Florida Statewide Regional Evacuation Study Program

Emergency Management Evacuation Tool Kit

Columbia County

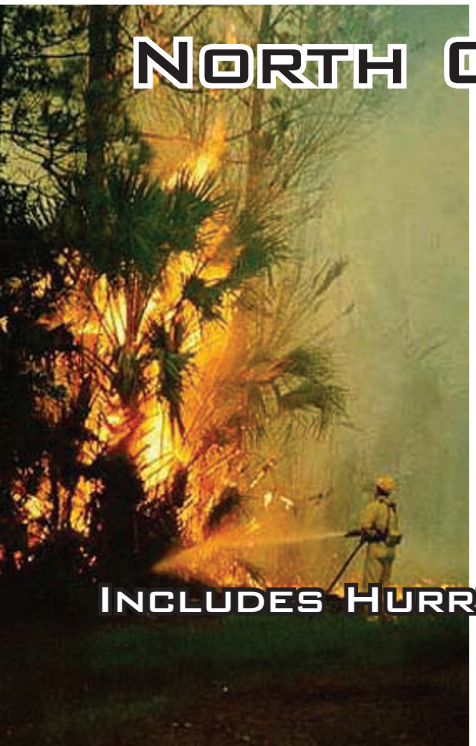
Volume 6-3

Book 3 of 11

Florida Division of Emergency Management

North Central Florida Regional Planning Council

North Central Florida Region



Includes Hurricane Evacuation Study

Statewide Regional Evacuation Study Program

STATEWIDE REGIONAL EVACUATION STUDY PROGRAM

Volume 6-3

North Central Florida Region Emergency Management Toolkit

The Emergency Management Tool Kit includes approximately fifty pages of tables, maps and figures most pertinent to county emergency management hurricane planning and operations. It is meant to be used as a quick reference guide. Each page is copied from the study and contains the source Volume and Chapter so that additional information is readily available. The Executive Summary and the county specific appendices from Chapter IV - County Critical Facilities Vulnerability Analyses also contain concise information.

STATE EMERGENCY FLORIDA SERT RESPONSE TEAM

North Central Florida Regional Planning Council

Emergency Management Evacuation Tool Kit

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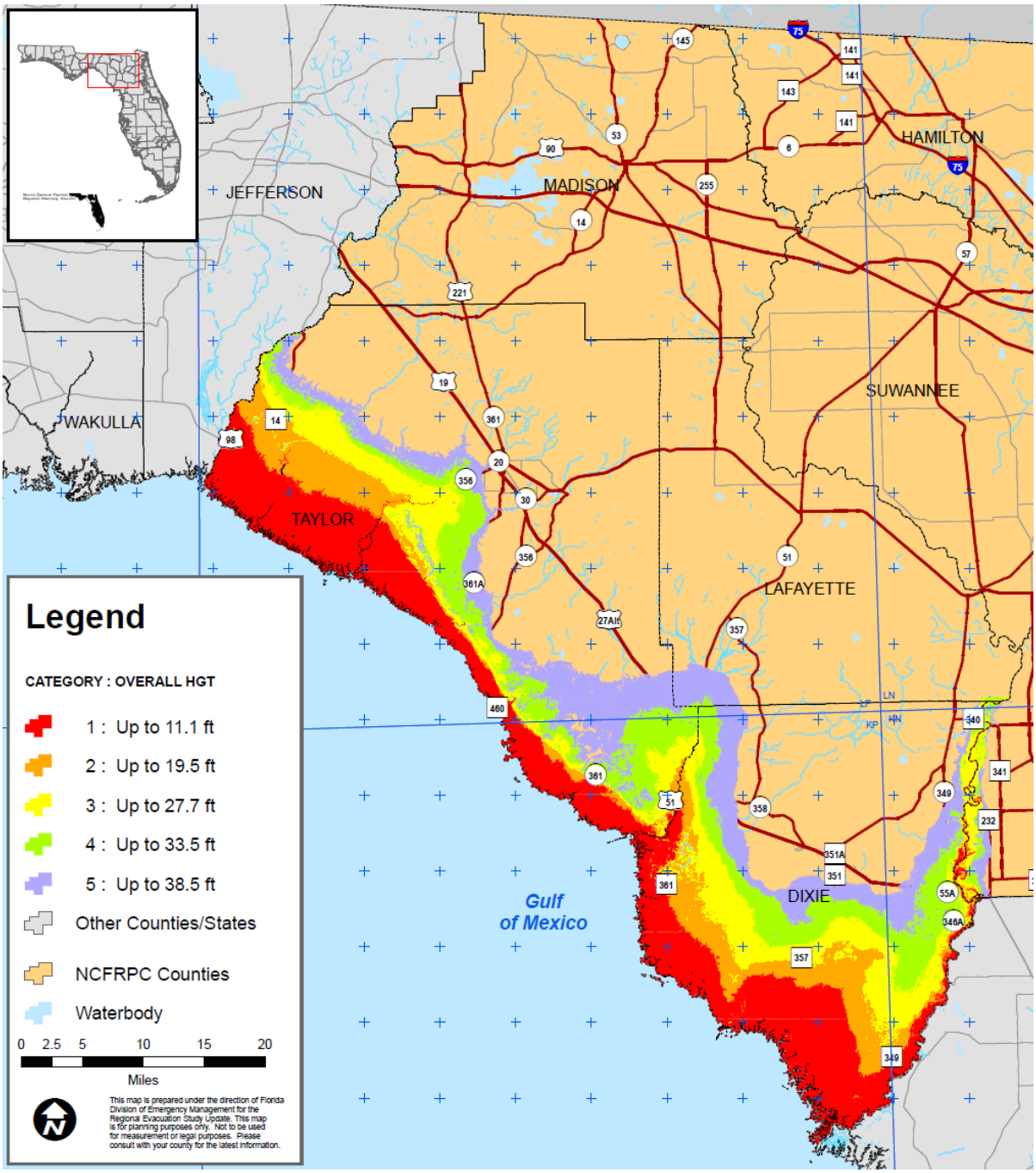
Figure II- 3: Storm Tide Limits for the North Central Florida Region



tropical storm/hurricane category. These plots of maximum surge heights for a given storm category and track are referred to as Maximum Envelopes of Water (MEOWs).

In order to determine a scenario which may confront the county in a hurricane threat 24-48 hours before a storm is expected, a further compositing of the MEOWs into Maximums of the Maximums (MOMs) is usually required.

The MOM (Maximum of the MEOWs) combines all the MEOWs of a particular category. The MOMs represent the maximum surge expected to occur at any given location, regardless of the specific storm track/direction of the hurricane. The only variable is the intensity of the hurricane represented by category strength (Category 1-5).

The MOM surge tide heights, which were furnished by the National Hurricane Center, have 2 values, mean tide and high tide. Mean tide has 0' tide correction. High tide has a 1' tide correction added to it. All elevations are now referenced to the NAVD88 datum. The range of maximum surge heights (high and low) for each county in the region based upon the model is provided for each category of storm on Table IV-1. **It should be noted again that these surge heights represent the maximum surge height recorded in the county including inland and river areas where the surge can be magnified dependent upon storm parameters.**

Table IV-1 Potential Storm Tide Height(s) by County

(In Feet above NAVD88)

*Storm Strength	Dixie	Taylor	Gilchrist	Lafayette
Category 1	Up to 10.6	Up to 11.1	Up to 5.7	Up to 5.4
Category 2	Up to 17.4	Up to 19.5	Up to 14.9	Up to 8.5
Category 3	Up to 23.6	Up to 27.7	Up to 21.7	Up to 19.3
Category 4	Up to 29.3	Up to 33.5	Up to 26.5	Up to 28.1
Category 5	Up to 34.2	Up to 38.5	Up to 31.8	Up to 33.8

** Based on the category of storm on the Saffir-Simpson Hurricane Wind Scale*
*** Surge heights represent the maximum values from selected SLOSH MOMs*

Table IV-17 – 2010 Clearance Times for Base Scenario

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Clearance Time to Shelter					
Alachua County	12.5	12.5	12.5	12.5	12.5
Bradford County	11.5	11.5	11.0	11.5	11.0
Columbia County	12.0	12.0	12.0	12.0	12.5
Dixie County	11.0	11.0	11.0	11.5	11.5
Gilchrist County	11.0	11.0	11.0	11.0	11.0
Hamilton County	7.5	6.5	8.0	7.0	8.0
Lafayette County	10.0	9.5	9.5	9.5	10.5
Madison County	10.5	10.5	11.0	11.0	11.0
Suwannee county	12.0	12.0	12.0	12.0	12.0
Taylor County	11.5	11.5	12.5	12.5	12.0
Union County	11.0	11.0	11.0	11.0	11.0
In-County Clearance Time					
Alachua County	13.0	13.0	13.0	13.0	13.0
Bradford County	13.0	12.5	12.5	12.5	12.5
Columbia County	13.0	13.0	13.0	13.0	13.0
Dixie County	11.5	11.5	11.5	12.5	12.5
Gilchrist County	12.5	12.5	12.5	12.5	12.5
Hamilton County	11.0	11.0	12.5	11.0	11.0
Lafayette County	12.5	11.5	12.0	12.5	12.5
Madison County	12.5	12.5	12.5	12.5	12.5
Suwannee county	13.0	13.0	13.0	13.0	13.0
Taylor County	12.5	12.5	12.5	13.0	13.0
Union County	12.5	12.5	12.5	12.5	12.5
Out of County Clearance Time					
Alachua County	13.5	13.5	14.0	13.5	13.5
Bradford County	12.5	12.5	13.0	12.5	13.0
Columbia County	13.5	13.5	13.5	13.5	13.5
Dixie County	12.0	12.0	12.0	12.5	13.0
Gilchrist County	13.0	13.0	12.5	13.0	13.0
Hamilton County	13.5	13.5	13.5	13.5	13.5
Lafayette County	12.0	12.5	12.0	12.5	12.5
Madison County	13.5	13.5	13.5	13.5	13.5
Suwannee county	13.5	13.5	13.5	13.5	13.5
Taylor County	13.5	13.5	13.0	13.5	13.5
Union County	11.5	11.5	12.0	12.5	12.0
Regional Clearance Time					
North Central	14.0	14.0	14.0	14.0	14.0

Table IV-18 – 2015 Clearance Times for Base Scenario

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Clearance Time to Shelter					
Alachua County	12.5	12.5	12.5	12.5	12.5
Bradford County	11.0	11.5	11.5	11.0	11.5
Columbia County	12.0	12.0	12.0	12.0	12.0
Dixie County	11.0	11.0	11.5	11.5	12.0
Gilchrist County	11.0	11.0	11.0	11.0	11.0
Hamilton County	7.0	10.0	9.5	9.5	7.0
Lafayette County	10.5	10.0	9.0	10.5	9.0
Madison County	11.0	10.0	11.0	11.0	11.0
Suwannee county	12.0	12.0	12.0	12.0	12.0
Taylor County	12.5	12.5	12.0	12.5	13.0
Union County	11.0	11.0	11.0	11.0	11.0
In-County Clearance Time					
Alachua County	13.0	13.0	13.0	13.0	13.0
Bradford County	12.5	12.5	12.5	12.5	12.5
Columbia County	13.0	13.0	13.0	13.0	13.0
Dixie County	11.5	11.5	11.5	11.5	12.5
Gilchrist County	12.5	12.5	12.5	12.5	12.5
Hamilton County	11.0	12.0	11.5	11.5	10.5
Lafayette County	12.5	12.5	11.5	12.5	11.0
Madison County	12.0	11.5	12.5	12.5	12.5
Suwannee county	13.0	13.0	13.0	13.0	13.0
Taylor County	13.0	13.0	12.5	13.0	13.0
Union County	12.5	12.5	12.5	12.5	12.5
Out of County Clearance Time					
Alachua County	13.5	13.5	13.5	13.5	14.0
Bradford County	12.5	13.0	12.5	13.5	13.5
Columbia County	13.5	13.5	13.5	13.5	13.5
Dixie County	12.0	12.0	12.5	12.5	13.0
Gilchrist County	12.5	13.0	13.0	13.0	13.0
Hamilton County	13.5	13.5	13.5	13.5	13.5
Lafayette County	12.5	12.0	12.5	12.5	12.5
Madison County	13.5	13.5	13.5	13.5	13.5
Suwannee county	13.5	13.5	13.5	13.5	13.5
Taylor County	13.5	13.5	13.5	13.5	13.5
Union County	11.5	11.5	12.0	12.5	12.5
Regional Clearance Time					
North Central	14.0	14.0	14.0	14.0	14.0

of mobile home parks are included in the Appendices (Appendices IV- A through IV-K). This data base provided an accurate up-to-date inventory of mobile home/ RV spaces within licensed parks. However, it was necessary to supplement this data with the Census in order to derive an estimated number of occupied residential mobile homes outside of designated parks. (Note: Most mobile homes / RVs are located within the licensed parks given the urban nature of the region.) The estimated and projected mobile home populations were incorporated in the evacuation population analyses.

