# Florida Statewide Regional Evacuation Study Program

## Emergency Management Evacuation Tool Kit

## Union County

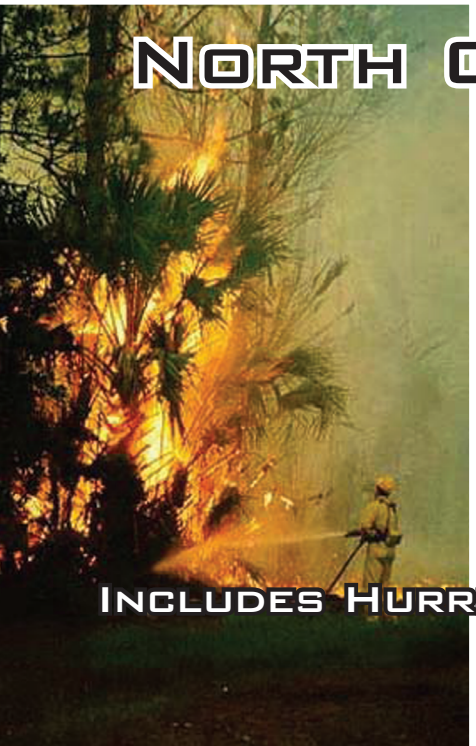
## Volume 6-3

### Book 11 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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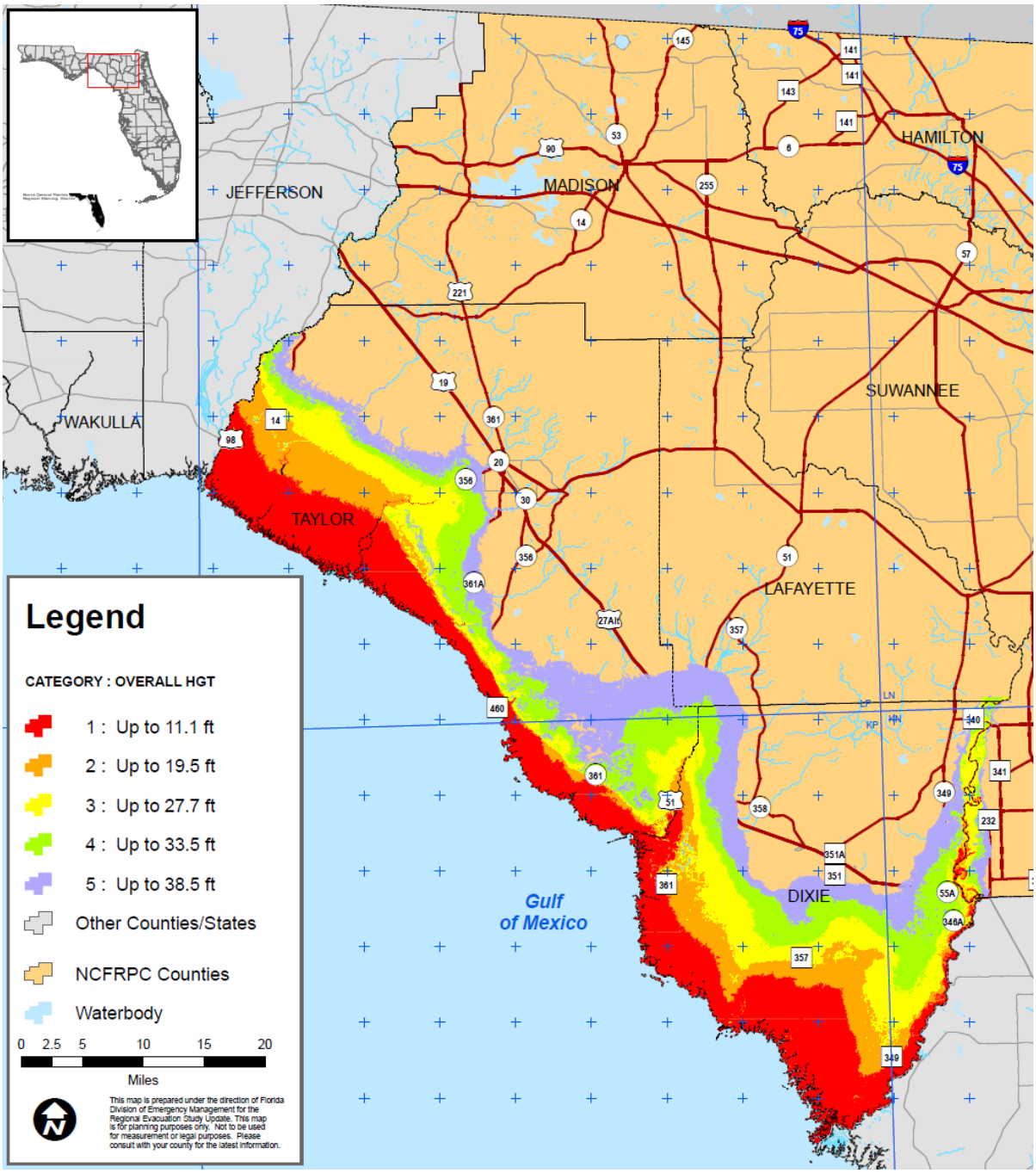
**Figure II- 3: Storm Tide Limits for the North Central Florida Region**



