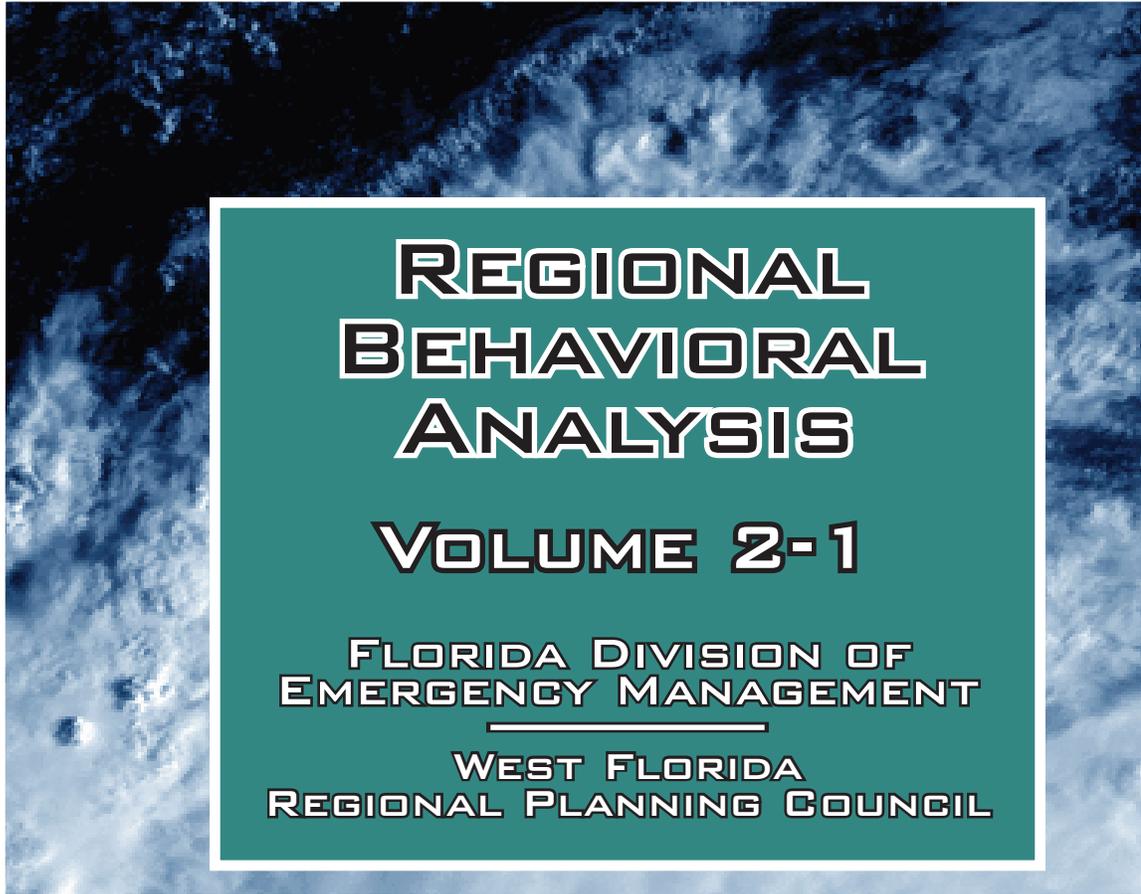




FLORIDA STATEWIDE REGIONAL EVACUATION STUDY PROGRAM

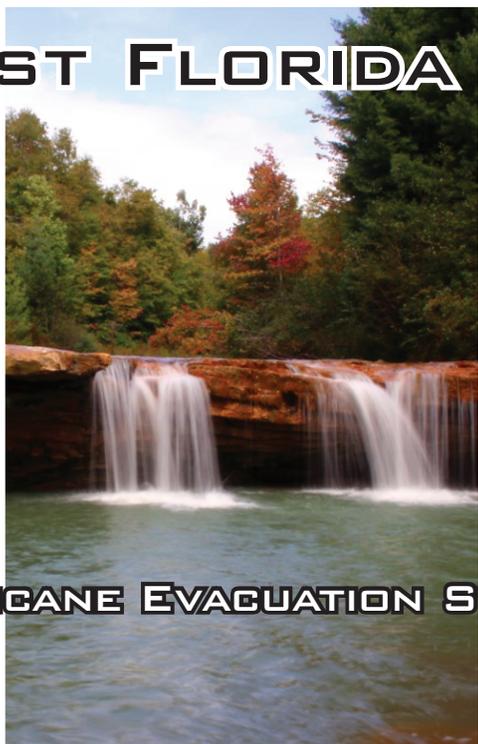
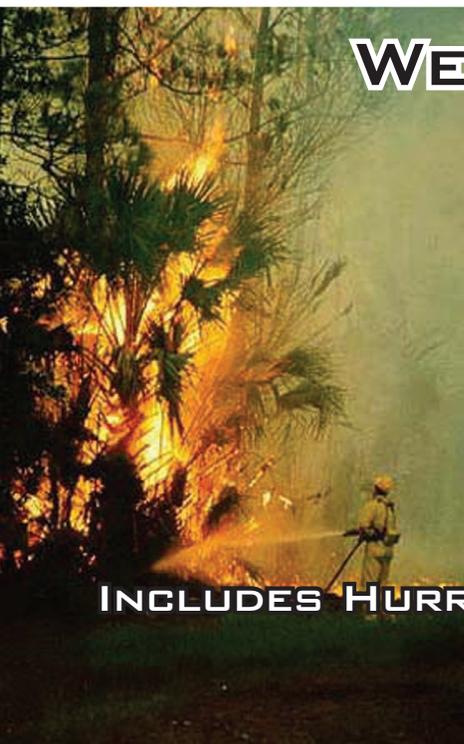


REGIONAL BEHAVIORAL ANALYSIS

VOLUME 2-1

FLORIDA DIVISION OF
EMERGENCY MANAGEMENT

WEST FLORIDA
REGIONAL PLANNING COUNCIL



WEST FLORIDA REGION

INCLUDES HURRICANE EVACUATION STUDY





Volume 2-1 West Florida Region

Regional Behavioral Analysis

Prepared by

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Table of Contents

I.	Introduction	2-1
II.	Methods.....	2-2
A.	Data Collection and Sample Sizes	2-2
B.	Questionnaire.....	2-3
C.	Use of Survey Findings	2-4
1.	Intended Responses.....	2-4
2.	Actual Responses.....	2-4
3.	Past Response in Other Locations	2-4
4.	Statistical Predictors.....	2-5
5.	Combining Information.....	2-5
D.	Sample Size Considerations	2-5
III.	Planning Assumptions for Residents.....	2-7
A.	Organization of Tables	2-7
1.	Coastal Counties	2-7
2.	Non-coastal Counties	2-8
B.	Working Data Tables	2-8
C.	Evacuation Rates.....	2-9
D.	Out-of-County Trips.....	2-10
E.	Type of Refuge.....	2-10
F.	Percent of Available Vehicles	2-11
G.	Evacuation Timing	2-11
1.	Evidence from Past Evacuations.....	2-11
2.	Curves for Planning	2-12
3.	Variations in the Curves	2-12
4.	Examples of Actual Response Curves	2-13
IV.	Planning Assumptions for Vacationers.....	2-15
A.	Evacuation Rates.....	2-15
B.	Type of Refuge.....	2-15
C.	Destinations	2-15
D.	Vehicle Use	2-15
E.	Evacuation Timing	2-15

List of Appendices

Appendix A	Planning Assumptions	A-1
Appendix A1	Bay County Planning Assumptions	A1-1
Appendix A2	Escambia County Planning Assumptions	A2-1
Appendix A3	Holmes County Planning Assumptions	A3-1
Appendix A4	Okaloosa County Planning Assumptions	A4-1
Appendix A5	Santa Rosa County Planning Assumptions.....	A5-1
Appendix A6	Walton County Planning Assumptions	A6-1
Appendix A7	Washington County Planning Assumptions.....	A7-1
Appendix B	Working Data Tables	B-1
Appendix B1	Bay County Working Data Tables	B1-1
Appendix B2	Escambia County Working Data Tables	B2-1
Appendix B3	Holmes County Working Data Tables.....	B3-1
Appendix B4	Okaloosa County Working Data Tables	B4-1
Appendix B5	Santa Rosa County Working Data Tables	B5-1
Appendix B6	Walton County Working Data Tables	B6-1
Appendix B7	Washington County Working Data Tables	B7-1
Appendix B8	West Florida Region Working Data Tables.....	B8-1

Statewide Regional Evacuation Study Behavioral Analysis

West Florida Region

I. Introduction

A study was conducted to provide guidance in selecting behavioral assumptions to be used in evacuation transportation modeling and shelter planning. For residents the process included telephone interviews with residents of the region and analysis of that and other data to derive indications of how the population would respond in the event of certain threats, most notably hurricanes. The SRES survey data was used in conjunction with data from previous evacuation surveys to derive probable behaviors to be used as planning assumptions. For tourists planning assumptions were based on generalizations about tourist behavior in hurricane evacuations derived from previous studies. SRES transportation and shelter analyses might employ behavioral assumptions that differ from those found in this document.

Planning assumptions were developed for five evacuation behaviors:

- **Evacuation rate** – the percentage of people who will leave their home (residents) or accommodation (vacationers) to go someplace safer in response to a hurricane threat
- **Out-of-county trips** – Percent of evacuating households (residents) or parties (vacationers) who will travel to destinations out of their county of residence (residents) or accommodation (vacationers)
- **Type of refuge** – Percent of evacuating households (residents) or parties (vacationers) who will seek refuge in public shelters, the homes of friends and relatives, hotels and motels, and other locations such as churches and workplaces. For vacationers their own residence constituted an additional type of refuge.
- **Percent of available vehicles** – Vehicles that will be used by evacuating households (residents) or parties (vacationers) as a percentage of the total number of vehicles available in the household that could be used
- **Evacuation timing** – Percent of total evacuating households (residents) or parties (vacationers) who will leave their homes (residents) or accommodations (vacationers) at various times, with respect to when an evacuation notice is issued by public officials.

II. Methods

A. Data Collection and Sample Sizes

To support the behavioral analysis for residents, telephone interviews were conducted by Kerr & Downs Research with 2300 residents of the West Florida region – 400 in each coastal county and 150 in each of the two non-coastal counties. More interviews were done in coastal counties so that distinctions could be made among hurricane evacuation zones within the coastal counties. The 400 interviews in coastal counties were allocated among evacuation zones after consultation with county emergency management officials in each county. Sample sizes, also broken down according to whether the respondent lived in a site-built home or a mobile home (including manufactured homes), are shown in Table 1. The total in Table 1 excludes respondents whose residence could not be identified as site-built or mobile home.

Some questions in the survey were asked of only a portion of the sample. For example, only respondents who were living in the region in 2005 were asked about their response in Dennis and Katrina. Only those who left their homes to go someplace safer in Dennis and Katrina were asked where they went when they left their homes. Therefore, for certain questions, sample sizes were smaller than the figures shown in Table 1.

Other surveys with the public have been conducted in the region with respect to hurricane evacuation. Some have been part of earlier regional evacuation studies, and some have been part of post-storm assessments to evaluate evacuation plans, such as Opal, Georges, and Ivan. Data from those studies was used to supplement the 2007 SRES survey.