Table IV-2 Mobile Home/ RV Parks in the North Central Region (2009)

County	# of MH/RV Parks	# of Mobile Homes Spaces	# of RV Unit Spaces	Sum # of Spaces
Alachua	31	2,450	328	2,778
Bradford	18	228	209	437
Columbia	88	1,224	861	2,085
Dixie	16	138	363	501
Gilchrist	8	14	417	431
Hamilton	14	173	187	360
Lafayette	5	-	98	98
Madison	34	423	251	674
Suwannee	22	457	1,036	1,493
Taylor	24	223	491	714
Union	11	267	8	275
Region	271	5,597	4,249	9,846

Source: Florida Department of Health, 2009

neighborhoods should be warned prior to hurricane events that flooding is very probable.

Figure II- 16: North Central Florida FEMA Flood Zones

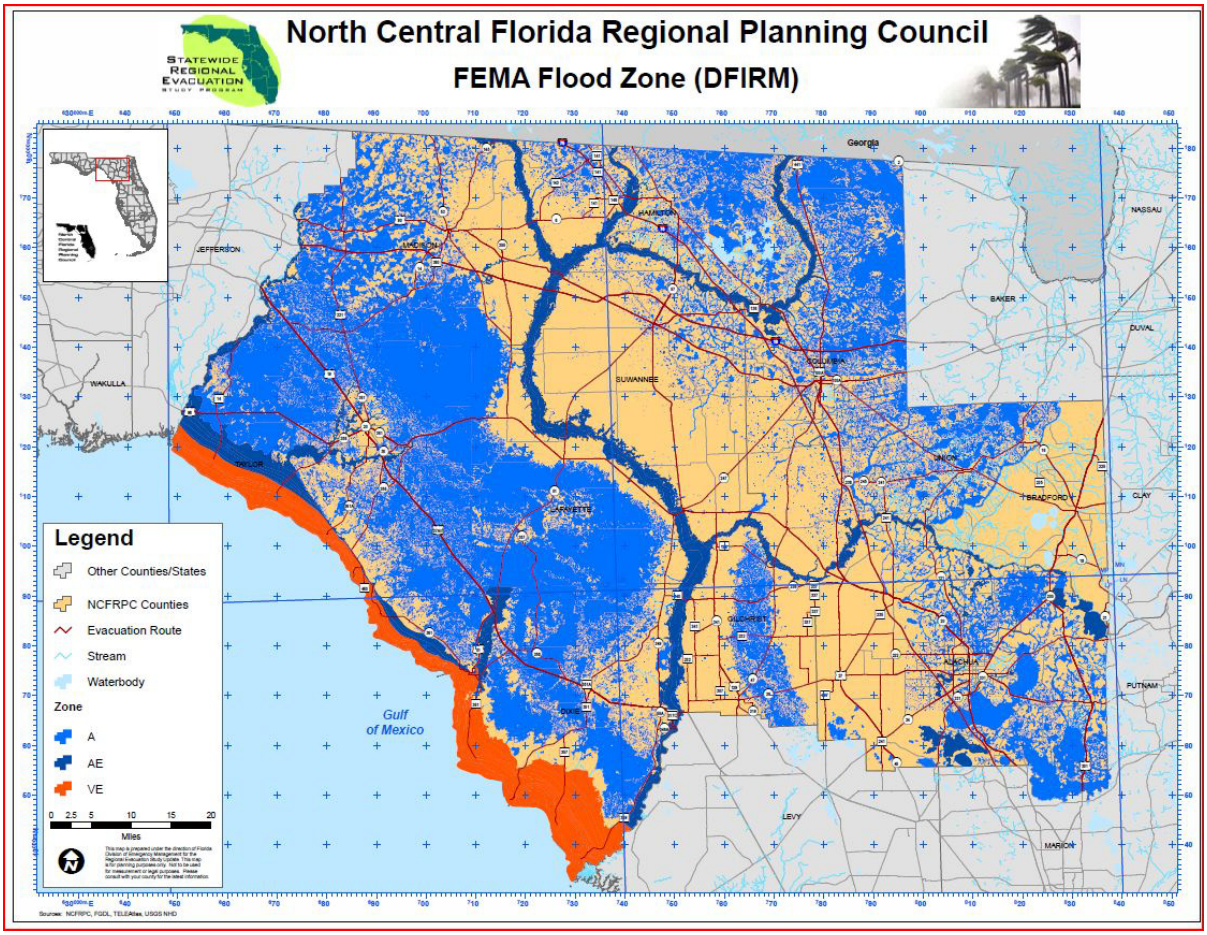
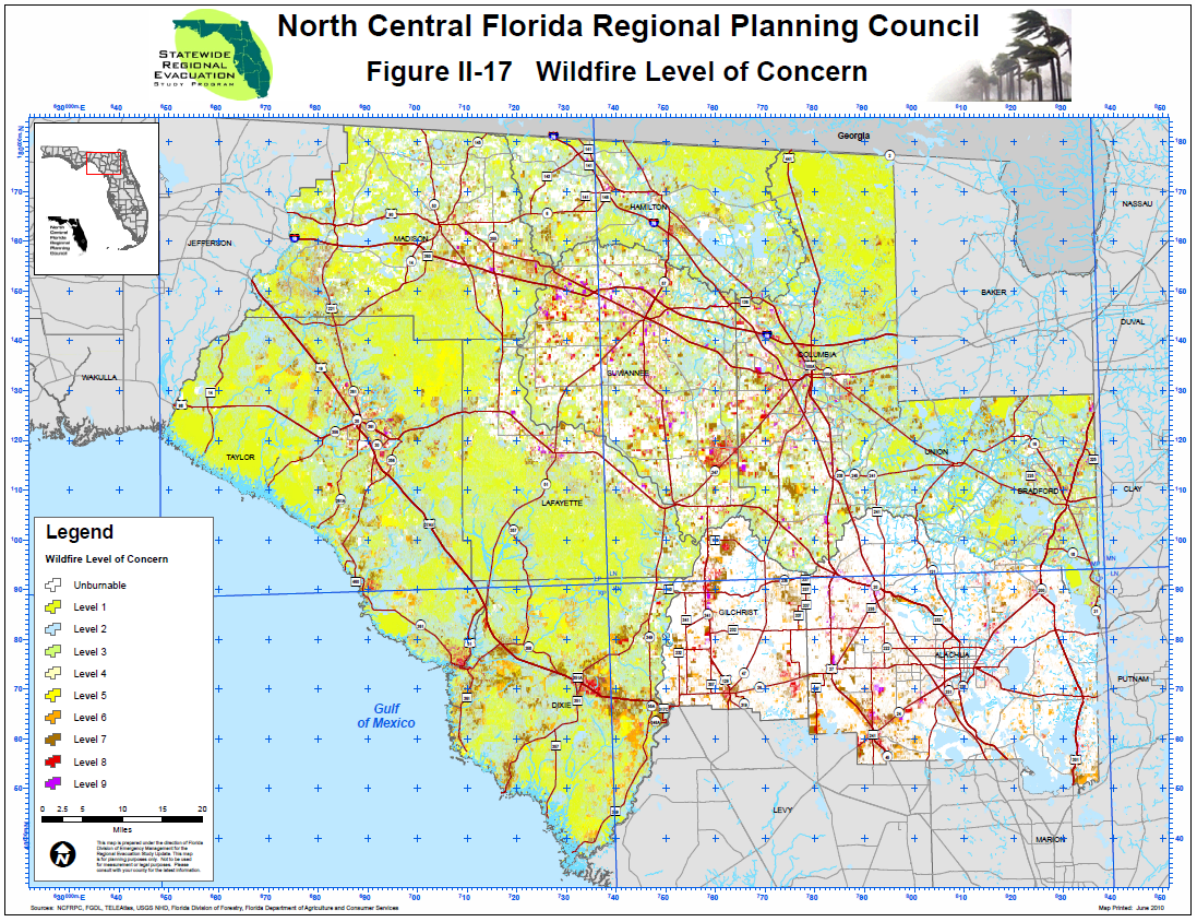
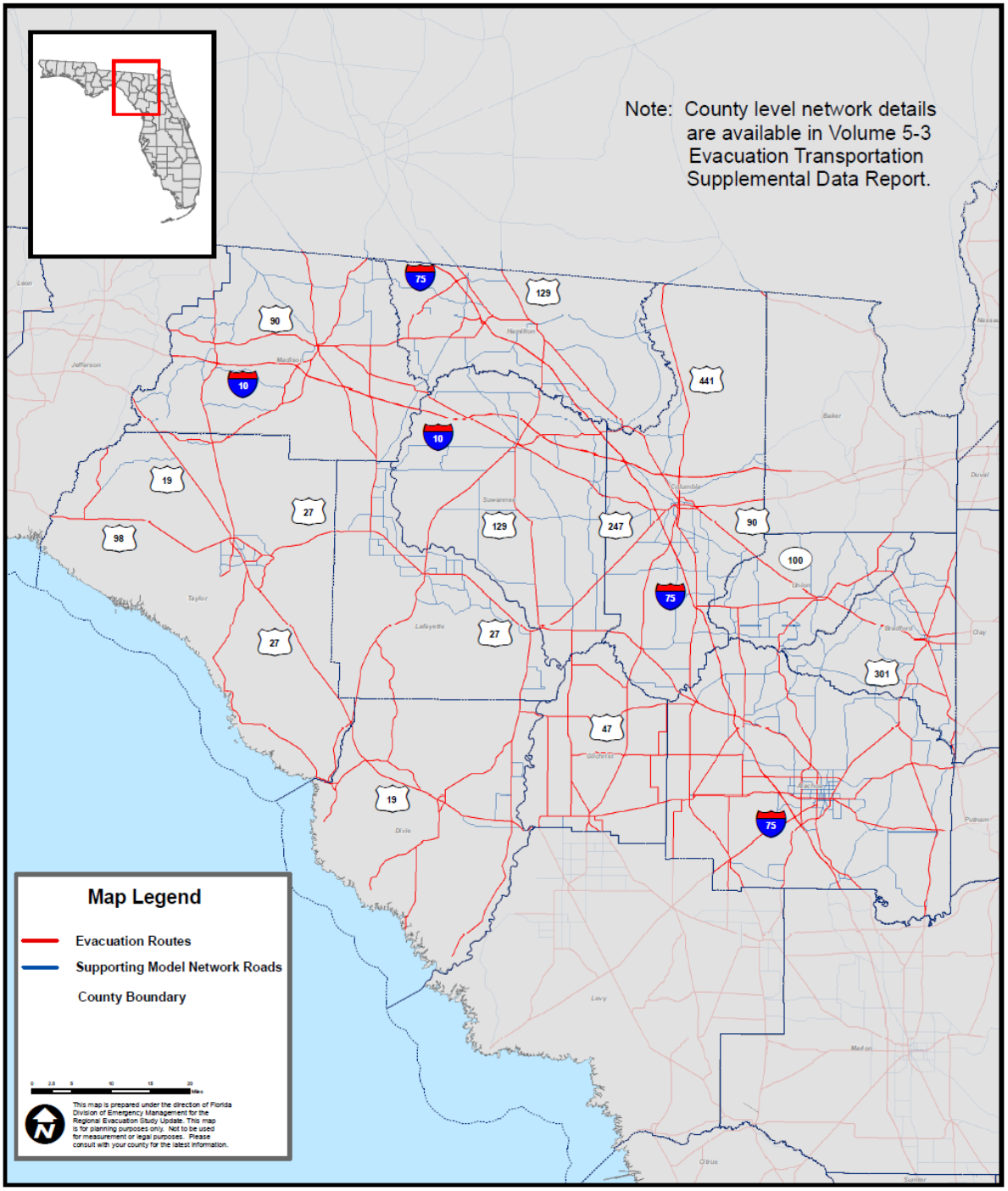