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.

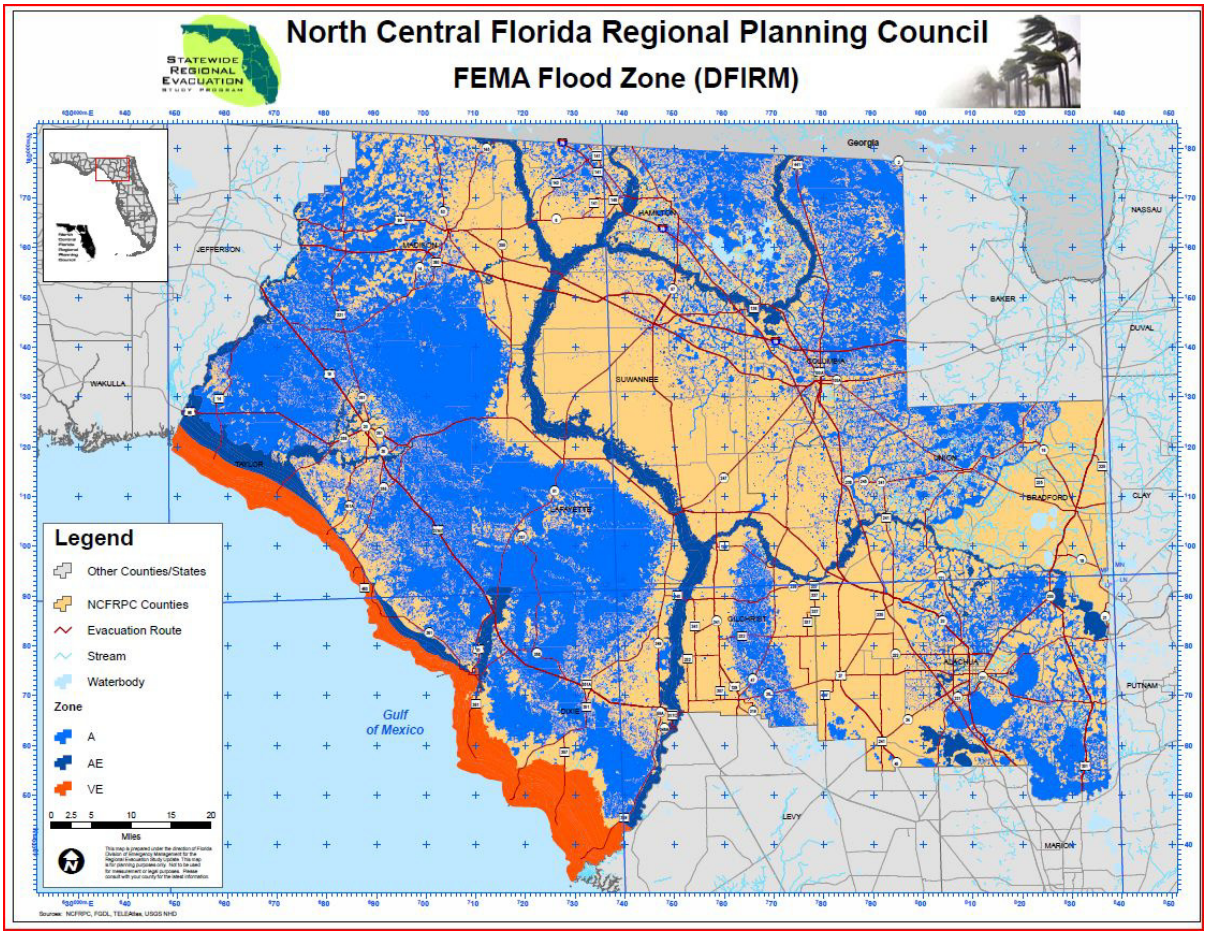
**Table IV-2 Mobile Home/ RV Parks in the North Central Region (2009)**