Table 1. Sample Sizes in West Florida Counties

	Site-built Homes	Mobile Homes	SB + MH
Bay Cat 1	94	5	99
Bay Cat 2-3	85	5	100
Bay Cat 4-5	46	4	50
Bay Non-surge	136	12	148
Escambia Cat 1	98	2	100
Escambia Cat 2-3	95	4	99
Escambia Cat 4-5	95	5	100
Escambia Non-surge	91	9	100
Okaloosa Cat 1	125	0	125
Okaloosa Cat 2-3	122	2	124
Okaloosa Cat 4-5	98	2	100
Okaloosa Non-surge	47	3	50
Santa Rosa Cat 1	96	3	99
Santa Rosa Cat 2-3	88	11	99
Santa Rosa Cat 4-5	94	5	99
Santa Rosa Non-surge	89	10	99
Walton Cat 1	90	9	99
Walton Cat 2-3	87	13	100
Walton Cat 4-5	75	25	100
Walton Non-surge	78	22	100
Holmes (Non-coastal)	110	39	149
Washington (Non-coastal)	112	37	149
TOTAL	2061	227	2288

B. Questionnaire

Questions used in the telephone interviews were developed for use statewide as part of the Statewide Regional Evacuation Study. They were supplemented by questions submitted by the Regional Planning Council on behalf of counties in the region. Most questions in the survey dealt with hurricane evacuation:

- Information sources
- Perceived vulnerability
- Evacuation intentions
- Obstacles to evacuation
- Evacuation behavior in past hurricane threats
- Demographics

In addition to the hurricane questions, a portion of respondents in each county were asked questions about evacuation in freshwater flooding, hazardous material accidents, wildfires, and nuclear power plant accidents.

Responses to all questions in the survey are reported in the *Statewide Regional Evacuation Study Program: West Florida Region Behavioral Survey Report*, prepared by Kerr & Downs Research, including a copy of the questionnaire.

C. Use of Survey Findings

Responses to individual survey questions alone are not usually good indicators of how residents will respond in actual threats. A mix of the following indicators was used in deriving behavioral assumptions to use in planning:

- Intended responses
- Responses in past threats
- Responses in past threats in other locations
- Factors usually correlated with actual response

1. Intended Responses

Some of the survey questions asked respondents what they would do in certain situations – whether they would evacuate, where they would go, and so forth. Answers to those questions constitute intended responses and they provide a very straightforward indicator of behavior. Unfortunately, intended responses often do not match actual responses. That is, people often don't do what they said they would do. In some cases there are statistical adjustments to intended responses that result in much closer matches to actual behavior. For example, in most locations actual use of public shelters is only about half the level indicated by intended response surveys.

2. Actual Responses

A number of survey questions asked interviewees how they responded in past hurricane threats. West Florida survey participants were asked about their evacuation behavior in hurricanes Ivan, Dennis, and Katrina. Earlier surveys in the region had provided actual response data about Eloise, Frederic, Erin, Elena, Opal, and Georges. Responses in past threats can be good predictors of future response, but only if the past threats are similar to future threats. Evacuation participation rates observed in those storms are not necessarily perfect indicators of what it is reasonable to plan for in future threats. Nevertheless it is fortunate from an analytical standpoint to have such a wealth of actual response data from which to generalize.

3. Past Response in Other Locations

Although all places are different, responses and patterns observed in one set of locations are often good indicators of what can occur elsewhere, when conditions are similar. This is particularly useful when planning for threats for which there is no reliable response data for similar threats for the region. As part of the SRES, twelve different hurricane threats were asked about in one county or another. In addition, public response has been documented in many other hurricane threats both in and out of Florida, some of which are relevant to planning in the West Florida region. For example,

in the great majority of evacuations fewer than 15% of evacuees leave on their own, prior to an evacuation notice being issued by public officials. Due to the consistency of that finding, it is reasonable to apply it to the West Florida counties.

4. Statistical Predictors

Data from other hurricane evacuation surveys like those described above have been analyzed statistically to identify factors that have been correlated with evacuation behavior. Certain variables have been found to predict actual response better than others. For example, perceived vulnerability, actual vulnerability (e.g., evacuation zone), housing type, and hearing evacuation orders are all good predictors of whether residents will evacuate. The SRES survey measured perceived vulnerability, evacuation zone, housing type, and expectation of being told to evacuate, and those factors were combined to provide an indication of whether interviewees would evacuate in certain storm threats, from certain locations, and from certain types of housing. Other variables were used to provide an indication of other evacuation behaviors.

5. Combining Information

There is no simple one-rule-fits-all technique for using the above information in deriving behavioral assumptions for planning. The best solution is to employ the best available mix of indicators, relying most heavily on the best information available for each behavior and scenario in question, for a particular county and storm threat. When good, reliable actual response information was available for a certain storm threat scenario, it was relied on more than other types of information. When actual response information was lacking, a combination of intended response, trends from other locations, and application of predictor variables was used.

D. Sample Size Considerations

SRES survey statistics were derived from the sample described previously (section I.A. above). The sample provides an estimate of values for the population of people from which the sample was drawn. For example, a sample of Bay County residents was interviewed for the purpose of estimating how the larger population of Bay County residents would respond to the same questions.

The sampling plan used in the SRES survey was designed to provide statistically useful county-level data, given budgetary constraints. However, sample estimates become less reliable statistically when the responses are disaggregated, as they were in the analyses conducted as part of the SRES. When responses are broken down by evacuation zone within a county and then by housing type, population-level differences among zones and between housing types are not always as large as they might appear in the sample. This is because sampling error increases when sample size decreases. Therefore, differences in the sample might not be large enough to support a conclusion that similar differences exist in the population from which the sample was selected, due to sampling error.

Aggregating results across counties helps overcome zonal and housing disaggregation problems. However, county variations – if they exist – are masked when results are aggregated at the regional level. The analysis looked at survey results at both the county and regional levels, relying on county-level data to the extent that sample sizes justified that level of analysis, but relying more on regional data when county-level sample sizes were too small.

This is especially true for actual response data. Many SRES respondents were not living in their current county when past storm threats occurred, so they were not asked about their response in those storms. If a resident was living in the area at the time but didn't evacuate, that person couldn't be asked where he or she went (e.g., public shelter, out-of-county). Therefore, for certain actual response questions, regional statistics were more meaningful than county statistics.

III. Planning Assumptions for Residents

A. Organization of Tables

Planning assumptions for residents are shown in Appendix A. Appearing below each table there is a brief description of the content of the table. At the beginning of the appendices there is an explanation of how to read the tables.

1. Coastal Counties

For each coastal county there are 14 tables:

1. Evacuation rate for site-built homes
2. Out-of-county trip rates for site-built homes
3. Percent of available vehicles to be used by site-built homes
4. Public shelter use rates for site-built homes
5. Friend and relative use rates for site-built homes
6. Hotel and motel use rates for site-built homes
7. Other refuge use rates for site-built homes
8. Evacuation rate for site-built homes
9. Out-of-county trip rates for mobile and manufactured homes
10. Percent of available vehicles to be used by mobile and manufactured homes
11. Public shelter use rates for mobile and manufactured homes
12. Friend and relative use rates for mobile and manufactured homes
13. Hotel and motel use rates for mobile and manufactured homes
14. Other refuge use rates for mobile and manufactured homes

In each table for coastal counties there are planning assumptions for six evacuation zones:

1. Areas needing to evacuate due to storm surge flooding from category 1 hurricanes
2. Areas needing to evacuate due to storm surge flooding from category 2 hurricanes
3. Areas needing to evacuate due to storm surge flooding from category 3 hurricanes
4. Areas needing to evacuate due to storm surge flooding from category 4 hurricanes
5. Areas needing to evacuate due to storm surge flooding from category 5 hurricanes
6. Areas not needing to evacuate due to storm surge flooding from hurricanes

Zones were defined relative to zones currently used by each county. In instances where counties currently aggregate zones the planning assumptions were interpolated for

intermediate zones. For example, if a county used zones 1-2, 3, and 4-5, trends across those zones were used to specify assumptions for zones 1, 2, 3, 4, and 5.

2. Non-coastal Counties

For each non-coastal county there are seven tables. Data for site-built homes and mobile or manufactured homes are shown in the same tables for non-coastal counties because there are no surge-related evacuation zones. The tables for non-coastal counties are:

1. Evacuation rate for site-built homes and mobile or manufactured homes
2. Out-of-county trip rates for site-built homes and mobile or manufactured homes
3. Percent of available vehicles to be used by site-built homes and mobile or manufactured homes
4. Public shelter use rates for site-built homes and mobile or manufactured homes
5. Friend and relative use rates for site-built homes and mobile or manufactured homes
6. Hotel and motel use rates for site-built homes and mobile or manufactured homes
7. Other refuge use rates for site-built homes and mobile or manufactured homes

Within each table planning assumptions are provided for category 1, 2, 3, 4, and 5 hurricanes.

B. Working Data Tables

Responses for all survey questions are included in the Survey Data Report prepared by Kerr & Downs Research. In deriving planning assumptions, responses to certain questions are more important than others, and they are used more effectively if organized differently than as they appear in the Survey Data Report. The most salient variables from the survey were put into working data tables for use in supporting the derivation of planning assumptions, and the tabulations appear as Appendix B. There is an appendix for each county and one for the region.

The tabulations include responses to questions about perceived vulnerability, intended response, and actual response in past hurricane threats. The tables are arrayed to facilitate inspection of responses most relevant to derivation of specific planning assumptions (evacuation rate, destinations, refuge, vehicles). If there were too few responses to a question for the data to be statistically useful, cells in tables were left blank (with a hyphen in the cell). The tables in the working data table appendices are not intended to be replacements for the more complete description of the survey data included in the Survey Data Report. Readers should refer to the Survey Data Report for a more thorough understanding of the questions used to generate the background data tables.

The regional aggregation of background data is more reliable statistically due to the larger sample size, particularly for actual response data and when looking at responses separately by zone or housing type. County data was used to differentiate planning assumptions among counties when differences were large enough to warrant differentiation.

C. Evacuation Rates

Evacuation rates refer to the percentage of people who will leave their homes to go someplace safer during a hurricane threat. This is a critical variable for planning because it drives the number of vehicles on the roadways during an evacuation. Responses will vary even for hurricanes of the same intensity, depending on how great the threat appears to be to one's specific location, as well as other factors. Evacuation rates on the periphery of warning areas tend to be lower than in areas closest to the projected path of a threatening storm. A strong category 4 hurricane which has maintained its intensity for a day or more prior to landfall will elicit greater response than one which intensifies from a 2 to a 4 just six hours prior to landfall or one which weakens from a 4 to a 2 twelve hours prior to landfall. Both media attention and actions by public officials will vary from one strong category 4 hurricane to another due to similar considerations. A large category 4 storm will receive greater attention from media and officials than a small category 4 storm (e.g., Floyd, "Andrew's Big Brother"). Actions by public officials have a great impact on evacuation rate. People are much more likely to evacuate, especially in strong storms, when they believe they have been ordered to evacuate than when they believe they have received a recommendation to evacuate or haven't been told at all whether they should evacuate. A problem is that many people (often 30% in category 1 evacuation zones) fail to hear, comprehend, or believe that evacuation orders apply to them. The methods and aggressiveness used to disseminate evacuation notices affect evacuation rates.

The planning assumptions for evacuation rates are the *maximum probable rates*. They assume that a threatening storm of a given category poses its greatest threat to each county. That is,

1. The storm's forecast track is over the county early and throughout at least a full day of the threat.
2. The storm has been at the specified intensity for at least a day of the threat and remains at that intensity until landfall.
3. The storm makes landfall in the county.