Figure II- 17: Wildfire Level of Concern



Source: http://silvis.forest.wisc.edu/library/WUI_state_download.asp?state=Florida&abrev=FL

Figure VI-2 North Central Florida Regional Model Network



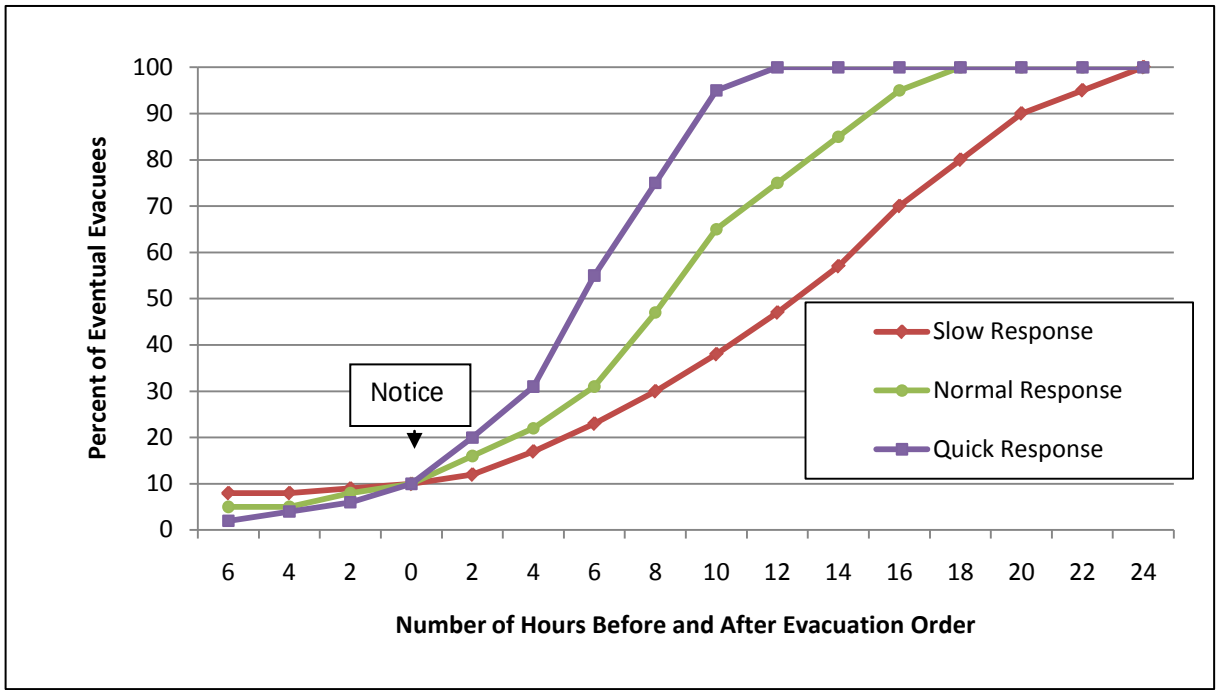
than the second. This sort of evacuation results when evacuation notices are issued earlier than in the first example, but not as early as in the second case.

In all three scenarios evacuees collectively take as much time as they believe is available to them. Perceptions about the urgency of the evacuation account for variations in whether the evacuation is "quick," "slow," or in between ("normal").

b. Response Curves for Planning

The three evacuation timing scenarios described above are depicted graphically in Figure III-3, reflecting the three versions of the letter "S." The slowest of the three curves assumes that evacuation notices were issued at least 24 hours before landfall. The fastest of the three assumes that evacuation notices were issued just 12 hours prior to the anticipated onset of hurricane conditions.

Figure III-3. Response Curves for Evacuation Planning



c. Variations in the Curves

The haste in which evacuees depart is mainly a function of the perceived urgency of leaving sooner rather than later. Variations from storm to storm are usually a function of forecasts. If a forecast changes to indicate that landfall will occur sooner than previously anticipated, more people will

Table III-1 - North Central Florida Demographic Characteristic Summary

County	Characteristic	Year		
		2006	2010	2015
Alachua County	Occupied site-built homes	94,233	97,944	104,323
	Population in site-built homes	202,547	210,539	224,245
	Occupied mobile homes	11,097	11,529	12,279
	Population in mobile home	26,867	27,931	29,750
	Hotel/motel units	9,264	9,264	9,264
Bradford County	Occupied site-built homes	7,370	7,847	8,355
	Population in site-built homes	20,448	21,772	23,149
	Occupied mobile homes	2,944	2,944	2,944
	Population in mobile home	8,067	8,067	8,067
	Hotel/motel units	624	624	624
Columbia County	Occupied site-built homes	15,316	17,274	19,267
	Population in site-built homes	41,455	46,750	52,138
	Occupied mobile homes	8,161	8,161	8,161
	Population in mobile home	22,076	22,076	22,076
	Hotel/motel units	2,677	2,677	2,677
Dixie County	Occupied site-built homes	2,612	3,013	3,490
	Population in site-built homes	8,215	9,476	10,976
	Occupied mobile homes	3,091	3,091	3,091
	Population in mobile home	7,433	7,433	7,433
	Hotel/motel units	233	233	233
Gilchrist County	Occupied site-built homes	3,104	3,764	4,463
	Population in site-built homes	9,158	11,107	13,187
	Occupied mobile homes	2,899	2,899	2,899
	Population in mobile home	7,519	7,519	7,519
	Hotel/motel units	119	119	119
Hamilton County	Occupied site-built homes	3,201	3,387	3,555
	Population in site-built homes	9,274	9,814	10,301
	Occupied mobile homes	1,896	1,896	1,896
	Population in mobile home	5,218	5,218	5,218
	Hotel/motel units	474	474	474
Lafayette County	Occupied site-built homes	1,861	1,980	2,139
	Population in site-built homes	5,752	6,122	6,616
	Occupied mobile homes	863	863	863
	Population in mobile home	2,300	2,300	2,300
	Hotel/motel units	66	66	66

County	Characteristic	Year		
		2006	2010	2015
Madison County	Occupied site-built homes	4,528	4,788	5,071
	Population in site-built homes	12,843	13,578	14,383
	Occupied mobile homes	2,559	2,559	2,559
	Population in mobile home	6,965	6,965	6,965
	Hotel/motel units	492	492	492
Suwannee County	Occupied site-built homes	7,458	9,067	10,386
	Population in site-built homes	21,929	26,668	30,548
	Occupied mobile homes	6,531	6,531	6,531
	Population in mobile home	16,867	16,867	16,867
	Hotel/motel units	558	558	558
Taylor County	Occupied site-built homes	4,593	4,930	5,243
	Population in site-built homes	13,820	14,841	15,801
	Occupied mobile homes	3,046	3,046	3,046
	Population in mobile home	7,613	7,613	7,613
	Hotel/motel units	744	744	744
Union County	Occupied site-built homes	3,750	4,198	4,477
	Population in site-built homes	11,220	12,559	13,391
	Occupied mobile homes	1,887	1,887	1,887
	Population in mobile home	5,170	5,170	5,170
	Hotel/motel units	80	80	80

Source: North Central Florida Regional Planning Council

Table IV-3 Population-at-Risk from Hurricanes by Evacuation Level, 2010

	Evacuation Zone A	Evacuation Zone B	Evacuation Zone C	Evacuation Zone D	Evacuation Zone E
Dixie County per Evacuation Zone					
Site-built Homes	2,157	521	92	1,773	1,043
Mobile/Manuf. Homes	1,099	490	20	1,929	987
TOTAL	3,256	1,011	112	3,702	2,030
Taylor County per Evacuation Zone					
Site-built Homes	1,813	54	119	777	896
Mobile/Manuf. Homes	1,818	47	91	512	537
TOTAL	3,630	101	210	1,288	1,433
Inland Counties Totals					
Alachua	27,931	27,931	27,931	27,931	27,931
Bradford	8,067	8,067	8,067	8,067	8,067
Columbia	22,076	22,076	22,076	22,076	22,076
Gilchrist	7,519	7,519	7,519	7,519	7,519
Hamilton	5,218	5,218	5,218	5,218	5,218
Lafayette	2,300	2,300	2,300	2,300	2,300
Madison	6,965	6,965	6,965	6,965	6,965
Suwannee	16,867	16,867	16,867	16,867	16,867
Union	5,170	5,170	5,170	5,170	5,170

Note: Vulnerable population determined for Dixie and Taylor Counties using SRESP behavioral data and county provided evacuation zones. Vulnerable population numbers are not inclusive, meaning population numbers listed for a higher zone are not included in the lower zone. For example, vulnerable population listed for Evacuation Zone B does not include vulnerable population listed for Evacuation Zone A.

Table IV-6 Population-at-Risk from Hurricanes by Evacuation Level, 2015

	Evacuation Zone A	Evacuation Zone B	Evacuation Zone C	Evacuation Zone D	Evacuation Zone E
Dixie County per Evacuation Zone					
Site-built Homes	2,498	604	107	2,054	1,208
Mobile/Manuf. Homes	1,099	490	20	1,929	987
TOTAL	3,597	1,094	127	3,983	2,195
Taylor County per Evacuation Zone					
Site-built Homes	1,930	57	127	827	954
Mobile/Manuf. Homes	1,818	47	91	512	537
TOTAL	3,748	105	218	1,338	1,491
Inland Counties Totals					
Alachua	27,931	27,931	27,931	27,931	27,931
Bradford	8,067	8,067	8,067	8,067	8,067
Columbia	22,076	22,076	22,076	22,076	22,076
Gilchrist	7,519	7,519	7,519	7,519	7,519
Hamilton	5,218	5,218	5,218	5,218	5,218
Lafayette	2,300	2,300	2,300	2,300	2,300
Madison	6,965	6,965	6,965	6,965	6,965
Suwannee	16,867	16,867	16,867	16,867	16,867
Union	5,170	5,170	5,170	5,170	5,170

Note: Vulnerable population determined for Dixie and Taylor Counties using SRESP behavioral data and county provided evacuation zones. Vulnerable population numbers are not inclusive, meaning population numbers listed for a higher zone are not included in the lower zone. For example, vulnerable population listed for Evacuation Zone B does not include vulnerable population listed for Evacuation Zone A.

Table IV-5 – Vulnerable Shadow Evacuation Population

	Evacuation Level A	Evacuation Level B	Evacuation Level C	Evacuation Level D	Evacuation Level E
2010					
Alachua County	38,577	49,209	70,472	81,104	91,736
Bradford County	9,153	10,241	11,329	13,505	14,594
Columbia County	24,422	26,764	31,447	33,789	36,131
Dixie County	7,423	6,730	7,300	5,579	4,712
Gilchrist County	8,062	8,619	9,175	9,731	10,287
Hamilton County	6,202	6,693	7,183	7,674	8,164
Lafayette County	2,909	2,909	3,215	3,829	4,136
Madison County	8,327	9,006	9,686	10,365	11,045
Suwannee county	18,188	19,520	20,053	22,185	23,518
Taylor County	7,373	7,326	8,604	9,206	9,341
Union County	5,802	6,429	7,056	8,310	8,937
2015					
Alachua County	41,109	52,430	75,072	86,394	97,715
Bradford County	9,223	10,380	11,538	13,853	15,010
Columbia County	24,691	27,302	32,525	35,136	37,747
Dixie County	7,567	6,838	7,502	5,813	4,957
Gilchrist County	8,164	8,822	9,479	10,137	10,795
Hamilton County	6,251	6,766	7,280	7,795	8,310
Lafayette County	2,959	2,959	3,291	3,955	4,287
Madison County	8,407	9,127	9,847	10,566	11,286
Suwannee county	18,383	19,911	20,522	22,967	24,495
Taylor County	7,457	7,409	8,775	9,449	9,627
Union County	5,844	6,512	7,181	8,518	9,186

Note: Vulnerable shadow population determined using SRESP behavioral data and county provided evacuation zones.