| 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 |

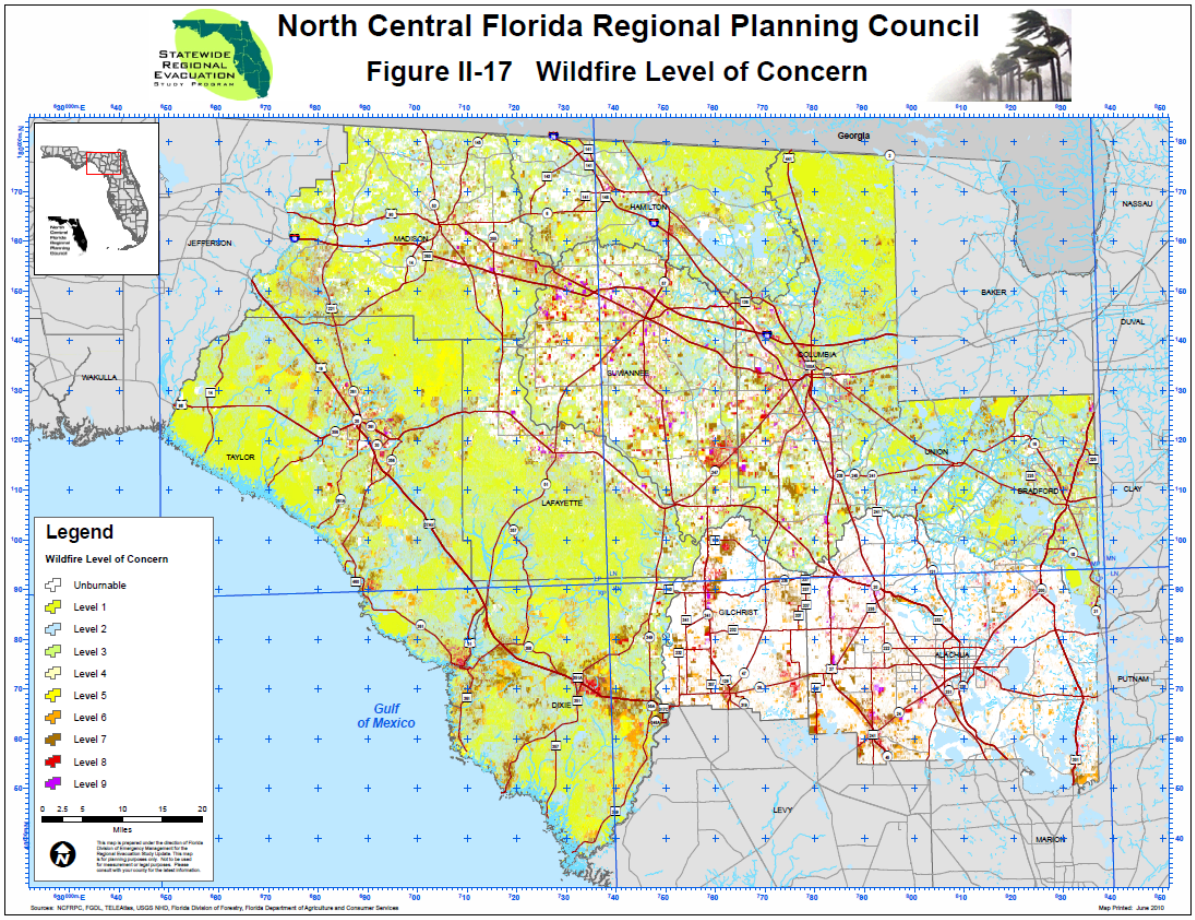
Source: Florida Department of Health, 2009

