10.0	400 - 600	5,000.0
Local Police (102)	10.2	15 - 35	255.0
State Police (11)	0.6	15 - 35	13.8
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (33)	6.6	15 - 40	181.5
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 (4)	0.4	100 - 200	60.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (620)	0.0	600 - 1200	0.0
Amtrak Stations (9)	0.0	100 - 300	0.0
Bus Stations (69)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (40)	0.0	100 - 300	0.0
Railroad Stations (9)	0.0	100 - 300	0.0
Public-Use Airports (162)	19.4	40 - 100	1,360.8

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (2)	0.8	800 - 2000	1,120.0
Wastewater Treatment Plants (34)	13.6	800 - 2000	19,040.0

COVID-19

#	County	Cases
1	Mecklenburg	33,552
2	Prince George's	32,499
3	Fulton	31,038
4	Gwinnett	30,489
5	Jefferson	23,573
6	Fairfax	23,534
7	Cobb	21,867
8	DeKalb	21,101
9	Wake	20,953
10	Jefferson	18,687
11	Greenville	17,482
12	Mobile	16,994
13	Ocean	16,605
14	East Baton Rouge	16,092
15	Prince William	14,162
16	Orleans	13,471
17	Escambia	13,375
18	Knox	12,956
19	Hamilton	11,952
20	Anne Arundel	11,872
21	Guilford	11,278
22	Hall	10,658
23	Tuscaloosa	10,462
24	Montgomery	10,352
25	Madison	9,422
26	Durham	8,933
27	Spartanburg	8,922
28	Forsyth	8,756
29	Burlington	8,334
30	Clayton	8,200
31	Sussex	7,882
32	Virginia Beach	7,881
33	St. Tammany	7,727
34	Shelby	7,504
35	Gaston	7,302
36	Cherokee	7,082
37	Chesterfield	7,058
38	Baldwin	6,712
39	York	6,671

40	Lee	6,571
41	Henrico	6,294
42	Okaloosa	6,244
43	Henry	6,204
44	Santa Rosa	5,894
45	Anderson	5,678
46	Whitfield	5,410
47	Harrison	5,398
48	Norfolk	5,369
49	Richmond City	5,320
50	Alamance	5,147
51	Atlantic	5,091
52	Tangipahoa	5,004
53	Chesapeake	4,905
54	Cabarrus	4,850
55	Forsyth	4,735
56	Jackson	4,693
57	Calhoun	4,647
58	Marshall	4,426
59	Pickens	4,406
60	Catawba	4,375
61	Etowah	4,341
62	Morgan	4,223
63	Livingston	4,216
64	Ascension	4,146
65	Rowan	4,102
66	Buncombe	4,088
67	Douglas	4,084
68	Cumberland	3,986
69	Floyd	3,956
70	Lafourche	3,899
71	Terrebonne	3,862
72	Sullivan	3,846
73	Iredell	3,785
74	Randolph	3,730
75	Davidson	3,677
76	Bradley	3,641
77	Washington	3,615
78	Bartow	3,614
79	DeKalb	3,492
80	Kent	3,462
81	Sevier	3,408
82	Blount	3,404
83	Carroll	3,337

84	Nash	3,334
85	Elmore	3,246
86	Newport News	3,182
87	Charles	3,154
88	Paulding	3,147
89	Cleveland	3,132
90	Forrest	3,094
91	Orange	3,079
92	Troup	3,056
93	St. Clair	3,040
94	Coweta	2,964
95	Jones	2,961
96	Newton	2,856
97	Walker	2,837
98	Portsmouth	2,824
99	Montgomery	2,751
100	Roanoke City	2,730
101	Talladega	2,714
102	Burke	2,654
103	Barrow	2,602
104	Cullman	2,557
105	Henderson	2,504
106	Lauderdale	2,499
107	Hamblen	2,495
108	Wicomico	2,493
109	Caldwell	2,476
110	Oconee	2,444
111	Spotsylvania	2,432
112	Stanly	2,431
113	Jackson	2,375
114	Gordon	2,370
115	Lincoln	2,361
116	Stafford	2,341
117	Walton	2,339
118	Lamar	2,291
119	Suffolk	2,290
120	St. Martin	2,218
121	Jackson	2,194
122	Fayette	2,129
123	Rockdale	2,122
124	Hampton	2,109
125	Autauga	2,082
126	Granville	2,031

127	St. Mary	2,021
128	Edgecombe	1,973
129	Blount	1,972
130	Russell	1,960
131	St. Charles	1,956
132	Rockingham	1,956
133	Lynchburg	1,955
134	Chatham	1,925
135	Laurens	1,912
136	Chilton	1,904
137	Dallas	1,881
138	Walker	1,877
139	Habersham	1,876
140	Neshoba	1,861
141	Greene	1,821
142	Surry	1,810
143	Coffee	1,807
144	Covington	1,759
145	Escambia	1,749
146	Washington	1,747
147	Rutherford	1,742
148	Polk	1,707
149	Wilkes	1,705
150	McMinn	1,673
151	Loudon	1,653
152	St. John the Baptist	1,649
153	Hanover	1,629
154	Carter	1,598
155	Spalding	1,588
156	Charlottesville	1,588
157	Jefferson	1,575
158	Albemarle	1,570
159	St. Bernard	1,548
160	Roanoke	1,502
161	Cherokee	1,501
162	Monroe	1,486
163	Iberville	1,475
164	St. Mary's	1,470
165	Franklin	1,449
166	Catoosa	1,429
167	Lincoln	1,429
168	Pike	1,404
169	Halifax	1,394
170	Watauga	1,392