Table IV-6 – Base Scenarios

	Scenario 1 Level A 2010	Scenario 2 Level B 2010	Scenario 3 Level C 2010	Scenario 4 Level D 2010	Scenario 5 Level E 2010
Demographic Data	2010	2010	2010	2010	2010
Highway Network	2010	2010	2010	2010	2010
One-Way Operations	None	None	None	None	None
University Population	Fall/Spring	Fall/Spring	Fall/Spring	Fall/Spring	Fall/Spring
Tourist Rate	Default	Default	Default	Default	Default
Shelters Open	Primary	Primary	Primary	Primary	Primary
Response Curve	12-hour	12-hour	12-hour	12-hour	12-hour
Evacuation Phasing	None	None	None	None	None
Behavioral Response	100%	100%	100%	100%	100%
Evacuation Zone	A	B	C	D	E
Counties Evacuating	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Madison Suwannee Taylor Union Levy Jefferson	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Madison Suwannee Taylor Union Levy Jefferson	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Madison Suwannee Taylor Union Levy Jefferson	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Madison Suwannee Taylor Union Levy Jefferson	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Madison Suwannee Taylor Union Levy Jefferson
	Scenario 6 Level A 2015	**Scenario 7 Level B 2015**	**Scenario 8 Level C 2015**	**Scenario 9 Level D 2015**	**Scenario 10 Level E 2015**
Demographic Data	2015	2015	2015	2015	2015
Highway Network	2015	2015	2015	2015	2015
One-Way Operations	None	None	None	None	None
University Population	Fall/Spring	Fall/Spring	Fall/Spring	Fall/Spring	Fall/Spring
Tourist Rate	Default	Default	Default	Default	Default
Shelters Open	Primary	Primary	Primary	Primary	Primary
Response Curve	12-hour	12-hour	12-hour	12-hour	12-hour
Evacuation Phasing	None	None	None	None	None
Behavioral Response	100%	100%	100%	100%	100%
Evacuation Zone	A	B	C	D	E
Counties Evacuating	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Madison Suwannee Taylor Union Levy Jefferson	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Madison Suwannee Taylor Union Levy Jefferson	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Madison Suwannee Taylor Union Levy Jefferson	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Madison Suwannee Taylor Union Levy Jefferson	Alachua Bradford Columbia Dixie Gilchrist Hamilton Lafayette Madison Suwannee Taylor Union Levy Jefferson

Table IV-7 – Evacuating Population by Base Scenario for 2010

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Alachua County					
Site-built Homes	10,632	21,264	42,527	53,159	63,791
Mobile/Manuf. Homes	27,945	27,945	27,945	27,945	27,945
Tourists	0	0	0	0	0
TOTAL	38,577	49,209	70,472	81,104	91,736
Bradford County					
Site-built Homes	1,088	2,176	3,264	5,440	6,529
Mobile/Manuf. Homes	8,065	8,065	8,065	8,065	8,065
Tourists	0	0	0	0	0
TOTAL	9,153	10,241	11,329	13,505	14,594
Columbia County					
Site-built Homes	2,342	4,684	9,367	11,709	14,051
Mobile/Manuf. Homes	22,080	22,080	22,080	22,080	22,080
Tourists	0	0	0	0	0
TOTAL	24,422	26,764	31,447	33,789	36,131
Dixie County					
Site-built Homes	3,084	3,386	4,068	6,049	7,155
Mobile/Manuf. Homes	7,439	7,439	7,439	7,439	7,439
Tourists	156	172	172	172	229
TOTAL	10,679	10,997	11,679	13,660	14,823
Gilchrist County					
Site-built Homes	556	1,113	1,669	2,225	2,781
Mobile/Manuf. Homes	7,506	7,506	7,506	7,506	7,506
Tourists	0	0	0	0	0
TOTAL	8,062	8,619	9,175	9,731	10,287
Hamilton County					
Site-built Homes	981	1,472	1,962	2,453	2,943
Mobile/Manuf. Homes	5,221	5,221	5,221	5,221	5,221
Tourists	0	0	0	0	0
TOTAL	6,202	6,693	7,183	7,674	8,164
Lafayette County					
Site-built Homes	614	614	920	1,534	1,841
Mobile/Manuf. Homes	2,295	2,295	2,295	2,295	2,295
Tourists	0	0	0	0	0
TOTAL	2,909	2,909	3,215	3,829	4,136
Madison County					
Site-built Homes	1,359	2,038	2,718	3,397	4,077
Mobile/Manuf. Homes	6,968	6,968	6,968	6,968	6,968
Tourists	0	0	0	0	0
TOTAL	8,327	9,006	9,686	10,365	11,045

Table IV-7 – Evacuating Population by Base Scenario for 2010

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Suwannee County					
Site-built Homes	1,333	2,665	3,198	5,330	6,663
Mobile/Manuf. Homes	16,855	16,855	16,855	16,855	16,855
Tourists	0	0	0	0	0
TOTAL	18,188	19,520	20,053	22,185	23,518
Taylor County					
Site-built Homes	3,141	3,195	4,683	6,573	8,141
Mobile/Manuf. Homes	7,616	7,616	7,616	7,616	7,616
Tourists	246	246	246	246	246
TOTAL	11,003	11,057	12,545	14,435	16,003
Union County					
Site-built Homes	627	1,254	1,881	3,135	3,762
Mobile/Manuf. Homes	5,175	5,175	5,175	5,175	5,175
Tourists	0	0	0	0	0
TOTAL	5,802	6,429	7,056	8,310	8,937

Table IV-8 – Evacuating Population by Base Scenario for 2015

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Alachua County					
Site-built Homes	11,322	22,643	45,285	56,607	67,928
Mobile/Manuf. Homes	29,787	29,787	29,787	29,787	29,787
Tourists	0	0	0	0	0
TOTAL	41,109	52,430	75,072	86,394	97,715
Bradford County					
Site-built Homes	1,158	2,315	3,473	5,788	6,945
Mobile/Manuf. Homes	8,065	8,065	8,065	8,065	8,065
Tourists	0	0	0	0	0
TOTAL	9,223	10,380	11,538	13,853	15,010
Columbia County					
Site-built Homes	2,611	5,222	10,445	13,056	15,667
Mobile/Manuf. Homes	22,080	22,080	22,080	22,080	22,080
Tourists	0	0	0	0	0
TOTAL	24,691	27,302	32,525	35,136	37,747
Dixie County					
Site-built Homes	3,569	3,918	4,709	7,003	8,285
Mobile/Manuf. Homes	7,439	7,439	7,439	7,439	7,439
Tourists	156	172	172	172	229
TOTAL	11,164	11,529	12,320	14,614	15,953
Gilchrist County					
Site-built Homes	658	1,316	1,973	2,631	3,289
Mobile/Manuf. Homes	7,506	7,506	7,506	7,506	7,506
Tourists	0	0	0	0	0
TOTAL	8,164	8,822	9,479	10,137	10,795
Hamilton County					
Site-built Homes	1,030	1,545	2,059	2,574	3,089
Mobile/Manuf. Homes	5,221	5,221	5,221	5,221	5,221
Tourists	0	0	0	0	0
TOTAL	6,251	6,766	7,280	7,795	8,310
Lafayette County					
Site-built Homes	664	664	996	1,660	1,992
Mobile/Manuf. Homes	2,295	2,295	2,295	2,295	2,295
Tourists	0	0	0	0	0
TOTAL	2,959	2,959	3,291	3,955	4,287
Madison County					
Site-built Homes	1,439	2,159	2,879	3,598	4,318
Mobile/Manuf. Homes	6,968	6,968	6,968	6,968	6,968
Tourists	0	0	0	0	0
TOTAL	8,407	9,127	9,847	10,566	11,286

Table IV-8 – Evacuating Population by Base Scenario for 2015

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Suwannee County					
Site-built Homes	1,528	3,056	3,667	6,112	7,640
Mobile/Manuf. Homes	16,855	16,855	16,855	16,855	16,855
Tourists	0	0	0	0	0
TOTAL	18,383	19,911	20,522	22,967	24,495
Taylor County					
Site-built Homes	3,343	3,400	4,984	6,996	8,665
Mobile/Manuf. Homes	7,616	7,616	7,616	7,616	7,616
Tourists	246	246	246	246	246
TOTAL	11,205	11,262	12,846	14,858	16,527
Union County					
Site-built Homes	669	1,337	2,006	3,343	4,011
Mobile/Manuf. Homes	5,175	5,175	5,175	5,175	5,175
Tourists	0	0	0	0	0
TOTAL	5,844	6,512	7,181	8,518	9,186

Table IV-9 – Evacuating Vehicles by Base Scenario for 2010

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Alachua County					
Site-built Homes	5,659	11,318	22,635	28,293	33,952
Mobile/Manuf. Homes	15,045	15,045	15,045	15,045	15,045
Tourists	0	0	0	0	0
TOTAL	20,704	26,363	37,680	43,338	48,997
Bradford County					
Site-built Homes	502	1,004	1,505	2,509	3,011
Mobile/Manuf. Homes	4,141	4,141	4,141	4,141	4,141
Tourists	0	0	0	0	0
TOTAL	4,643	5,145	5,646	6,650	7,152
Columbia County					
Site-built Homes	1,001	2,003	4,006	5,007	6,009
Mobile/Manuf. Homes	11,383	11,383	11,383	11,383	11,383
Tourists	0	0	0	0	0
TOTAL	12,384	13,386	15,389	16,390	17,392
Dixie County					
Site-built Homes	1,023	1,130	1,387	2,166	2,588
Mobile/Manuf. Homes	4,056	4,056	4,056	4,056	4,056
Tourists	67	75	75	75	100
TOTAL	5,146	5,261	5,518	6,297	6,744
Gilchrist County					
Site-built Homes	254	508	763	1,017	1,271
Mobile/Manuf. Homes	4,171	4,171	4,171	4,171	4,171
Tourists	0	0	0	0	0
TOTAL	4,425	4,679	4,934	5,188	5,442
Hamilton County					
Site-built Homes	370	555	740	925	1,111
Mobile/Manuf. Homes	2,506	2,506	2,506	2,506	2,506
Tourists	0	0	0	0	0
TOTAL	2,876	3,061	3,246	3,431	3,617
Lafayette County					
Site-built Homes	271	271	407	678	814
Mobile/Manuf. Homes	1,256	1,256	1,256	1,256	1,256
Tourists	0	0	0	0	0
TOTAL	1,527	1,527	1,663	1,934	2,070
Madison County					
Site-built Homes	554	831	1,108	1,385	1,662
Mobile/Manuf. Homes	3,405	3,405	3,405	3,405	3,405
Tourists	0	0	0	0	0
TOTAL	3,959	4,236	4,513	4,790	5,067

Table IV-9 – Evacuating Vehicles by Base Scenario for 2010

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Suwannee County					
Site-built Homes	534	1,067	1,281	2,135	2,668
Mobile/Manuf. Homes	8,426	8,426	8,426	8,426	8,426
Tourists	0	0	0	0	0
TOTAL	8,960	9,493	9,707	10,561	11,094
Taylor County					
Site-built Homes	1,459	1,475	2,028	2,719	3,314
Mobile/Manuf. Homes	3,997	3,997	3,997	3,997	3,997
Tourists	107	107	107	107	107
TOTAL	5,563	5,579	6,132	6,823	7,418
Union County					
Site-built Homes	285	571	856	1,427	1,712
Mobile/Manuf. Homes	2,908	2,908	2,908	2,908	2,908
Tourists	0	0	0	0	0
TOTAL	3,193	3,479	3,764	4,335	4,620