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

**Figure II- 16: North Central Florida FEMA Flood Zones**

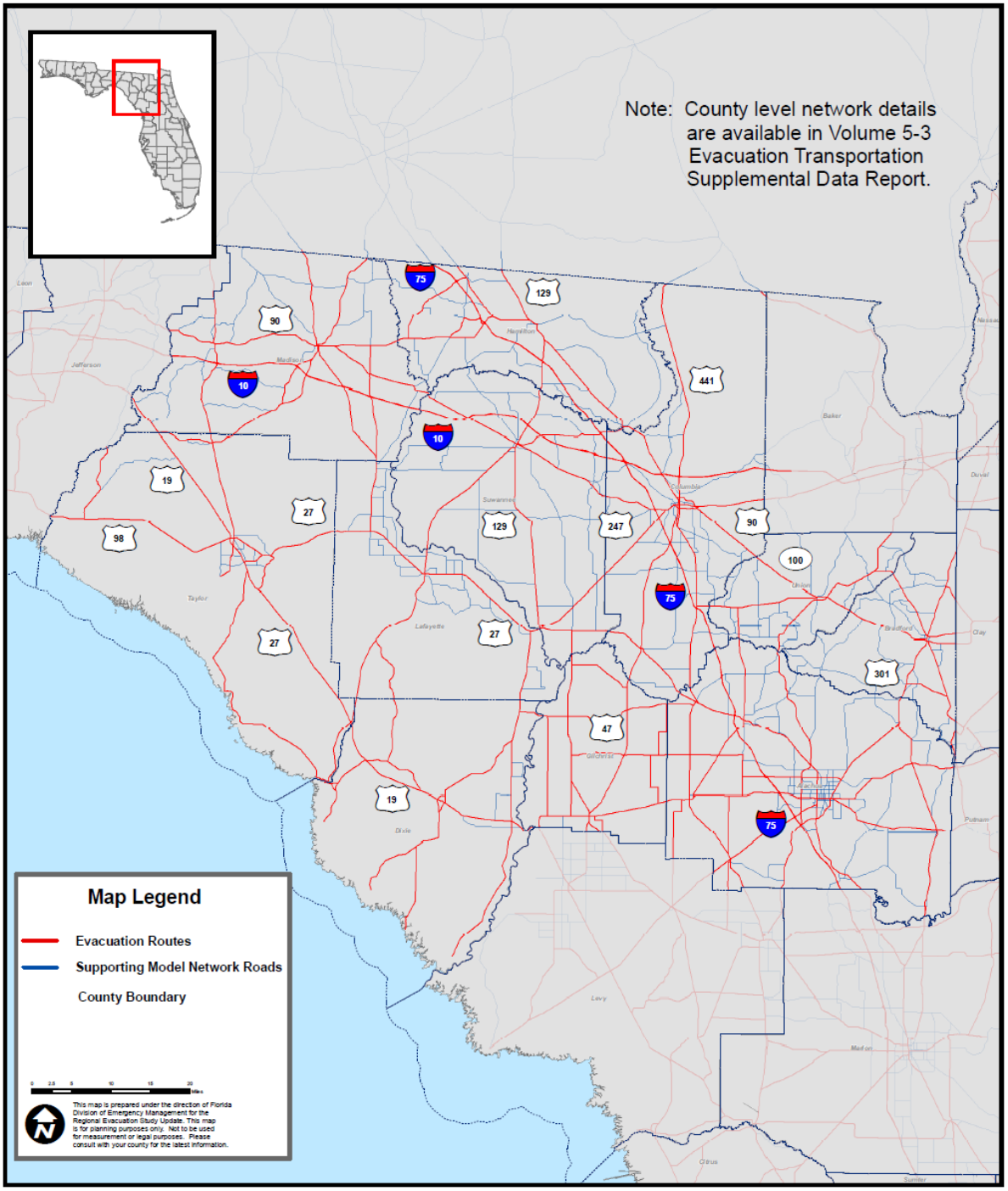


## Figure II- 17: Wildfire Level of Concern




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