These conditions aren't met very often, and recent threats in the West Florida region have not generated evacuation rates as high as those in some of the planning assumptions. In fact in the 12 storms asked about in one county or another as part of the SRES the highest evacuation rates observed for site-built homes in the category 1 evacuation zone in any county was 80% (Santa Rosa in Ivan and Nassau in Floyd). But evacuation rates over 90% have been documented in other threats (e.g., Escambia in Frederic, parts of Pinellas in Elena, most of coastal Georgia and southern South Carolina in Floyd, and Galveston, Texas in Rita).

Applying the county planning assumptions to the entire region overstates evacuation rate for the region, because not every county in the region will meet the conditions. However, one doesn't know in advance the county to which they will apply, if any.

The planning assumptions assume that officials issue mandatory evacuation orders for surge-related evacuation zones for hurricanes of corresponding intensities (e.g., everyone in the category 1 evacuation zone is ordered to evacuate in a category 1 hurricane). It also assumes that all mobile homes and residents of manufactured housing are ordered to evacuate for hurricanes of all intensities.

The planning assumptions include shadow evacuation – people leaving from areas and structures not ordered by officials to evacuate. These assumptions can add substantially to the total number of people evacuating and generating shelter demand, but the phenomenon exists, particularly when conditions such as those enumerated above apply (storm is forecast for an extended period to strike the county, maintains its intensity, and makes landfall in the county). There was substantial shadow evacuation in Ivan and Dennis. One reason that shadow evacuation occurs is that many people have misconceptions about their vulnerability (see Appendix B).

D. Out-of-County Trips

Many evacuees go farther than necessary to reach safety, and the planning assumptions indicate the percentage of evacuees who will go to destinations outside their own county. The Survey Data Report lists the actual destination (i.e., city) where intended evacuees said they would go and where actual evacuees have gone in the past, if they said they would go or went beyond their own neighborhoods. Going out-of-county can increase evacuation clearance times but has occurred in the past and will in the future until officials are more successful at dissuading evacuees from doing so. Very few out-of-county evacuees seek refuge in public shelters. The great majority go to the homes of friends and relatives or to hotels and motels.

E. Type of Refuge

There are separate tables for the percentage of evacuees who will go to public shelters, the homes of friends and relatives, hotels and motels, and other types of refuge (such as churches, workplaces, and second homes). Survey respondents tend to overstate their likelihood of using public shelters and understate their likelihood of going to the homes of friends and relatives. Actual refuge use is the best indicator, but in the West Florida region where past response data is better than in most locations, sample sizes are not always sufficient to provide highly reliable estimates for each evacuation zone within counties for future planning. In those cases, planning assumptions for the counties reflect a reduced value of the intended public shelter use figures unless actual response values were consistent with the intended behavior. The ability of evacuees to actually go to their intended refuge or to the places they have gone in the past will depend of the availability of those refuges in future threats.

F. Percent of Available Vehicles

Many evacuating households tend to take only a portion of the vehicles available to them, mainly to avoid separating the family more than necessary. The planning assumptions indicate the percentage of vehicles available to households that will be used in an evacuation. The Survey Data Report includes the number of vehicles available to evacuating households and the number they would take. The percent-of-available figures are derived from those data. Although planners could use the number of vehicles per household from the SRES survey and reported in the Survey Data Report, census data should provide better statistical estimates of the number of vehicles available to households, to which the percent-of-available multipliers can be applied. The SRES survey asked only about intended vehicle use, but a large number of post-storm surveys have asked about actual vehicle use, and the intended use figures tend to match the actual use figures well.

G. Evacuation Timing

Not all evacuees leave at the same time. Some leave before public officials issue evacuation notices, some leave very soon following issuance of evacuation notices, and some wait until shortly before they expect the threatening storm to arrive.

1. Evidence from Past Evacuations

Many surveys documenting response following hurricane evacuations have asked evacuees to indicate the time and date when they departed their homes. The responses have been graphed to depict cumulative evacuation curves. The curves show how the evacuation (on the y-axis) grew over time (on the x-axis), typically with a few people leaving early and then increasing to the point at which 100% of the evacuees had eventually departed. The curves indicate when vehicles enter the evacuation network as evacuating vehicles, not when they reached their destinations or when they made other trips in the network prior to evacuating.

In general a graph of when evacuees depart often looks like the letter "S." In some evacuations the "S" is compressed laterally (i.e., over time) to appear thin and upright. Those curves occur when all departures occur in a relatively short period of time. They usually happen when evacuation notices were not issued early enough due to an unexpected change in a storm's track, forward speed, or intensity. By the time evacuation notices are issued, little time remains before anticipated landfall, so evacuees leave with a sense of urgency corresponding to the threat. This would be referred to as a relatively "fast" or "quick" response.

In other evacuations the "S" is stretched laterally and covers more of the length of the line on which it appears, with departures being distributed over a longer length of time. It looks "flatter." In those cases evacuation notices were issued well in advance of anticipated landfall of the storm, and residents were aware that they had the luxury of waiting longer before departing if they choose to do so. Some evacuees do wait longer before leaving, but not all do. Departures are distributed over a longer period of time than in the first example. This might be referred to as a "slow" response.

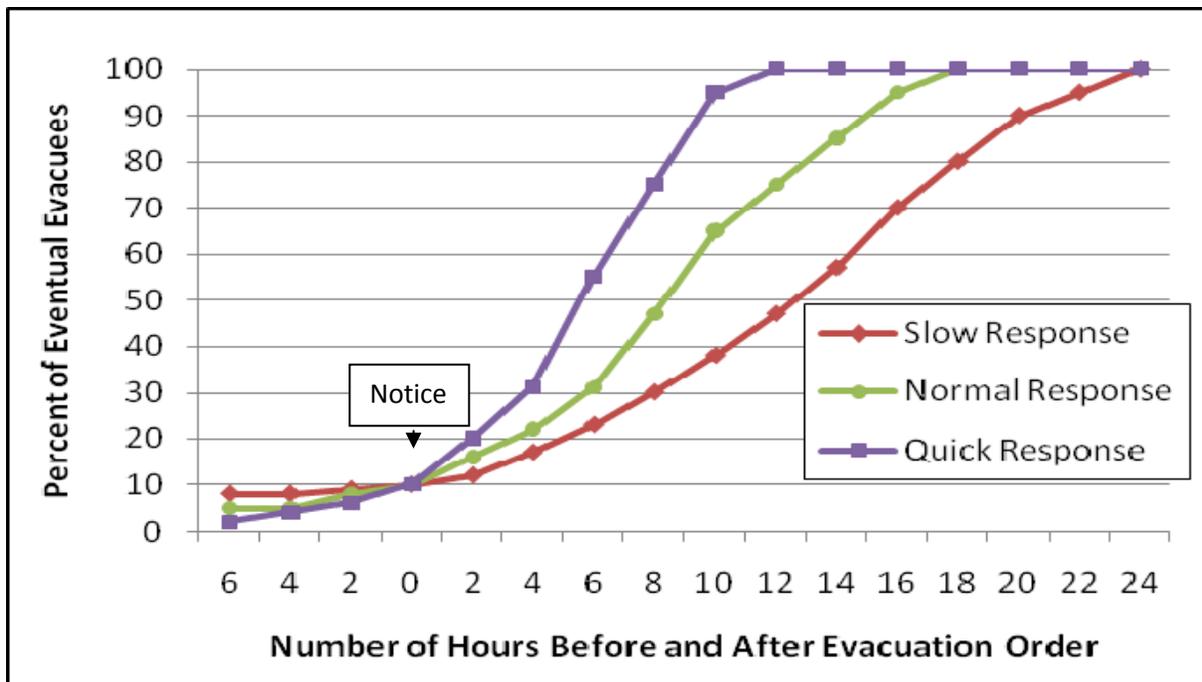
There are also evacuation timing curves that fall between those two, resulting in an “S” that is less compressed than the first, but less stretched than the second. This sort of evacuation results when evacuation notices are issued earlier than in the first example, but not as early as in the second 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”).

2. Curves for Planning

The three evacuation timing scenarios described above are depicted graphically in Figure 1, 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 arrival of hurricane conditions.

Figure 1. Evacuation timing curves for planning



3. 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 started leaving. If intensity of a storm increases,

indicating that additional areas of a community need to evacuate, departures from those areas will increase. These changes influence public response primarily through evacuation notices and instructions provided by local officials. Officials can significantly affect the distribution of departures by when they issue evacuation notices and how they word the notices and related announcements.

In each threat scenario occupants of less vulnerable areas (e.g., inland) will tend to wait longer to evacuate than those living in more hazardous locations (e.g., beaches). Variation in the curves is a function of variation in the perceived urgency of evacuating promptly, not demographics.

People prefer not to evacuate at night but will do so if necessary. Examples are Eloise, Elena, and Opal. Relatively few people leave prior to the issuance of evacuation notices by officials. People are willing to leave before watches and warnings are posted by the National Hurricane Center if asked to do so by local officials.

4. Examples of Actual Response Curves

Respondents to the SRES survey were not asked when they departed in past evacuations because too much time had passed between the evacuations and the interviews to trust the accuracy of recollections. The questions would also have made the interviews unacceptably lengthy. There are ample actual response curves that have been documented in other surveys.

Two-day Evacuations

If officials issue evacuation notices more than 24 hours prior to anticipated landfall, evacuation departures will be distributed over a period longer than 24 hours. Some evacuees will leave shortly after the evacuation notice during daylight hours, then departures will essentially stop on the evening of the first day, and then resume on the morning of the second day.

Most of the recent evacuations in Florida and elsewhere have taken place over a period of more than 24 hours. This has been the result of evacuation notices having been issued more than 24 hours prior to arrival of the storms. Curves were constructed for 11 different coastal regions in Floyd, for example, including four regions in Florida, and all 11 curves were distributed over more than a 24-hour period. All four of the 2004 major hurricanes in Florida (Charley, Frances, Ivan, and Jeanne) had evacuations that covered more than 24 hours. Evacuation departures in Katrina in Mississippi and Louisiana and in Rita in Texas in 2005 occurred over a period of two days or more. The same was true of Bertha and Fran in South Carolina in 1996, Georges in Florida in 1998, Lili in Texas and Louisiana in 2002, and Isabel in Virginia and Maryland in 2003.

One-day Evacuations

The prevalence of two-evacuations stems from good forecasts and a precautionary approach by public safety officials, particularly in stronger storms. If the National Hurricane Center goes forward with plans to extend the lead times for Hurricane Watches and Warnings by 12 hours, early issuance of evacuation notices will probably continue.

However, good early forecasts won't always be the case, or for other reasons evacuations notices won't be issued early enough to afford the luxury of having two days in which to evacuate. In those instances evacuations in certain areas will need to be rushed to completion following issuance of evacuation notices, and the duration of evacuations will be less than two days. If the goal of clearance time calculations is to estimate the minimum amount of time necessary to complete an evacuation safely, response curves of shorter duration than two days should be assumed.

The quickest of the one-day curves assumes that all evacuees depart within 12 hours of an evacuation notice being issued, with just 10% having left prior to the evacuation notice. Examples of approximately 12-hour response curves are Broward and Miami-Dade Counties in Andrew in 1992, Pinellas County in Elena in 1985, and Escambia County in Frederic in 1979. Storms in which evacuation departures were distributed over a 12 to 18 hour period include David in Miami-Dade in 1979 and Opal in northwest Florida in 1995. Eloise in northwest Florida in 1975 is a rare example of evacuation departures occurring over a period of just six hours, but in some locations as little as 45% of the public evacuated.

IV. Planning Assumptions for Vacationers

Compared to residents, there is relatively little data documenting how vacationers respond to hurricane threats, and no SRES survey was conducted with vacationers to ascertain their intentions. Recommendations for behavioral assumptions for tourists are derived from intended-response survey findings with visitors to other locations and from existing data on how vacationers have responded in other locations, including the Carolinas.