Table IV-10 – Evacuating Vehicles by Base Scenario for 2015

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Alachua County					
Site-built Homes	6,023	12,045	24,090	30,112	36,135
Mobile/Manuf. Homes	16,030	16,030	16,030	16,030	16,030
Tourists	0	0	0	0	0
TOTAL	22,053	28,075	40,120	46,142	52,165
Bradford County					
Site-built Homes	534	1,069	1,603	2,672	3,207
Mobile/Manuf. Homes	4,141	4,141	4,141	4,141	4,141
Tourists	0	0	0	0	0
TOTAL	4,675	5,210	5,744	6,813	7,348
Columbia County					
Site-built Homes	1,117	2,234	4,468	5,585	6,702
Mobile/Manuf. Homes	11,383	11,383	11,383	11,383	11,383
Tourists	0	0	0	0	0
TOTAL	12,500	13,617	15,851	16,968	18,085
Dixie County					
Site-built Homes	1,184	1,308	1,606	2,509	2,997
Mobile/Manuf. Homes	4,056	4,056	4,056	4,056	4,056
Tourists	67	75	75	75	100
TOTAL	5,307	5,439	5,737	6,640	7,153
Gilchrist County					
Site-built Homes	300	600	901	1,201	1,501
Mobile/Manuf. Homes	4,171	4,171	4,171	4,171	4,171
Tourists	0	0	0	0	0
TOTAL	4,471	4,771	5,072	5,372	5,672
Hamilton County					
Site-built Homes	389	583	777	972	1,166
Mobile/Manuf. Homes	2,506	2,506	2,506	2,506	2,506
Tourists	0	0	0	0	0
TOTAL	2,895	3,089	3,283	3,478	3,672
Lafayette County					
Site-built Homes	293	293	440	733	879
Mobile/Manuf. Homes	1,256	1,256	1,256	1,256	1,256
Tourists	0	0	0	0	0
TOTAL	1,549	1,549	1,696	1,989	2,135
Madison County					
Site-built Homes	586	879	1,172	1,465	1,758
Mobile/Manuf. Homes	3,405	3,405	3,405	3,405	3,405
Tourists	0	0	0	0	0
TOTAL	3,991	4,284	4,577	4,870	5,163

Table IV-10 – Evacuating Vehicles by Base Scenario for 2015

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Suwannee County					
Site-built Homes	612	1,223	1,468	2,447	3,058
Mobile/Manuf. Homes	8,426	8,426	8,426	8,426	8,426
Tourists	0	0	0	0	0
TOTAL	9,038	9,649	9,894	10,873	11,484
Taylor County					
Site-built Homes	1,544	1,562	2,149	2,884	3,516
Mobile/Manuf. Homes	3,997	3,997	3,997	3,997	3,997
Tourists	107	107	107	107	107
TOTAL	5,648	5,666	6,253	6,988	7,620
Union County					
Site-built Homes	304	609	913	1,521	1,826
Mobile/Manuf. Homes	2,908	2,908	2,908	2,908	2,908
Tourists	0	0	0	0	0
TOTAL	3,212	3,517	3,821	4,429	4,734

Table IV-11 – Shelter Demand by Base Scenario

	Evacuation Level A	Evacuation Level B	Evacuation Level C	Evacuation Level D	Evacuation Level E
2010					
Alachua County	5,744	7,315	10,456	12,027	13,596
Bradford County	1,012	1,104	1,197	1,382	1,476
Columbia County	3,345	3,530	3,900	4,085	4,270
Dixie County	1,273	1,286	1,349	1,552	1,650
Gilchrist County	820	866	914	960	1,006
Hamilton County	797	849	901	953	1,003
Lafayette County	424	424	463	537	574
Madison County	1,067	1,129	1,191	1,252	1,314
Suwannee county	2,457	2,575	2,623	2,812	2,930
Taylor County	1,204	1,208	1,325	1,469	1,595
Union County	616	696	775	932	1,012
2015					
Alachua County	6,120	7,790	11,133	12,804	14,476
Bradford County	1,019	1,117	1,217	1,413	1,513
Columbia County	3,365	3,572	3,985	4,192	4,399
Dixie County	1,295	1,308	1,382	1,617	1,730
Gilchrist County	827	882	940	993	1,049
Hamilton County	803	857	912	964	1,019
Lafayette County	431	431	470	551	592
Madison County	1,075	1,141	1,204	1,269	1,336
Suwannee county	2,473	2,610	2,664	2,882	3,017
Taylor County	1,217	1,219	1,345	1,497	1,630
Union County	622	707	792	960	1,043

Note: Shelter demand is the population in each county who will seek public shelter during their evacuation, either at an in-county shelter or an out of county shelter.

Congested Roadways

Another important component of the transportation analysis is the identification of critical roadway segments for evacuation traffic. This analysis includes a review of vehicle flows during the evacuation period, along with excessive vehicle queues. A summary of the total number of evacuating vehicles for each of the base scenarios is presented in **Table IV-12**. It is important to note that the total number of evacuating vehicles in the table below includes vehicles evacuating from the two coastal counties on either side of the RPC, in addition to the eleven counties within the RPC, for a total of thirteen evacuating counties.

Table IV-12 – Total Evacuating Vehicles for Base Scenarios

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
2010	87,438	96,771	113,741	126,645	138,177
2015	90,623	100,683	118,928	132,908	145,385

The identification of critical roadways in the evacuation network is also important to assist emergency managers with identifying roadways that have the greatest impact on clearance times. Critical roadways were identified by reviewing roadways in the model network that have the highest vehicle queues for extended periods of time during an evacuation. Due to the nature of a major evacuation in general, nearly all roadway facilities will have extended vehicle queues at some point during the evacuation process. The point of this analysis is to identify those roadway facilities that have vehicle queues for the longest time periods during each of the evacuation scenarios. Critical roadway segments for the North Central Florida Region are identified in **Figures IV-1** through **IV-10** for each of the base scenarios for 2010 and 2015.

Through a review of the critical roadway segment figures, it is clear that US 47 in Columbia County, US 129 in Suwannee County, I-75 in several locations including south of the I-75 interchange, and several locations in Alachua County are critical facilities for many of the evacuation scenarios. During the level A evacuation scenarios, the heavily traveled roadways are primarily major Interstate and State Highways. In contrast, for the level E evacuation scenarios, heavily traveled roadways include other roadways within the region.

In addition to the identification of critical roadway segments, the total number of evacuating vehicles entering and exiting each county by evacuation scenario was also determined. Evacuating vehicles exiting each county by major evacuation route are identified in **Table IV-13** for 2010 and **Table IV-14** for 2015. In addition, evacuating vehicles entering each county by major evacuation route are identified in **Table IV-15** for 2010 and **Table IV-16** for 2015. Detailed volume figures for all evacuation routes in the North Central Florida Region for each base scenario are included in Volume 5-3.

The number of vehicles entering and exiting each county during an evacuation varies widely depending upon the scenario, roadway, and county. As expected, major interstates and state highways generally carry larger volumes of evacuating traffic. The vehicle flows into and out of each county also generally follow the same pattern as the critical segment figures, as locations with higher queues and congestion generally have higher traffic volumes.

Table IV-13 – Evacuating Vehicles Leaving Each County by Evacuation Route for the 2010 Base Scenario

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Alachua County					
I-75 Southbound	2,900	3,400	4,800	5,700	6,400
US 301 Northbound	1,300	1,700	2,800	3,400	4,000
I-75 Northbound	6,900	8,200	13,800	16,000	18,000
US 27 Westbound	100	100	200	300	300
Bradford County					
US 301 Southbound	400	400	600	700	700
US 301 Northbound	2,200	2,800	3,900	4,800	5,500
Columbia County					
US 27 Southbound	1,100	1,200	1,400	1,600	1,700
I-75 Southbound	3,000	3,300	3,900	4,300	4,700
I-10 Eastbound	1,600	1,600	1,800	2,000	2,000
US 441 Northbound	300	300	500	800	1,200
I-75 Northbound	11,300	13,100	17,200	19,100	20,600
I-10 Westbound	2,200	2,700	3,900	4,800	5,400
Dixie County					
US 19 Southbound	900	900	1,000	1,300	1,500
US 19 Northbound	900	1,000	1,000	1,200	1,400
Gilchrist County					
US 19 Southbound	400	400	400	600	700
US 19 Northbound	300	400	400	400	400
Hamilton County					
I-75 Southbound	800	800	900	1,000	1,100
I-75 Northbound	15,600	17,500	21,700	24,000	25,900
Lafayette County					
US 27 Eastbound	600	600	700	900	1,000
US 27 Westbound	100	100	300	300	300
Madison County					
I-10 Eastbound	2,900	3,400	4,400	5,200	5,600
I-10 Westbound	500	500	600	700	700
US 19 Westbound	2,000	2,100	2,200	2,500	2,900
Suwannee County					
US 27 Westbound	300	300	400	500	500
US 27 Eastbound	600	600	700	900	1,000
I-10 Eastbound	2,800	3,400	4,600	5,500	6,200
I-75 Southbound	800	800	900	1,000	1,100
I-75 Northbound	12,100	13,900	18,100	20,100	21,800
I-10 Westbound	1,600	1,600	1,800	2,000	2,100
Taylor County					
US 27 Eastbound	1,200	300	300	400	500
US 19 Northbound	2,000	2,100	2,200	2,500	2,900
Union County					
SR 121 Southbound	100	100	100	200	200
SR 121 Northbound	900	1,000	1,300	1,700	2,000

Table IV-14 – Evacuating Vehicles Leaving Each County by Evacuation Route for the 2015 Base Scenario

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Alachua County					
I-75 Southbound	3,000	3,700	5,000	5,800	6,900
US 301 Northbound	100	100	200	200	200
I-75 Northbound	7,400	9,500	14,600	17,100	19,000
US 27 Westbound	100	100	200	300	300
Bradford County					
US 301 Southbound	300	500	500	600	700
US 301 Northbound	2,300	2,900	4,200	5,200	5,800
Columbia County					
US 27 Southbound	1,100	1,100	1,400	1,600	1,700
I-75 Southbound	3,000	3,400	4,000	4,400	4,800
I-10 Eastbound	1,600	1,600	1,800	2,000	2,100
US 441 Northbound	300	400	600	1,000	1,400
I-75 Northbound	11,900	13,800	18,000	19,900	21,500
I-10 Westbound	2,300	2,900	4,300	5,100	5,900
Dixie County					
US 19 Southbound	900	900	1,000	1,400	1,500
US 19 Northbound	1,000	1,000	1,100	1,300	1,500
Gilchrist County					
US 19 Southbound	400	400	400	400	400
US 19 Northbound	300	400	400	600	700
Hamilton County					
I-75 Southbound	600	600	700	700	800
I-75 Northbound	16,200	18,200	22,500	25,000	26,900
Lafayette County					
US 27 Eastbound	1,700	1,700	1,900	2,300	2,600
US 27 Westbound	100	200	300	300	300
Madison County					
I-10 Eastbound	500	600	600	700	800
I-10 Westbound	4,700	3,600	3,000	5,400	6,000
US 19 Westbound	2,100	2,100	2,300	2,700	3,100
Suwannee County					
US 27 Westbound	200	200	300	300	400
US 27 Eastbound	600	600	800	900	1,000
I-10 Eastbound	1,600	1,700	1,900	2,000	2,200
I-75 Southbound	800	900	1,000	1,000	1,100
I-75 Northbound	12,700	14,600	19,000	21,000	22,700
I-10 Westbound	2,800	3,600	5,000	5,900	6,600
Taylor County					
US 27 Eastbound	200	300	300	400	500
US 19 Northbound	2,100	2,100	2,300	2,700	3,100
Union County					
SR 121 Southbound	900	1,000	1,300	200	200
SR 121 Northbound	100	100	100	1,800	2,100

Table IV-15 – Evacuating Vehicles Entering Each County by Evacuation Route for the 2010 Base Scenario

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Alachua County					
US 301 Southbound	400	400	600	700	700
US 27 Southbound	1,100	1,200	1,400	1,600	1,700
I-75 Southbound	3,000	3,300	3,900	4,300	4,700
I-75 Northbound	2,900	3,400	4,800	5,700	6,400
Bradford County					
US 301 Northbound	1,300	1,700	2,800	3,400	4,000
Columbia County					
I-75 Northbound	6,900	8,200	13,800	16,000	18,000
Dixie County					
US 19 Northbound	2,000	2,100	2,200	2,500	2,900
Gilchrist County					
US 19 Southbound	900	900	1,000	1,300	1,500
Hamilton County					
I-75 Northbound	12,100	13,900	18,100	20,100	21,800
Lafayette County					
US 27 Westbound	300	300	400	500	500
US 27 Eastbound	1,200	300	300	400	500
Madison County					
I-10 Westbound	1,600	1,600	1,800	2,000	2,100
US 19 Northbound	2,000	2,100	2,200	2,500	2,900
I-10 Eastbound	100	-	-	-	100
Suwannee County					
I-75 Northbound	6,900	8,200	13,800	16,000	18,000
I-10 Westbound	2,200	2,700	3,900	4,800	5,400
I-75 Southbound	800	800	900	1,000	1,100
US 27 Eastbound	600	600	700	900	1,000
I-10 Eastbound	2,800	3,400	4,600	5,500	6,200
Taylor County					
US 19 Northbound	900	1,000	1,000	1,200	1,400
US 27 Westbound	100	100	300	300	300
Union County					
SR 121 Northbound	200	300	500	700	800