## Figure VI-2 North Central Florida Regional Model Network



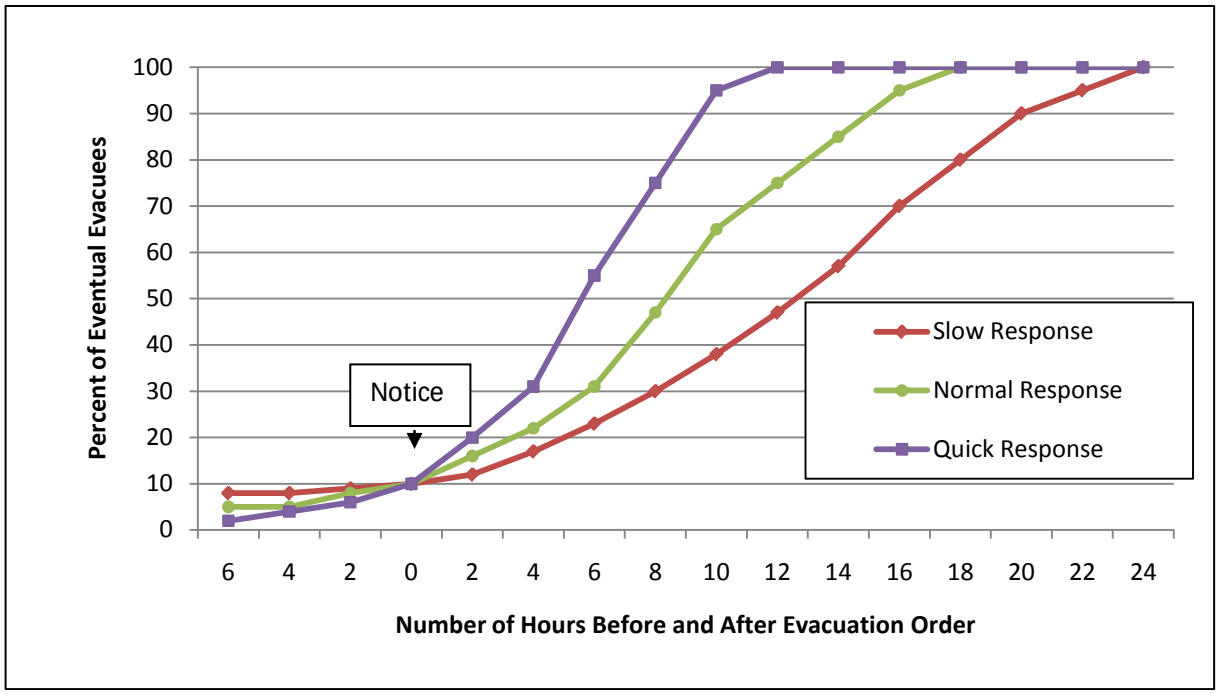
than the second. This sort of evacuation results when evacuation notices are issued earlier than in the first example, but not as early as in the second case.