A. Evacuation Rates

There is no evidence that vacationers are reluctant to evacuate when a hurricane interrupts their visit to a coastal community. Based on observations of vacationer behavior in other locations and surveys in other locations concerning intended responses, it is reasonable to assume that 90% to 95% of vacationers will evacuate their accommodations *if evacuation orders are issued*.

B. Type of Refuge

Officials sometimes report a large number of vacationers in public shelters, but they represent a very small percentage of the total visitor population. Fewer than 5% of the evacuating vacationers will go to public shelters. Between 25% and 50% will seek inland hotels and motels. The remainder will return home or stay with friends and relatives in Florida, although the number returning home will depend on the distances traveled by tourists from home. Those most likely to return home live within a one-day drive of where they vacation.

C. Destinations

Up to 5% of tourist evacuees will stay within the county where their vacation accommodations were located or go to a nearby county to use a public shelter. At least half will go elsewhere in Florida to continue their vacation or wait out the storm. Up to half will return home, if they live within a one-day drive.

D. Vehicle Use

The great majority of tourists have a vehicle available to them when on vacation, often their own. Virtually all of the vehicles will be used in evacuating, either to other tourist destinations, home, or airports.

E. Evacuation Timing

Tourists leave at least as early as residents. The same curves used for residents should be used for tourists, unless officials order vacationers to evacuate earlier.

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX A

Planning Assumptions



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Reading the Planning Assumption Tables

Columns

Columns in tables represent threats posed by category 1, 2, 3, 4, and 5 hurricanes.

Rows

Rows in tables represent evacuation zones based on anticipated storm surge inundation: i.e., areas for which officials would issue evacuation notices due to the threat of storm surge and waves generated by category 1, 2, 3, 4, and 5 hurricanes. The sixth row in tables represents areas inland of the reach of storm surge inundation. Evacuation notices in inland areas (sixth rows of tables) would apply only to mobile homes and manufactured housing.

Cells

Cells in tables represent the evacuation behavior of residents living in the respective evacuation zone when faced with each of the five hurricane threats, e.g., response in a category 3 hurricane by residents living in a category 1 surge evacuation zone. All figures are percentages -- either percent of residents in the zone, percent of evacuees from the zone, or percent of available vehicles.

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX A1

Bay County Planning Assumptions



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Table 1. Bay County evacuation rates for residents living in site-built homes

Bay Evacuation Rates (%)	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site-built Homes					
Cat 1 Surge Evacuation Zone	45	55	75	85	95
Cat 2 Surge Evacuation Zone	35	40	70	80	90
Cat 3 Surge Evacuation Zone	25	30	70	80	90
Cat 4 Surge Evacuation Zone	10	15	40	70	85
Cat 5 Surge Evacuation Zone	5	15	15	50	85
Inland of Surge Evacuation Zones	5	15	15	25	35

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated. Shaded cells indicate shadow evacuation – evacuation from areas not included in evacuation notices.

Table 2. Bay County out-of-county trip rates for residents living in site-built homes

Bay Out-of-county Trips (%)	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site-built Homes					
Cat 1 Surge Evacuation Zone	80	80	80	80	80
Cat 2 Surge Evacuation Zone	80	80	80	80	80
Cat 3 Surge Evacuation Zone	80	80	80	80	80
Cat 4 Surge Evacuation Zone	85	85	85	85	85
Cat 5 Surge Evacuation Zone	85	85	85	85	85
Inland of Surge Evacuation Zones	75	75	75	75	75

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence in each storm threat scenario.

Table 3. Bay County vehicle use rates for residents living in site-built homes

Bay Vehicle Use Rate (%)	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site-built Homes					
Cat 1 Surge Evacuation Zone	75	75	75	75	75
Cat 2 Surge Evacuation Zone	75	75	75	75	75
Cat 3 Surge Evacuation Zone	75	75	75	75	75
Cat 4 Surge Evacuation Zone	75	75	75	75	75
Cat 5 Surge Evacuation Zone	75	75	75	75	75
Inland of Surge Evacuation Zones	70	70	70	70	70

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Table 4. Bay County public shelter use rates for residents living in site-built homes

Bay Public Shelter Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	5	5	5	5	5
Cat 2 Surge Evacuation Zone	5	5	5	5	5
Cat 3 Surge Evacuation Zone	5	5	5	5	5
Cat 4 Surge Evacuation Zone	2	2	2	5	5
Cat 5 Surge Evacuation Zone	2	2	2	5	5
Inland of Surge Evacuation Zones	8	8	8	8	8

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table 5. Bay County friend/relative refuge use rates for residents living in site-built homes

Bay Friend/Relative Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	60	60	60	60	60
Cat 2 Surge Evacuation Zone	60	60	60	60	60
Cat 3 Surge Evacuation Zone	60	60	60	60	60
Cat 4 Surge Evacuation Zone	60	60	60	60	60
Cat 5 Surge Evacuation Zone	60	60	60	60	60
Inland of Surge Evacuation Zones	60	60	60	60	60

Friend/relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table 6. Bay County hotel/motel refuge use rates for residents living in site-built homes

Bay Hotel/Motel Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	25	25	25	25	25
Cat 2 Surge Evacuation Zone	25	25	25	25	25
Cat 3 Surge Evacuation Zone	25	25	25	25	25
Cat 4 Surge Evacuation Zone	25	25	25	25	25
Cat 5 Surge Evacuation Zone	25	25	25	25	25
Inland of Surge Evacuation Zones	20	20	20	20	20

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table 7. Bay County other refuge use rates for residents living in site-built homes

Bay Other Refuge Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	13	13	13	13	13
Cat 5 Surge Evacuation Zone	13	13	13	13	13
Inland of Surge Evacuation Zones	12	12	12	12	12

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

Table 8. Bay County evacuation rates for residents living in mobile and manufactured homes

Bay Evacuation Rates (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	65	75	85	90	95
Cat 2 Surge Evacuation Zone	60	70	85	90	95
Cat 3 Surge Evacuation Zone	60	70	85	90	95
Cat 4 Surge Evacuation Zone	60	70	80	85	90
Cat 5 Surge Evacuation Zone	60	70	80	85	90
Inland of Surge Evacuation Zones	60	65	75	80	85

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated.

Table 9. Bay County out-of-county trip rates for residents living in mobile and manufactured homes

Bay Out-of-county Trips (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	60	60	60	70	70
Cat 2 Surge Evacuation Zone	60	60	60	70	70
Cat 3 Surge Evacuation Zone	60	60	60	70	70
Cat 4 Surge Evacuation Zone	60	60	60	70	70
Cat 5 Surge Evacuation Zone	60	60	60	70	70
Inland of Surge Evacuation Zones	60	60	60	70	70

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence in each storm threat scenario.

Table 10. Bay County vehicle use rates for residents living in mobile and manufactured homes

Bay Vehicle Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	70	70	70	70	70
Cat 2 Surge Evacuation Zone	70	70	70	70	70
Cat 3 Surge Evacuation Zone	70	70	70	70	70
Cat 4 Surge Evacuation Zone	70	70	70	70	70
Cat 5 Surge Evacuation Zone	70	70	70	70	70
Inland of Surge Evacuation Zones	90	90	90	90	90

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Table 11. Bay County public shelter use rates for residents living in mobile and manufactured homes

Bay Public Shelter Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table 12. Bay County friend/relative refuge use rates for residents living in mobile and manufactured homes

Bay Friend/Relative Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	70	70	70	70	70
Cat 2 Surge Evacuation Zone	70	70	70	70	70
Cat 3 Surge Evacuation Zone	70	70	70	70	70
Cat 4 Surge Evacuation Zone	70	70	70	70	70
Cat 5 Surge Evacuation Zone	70	70	70	70	70
Inland of Surge Evacuation Zones	70	70	70	70	70

Friend/relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table 13. Bay County hotel/motel refuge use rates for residents living in mobile and manufactured homes

Bay Hotel/Motel Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table 14. Bay County other refuge use rates for residents living in mobile and manufactured homes

Bay Other Refuge Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX A2

Escambia County Planning Assumptions



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Table 1. Escambia County evacuation rates for residents living in site-built homes

Escambia Evacuation Rates (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	45	55	75	85	95
Cat 2 Surge Evacuation Zone	35	50	70	80	95
Cat 3 Surge Evacuation Zone	25	35	70	80	90
Cat 4 Surge Evacuation Zone	10	15	30	75	85
Cat 5 Surge Evacuation Zone	5	10	15	50	85
Inland of Surge Evacuation Zones	5	10	15	25	35

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated. Shaded cells indicate shadow evacuation – evacuation from areas not included in evacuation notices.

Table 2. Escambia County out-of-county trip rates for residents living in site-built homes

Escambia Out-of-county Trips (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	70	70	75	75	80
Cat 2 Surge Evacuation Zone	50	55	55	60	65
Cat 3 Surge Evacuation Zone	50	55	55	60	65
Cat 4 Surge Evacuation Zone	75	75	75	75	80
Cat 5 Surge Evacuation Zone	75	75	75	75	80
Inland of Surge Evacuation Zones	70	70	70	70	70

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence in each storm threat scenario.

Table 3. Escambia County vehicle use rates for residents living in site-built homes

Escambia Vehicle Use Rate (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	80	80	80	80	80
Cat 2 Surge Evacuation Zone	80	80	80	80	80
Cat 3 Surge Evacuation Zone	80	80	80	80	80
Cat 4 Surge Evacuation Zone	80	80	80	80	80
Cat 5 Surge Evacuation Zone	80	80	80	80	80
Inland of Surge Evacuation Zones	70	70	70	70	70

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Table 4. Escambia County public shelter use rates for residents living in site-built homes

Escambia Public Shelter Use (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	5	5	5	5	5
Cat 2 Surge Evacuation Zone	5	5	5	5	5
Cat 3 Surge Evacuation Zone	5	5	5	5	5
Cat 4 Surge Evacuation Zone	5	5	5	5	5
Cat 5 Surge Evacuation Zone	5	5	5	5	5
Inland of Surge Evacuation Zones	10	10	10	10	10

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table 5. Escambia County friend/relative refuge use rates for residents living in site-built homes

Escambia Friend/Relative Use (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	70	70	70	70	70
Cat 2 Surge Evacuation Zone	70	70	70	70	70
Cat 3 Surge Evacuation Zone	70	70	70	70	70
Cat 4 Surge Evacuation Zone	70	70	70	70	70
Cat 5 Surge Evacuation Zone	70	70	70	70	70
Inland of Surge Evacuation Zones	70	70	70	70	70

Friend/relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table 6. Escambia County hotel/motel refuge use rates for residents living in site-built homes

Escambia Hotel/Motel Use (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	20	20	20	20	20
Cat 2 Surge Evacuation Zone	20	20	20	20	20
Cat 3 Surge Evacuation Zone	20	20	20	20	20
Cat 4 Surge Evacuation Zone	20	20	20	20	20
Cat 5 Surge Evacuation Zone	20	20	20	20	20
Inland of Surge Evacuation Zones	15	15	15	15	15

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table 7. Escambia County other refuge use rates for residents living in site-built homes

Escambia Other Refuge Use (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	5	5	5	5	5
Cat 2 Surge Evacuation Zone	5	5	5	5	5
Cat 3 Surge Evacuation Zone	5	5	5	5	5
Cat 4 Surge Evacuation Zone	5	5	5	5	5
Cat 5 Surge Evacuation Zone	5	5	5	5	5
Inland of Surge Evacuation Zones	5	5	5	5	5

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

Table 8. Escambia County evacuation rates for residents living in mobile and manufactured homes

Escambia Evacuation Rates (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	75	80	85	90	95
Cat 2 Surge Evacuation Zone	70	75	85	90	95
Cat 3 Surge Evacuation Zone	70	75	85	90	95
Cat 4 Surge Evacuation Zone	70	75	80	85	90
Cat 5 Surge Evacuation Zone	70	75	80	85	90
Inland of Surge Evacuation Zones	60	65	75	80	85

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated.