Table IV-16 – Evacuating Vehicles Entering Each County by Evacuation Route for the 2015 Base Scenario

	Evacuation Level A Base Scenario	Evacuation Level B Base Scenario	Evacuation Level C Base Scenario	Evacuation Level D Base Scenario	Evacuation Level E Base Scenario
Alachua County					
US 301 Southbound	300	500	500	600	700
US 27 Southbound	1,100	1,100	1,400	1,600	1,700
I-75 Southbound	3,000	3,400	4,000	4,400	4,800
I-75 Northbound	-	-	-	-	-
Bradford County					
US 301 Northbound	100	100	200	200	200
Columbia County					
I-75 Northbound	7,400	9,500	14,600	17,100	19,000
Dixie County					
US 19 Northbound	300	400	400	600	700
Gilchrist County					
US 19 Southbound	900	900	1,000	1,400	1,500
Hamilton County					
I-75 Northbound	12,700	14,600	19,000	21,000	22,700
Lafayette County					
US 27 Westbound	200	200	300	300	400
US 27 Eastbound	200	300	300	400	500
Madison County					
I-10 Westbound	2,800	3,600	5,000	5,900	6,600
US 19 Northbound	2,100	2,100	2,300	2,700	3,100
I-10 Eastbound	100	100	100	100	100
Suwannee County					
I-75 Northbound	11,900	13,800	18,000	19,900	21,500
I-10 Westbound	2,300	2,900	4,300	5,100	5,900
I-75 Southbound	600	600	700	25,000	26,900
US 27 Eastbound	1,700	1,700	1,900	2,300	2,600
I-10 Eastbound	500	600	600	700	800
Taylor County					
US 19 Northbound	1,000	1,000	1,100	1,300	1,500
US 27 Westbound	100	200	300	300	300
Union County					
SR 121 Northbound	300	300	500	700	900

Table IV-19 – Operational Scenarios

	Scenario 1 Level A 2010	Scenario 2 Level B 2010	Scenario 3 Level C 2010	Scenario 4 Level D 2010	Scenario 5 Level E 2010
Demographic Data	2010	2010	2010	2010	2010
Highway Network	2010	2010	2010	2010	2010
One-Way Operations	None	None	None	None	None
University Population	Default	Default	Default	Default	Default
Tourist Rate	Default	Default	Default	Default	Default
Shelters Open	Primary	Primary	Primary	Primary	Primary
Response Curve	12-hour	12-hour	12-hour	12-hour	9-hour
Evacuation Phasing	None	None	None	None	None
Behavioral Response	Planning	Planning	Planning	Planning	Planning
Evacuation Zone	A	B except as noted below	C except as noted below	D except as noted below	E except as noted below
Counties Evacuating	Hillsborough Pasco Pinellas Levy Hernando Citrus Dixie Taylor Gilchrist Lafayette Madison Jefferson	Wakulla Leon Jefferson Taylor Dixie Madison Lafayette (A) Gilchrist (A) Hamilton (A) Suwannee (A)	Duval St. Johns Flagler Volusia Nassau Clay (B) Putnam (B) Baker (A) Union (A) Bradford (A) Alachua (A) Columbia (A)	Hillsborough Pasco Pinellas Hernando (C) Citrus (C) Sumter (B) Polk (B) Marion (B) Levy (B) Dixie (A) Taylor (A) Gilchrist (A) Lafayette (A) Alachua (A) Suwannee (A) Hamilton (A) Columbia (A)	Dixie Taylor Levy Citrus Jefferson (C) Wakulla (C) Hernando (D) Pasco (C) Pinellas (B) Hillsborough (B) Sumter (B) Marion (C) Alachua (C) Gilchrist (C) Lafayette (D) Madison (A) Hamilton (A) Suwannee (A) Columbia (A) Union (A) Leon (B) Bradford (A) Baker (A)

Table IV-19 – Operational Scenarios

	Scenario 6 Level A 2015	Scenario 7 Level B 2015	Scenario 8 Level C 2015	Scenario 9 Level D 2015	Scenario 10 Level E 2015
Demographic Data	2015	2015	2015	2015	2015
Highway Network	2015	2015	2015	2015	2015
One-Way Operations	None	None	None	None	None
University Population	Default	Default	Default	Default	Default
Tourist Rate	Default	Default	Default	Default	Default
Shelters Open	Primary	Primary	Primary	Primary	Primary
Response Curve	12-hour	12-hour	12-hour	12-hour	18-hour
Evacuation Phasing	None	None	None	None	None
Behavioral Response	Planning	Planning	Planning	Planning	Planning
Evacuation Zone	A	B except as noted below	C except as noted below	D except as noted below	E except as noted below
Counties Evacuating	Duval St. Johns Flagler Volusia Nassau Clay Putnam Baker Union Bradford Alachua	Hillsborough Pasco Pinellas Hernando (A) Citrus (A) Levy (A) Dixie (A) Taylor (A)	Wakulla Leon Jefferson Taylor Dixie Madison Lafayette (B) Gilchrist (B) Hamilton (B) Suwannee (B) Levy (A)	Duval St. Johns Flagler Volusia Nassau Clay (C) Putnam (C) Baker (B) Union (B) Bradford (B) Alachua (B) Columbia (A) Hamilton (A) Suwannee (A) Gilchrist (A) Dixie (A) Lafayette (A) Taylor (A) Madison (A)	Dixie Taylor Levy Citrus Jefferson (C) Wakulla (C) Hernando (D) Pasco (C) Pinellas (B) Hillsborough (B) Sumter (B) Marion (C) Alachua (C) Gilchrist (C) Lafayette (D) Madison (A) Hamilton (A) Suwannee (A) Columbia (A) Union (A) Leon (B) Bradford (A) Baker (A)

Table IV-20 – Evacuating Population by Operational Scenario for 2010

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Alachua County					
Site-built Homes	0	0	10,632	10,632	42,527
Mobile/Manuf. Homes	0	0	16,767	16,767	20,959
Tourists	0	0	0	0	0
TOTAL	0	0	27,399	27,399	63,486
Bradford County					
Site-built Homes	0	0	1,088	0	1,088
Mobile/Manuf. Homes	0	0	4,033	0	4,033
Tourists	0	0	0	0	0
TOTAL	0	0	5,121	0	5,121
Columbia County					
Site-built Homes	0	0	2,342	2,342	2,342
Mobile/Manuf. Homes	0	0	13,248	13,248	13,248
Tourists	0	0	0	0	0
TOTAL	0	0	15,590	15,590	15,590
Dixie County					
Site-built Homes	2,219	2,554	0	2,219	6,406
Mobile/Manuf. Homes	4,769	5,221	0	4,769	7,001
Tourists	156	172	0	156	229
TOTAL	7,144	7,947	0	7,144	13,636
Gilchrist County					
Site-built Homes	556	556	0	556	1,669
Mobile/Manuf. Homes	4,129	4,129	0	4,129	5,630
Tourists	0	0	0	0	0
TOTAL	4,685	4,685	0	4,685	7,299
Hamilton County					
Site-built Homes	0	981	0	981	981
Mobile/Manuf. Homes	0	2,872	0	2,872	2,872
Tourists	0	0	0	0	0
TOTAL	0	3,853	0	3,853	3,853
Lafayette County					
Site-built Homes	614	614	0	614	1,534
Mobile/Manuf. Homes	1,262	1,262	0	1,262	1,950
Tourists	0	0	0	0	0
TOTAL	1,876	1,876	0	1,876	3,484
Madison County					
Site-built Homes	1,359	2,038	0	0	1,359
Mobile/Manuf. Homes	3,833	4,181	0	0	3,833
Tourists	0	0	0	0	0
TOTAL	5,192	6,219	0	0	5,192

Table IV-20 – Evacuating Population by Operational Scenario for 2010

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Suwannee County					
Site-built Homes	0	1,333	0	1,333	1,333
Mobile/Manuf. Homes	0	9,270	0	9,270	9,270
Tourists	0	0	0	0	0
TOTAL	0	10,603	0	10,603	10,603
Taylor County					
Site-built Homes	2,416	2,632	0	2,416	7,646
Mobile/Manuf. Homes	4,814	5,288	0	4,814	7,098
Tourists	246	246	0	246	246
TOTAL	7,476	8,166	0	7,476	14,990
Union County					
Site-built Homes	0	0	627	0	627
Mobile/Manuf. Homes	0	0	3,105	0	3,105
Tourists	0	0	0	0	0
TOTAL	0	0	3,732	0	3,732

Table IV-21 – Evacuating Population by Operational Scenario for 2015

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Alachua County					
Site-built Homes	11,322	0	0	22,643	45,285
Mobile/Manuf. Homes	17,872	0	0	19,362	22,340
Tourists	0	0	0	0	0
TOTAL	29,194	0	0	42,005	67,625
Bradford County					
Site-built Homes	1,158	0	0	2,315	1,158
Mobile/Manuf. Homes	4,033	0	0	4,033	4,033
Tourists	0	0	0	0	0
TOTAL	5,191	0	0	6,348	5,191
Columbia County					
Site-built Homes	0	0	0	2,611	2,611
Mobile/Manuf. Homes	0	0	0	13,248	13,248
Tourists	0	0	0	0	0
TOTAL	0	0	0	15,859	15,859
Dixie County					
Site-built Homes	0	2,568	4,175	2,568	7,418
Mobile/Manuf. Homes	0	4,769	5,690	4,769	7,001
Tourists	0	156	172	156	229
TOTAL	0	7,493	10,037	7,493	14,648
Gilchrist County					
Site-built Homes	0	0	1,316	658	1,973
Mobile/Manuf. Homes	0	0	4,504	4,129	5,630
Tourists	0	0	0	0	0
TOTAL	0	0	5,820	4,787	7,603
Hamilton County					
Site-built Homes	0	0	1,545	1,030	1,030
Mobile/Manuf. Homes	0	0	3,133	2,872	2,872
Tourists	0	0	0	0	0
TOTAL	0	0	4,678	3,902	3,902
Lafayette County					
Site-built Homes	0	0	664	664	1,660
Mobile/Manuf. Homes	0	0	1,377	1,262	1,950
Tourists	0	0	0	0	0
TOTAL	0	0	2,041	1,926	3,610
Madison County					
Site-built Homes	0	0	2,879	1,439	1,439
Mobile/Manuf. Homes	0	0	4,878	3,833	3,833
Tourists	0	0	0	0	0
TOTAL	0	0	7,757	5,272	5,272

Table IV-21 – Evacuating Population by Operational Scenario for 2015

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Suwannee County					
Site-built Homes	0	0	3,056	1,528	1,528
Mobile/Manuf. Homes	0	0	10,113	9,270	9,270
Tourists	0	0	0	0	0
TOTAL	0	0	13,169	10,798	10,798
Taylor County					
Site-built Homes	0	2,572	4,652	2,572	8,139
Mobile/Manuf. Homes	0	4,814	5,699	4,814	7,098
Tourists	0	246	246	246	246
TOTAL	0	7,632	10,597	7,632	15,483
Union County					
Site-built Homes	669	0	0	1,337	669
Mobile/Manuf. Homes	3,105	0	0	3,364	3,105
Tourists	0	0	0	0	0
TOTAL	3,774	0	0	4,701	3,774