171	Culpeper	1,373
172	Chambers	1,368
173	Clarke	1,366
174	Pike	1,345
175	Tallapoosa	1,339
176	Henry	1,320
177	McDowell	1,313
178	Pittsylvania	1,284
179	Stephens	1,278
180	Scott	1,262
181	Hawkins	1,232
182	Simpson	1,223
183	Accomack	1,211
184	Worcester	1,210
185	Bedford	1,200
186	Vance	1,196
187	Danville	1,184
188	Montgomery	1,184
189	Calvert	1,176
190	Johnson	1,166
191	Pearl River	1,150
192	Cape May	1,111
193	Cocke	1,097
194	Prince George	1,087
195	Fauquier	1,087
196	Lumpkin	1,043
197	Jackson	1,036
198	Gilmer	1,036
199	Murray	1,033
200	Wayne	1,027
201	Marengo	1,026
202	George	1,014
203	Butler	1,012
204	Yadkin	1,003
205	White	1,000
206	Covington	985
207	Washington	980
208	Marion	954
209	James City	951
210	Winston	940
211	Chattooga	940
212	Franklin	933
213	Radford	929

214	Petersburg	926
215	Southampton	921
216	Dawson	911
217	Greenville	894
218	Plaquemines	893
219	Union	886
220	Mecklenburg	871
221	Pickens	869
222	Newton	868
223	Isle of Wight	864
224	Pasquotank	863
225	Hancock	859
226	Hertford	853
227	Alexander	851
228	Harris	850
229	Bibb	850
230	St. James	841
231	Randolph	835
232	Fannin	828
233	Assumption	799
234	Marion	794
235	Madison	787
236	Dorchester	779
237	Hale	777
238	Pickens	775
239	Cherokee	773
240	Queen Anne's	773
241	Clarke	763
242	Prince Edward	760
243	Cherokee	756
244	Davie	753
245	Clay	753
246	Macon	752
247	Washington	751
248	Caroline	740
249	Buckingham	735
250	Bertie	727
251	Lowndes	716
252	Campbell	714
253	Haywood	710
254	Jasper	692
255	Stokes	673
256	Augusta	664
257	Person	661

258	Monroe	655
259	Bullock	650
260	Talbot	645
261	Haralson	642
262	Walthall	641
263	York	640
264	Sussex	639
265	Smyth	624
266	Caswell	620
267	Avery	619
268	Crenshaw	609
269	Carroll	606
270	Noxubee	601
271	Smith	598
272	Meriwether	598
273	Perry	595
274	Fayette	589
275	Fredericksburg	589
276	Amherst	583
277	Hart	576
278	Cleburne	573
279	Wilcox	570
280	Conecuh	565
281	Northampton	559
282	Banks	556
283	Salem	555
284	Macon	539
285	Lawrence	534
286	Polk	527
287	Chowan	526
288	Dinwiddie	520
289	Halifax	515
290	Hopewell	514
291	Tazewell	514
292	Perry	512
293	Franklin City	495
294	Stone	486
295	Martinsville	482
296	Greene	479
297	Russell	478
298	Sumter	474
299	Unicoi	445
300	Galax	444
301	TOWNS	438

301	TOWNS	430
302	St. Helena	437
303	Ashe	432
304	Rabun	428
305	Amite	427
306	Fluvanna	426
307	Warren	423
308	Brunswick	421
309	Caroline	419
310	Somerset	419
311	Jefferson Davis	417
312	Transylvania	409
313	Orange	400
314	Polk	396
315	Louisa	395
316	Choctaw	393
317	Botetourt	390
318	Waynesboro	388
319	Richmond	380
320	Grayson	379
321	Scott	367
322	Sequatchie	357
323	Dade	355
324	Nottoway	351
325	Greene	346
326	Kent	342
327	Gloucester	341
328	Wythe	339
329	Westmoreland	337
330	Meigs	330
331	Goochland	328
332	Kemper	327
333	Patrick	320
334	Northampton	319
335	Yancey	314
336	Powhatan	312
337	Colonial Heights	306
338	Pulaski	296
339	Alleghany	296
340	Emporia	296
341	Greene	292
342	Appomattox	289
343	New Kent	280
344	Swain	276

345	King George	272
346	Bristol	270
347	Monroe	249
348	Perquimans	246
349	Graham	246
350	Floyd	246
351	Madison	244
352	Lexington	234
353	Heard	228
354	Currituck	222
355	Clay	222
356	Mitchell	219
357	Northumberland	218
358	Williamsburg	215
359	Charlotte	212
360	Coosa	209
361	King William	203
362	Lancaster	198
363	Essex	195
364	Franklin	194
365	Gates	167
366	Rockbridge	152
367	Lunenburg	151
368	Amelia	147
369	Middlesex	145
370	Surry	141
371	Nelson	136
372	Camden	135
373	Mathews	134
374	Giles	133
375	Madison	131
376	Buena Vista	121
377	Cumberland	119
378	Alleghany	113
379	Charles City	101
380	Poquoson	97
381	King and Queen	85
382	Bland	71
383	Craig	50