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<br>Level A<br>2010 | Scenario 2<br>Level B<br>2010 | Scenario 3<br>Level C<br>2010 | Scenario 4<br>Level D<br>2010 | Scenario 5<br>Level E<br>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<br>Bradford<br>Columbia<br>Dixie<br>Gilchrist<br>Hamilton<br>Lafayette<br>Madison<br>Suwannee<br>Taylor<br>Union<br>Levy<br>Jefferson | Alachua<br>Bradford<br>Columbia<br>Dixie<br>Gilchrist<br>Hamilton<br>Lafayette<br>Madison<br>Suwannee<br>Taylor<br>Union<br>Levy<br>Jefferson | Alachua<br>Bradford<br>Columbia<br>Dixie<br>Gilchrist<br>Hamilton<br>Lafayette<br>Madison<br>Suwannee<br>Taylor<br>Union<br>Levy<br>Jefferson | Alachua<br>Bradford<br>Columbia<br>Dixie<br>Gilchrist<br>Hamilton<br>Lafayette<br>Madison<br>Suwannee<br>Taylor<br>Union<br>Levy<br>Jefferson | Alachua<br>Bradford<br>Columbia<br>Dixie<br>Gilchrist<br>Hamilton<br>Lafayette<br>Madison<br>Suwannee<br>Taylor<br>Union<br>Levy<br>Jefferson |
| | **Scenario 6<br>Level A<br>2015** | **Scenario 7<br>Level B<br>2015** | **Scenario 8<br>Level C<br>2015** | **Scenario 9<br>Level D<br>2015** | **Scenario 10<br>Level E<br>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<br>Bradford<br>Columbia<br>Dixie<br>Gilchrist<br>Hamilton<br>Lafayette<br>Madison<br>Suwannee<br>Taylor<br>Union<br>Levy<br>Jefferson | Alachua<br>Bradford<br>Columbia<br>Dixie<br>Gilchrist<br>Hamilton<br>Lafayette<br>Madison<br>Suwannee<br>Taylor<br>Union<br>Levy<br>Jefferson | Alachua<br>Bradford<br>Columbia<br>Dixie<br>Gilchrist<br>Hamilton<br>Lafayette<br>Madison<br>Suwannee<br>Taylor<br>Union<br>Levy<br>Jefferson | Alachua<br>Bradford<br>Columbia<br>Dixie<br>Gilchrist<br>Hamilton<br>Lafayette<br>Madison<br>Suwannee<br>Taylor<br>Union<br>Levy<br>Jefferson | Alachua<br>Bradford<br>Columbia<br>Dixie<br>Gilchrist<br>Hamilton<br>Lafayette<br>Madison<br>Suwannee<br>Taylor<br>Union<br>Levy<br>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<br>Level A 2010 | Scenario 2<br>Level B 2010 | Scenario 3<br>Level C 2010 | Scenario 4<br>Level D 2010 | Scenario 5<br>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<br>Pasco<br>Pinellas<br>Levy<br>Hernando<br>Citrus<br>Dixie<br>Taylor<br>Gilchrist<br>Lafayette<br>Madison<br>Jefferson | Wakulla<br>Leon<br>Jefferson<br>Taylor<br>Dixie<br>Madison<br>Lafayette (A)<br>Gilchrist (A)<br>Hamilton (A)<br>Suwannee (A) | Duval<br>St. Johns<br>Flagler<br>Volusia<br>Nassau<br>Clay (B)<br>Putnam (B)<br>Baker (A)<br>Union (A)<br>Bradford (A)<br>Alachua (A)<br>Columbia (A) | Hillsborough<br>Pasco<br>Pinellas<br>Hernando (C)<br>Citrus (C)<br>Sumter (B)<br>Polk (B)<br>Marion (B)<br>Levy (B)<br>Dixie (A)<br>Taylor (A)<br>Gilchrist (A)<br>Lafayette (A)<br>Alachua (A)<br>Suwannee (A)<br>Hamilton (A)<br>Columbia (A) | Dixie<br>Taylor<br>Levy<br>Citrus<br>Jefferson (C)<br>Wakulla (C)<br>Hernando (D)<br>Pasco (C)<br>Pinellas (B)<br>Hillsborough (B)<br>Sumter (B)<br>Marion (C)<br>Alachua (C)<br>Gilchrist (C)<br>Lafayette (D)<br>Madison (A)<br>Hamilton (A)<br>Suwannee (A)<br>Columbia (A)<br>Union (A)<br>Leon (B)<br>Bradford (A)<br>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<br>St. Johns<br>Flagler<br>Volusia<br>Nassau<br>Clay<br>Putnam<br>Baker<br>Union<br>Bradford<br>Alachua | Hillsborough<br>Pasco<br>Pinellas<br>Hernando (A)<br>Citrus (A)<br>Levy (A)<br>Dixie (A)<br>Taylor (A) | Wakulla<br>Leon<br>Jefferson<br>Taylor<br>Dixie<br>Madison<br>Lafayette (B)<br>Gilchrist (B)<br>Hamilton (B)<br>Suwannee (B)<br>Levy (A) | Duval<br>St. Johns<br>Flagler<br>Volusia<br>Nassau<br>Clay (C)<br>Putnam (C)<br>Baker (B)<br>Union (B)<br>Bradford (B)<br>Alachua (B)<br>Columbia (A)<br>Hamilton (A)<br>Suwannee (A)<br>Gilchrist (A)<br>Dixie (A)<br>Lafayette (A)<br>Taylor (A)<br>Madison (A) | Dixie<br>Taylor<br>Levy<br>Citrus<br>Jefferson (C)<br>Wakulla (C)<br>Hernando (D)<br>Pasco (C)<br>Pinellas (B)<br>Hillsborough (B)<br>Sumter (B)<br>Marion (C)<br>Alachua (C)<br>Gilchrist (C)<br>Lafayette (D)<br>Madison (A)<br>Hamilton (A)<br>Suwannee (A)<br>Columbia (A)<br>Union (A)<br>Leon (B)<br>Bradford (A)<br>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