Table IV-22 – Evacuating Vehicles by Operational Scenario for 2010

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Alachua County					
Site-built Homes	0	0	5,659	5,659	22,635
Mobile/Manuf. Homes	0	0	9,027	9,027	11,283
Tourists	0	0	0	0	0
TOTAL	0	0	14,686	14,686	33,918
Bradford County					
Site-built Homes	0	0	502	0	502
Mobile/Manuf. Homes	0	0	2,070	0	2,070
Tourists	0	0	0	0	0
TOTAL	0	0	2,572	0	2,572
Columbia County					
Site-built Homes	0	0	1,001	1,001	1,001
Mobile/Manuf. Homes	0	0	6,830	6,830	6,830
Tourists	0	0	0	0	0
TOTAL	0	0	7,831	7,831	7,831
Dixie County					
Site-built Homes	754	863	0	754	2,313
Mobile/Manuf. Homes	2,606	2,855	0	2,606	3,823
Tourists	67	75	0	67	100
TOTAL	3,427	3,793	0	3,427	6,236
Gilchrist County					
Site-built Homes	254	254	0	254	763
Mobile/Manuf. Homes	2,294	2,294	0	2,294	3,128
Tourists	0	0	0	0	0
TOTAL	2,548	2,548	0	2,548	3,891
Hamilton County					
Site-built Homes	0	370	0	370	370
Mobile/Manuf. Homes	0	1,378	0	1,378	1,378
Tourists	0	0	0	0	0
TOTAL	0	1,748	0	1,748	1,748
Lafayette County					
Site-built Homes	271	271	0	271	678
Mobile/Manuf. Homes	691	691	0	691	1,067
Tourists	0	0	0	0	0
TOTAL	962	962	0	962	1,745
Madison County					
Site-built Homes	554	831	0	0	554
Mobile/Manuf. Homes	1,873	2,043	0	0	1,873
Tourists	0	0	0	0	0
TOTAL	2,427	2,874	0	0	2,427

Table IV-22 – Evacuating Vehicles by Operational Scenario for 2010

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Suwannee County					
Site-built Homes	0	534	0	534	534
Mobile/Manuf. Homes	0	4,634	0	4,634	4,634
Tourists	0	0	0	0	0
TOTAL	0	5,168	0	5,168	5,168
Taylor County					
Site-built Homes	1,074	1,181	0	1,074	3,119
Mobile/Manuf. Homes	2,548	2,808	0	2,548	3,747
Tourists	107	107	0	107	107
TOTAL	3,729	4,096	0	3,729	6,973
Union County					
Site-built Homes	0	0	285	0	285
Mobile/Manuf. Homes	0	0	1,745	0	1,745
Tourists	0	0	0	0	0
TOTAL	0	0	2,030	0	2,030

Table IV-23 – Evacuating Vehicles by Operational Scenario for 2015

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Alachua County					
Site-built Homes	6,023	0	0	12,045	24,090
Mobile/Manuf. Homes	9,618	0	0	10,419	12,022
Tourists	0	0	0	0	0
TOTAL	15,641	0	0	22,464	36,112
Bradford County					
Site-built Homes	534	0	0	1,069	534
Mobile/Manuf. Homes	2,070	0	0	2,070	2,070
Tourists	0	0	0	0	0
TOTAL	2,604	0	0	3,139	2,604
Columbia County					
Site-built Homes	0	0	0	1,117	1,117
Mobile/Manuf. Homes	0	0	0	6,830	6,830
Tourists	0	0	0	0	0
TOTAL	0	0	0	7,947	7,947
Dixie County					
Site-built Homes	0	873	1,436	873	2,678
Mobile/Manuf. Homes	0	2,606	3,110	2,606	3,823
Tourists	0	67	75	67	100
TOTAL	0	3,546	4,621	3,546	6,601
Gilchrist County					
Site-built Homes	0	0	600	300	901
Mobile/Manuf. Homes	0	0	2,503	2,294	3,128
Tourists	0	0	0	0	0
TOTAL	0	0	3,103	2,594	4,029
Hamilton County					
Site-built Homes	0	0	583	389	389
Mobile/Manuf. Homes	0	0	1,503	1,378	1,378
Tourists	0	0	0	0	0
TOTAL	0	0	2,086	1,767	1,767
Lafayette County					
Site-built Homes	0	0	293	293	733
Mobile/Manuf. Homes	0	0	753	691	1,067
Tourists	0	0	0	0	0
TOTAL	0	0	1,046	984	1,800
Madison County					
Site-built Homes	0	0	1,172	586	586
Mobile/Manuf. Homes	0	0	2,384	1,873	1,873
Tourists	0	0	0	0	0
TOTAL	0	0	3,556	2,459	2,459

Table IV-23 – Evacuating Vehicles by Operational Scenario for 2015

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Suwannee County					
Site-built Homes	0	0	1,223	612	612
Mobile/Manuf. Homes	0	0	5,056	4,634	4,634
Tourists	0	0	0	0	0
TOTAL	0	0	6,279	5,246	5,246
Taylor County					
Site-built Homes	0	1,138	1,983	1,138	3,309
Mobile/Manuf. Homes	0	2,548	3,025	2,548	3,747
Tourists	0	107	107	107	107
TOTAL	0	3,793	5,115	3,793	7,163
Union County					
Site-built Homes	304	0	0	609	304
Mobile/Manuf. Homes	1,745	0	0	1,890	1,745
Tourists	0	0	0	0	0
TOTAL	2,049	0	0	2,499	2,049

Table IV-24 – Shelter Demand by Operational Scenario

	Evacuation Level A	Evacuation Level B	Evacuation Level C	Evacuation Level D	Evacuation Level E
2010					
Alachua County	0	0	4,076	4,076	9,413
Bradford County	0	0	553	0	553
Columbia County	0	0	2,081	2,081	2,081
Dixie County	845	923	0	845	1,519
Gilchrist County	472	472	0	472	720
Hamilton County	0	485	0	485	485
Lafayette County	268	268	0	268	485
Madison County	642	751	0	0	642
Suwannee county	0	1,404	0	1,404	1,404
Taylor County	801	873	0	801	1,493
Union County	0	0	401	0	401
2015					
Alachua County	4,340	0	0	6,235	10,021
Bradford County	559	0	0	657	559
Columbia County	0	0	0	2,102	2,102
Dixie County	0	860	1,103	860	1,589
Gilchrist County	0	0	574	481	746
Hamilton County	0	0	579	490	490
Lafayette County	0	0	290	274	500
Madison County	0	0	921	651	651
Suwannee county	0	0	1,674	1,423	1,423
Taylor County	0	810	1,075	810	1,528
Union County	407	0	0	518	407

Note: Shelter demand is the population in each county who will seek public shelter during their evacuation, either at an in-county shelter or an out of county shelter.

Table IV-26 – Evacuating Vehicles Leaving Each County by Evacuation Route for the 2010 Operational Scenarios

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Alachua County					
I-75 Southbound	200	600	1,600	1,300	3,100
US 301 Northbound	4,200	-	200	14,400	8,600
I-75 Northbound	34,000	100	23,900	88,200	54,200
US 27 Westbound	-	-	300	700	2,200
Bradford County					
US 301 Southbound	-	-	4,100	-	200
US 301 Northbound	4,000	-	400	15,100	10,400
Columbia County					
US 27 Southbound	200	300	400	700	1,100
I-75 Southbound	100	1,000	1,000	1,600	2,300
I-10 Eastbound	300	800	200	600	900
US 441 Northbound	700	-	5,000	6,500	6,300
I-75 Northbound	34,600	800	35,100	77,500	48,200
I-10 Westbound	2,700	-	21,000	13,200	11,700
Dixie County					
US 19 Southbound	400	500	-	600	1,500
US 19 Northbound	5,100	500	-	12,100	11,900
Gilchrist County					
US 19 Southbound	200	300	-	200	700
US 19 Northbound	4,900	-	200	13,200	14,000
Hamilton County					
I-75 Southbound	100	200	-	200	300
I-75 Northbound	35,400	3,500	36,500	83,300	56,100
Lafayette County					
US 27 Eastbound	1,200	1,200	-	2,300	4,300
US 27 Westbound	-	-	400	200	200
Madison County					
I-10 Eastbound	200	700	-	-	800
I-10 Westbound	2,800	700	18,400	13,000	10,000
US 19 Westbound	-	-	-	-	-
Suwannee County					
US 27 Westbound	-	100	400	300	300
US 27 Eastbound	200	300	-	400	800
I-10 Eastbound	300	1,300	-	700	1,500
I-75 Southbound	100	300	-	300	400
I-75 Northbound	34,700	1,100	36,400	79,200	51,600
I-10 Westbound	2,700	300	19,200	13,800	11,500
Taylor County					
US 27 Eastbound	200	200	-	200	500
US 19 Northbound	5,900	1,400	-	11,600	11,900
Union County					
SR 121 Southbound	-	-	500	-	100
SR 121 Northbound	-	-	1,700	1,900	4,200

Table IV-27 – Evacuating Vehicles Leaving Each County by Evacuation Route for the 2015 Operational Scenarios

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Alachua County					
I-75 Southbound	800	-	1,000	3,700	3,500
US 301 Northbound	300	6,100	200	700	15,200
I-75 Northbound	11,800	44,600	1,300	45,300	69,300
US 27 Westbound	100	-	-	1,000	600
Bradford County					
US 301 Southbound	4,000	-	-	5,800	200
US 301 Northbound	500	6,000	100	1,400	16,700
Columbia County					
US 27 Southbound	-	100	400	700	1,100
I-75 Southbound	-	-	1,500	1,800	2,300
I-10 Eastbound	-	100	1,200	700	1,100
US 441 Northbound	1,800	1,100	-	7,600	6,400
I-75 Northbound	20,000	43,600	3,100	85,200	61,700
I-10 Westbound	13,200	4,200	200	34,600	12,400
Dixie County					
US 19 Southbound	-	400	700	600	1,500
US 19 Northbound	-	6,000	600	700	8,900
Gilchrist County					
US 19 Southbound	-	200	400	200	600
US 19 Northbound	100	5,800	200	500	9,500
Hamilton County					
I-75 Southbound	-	-	300	300	300
I-75 Northbound	20,600	44,100	6,300	63,400	67,500
Lafayette County					
US 27 Eastbound	-	1,000	1,600	1,100	3,500
US 27 Westbound	200	-	-	800	200
Madison County					
I-10 Eastbound	-	-	1,300	200	900
I-10 Westbound	12,200	3,900	900	30,300	11,100
US 19 Westbound	-	6,100	1,800	1,300	9,900
Suwannee County					
US 27 Westbound	200	-	-	400	800
US 27 Eastbound	-	100	400	900	300
I-10 Eastbound	-	100	2,000	900	1,600
I-75 Southbound	-	-	500	400	500
I-75 Northbound	20,900	43,600	3,300	62,300	64,300
I-10 Westbound	12,700	4,100	500	32,200	12,600
Taylor County					
US 27 Eastbound	-	200	300	200	500
US 19 Northbound	-	6,100	1,800	1,300	9,900
Union County					
SR 121 Southbound	500	-	-	800	100
SR 121 Northbound	500	100	-	6,300	2,900

Table IV-28 – Evacuating Vehicles Entering Each County by Evacuation Route for the 2010 Operational Scenarios

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Alachua County					
US 301 Southbound	-	-	4,100	-	200
US 27 Southbound	200	300	400	700	1,100
I-75 Southbound	100	1,000	1,000	1,600	2,300
I-75 Northbound	29,400	-	15,500	83,000	53,400
Bradford County					
US 301 Northbound	4,200	-	200	14,400	1,600
Columbia County					
I-75 Northbound	34,000	100	23,900	88,200	54,200
Dixie County					
US 19 Northbound	4,900	-	200	13,200	14,000
Gilchrist County					
US 19 Southbound	400	500	-	600	1,500
Hamilton County					
I-75 Northbound	34,700	1,100	36,400	79,200	51,600
Lafayette County					
US 27 Westbound	-	100	400	300	300
US 27 Eastbound	200	200	-	200	500
Madison County					
I-10 Westbound	2,700	300	19,200	13,800	11,500
US 19 Northbound	5,900	1,400	-	11,600	11,900
I-10 Eastbound	-	400	-	-	500
Suwannee County					
I-75 Northbound	34,600	800	35,100	77,500	48,200
I-10 Westbound	2,700	-	21,000	13,200	11,700
I-75 Southbound	100	200	-	200	300
US 27 Eastbound	1,200	1,200	-	2,300	4,300
I-10 Eastbound	200	700	-	-	800
Taylor County					
US 19 Northbound	5,100	500	-	12,100	11,900
US 27 Westbound	-	-	400	200	200
Union County					
SR 121 Northbound	100	-	100	700	3,300