Table 9. Escambia County out-of-county trip rates for residents living in mobile and manufactured homes

Escambia Out-of-county Trips (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	30	30	35	45	45
Cat 2 Surge Evacuation Zone	25	25	30	45	45
Cat 3 Surge Evacuation Zone	25	25	30	45	45
Cat 4 Surge Evacuation Zone	25	25	30	45	45
Cat 5 Surge Evacuation Zone	25	25	30	45	45
Inland of Surge Evacuation Zones	25	25	30	45	45

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence.

Table 10. Escambia County vehicle use rates for residents living in mobile and manufactured homes

Escambia Vehicle Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	70	70	70	70	70
Cat 2 Surge Evacuation Zone	70	70	70	70	70
Cat 3 Surge Evacuation Zone	70	70	70	70	70
Cat 4 Surge Evacuation Zone	70	70	70	70	70
Cat 5 Surge Evacuation Zone	70	70	70	70	70
Inland of Surge Evacuation Zones	85	85	85	85	85

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Table 11. Escambia County public shelter use rates for residents living in mobile and manufactured homes

Escambia Public Shelter Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table 12. Escambia County friend/relative refuge use rates for residents living in mobile and manufactured homes

Escambia Friend/Relative Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	65	65	65	65	65
Cat 2 Surge Evacuation Zone	65	65	65	65	65
Cat 3 Surge Evacuation Zone	65	65	65	65	65
Cat 4 Surge Evacuation Zone	65	65	65	65	65
Cat 5 Surge Evacuation Zone	65	65	65	65	65
Inland of Surge Evacuation Zones	65	65	65	65	65

Friend/relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table 13. Escambia County hotel/motel refuge use rates for residents living in mobile and manufactured homes

Escambia Hotel/Motel Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	15	15	15	15	15
Cat 2 Surge Evacuation Zone	15	15	15	15	15
Cat 3 Surge Evacuation Zone	15	15	15	15	15
Cat 4 Surge Evacuation Zone	15	15	15	15	15
Cat 5 Surge Evacuation Zone	15	15	15	15	15
Inland of Surge Evacuation Zones	15	15	15	15	15

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table 14. Escambia County other refuge use rates for residents living in mobile and manufactured homes

Escambia Other Refuge Use (%)	Storm Threat Scenario				
	Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX A3

Holmes County Planning Assumptions



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Table 1. Holmes County evacuation rates for residents living in site-built homes and mobile or manufactured homes

Holmes Evacuation Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	5	10	15	20	25
Mobile and Manufactured Homes	60	65	75	80	90

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer in each storm threat scenario. Figures assume that evacuation will be recommended for mobile and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated.

Table 2. Holmes County out-of-county trip rates for residents living in site-built homes and mobile or manufactured homes

Holmes Out-of-county Trip Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	60	60	60	60	60
Mobile and Manufactured Homes	40	40	40	50	50

Out-of-county trip rate indicates the percent of evacuees who will seek refuge outside their own county of residence.

Table 3. Holmes County vehicle use rates for residents living in site-built homes and mobile or manufactured homes

Holmes Vehicle Use Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	75	75	75	75	75
Mobile and Manufactured Homes	75	75	75	75	75

Vehicle use rate indicates of percentage of vehicles available to the evacuating household that will be used in evacuation in each storm threat scenario.

Table 4. Holmes County public shelter use rates for residents living in site-built homes and mobile or manufactured homes

Holmes Public Shelter Use Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	10	10	10	10	10
Mobile and Manufactured Homes	15	15	15	15	15

Public shelter use rate indicates the percent of evacuees who will seek refuge in public shelters, in each storm threat scenario.

Table 5. Holmes County friend/relative refuge use rates for residents living in site-built homes and mobile or manufactured homes

Holmes Friend/Relative Use Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	70	70	70	70	70
Mobile and Manufactured Homes	70	70	70	70	70

Friend/relative use rate indicates the percent of evacuees who will seek refuge at the homes of friends and relatives, in each storm threat scenario.

Table 6. Holmes County hotel/motel refuge use rates for residents living in site-built homes and mobile or manufactured homes

Holmes Hotel/Motel Use Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	10	10	10	10	10
Mobile and Manufactured Homes	5	5	5	5	5

Hotel/motel use rate indicates the percent of evacuees who will seek refuge in hotels and motels, in each storm threat scenario.

Table 7. Holmes County other refuge use rates for residents living in site-built homes and mobile or manufactured homes

Holmes Other Refuge Use Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	10	10	10	10	10
Mobile and Manufactured Homes	10	10	10	10	10

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.



Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX A4

Okaloosa County Planning Assumptions



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Table 1. Okaloosa County evacuation rates for residents living in site-built homes

Okaloosa Evacuation Rates (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	45	55	75	85	95
Cat 2 Surge Evacuation Zone	35	40	60	75	90
Cat 3 Surge Evacuation Zone	25	35	60	75	90
Cat 4 Surge Evacuation Zone	10	10	30	70	80
Cat 5 Surge Evacuation Zone	5	10	25	60	80
Inland of Surge Evacuation Zones	5	10	15	25	35

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated. Shaded cells indicate shadow evacuation – evacuation from areas not included in evacuation notices.

Table 2. Okaloosa County out-of-county trip rates for residents living in site-built homes

Okaloosa Out-of-county Trips (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	80	80	80	85	85
Cat 2 Surge Evacuation Zone	80	80	80	85	85
Cat 3 Surge Evacuation Zone	80	80	80	85	85
Cat 4 Surge Evacuation Zone	80	80	80	85	85
Cat 5 Surge Evacuation Zone	80	80	80	85	85
Inland of Surge Evacuation Zones	80	80	80	85	85

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence in each storm threat scenario.

Table 3. Okaloosa County vehicle use rates for residents living in site-built homes

Okaloosa Vehicle Use Rate (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	80	80	80	80	80
Cat 2 Surge Evacuation Zone	80	80	80	80	80
Cat 3 Surge Evacuation Zone	80	80	80	80	80
Cat 4 Surge Evacuation Zone	80	80	80	80	80
Cat 5 Surge Evacuation Zone	80	80	80	80	80
Inland of Surge Evacuation Zones	70	70	70	70	70

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Table 4. Okaloosa County public shelter use rates for residents living in site-built homes

Okaloosa Public Shelter Use (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	2	2	2	2	2
Cat 2 Surge Evacuation Zone	2	2	2	2	2
Cat 3 Surge Evacuation Zone	2	2	2	2	2
Cat 4 Surge Evacuation Zone	5	5	5	5	5
Cat 5 Surge Evacuation Zone	5	5	5	5	5
Inland of Surge Evacuation Zones	5	5	5	5	5

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table 5. Okaloosa County friend/relative refuge use rates for residents living in site-built homes

Okaloosa Friend/Relative Use (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	60	60	60	60	60
Cat 2 Surge Evacuation Zone	60	60	60	60	60
Cat 3 Surge Evacuation Zone	60	60	60	60	60
Cat 4 Surge Evacuation Zone	60	60	60	60	60
Cat 5 Surge Evacuation Zone	60	60	60	60	60
Inland of Surge Evacuation Zones	60	60	60	60	60

Friend/relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table 6. Okaloosa County hotel/motel refuge use rates for residents living in site-built homes

Okaloosa Public Shelter Use (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	25	25	25	25	25
Cat 2 Surge Evacuation Zone	25	25	25	25	25
Cat 3 Surge Evacuation Zone	25	25	25	25	25
Cat 4 Surge Evacuation Zone	25	25	25	25	25
Cat 5 Surge Evacuation Zone	25	25	25	25	25
Inland of Surge Evacuation Zones	25	25	25	25	25

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table 7. Okaloosa County other refuge use rates for residents living in site-built homes

Okaloosa Other Refuge Use (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	13	13	13	13	13
Cat 2 Surge Evacuation Zone	13	13	13	13	13
Cat 3 Surge Evacuation Zone	13	13	13	13	13
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

Table 8. Okaloosa County evacuation rates for residents living in mobile and manufactured homes

Okaloosa Evacuation Rates (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	75	80	85	85	95
Cat 2 Surge Evacuation Zone	70	75	85	85	95
Cat 3 Surge Evacuation Zone	70	75	85	80	90
Cat 4 Surge Evacuation Zone	70	75	80	80	90
Cat 5 Surge Evacuation Zone	70	75	80	80	90
Inland of Surge Evacuation Zones	60	65	75	80	85

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated.

Table 9. Okaloosa County out-of-county trip rates for residents living in mobile and manufactured homes

Okaloosa Out-of-county Trips (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	70	70	70	75	75
Cat 2 Surge Evacuation Zone	70	70	70	75	75
Cat 3 Surge Evacuation Zone	70	70	70	75	75
Cat 4 Surge Evacuation Zone	70	70	70	75	75
Cat 5 Surge Evacuation Zone	70	70	70	75	75
Inland of Surge Evacuation Zones	70	70	70	75	75

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence.

Table 10. Okaloosa County vehicle use rates for residents living in mobile and manufactured homes

Okaloosa Vehicle Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	80	80	80	85	85
Cat 2 Surge Evacuation Zone	80	80	80	85	85
Cat 3 Surge Evacuation Zone	80	80	80	85	85
Cat 4 Surge Evacuation Zone	80	80	80	85	85
Cat 5 Surge Evacuation Zone	80	80	80	85	85
Inland of Surge Evacuation Zones	80	80	80	85	85

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Table 11. Okaloosa County public shelter use rates for residents living in mobile and manufactured homes

Okaloosa Public Shelter Use (%)	Storm Threat Scenario				
	Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	5	5	5	5	5
Cat 2 Surge Evacuation Zone	5	5	5	5	5
Cat 3 Surge Evacuation Zone	5	5	5	5	5
Cat 4 Surge Evacuation Zone	5	5	5	5	5
Cat 5 Surge Evacuation Zone	5	5	5	5	5
Inland of Surge Evacuation Zones	5	5	5	5	5

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table 12. Okaloosa County friend/relative refuge use rates for residents living in mobile and manufactured homes

Okaloosa Friend/Relative Use (%)	Storm Threat Scenario				
	Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	65	65	65	65	65
Cat 2 Surge Evacuation Zone	65	65	65	65	65
Cat 3 Surge Evacuation Zone	65	65	65	65	65
Cat 4 Surge Evacuation Zone	65	65	65	65	65
Cat 5 Surge Evacuation Zone	65	65	65	65	65
Inland of Surge Evacuation Zones	65	65	65	65	65

Friend/relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table 13. Okaloosa County hotel/motel refuge use rates for residents living in mobile and manufactured homes

Okaloosa Hotel/Motel Use (%)	Storm Threat Scenario				
	Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	15	15	15	15	15
Cat 2 Surge Evacuation Zone	15	15	15	15	15
Cat 3 Surge Evacuation Zone	15	15	15	15	15
Cat 4 Surge Evacuation Zone	15	15	15	15	15
Cat 5 Surge Evacuation Zone	15	15	15	15	15
Inland of Surge Evacuation Zones	15	15	15	15	15

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table 14. Okaloosa County other refuge use rates for residents living in mobile and manufactured homes

Okaloosa Other Refuge Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	15	15	15	15	15
Cat 2 Surge Evacuation Zone	15	15	15	15	15
Cat 3 Surge Evacuation Zone	15	15	15	15	15
Cat 4 Surge Evacuation Zone	15	15	15	15	15
Cat 5 Surge Evacuation Zone	15	15	15	15	15
Inland of Surge Evacuation Zones	15	15	15	15	15

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX A5

Santa Rosa County Planning Assumptions



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Table 1. Santa Rosa County evacuation rates for residents living in site-built homes

Santa Rosa Evacuation Rates (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	40	45	65	80	90
Cat 2 Surge Evacuation Zone	35	40	60	75	90
Cat 3 Surge Evacuation Zone	25	30	60	75	90
Cat 4 Surge Evacuation Zone	10	15	30	70	80
Cat 5 Surge Evacuation Zone	5	10	15	60	80
Inland of Surge Evacuation Zones	5	5	15	25	35

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated. Shaded cells indicate shadow evacuation – evacuation from areas not included in evacuation notices.