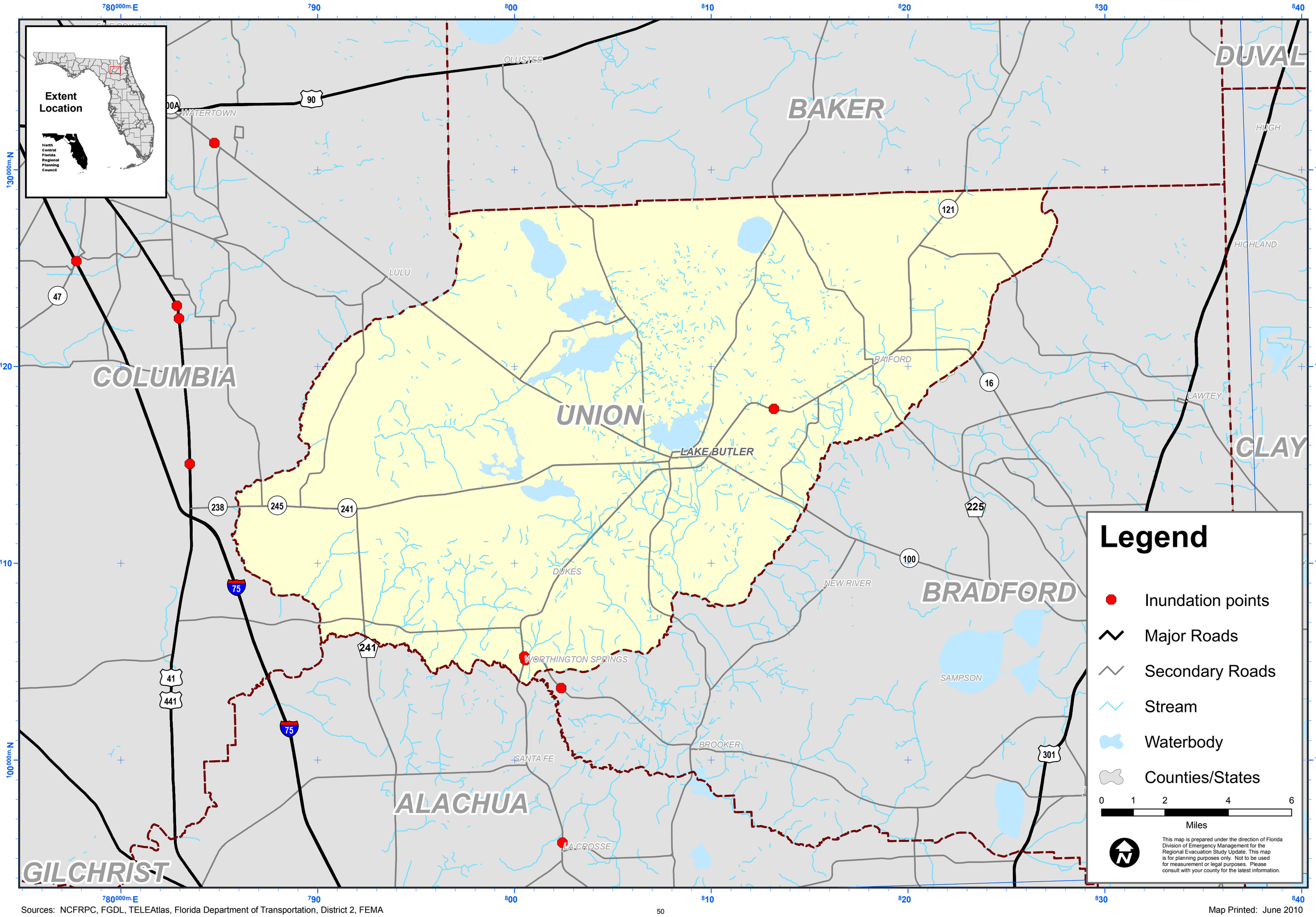
## Table V- 18k: Union County Shelter Inventory and Surge Analysis

| 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 |
| UNION COUNTY HIGH SCHOOL | 1000 S LAKE AVENUE | LAKE BUTLER | 312 | 45 | N | ARC / School/ DOH | School | N | N | N | N |
| **TOTAL CAPACITY** | | | **312** | **45** | | | | | | | |

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

# Union County

## Map IVU-12 Routes Vulnerable to Freshwater Flooding




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



Map Printed: June 2010

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