Table IV-29 – Evacuating Vehicles Entering Each County by Evacuation Route for the 2015 Operational Scenarios

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Alachua County					
US 301 Southbound	4,000	-	-	5,800	200
US 27 Southbound	-	100	400	700	1,100
I-75 Southbound	-	-	1,500	1,800	2,300
I-75 Northbound	5,200	39,600	-	32,700	58,800
Bradford County					
US 301 Northbound	300	6,100	200	700	15,200
Columbia County					
I-75 Northbound	11,800	44,600	1,300	45,300	69,300
Dixie County					
US 19 Northbound	100	5,800	200	500	9,500
Gilchrist County					
US 19 Southbound	-	400	700	600	1,500
Hamilton County					
I-75 Northbound	20,900	43,600	3,300	62,300	64,300
Lafayette County					
US 27 Westbound	200	-	-	400	800
US 27 Eastbound	-	200	300	200	500
Madison County					
I-10 Westbound	12,700	4,100	500	32,200	12,600
US 19 Northbound	-	6,100	1,800	1,300	9,900
I-10 Eastbound	-	-	1,000	-	700
Suwannee County					
I-75 Northbound	20,000	43,600	3,100	85,200	61,700
I-10 Westbound	13,200	4,200	200	34,600	12,400
I-75 Southbound	-	-	300	300	300
US 27 Eastbound	-	1,000	1,600	1,100	3,500
I-10 Eastbound	-	-	1,300	200	900
Taylor County					
US 19 Northbound	-	6,000	600	700	8,900
US 27 Westbound	200	-	-	800	200
Union County					
SR 121 Northbound	100	100	100	200	1,300

Table IV-30 – 2010 Clearance Times for Operational Scenarios

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Clearance Time to Shelter					
Alachua County	0.0	0.0	12.0	12.0	9.5
Bradford County	0.0	0.0	10.5	0.0	9.0
Columbia County	0.0	0.0	11.0	11.0	9.0
Dixie County	11.0	11.0	0.0	11.0	9.5
Gilchrist County	6.5	7.5	0.0	6.0	9.0
Hamilton County	0.0	4.5	0.0	2.5	5.0
Lafayette County	5.0	6.5	0.0	7.0	8.5
Madison County	9.0	9.5	0.0	0.0	7.0
Suwannee county	0.0	11.0	1.5	11.5	8.5
Taylor County	11.5	12.0	0.0	11.5	9.5
Union County	0.0	0.0	9.5	0.0	8.5
In-County Clearance Time					
Alachua County	0.0	0.0	13.0	13.0	10.0
Bradford County	0.0	0.0	12.5	0.0	9.5
Columbia County	0.0	0.0	12.5	12.5	9.5
Dixie County	14.0	11.0	0.0	22.0	21.5
Gilchrist County	11.0	10.5	0.0	10.5	9.5
Hamilton County	0.0	10.0	0.0	9.5	8.5
Lafayette County	10.5	11.0	0.0	11.0	9.5
Madison County	11.5	11.5	0.0	0.0	9.5
Suwannee county	0.0	13.0	9.0	13.0	9.5
Taylor County	15.0	12.0	0.0	21.5	21.5
Union County	0.0	0.0	12.0	0.0	9.5
Out of County Clearance Time					
Alachua County	15.0	12.0	18.5	33.5	25.0
Bradford County	14.0	0.5	17.0	32.5	24.5
Columbia County	16.0	12.0	22.5	33.5	26.0
Dixie County	14.5	11.5	0.5	22.5	21.5
Gilchrist County	14.5	11.5	7.0	20.5	15.5
Hamilton County	15.5	13.0	20.0	34.5	25.5
Lafayette County	13.0	12.0	13.0	19.5	15.5
Madison County	16.0	13.0	22.0	33.5	26.5
Suwannee county	16.0	13.0	22.5	34.0	26.0
Taylor County	15.5	12.5	13.5	23.5	25.5
Union County	2.0	0.5	15.0	16.0	24.5
Regional Clearance Time					
North Central	16.5	13.0	23.5	35.0	26.5

Table IV-31 – 2015 Clearance Times for Operational Scenarios

	Evacuation Level A Operational Scenario	Evacuation Level B Operational Scenario	Evacuation Level C Operational Scenario	Evacuation Level D Operational Scenario	Evacuation Level E Operational Scenario
Clearance Time to Shelter					
Alachua County	12.5	0.0	0.0	12.5	18.5
Bradford County	10.0	0.0	0.0	11.5	11.0
Columbia County	0.0	0.0	0.0	11.0	17.0
Dixie County	0.0	11.0	11.5	11.0	16.0
Gilchrist County	0.0	0.0	8.0	6.0	9.5
Hamilton County	0.0	0.0	6.0	3.0	3.5
Lafayette County	0.0	0.0	6.5	7.0	10.0
Madison County	0.0	0.0	10.5	9.5	10.0
Suwannee county	0.0	0.0	11.5	11.0	16.5
Taylor County	0.0	11.5	12.0	12.0	18.5
Union County	10.0	0.0	0.0	10.0	11.0
In-County Clearance Time					
Alachua County	13.0	0.0	0.0	13.0	19.0
Bradford County	12.5	0.0	0.0	12.5	16.5
Columbia County	0.0	0.0	0.0	12.5	18.0
Dixie County	0.0	16.5	11.5	16.5	21.0
Gilchrist County	0.0	0.0	11.5	10.5	16.0
Hamilton County	0.0	0.0	11.0	9.5	11.0
Lafayette County	0.0	0.0	11.0	11.0	16.5
Madison County	0.0	0.0	12.5	12.5	15.0
Suwannee county	0.0	0.0	13.0	13.0	18.0
Taylor County	0.0	15.5	12.5	15.5	21.5
Union County	12.5	0.0	0.0	12.0	16.5
Out of County Clearance Time					
Alachua County	16.5	18.5	13.5	25.0	21.5
Bradford County	14.5	16.5	9.5	23.5	21.0
Columbia County	17.0	18.5	13.0	34.0	22.0
Dixie County	0.5	17.0	12.0	17.0	21.0
Gilchrist County	6.0	15.0	12.5	18.5	20.5
Hamilton County	14.5	18.5	13.5	34.5	22.0
Lafayette County	9.5	14.0	12.5	20.5	20.0
Madison County	15.0	18.5	13.0	34.5	22.0
Suwannee county	14.5	18.5	13.5	34.5	22.0
Taylor County	11.0	17.5	13.5	20.5	22.5
Union County	12.5	1.0	0.5	24.0	18.5
Regional Clearance Time					
North Central	17.5	19.5	14.0	35.5	22.5

Table V- 7: Special Needs Shelter Demand Guidance (2010 Base Scenarios)

County	Number of Registrants (Medical) (April 2010)	Planning Percentage (Assumed 25% Respondents indicating need)	Existing Capacity -2009	EVACUATION SCENARIO (Demand based on percentage of evacuation population in Base Scenarios)				
				A	B	C	D	E
Alachua	600	0.50%	662	193	246	352	406	459
Bradford	90	1.33%	65	122	136	151	180	194
Columbia	75	1.18%	25	288	316	371	399	426
Dixie	50	1.00%	84	107	110	117	137	148
Gilchrist	82	0.68%	102	55	59	62	66	70
Hamilton	50	1.00%	20	62	67	72	77	82
Lafayette	26	0.33%	20	10	10	11	13	14
Madison	102	0.68%	28	57	61	66	70	75
Suwannee	100	0.33%	100	60	64	66	73	78
Taylor	40	0.45%	0	50	50	56	65	72
Union	103	0.68%	45	39	44	48	57	61
Region	1,318	0.50%	1,151	1,042	1,162	1,372	1,541	1,678

Obviously, most counties are transitioning toward the new requirements for Special Needs Shelters including the space requirement of 60 sq. ft. per person and the emergency power supported air-conditioning. As indicated, additional space must be

B. Hotel Availability

In the North Central Region there are a total of 8,545 hotel/motel rooms (April 2008). These facilities are identified in the Critical facility Inventory database and their locations within vulnerable areas (tropical storms and hurricanes, flood zone, wildfire) are identified.

The vast majority of rooms are in inland counties, far away from the threat of storm surge. Regionally, in a category 5 hurricane threat, approximately 8,257 (97% of total) rooms should be available. (See Table V-1 below)

Some of the Tourist and Visitors Bureaus in major metropolitan areas currently have a mechanism in place to track available units throughout a regional evacuation. This capability is essential to assist those evacuees looking for hotel/motel units. (Although it should be strongly recommended that families seeking accommodations make those reservations before they begin their evacuation trip.) In a major evacuation, the State Tourism and Development Council will seek to consolidate and augment this local information in real time. The second major challenge is to then communicate hotel/motel availability within the region and the state to evacuees locally as well as those on the road. This may reduce the trip of those searching for hotel/motels in the vicinity; thereby, hopefully reducing the evacuation congestion and clearance times.

Table V- 1: Hotel Availability by Hurricane Evacuation Scenarios

County	Total Facilities	Total Rooms	Cat A Room Availability	Cat B Room Availability	Cat C Room Availability	Cat D Room Availability	Cat E Room Availability
Alachua	70	4,472	4,472	4,472	4,472	4,472	4,472
Bradford	16	381	381	381	381	381	381
Columbia	36	2,095	2,095	2,095	2,095	2,095	2,095
Dixie	10	155	61	61	61	61	61
Gilchrist	6	70	70	70	70	70	70
Hamilton	14	413	413	413	413	413	413
Lafayette	3	30	30	30	30	30	30
Madison	6	207	207	207	207	207	207
Suwannee	16	327	327	327	327	327	327
Taylor	19	395	201	201	201	201	201
Union	0	0	0	0	0	0	0
Region	196	8545	8,257	8,257	8,257	8,257	8,257

Source: Florida Dept. of Professional and Business Regulations, 2009

Table V- 10c: Columbia County Shelter Inventory and Surge Analysis

NAME	ADDRESS	CITY	RISK CAP @ 20 sq ft	Sp Needs Cap @60 sq ft	Pet Friendly	Agency Support	Function	Vulnerability			
								Surge	Evac Zone	Flood	Wild-fire
WESTSIDE ELEMENTARY SCHOOL, BLDG 1, 2, 3, 4, 5, 6, 9	7438 SW STATE RD 47	LAKE CITY	1623	25	N	ARC / School	SCHOOL	N	N	N	N
FORT WHITE HIGH SCHOOL, BLDG 1, 11, 12	469 SE FIGHTING TIGER DR	LAKE CITY	674	0	N	ARC / School	SCHOOL	N	N	N	YN
PINEMOUNT ELEMENTARY	324 SW GRABIEL PL	LAKE CITY	300		N	ARC / School	SCHOOL	N	N	N	N
TOTAL CAPACITY			**2597**	**25**							

ARC = American Red Cross
DOH = County Health Department
School = County School District

Columbia County

Map IVC-12 Routes Vulnerable to Freshwater Flooding

Statewide Regional Evacuation Study Program

Georgia

HAMILTON

SUWANNEE

BAKER

COLUMBIA

GILCHRIST

ALACHU

BAKERS MILL
JASPER
GENOA
SUWANNEE
WHITE SPRINGS
LIVE OAK
HOUSTON
WINFIELD
WELLBORN
LAKE CITY
WATERTOWN
TAYLOR
SANDERSON
OLUSTEE
MCALPIN
LULU
COLUMBIA
RAIFORD
O'BRIEN
FORT WHITE
HIGH SPRINGS

47, 441, 75, 129, 57, 10, 136, 8, 100A, 90, 247, 238, 245, 241, 27, 49, 138, 337

Legend

- Inundation points
- Major Roads
- Secondary Roads
- Stream
- Waterbody
- Counties/States

0 1 2 4 6 8

Miles

This map is prepared under the direction of Florida Division of Emergency Management for the Regional Evacuation Study Update. This map is for planning purposes only. Not to be used for measurement or legal purposes. Please consult with your county for the latest information.

Extent Location

North Central Florida Regional Planning Council

Sources: NCFRPC, FGDL, TELEAtlas, Florida Department of Transportation, District 2, FEMA

Map Printed: June 2010

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