Table 2. Santa Rosa County out-of-county trip rates for residents living in site-built homes

Santa Rosa Out-of-county Trips (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	90	90	90	90	95
Cat 2 Surge Evacuation Zone	75	75	75	80	80
Cat 3 Surge Evacuation Zone	75	75	75	80	80
Cat 4 Surge Evacuation Zone	85	85	85	85	85
Cat 5 Surge Evacuation Zone	85	85	85	85	85
Inland of Surge Evacuation Zones	75	75	75	80	80

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence in each storm threat scenario.

Table 3. Santa Rosa County vehicle use rates for residents living in site-built homes

Santa Rosa Vehicle Use Rate (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	75	75	75	75	75
Cat 2 Surge Evacuation Zone	75	75	75	75	75
Cat 3 Surge Evacuation Zone	75	75	75	75	75
Cat 4 Surge Evacuation Zone	75	75	75	75	75
Cat 5 Surge Evacuation Zone	75	75	75	75	75
Inland of Surge Evacuation Zones	65	65	65	65	65

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Table 4. Santa Rosa County public shelter use rates for residents living in site-built homes

Santa Rosa Public Shelter Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	2	2	2	2	2
Cat 2 Surge Evacuation Zone	5	5	5	5	5
Cat 3 Surge Evacuation Zone	5	5	5	5	5
Cat 4 Surge Evacuation Zone	5	5	5	5	5
Cat 5 Surge Evacuation Zone	5	5	5	5	5
Inland of Surge Evacuation Zones	10	10	10	10	10

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table 5. Santa Rosa County friend/relative refuge use rates for residents living in site-built homes

Santa Rosa Friend/Relative Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	55	55	55	55	55
Cat 2 Surge Evacuation Zone	55	55	55	55	55
Cat 3 Surge Evacuation Zone	55	55	55	55	55
Cat 4 Surge Evacuation Zone	55	55	55	55	55
Cat 5 Surge Evacuation Zone	55	55	55	55	55
Inland of Surge Evacuation Zones	55	55	55	55	55

Friend/relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table 6. Santa Rosa County hotel/motel refuge use rates for residents living in site-built homes

Santa Rosa Hotel/Motel Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	30	30	30	30	30
Cat 2 Surge Evacuation Zone	30	30	30	30	30
Cat 3 Surge Evacuation Zone	30	30	30	30	30
Cat 4 Surge Evacuation Zone	30	30	30	30	30
Cat 5 Surge Evacuation Zone	30	30	30	30	30
Inland of Surge Evacuation Zones	25	25	25	25	25

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table 7. Santa Rosa County other refuge use rates for residents living in site-built homes

Santa Rosa Other Refuge Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	13	13	13	13	13
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

Table 8. Santa Rosa County evacuation rates for residents living in mobile and manufactured homes

Santa Rosa Evacuation Rates (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	75	80	85	90	95
Cat 2 Surge Evacuation Zone	70	75	85	90	95
Cat 3 Surge Evacuation Zone	70	75	85	90	95
Cat 4 Surge Evacuation Zone	70	75	80	85	90
Cat 5 Surge Evacuation Zone	70	75	80	85	90
Inland of Surge Evacuation Zones	60	65	75	80	85

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated.

Table 9. Santa Rosa County out-of-county trip rates for residents living in mobile and manufactured homes

Santa Rosa Out-of-county Trips (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	65	65	65	65	65
Cat 2 Surge Evacuation Zone	65	65	65	65	65
Cat 3 Surge Evacuation Zone	65	65	65	65	65
Cat 4 Surge Evacuation Zone	65	65	65	65	65
Cat 5 Surge Evacuation Zone	65	65	65	65	65
Inland of Surge Evacuation Zones	65	65	65	65	65

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence in each threat scenario.

Table 10. Santa Rosa County vehicle use rates for residents living in mobile and manufactured homes

Santa Rosa Vehicle Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	75	75	75	75	75
Cat 2 Surge Evacuation Zone	75	75	75	75	75
Cat 3 Surge Evacuation Zone	75	75	75	75	75
Cat 4 Surge Evacuation Zone	75	75	75	75	75
Cat 5 Surge Evacuation Zone	75	75	75	75	75
Inland of Surge Evacuation Zones	75	75	75	75	75

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Table 11. Santa Rosa County public shelter use rates for residents living in mobile and manufactured homes

Santa Rosa Public Shelter Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table 12. Santa Rosa County friend/relative refuge use rates for residents living in mobile and manufactured homes

Santa Rosa Friend/Relative Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	70	70	70	70	70
Cat 2 Surge Evacuation Zone	70	70	70	70	70
Cat 3 Surge Evacuation Zone	70	70	70	70	70
Cat 4 Surge Evacuation Zone	70	70	70	70	70
Cat 5 Surge Evacuation Zone	70	70	70	70	70
Inland of Surge Evacuation Zones	70	70	70	70	70

Friend/relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table 13. Santa Rosa County hotel/motel refuge use rates for residents living in mobile and manufactured homes

Santa Rosa Hotel/Motel Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table 14. Santa Rosa County other refuge use rates for residents living in mobile and manufactured homes

Santa Rosa Other Refuge Use (%)	Storm Threat Scenario				
	Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX A6

Walton County Planning Assumptions



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Table 1. Walton County evacuation rates for residents living in site-built homes

Walton Evacuation Rates (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	45	55	75	85	95
Cat 2 Surge Evacuation Zone	35	40	60	75	90
Cat 3 Surge Evacuation Zone	25	30	60	75	90
Cat 4 Surge Evacuation Zone	10	15	25	70	85
Cat 5 Surge Evacuation Zone	5	10	15	50	85
Inland of Surge Evacuation Zones	5	10	10	20	25

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated. Shaded cells indicate shadow evacuation – evacuation from areas not included in evacuation notices.

Table 2. Walton County out-of-county trip rates for residents living in site-built homes

Walton Out-of-county Trips (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	90	90	90	90	90
Cat 2 Surge Evacuation Zone	90	90	90	90	90
Cat 3 Surge Evacuation Zone	90	90	90	90	90
Cat 4 Surge Evacuation Zone	85	85	85	85	85
Cat 5 Surge Evacuation Zone	85	85	85	85	85
Inland of Surge Evacuation Zones	60	60	60	65	65

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence in each threat scenario.

Table 3. Walton County vehicle use rates for residents living in site-built homes

Walton Vehicle Use Rate (%)	Storm Threat Scenario				
	Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4
Cat 1 Surge Evacuation Zone	75	75	75	75	75
Cat 2 Surge Evacuation Zone	75	75	75	75	75
Cat 3 Surge Evacuation Zone	75	75	75	75	75
Cat 4 Surge Evacuation Zone	75	75	75	75	75
Cat 5 Surge Evacuation Zone	75	75	75	75	75
Inland of Surge Evacuation Zones	90	90	90	90	90

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Table 4. Walton County public shelter use rates for residents living in site-built homes

Walton Public Shelter Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	2	2	2	2	2
Cat 2 Surge Evacuation Zone	3	3	3	3	3
Cat 3 Surge Evacuation Zone	3	3	3	3	3
Cat 4 Surge Evacuation Zone	5	5	5	5	5
Cat 5 Surge Evacuation Zone	5	5	5	5	5
Inland of Surge Evacuation Zones	10	10	10	10	10

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table 5. Walton County friend/relative refuge use rates for residents living in site-built homes

Walton Friend/Relative Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	55	55	55	55	55
Cat 2 Surge Evacuation Zone	55	55	55	55	55
Cat 3 Surge Evacuation Zone	55	55	55	55	55
Cat 4 Surge Evacuation Zone	55	55	55	55	55
Cat 5 Surge Evacuation Zone	55	55	55	55	55
Inland of Surge Evacuation Zones	55	55	55	55	55

Friend/relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table 6. Walton County hotel/motel refuge use rates for residents living in site-built homes

Walton Hotel/Motel Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	25	25	25	25	25
Cat 2 Surge Evacuation Zone	25	25	25	25	25
Cat 3 Surge Evacuation Zone	25	25	25	25	25
Cat 4 Surge Evacuation Zone	25	25	25	25	25
Cat 5 Surge Evacuation Zone	25	25	25	25	25
Inland of Surge Evacuation Zones	20	20	20	20	20

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table 7. Walton County other refuge use rates for residents living in site-built homes

Walton Other Refuge Use (%)	Storm Threat Scenario				
Site-built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	18	18	18	18	18
Cat 2 Surge Evacuation Zone	17	17	17	17	17
Cat 3 Surge Evacuation Zone	17	17	17	17	17
Cat 4 Surge Evacuation Zone	15	15	15	15	15
Cat 5 Surge Evacuation Zone	15	15	15	15	15
Inland of Surge Evacuation Zones	15	15	15	15	15

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

Table 8. Walton County evacuation rates for residents living in mobile and manufactured homes

Walton Evacuation Rates (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	75	80	85	85	95
Cat 2 Surge Evacuation Zone	70	75	85	85	95
Cat 3 Surge Evacuation Zone	70	75	85	80	90
Cat 4 Surge Evacuation Zone	70	75	80	80	90
Cat 5 Surge Evacuation Zone	70	75	80	80	90
Inland of Surge Evacuation Zones	60	65	75	80	85

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated.

Table 9. Walton County out-of-county trip rates for residents living in mobile and manufactured homes

Walton Out-of-county Trips (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	70	70	70	75	75
Cat 2 Surge Evacuation Zone	70	70	70	75	75
Cat 3 Surge Evacuation Zone	70	70	70	75	75
Cat 4 Surge Evacuation Zone	70	70	70	75	75
Cat 5 Surge Evacuation Zone	70	70	70	75	75
Inland of Surge Evacuation Zones	70	70	70	75	75

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence in each threat scenario.

Table 10. Walton County vehicle use rates for residents living in mobile and manufactured homes

Walton Vehicle Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	85	85	85	85	85
Cat 2 Surge Evacuation Zone	85	85	85	85	85
Cat 3 Surge Evacuation Zone	85	85	85	85	85
Cat 4 Surge Evacuation Zone	85	85	85	85	85
Cat 5 Surge Evacuation Zone	85	85	85	85	85
Inland of Surge Evacuation Zones	85	85	85	85	85

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Table 11. Walton County public shelter use rates for residents living in mobile and manufactured homes

Walton Public Shelter Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	5	5	5	5	5
Cat 2 Surge Evacuation Zone	5	5	5	5	5
Cat 3 Surge Evacuation Zone	5	5	5	5	5
Cat 4 Surge Evacuation Zone	5	5	5	5	5
Cat 5 Surge Evacuation Zone	5	5	5	5	5
Inland of Surge Evacuation Zones	5	5	5	5	5

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table 12. Walton County friend/relative refuge use rates for residents living in mobile and manufactured homes

Walton Friend/Relative Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	65	65	65	65	65
Cat 2 Surge Evacuation Zone	65	65	65	65	65
Cat 3 Surge Evacuation Zone	65	65	65	65	65
Cat 4 Surge Evacuation Zone	65	65	65	65	65
Cat 5 Surge Evacuation Zone	65	65	65	65	65
Inland of Surge Evacuation Zones	65	65	65	65	65

Friend/relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table 13. Walton County hotel/motel refuge use rates for residents living in mobile and manufactured homes

Walton Hotel/Motel Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	15	15	15	15	15
Cat 2 Surge Evacuation Zone	15	15	15	15	15
Cat 3 Surge Evacuation Zone	15	15	15	15	15
Cat 4 Surge Evacuation Zone	15	15	15	15	15
Cat 5 Surge Evacuation Zone	15	15	15	15	15
Inland of Surge Evacuation Zones	15	15	15	15	15

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table 14. Walton County other refuge use rates for residents living in mobile and manufactured homes

Walton Other Refuge Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	15	15	15	15	15
Cat 2 Surge Evacuation Zone	15	15	15	15	15
Cat 3 Surge Evacuation Zone	15	15	15	15	15
Cat 4 Surge Evacuation Zone	15	15	15	15	15
Cat 5 Surge Evacuation Zone	15	15	15	15	15
Inland of Surge Evacuation Zones	15	15	15	15	15

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX A7

Washington County Planning Assumptions



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Table 1. Washington County evacuation rates for residents living in site-built homes and mobile or manufactured homes

Washington Evacuation Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	5	10	20	25	30
Mobile and Manufactured Homes	50	55	65	75	85

Evacuation rate indicates the percent of residents who will leave their homes to go someplace safer in each storm threat scenario. Figures assume that evacuation will be recommended for mobile and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated.

Table 2. Washington County out-of-county trip rates for residents living in site-built homes and mobile or manufactured homes

Washington Out-of-county Trip Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	65	65	65	65	65
Mobile and Manufactured Homes	55	55	55	60	60

Out-of-county trip rate indicates the percent of evacuees who will seek refuge outside their own county of residence.

Table 3. Washington County vehicle use rates for residents living in site-built homes and mobile or manufactured homes

Washington Vehicle Use Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	70	70	70	70	70
Mobile and Manufactured Homes	70	70	70	70	70

Vehicle use rate indicates of percentage of vehicles available to the evacuating household that will be used in evacuation in each storm threat scenario.

Table 4. Washington County public shelter use rates for residents living in site-built homes and mobile or manufactured homes

Washington Public Shelter Use Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	15	15	15	15	15
Mobile and Manufactured Homes	15	15	15	15	15

Public shelter use rate indicates the percent of evacuees who will seek refuge in public shelters, in each storm threat scenario.

Table 5. Washington County friend/relative refuge use rates for residents living in site-built homes and mobile or manufactured homes

Washington Friend/Relative Use Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	70	70	70	70	70
Mobile and Manufactured Homes	70	70	70	70	70

Friend/relative use rate indicates the percent of evacuees who will seek refuge at the homes of friends and relatives, in each storm threat scenario.

Table 6. Washington County hotel/motel refuge use rates for residents living in site-built homes and mobile or manufactured homes

Washington Hotel/Motel Use Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	10	10	10	10	10
Mobile and Manufactured Homes	5	5	5	5	5

Hotel/motel use rate indicates the percent of evacuees who will seek refuge in hotels and motels, in each storm threat scenario.

Table 7. Washington County other refuge use rates for residents living in site-built homes and mobile or manufactured homes

Washington Other Refuge Use Rates	Storm Threat Scenario				
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Site Built Homes	5	5	5	5	5
Mobile and Manufactured Homes	10	10	10	10	10

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.



Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX B

Working Data Tables



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Role of the Working Data Tables

Working data tables display data from the SRES Survey Data Report in a condensed, abbreviated format. **They are not intended to replace the Survey Data Report, which contains more complete descriptions of question wording and sample size information, and should not be used without being familiar with the information in the Survey Data Report.** The working data tables were prepared to facilitate in the use of the SRES survey data in deriving behavioral assumptions for planning. This was accomplished by organizing the survey data most relevant to particular behaviors together and placing as much of it as feasible on the same page to permit at-a-glance perusal of the most relevant information. As a consequence, variable names have been shortened to compress the space needed to display all of the pertinent data, and certain conventions have been applied to serve as reminders about caveats applicable in some instances.

One such caveat involves sample size constraints. If the number of respondents to a question was lower than 10, a dash appears in the respective cell, indicating that the sample size was too small to make useful inferences. If the sample size was between 10 and 20, the number of respondents is shown in parentheses (e.g., n=15). In Tables 1, 2, 3, 5, 6, and 7 the variable "Would Evac in Cat 4-5" has an asterisk and data entries are italicized to indicate that the sample size for that variable is smaller than for others in the same table. In Tables 10 and 12 responses for the variable "Could Stay w/ Friend/Rel" are reported for the county as a whole because there were generally too few respondents to the question within a particular evacuation zone at the county level. The SRES Survey Data Report contains information about actual numbers of responses.

Tables 1, 2, 3, and 4 as applied to site-built homes, Tables 5, 6, 7, and 8 as applied to mobile homes , and Table 9 contain information relevant to whether respondents will evacuate (i.e., leave their homes to go someplace safer). Tables 10, 11, and 12 summarize data used in projecting the type of refuge evacuees will employ. Tables 13, 14, and 15 pertain to whether evacuees will leave their own county. Table 16 is relevant for predicting the percentage of available vehicles that will be used by evacuating households.

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX B1

Bay County Working Data Tables



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Bay County

Working Data Table 1. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 2	31	12	9	8
Unsafe in Cat 2	33	18	26	23
Expect Evac Notice in Cat 2	62	53	46	47
Would Evac in Cat 2*	63 (n=19)	59	64	50
Would Comply in Cat 2	77	56	67	61

Working Data Table 2. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 3	50	30	22	18
Unsafe in Cat 3	65	54	54	43
Expect Evac Notice in Cat 3	87	81	63	70
Would Evac in Cat 3*	84	78	64	67
Would Comply in Cat 3	85	72	80	75

Working Data Table 3. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 4-5	63	55	46	37
Unsafe in Cat 4-5	84	74	76	73
Expect Evac Notice in Cat 4-5	96	91	78	87
Would Evac in Cat 4-5*	100 (n=19)	93	86	80
Would Comply in Cat 4-5	94	88	89	87

Working Data Table 4. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Evacuated in Dennis	40	22	31	18
Heard Must	15	12	7	7
Heard Should	23	19	13	21
Heard Neither	62	69	80	73
Evacuated in Ivan	36	20	23	14
Heard Must	10	16	11	5
Heard Should	31	27	3	22
Heard Neither	59	57	86	73
Evacuated in Katrina	12	6	15	5
Heard Must	0	9	3	4
Heard Should	11	3	10	9
Heard Neither	89	88	87	86

Bay County

Working Data Table 5. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Mobile Homes	
Flood in Cat 2	27
Unsafe in Cat 2	50
Expect Evac Notice in Cat 2	73
Would Evac in Cat 2	64 (n=11)
Would Comply in Cat 2	65

Working Data Table 6. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Mobile Homes	
Flood in Cat 3	31
Unsafe in Cat 3	73
Expect Evac Notice in Cat 3	92
Would Evac in Cat 3	82 (n=11)
Would Comply in Cat 3	77

Working Data Table 7. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Mobile Homes	
Flood in Cat 4-5	50
Unsafe in Cat 4-5	81
Expect Evac Notice in Cat 4-5	96
Would Evac in Cat 4-5	82 (n=11)
Would Comply in Cat 4-5	89

Working Data Table 8. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Mobile Homes	
Evacuated in Dennis	44 (n=18)
Heard Must	29 (n=17)
Heard Should	24 (n=17)
Heard Neither	47 (n=17)
Evacuated in Ivan	29 (n=14)
Heard Must	21 (n=14)
Heard Should	7 (n=14)
Heard Neither	71 (n=14)
Evacuated in Katrina	12 (n=17)
Heard Must	12 (n=17)
Heard Should	18 (n=17)
Heard Neither	71 (n=17)

Bay County

Working Data Table 9. Evacuation in Dennis, Ivan, and Katrina, Depending on Type of Evacuation Notice Heard

	Site-Built Homes	Mobile Homes
Evacuated in Dennis IF		
Heard Must	55	-
Heard Should	35	-
Heard Neither	19	-
Evacuated in Ivan IF		
Heard Must	50	-
Heard Should	32	-
Heard Neither	14	20 (n=10)
Evacuated in Katrina IF		
Heard Must	18 (n=11)	-
Heard Should	18	-
Heard Neither	7	17 (n=12)

Bay County

Working Data Table 10. Intended Use of Public Shelters, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Public Shelter in Cat 2	4	7	2	12
Public Shelter in Cat 3	4	8	2	13
Public Shelter in Cat 4-5	4	8	4	12
Could Stay w/ Friend/Rel	58			
Public Shelter in Dennis	4	6 (n=16)	0 (n=12)	6 (n=18)
Public Shelter in Ivan	0	7 (n=14)	-	7 (n=14)
Public Shelter in Katrina	-	-	-	-

Working Data Table 11. Type of Refuge Used in Dennis, Ivan, and Katrina

	Site-Built Homes	Mobile Homes
Public Shelters		
Dennis	4	-
Ivan	3	-
Katrina	4	-
Friends/Relatives		
Dennis	54	-
Ivan	62	-
Katrina	70	-
Hotels/Motels		
Dennis	28	-
Ivan	21	-
Katrina	9	-
Other		
Dennis	-	-
Ivan	12	-
Katrina	13	-

Working Data Table 12. Intended Use of Public Shelter, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Mobile Homes	
Public Shelter in Cat 2	15
Public Shelter in Cat 3	15
Public Shelter in Cat 4-5	12
Could Stay w/ Friend/Rel	-
Public Shelter in Dennis	-
Public Shelter in Ivan	-
Public Shelter in Katrina	-

Bay County

Working Data Table 13. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Out of County in Cat 2	79	81	84	76
Out of County in Cat 3	78	82	86	77
Out of County in Cat 4-5	82	87	89	77
Out of County in Dennis	87	90 (n=10)	82 (n=11)	94 (n=17)
Out of County in Ivan	73	57 (n=14)	-	92 (n=13)
Out of County in Katrina	-	-	-	-

Working Data Table 14. Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Region Total	Site-Built Homes	Mobile Homes
Out of County		
Dennis	89	-
Ivan	75	-
Katrina	73	-

Working Data Table 15. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Mobile Homes	
Out of County In Cat 2	58 (n=19)
Out of County in Cat 3	58 (n=19)
Out of County in Cat 4-5	70 (n=20)
Out of County in Dennis	-
Out of County in Ivan	-
Out of County in Katrina	-

Working Data Table 16. Percent of Vehicles Available to Household Evacuees Intend to Use in Evacuation

Vehicle Use	Cat 1	Cat 3	Cat 4-5	Non-surge
Site Built Homes	73			70
Mobile Homes	71 (n=16)			92 (n=11)

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX B2

Escambia County Working Data Tables



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Escambia County

Working Data Table 1. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 2	22	21	13	4
Unsafe in Cat 2	33	37	21	15
Expect Evac Notice in Cat 2	61	65	48	34
Would Evac in Cat 2*	-	69	50	54
Would Comply in Cat 2	68	77	72	70

Working Data Table 2. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 3	37	44	25	12
Unsafe in Cat 3	61	64	45	35
Expect Evac Notice in Cat 3	83	86	76	52
Would Evac in Cat 3*	-	81	68	61
Would Comply in Cat 3	87	88	83	78

Working Data Table 3. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 4-5	52	60	48	22
Unsafe in Cat 4-5	74	82	66	60
Expect Evac Notice in Cat 4-5	92	96	84	73
Would Evac in Cat 4-5*	-	96	86	86
Would Comply in Cat 4-5	91	94	92	88

Working Data Table 4. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Evacuated in Dennis	45	52	40	33
Heard Must	15	12	8	2
Heard Should	24	15	17	16
Heard Neither	62	73	75	82
Evacuated in Ivan	66	53	61	38
Heard Must	32	45	27	5
Heard Should	30	31	27	22
Heard Neither	38	24	47	73
Evacuated in Katrina	23	33	17	9
Heard Must	4	12	1	4
Heard Should	22	9	15	10
Heard Neither	74	79	83	86

Escambia County

Working Data Table 5. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Mobile Homes	
Flood in Cat 2	10 (n=20)
Unsafe in Cat 2	60 (n=20)
Expect Evac Notice in Cat 2	65 (n=20)
Would Evac in Cat 2	-
Would Comply in Cat 2	85 (n=20)

Working Data Table 6. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Mobile Homes	
Flood in Cat 3	20 (n=20)
Unsafe in Cat 3	70 (n=20)
Expect Evac Notice in Cat 3	80 (n=20)
Would Evac in Cat 3	-
Would Comply in Cat 3	85 (n=20)

Working Data Table 7. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Mobile Homes	
Flood in Cat 4-5	40 (n=20)
Unsafe in Cat 4-5	90 (n=20)
Expect Evac Notice in Cat 4-5	95 (n=20)
Would Evac in Cat 4-5	-
Would Comply in Cat 4-5	95 (n=20)

Working Data Table 8. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Mobile Homes	
Evacuated in Dennis	50 (n=18)
Heard Must	11 (n=18)
Heard Should	17 (n=18)
Heard Neither	72 (n=18)
Evacuated in Ivan	77 (n=17)
Heard Must	35 (n=17)
Heard Should	6 (n=17)
Heard Neither	59 (n=17)
Evacuated in Katrina	24 (n=17)
Heard Must	12 (n=17)
Heard Should	6 (n=17)
Heard Neither	82 (n=17)

Escambia County

Working Data Table 9. Evacuation in Dennis, Ivan, and Katrina, Depending on Type of Evacuation Notice Heard

	Site-Built Homes	Mobile Homes
Evacuated in Dennis IF		
Heard Must	71	-
Heard Should	56	-
Heard Neither	35	31 (n=13)
Evacuated in Ivan IF		
Heard Must	62	-
Heard Should	61	-
Heard Neither	38	60 (n=10)
Evacuated in Katrina IF		
Heard Must	88	-
Heard Should	41	-
Heard Neither	12	14 (n=14)

Escambia County

Working Data Table 10. Intended Use of Public Shelters, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Public Shelter in Cat 2	4	10	3	12
Public Shelter in Cat 3	4	7	4	11
Public Shelter in Cat 4-5	4	5	4	10
Could Stay w/ Friend/Rel	67			
Public Shelter in Dennis	6	8	0	7
Public Shelter in Ivan	6	3	0	20
Public Shelter in Katrina	0 (n=17)	4	0 (n=12)	-

Working Data Table 11. Type of Refuge Used in Dennis, Ivan, and Katrina

	Site-Built Homes	Mobile Homes
Public Shelters		
Dennis	5	-
Ivan	5	8 (n=13)
Katrina	3	-
Friends/Relatives		
Dennis	63	-
Ivan	68	77
Katrina	72	-
Hotels/Motels		
Dennis	19	-
Ivan	20	15
Katrina	16	-
Other		
Dennis	100 (n=17)	-
Ivan	8	0 (n=13)
Katrina	5	-

Working Data Table 12. Intended Use of Public Shelter, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Mobile Homes	
Public Shelter in Cat 2	15 (n=20)
Public Shelter in Cat 3	10 (n=20)
Public Shelter in Cat 4-5	10 (n=20)
Could Stay w/ Friend/Rel	-
Public Shelter in Dennis	-
Public Shelter in Ivan	8 (n=13)
Public Shelter in Katrina	-

Escambia County

Working Data Table 13. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Out of County in Cat 2	73	53	75	68
Out of County in Cat 3	79	56	76	71
Out of County in Cat 4-5	83	63	78	73
Out of County in Dennis	81	44	82	87
Out of County in Ivan	75	58	74	65
Out of County in Katrina	59 (n=17)	57	58 n=12)	-

Working Data Table 14. Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Region Total	Site-Built Homes	Mobile Homes
Out of County		
Dennis	72	-
Ivan	69	46 (n=13)
Katrina	58	-

Working Data Table 15. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Mobile Homes	
Out of County In Cat 2	35 (n=17)
Out of County in Cat 3	41 (n=17)
Out of County in Cat 4-5	44 (n=18)
Out of County in Dennis	-
Out of County in Ivan	46 (n=13)
Out of County in Katrina	-

Working Data Table 16. Percent of Vehicles Available to Household Evacuees Intend to Use in Evacuation

Vehicle Use	Cat 1	Cat 3	Cat 4-5	Non-surge
Site Built Homes	84			71
Mobile Homes	66			97

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX B3

Holmes County Working Data Tables



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Holmes County

Working Data Table 1. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Site Built Homes	
Flood in Cat 2	9
Unsafe in Cat 2	15
Expect Evac Notice in Cat 2	33
Would Evac in Cat 2*	70
Would Comply in Cat 2	75

Working Data Table 2. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Site Built Homes	
Flood in Cat 3	14
Unsafe in Cat 3	36
Expect Evac Notice in Cat 3	57
Would Evac in Cat 3*	83
Would Comply in Cat 3	85

Working Data Table 3. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Site Built Homes	
Flood in Cat 4-5	25
Unsafe in Cat 4-5	70
Expect Evac Notice in Cat 4-5	84
Would Evac in Cat 4-5*	91
Would Comply in Cat 4-5	91

Working Data Table 4. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Site Built Homes	
Evacuated in Dennis	13
Heard Must	1
Heard Should	2
Heard Neither	96
Evacuated in Ivan	10
Heard Must	0
Heard Should	9
Heard Neither	91
Evacuated in Katrina	8
Heard Must	0
Heard Should	2
Heard Neither	98

Holmes County

Working Data Table 5. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Mobile Homes	
Flood in Cat 2	8
Unsafe in Cat 2	54
Expect Evac Notice in Cat 2	56
Would Evac in Cat 2*	-
Would Comply in Cat 2	77

Working Data Table 6. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Mobile Homes	
Flood in Cat 3	28
Unsafe in Cat 3	72
Expect Evac Notice in Cat 3	74
Would Evac in Cat 3*	-
Would Comply in Cat 3	87

Working Data Table 7. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Mobile Homes	
Flood in Cat 4-5	39
Unsafe in Cat 4-5	90
Expect Evac Notice in Cat 4-5	87
Would Evac in Cat 4-5*	-
Would Comply in Cat 4-5	97

Working Data Table 8. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Mobile Homes	
Evacuated in Dennis	43
Heard Must	7
Heard Should	11
Heard Neither	82
Evacuated in Ivan	36
Heard Must	8
Heard Should	16
Heard Neither	76
Evacuated in Katrina	30
Heard Must	0
Heard Should	15
Heard Neither	85

Holmes County

Holmes County

Working Data Table 9. Evacuation in Dennis, Ivan, and Katrina, Depending on Type of Evacuation Notice Heard

	Site-Built Homes	Mobile Homes
Evacuated in Dennis IF		
Heard Must	-	-
Heard Should	-	-
Heard Neither	11	30
Evacuated in Ivan IF		
Heard Must	-	-
Heard Should	-	-
Heard Neither	7	37 (n=19)
Evacuated in Katrina IF		
Heard Must	-	-
Heard Should	-	-
Heard Neither	9	22

Holmes County

Working Data Table 10. Intended Use of Public Shelters, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Site Built Homes	
Public Shelter in Cat 2	13
Public Shelter in Cat 3	13
Public Shelter in Cat 4-5	13
Could Stay w/ Friend/Rel	65 (n=17)
Public Shelter in Dennis	8 (n=12)
Public Shelter in Ivan	-
Public Shelter in Katrina	-

Working Data Table 11. Type of Refuge Used in Dennis, Ivan, and Katrina

	Site-Built Homes	Mobile Homes
Public Shelters		
Dennis	8 (n=12)	8 (n=12)
Ivan	-	-
Katrina	-	-
Friends/Relatives		
Dennis	75 (n=12)	75 (n=12)
Ivan	-	-
Katrina	-	-
Hotels/Motels		
Dennis	0 (n=12)	0 (n=12)
Ivan	-	-
Katrina	-	-
Other		
Dennis	-	-
Ivan	-	-
Katrina	-	-

Working Data Table 12. Intended Use of Public Shelter, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Mobile Homes	
Public Shelter in Cat 2	21
Public Shelter in Cat 3	18
Public Shelter in Cat 4-5	18
Could Stay w/ Friend/Rel	-
Public Shelter in Dennis	8 (n=12)
Public Shelter in Ivan	-
Public Shelter in Katrina	-

Holmes County

Working Data Table 13. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Site Built Homes	
Out of County in Cat 2	63
Out of County in Cat 3	62
Out of County in Cat 4-5	66
Out of County in Dennis	-
Out of County in Ivan	-
Out of County in Katrina	-

Working Data Table 14. Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Region Total	Site-Built Homes	Mobile Homes
Out of County		
Dennis	-	64 (n=11)
Ivan	-	-
Katrina	-	-

Working Data Table 15. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Mobile Homes	
Out of County In Cat 2	39
Out of County in Cat 3	42
Out of County in Cat 4-5	50
Out of County in Dennis	64 (n=11)
Out of County in Ivan	-
Out of County in Katrina	-

Working Data Table 16. Percent of Vehicles Available to Household Evacuees Intend to Use in Evacuation

Vehicle Use	
Site Built Homes	74
Mobile Homes	77

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX B4

Okaloosa County Working Data Tables



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Okaloosa County

Working Data Table 1. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 2	15	4	12	6
Unsafe in Cat 2	30	16	13	19
Expect Evac Notice in Cat 2	47	39	33	30
Would Evac in Cat 2*	-	45	47	53
Would Comply in Cat 2	72	71	65	62

Working Data Table 2. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 3	34	13	16	15
Unsafe in Cat 3	56	38	40	43
Expect Evac Notice in Cat 3	76	62	61	38
Would Evac in Cat 3*	-	76	73	70
Would Comply in Cat 3	76	76	74	83

Working Data Table 3. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 4-5	56	37	35	30
Unsafe in Cat 4-5	77	73	70	70
Expect Evac Notice in Cat 4-5	87	85	82	85
Would Evac in Cat 4-5*	-	97	87	87
Would Comply in Cat 4-5	88	93	90	92

Working Data Table 4. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Evacuated in Dennis	41	31	27	33
Heard Must	11	7	4	5
Heard Should	21	16	21	18
Heard Neither	68	76	75	76
Evacuated in Ivan	57	37	32	26
Heard Must	21	6	7	6
Heard Should	21	22	32	14
Heard Neither	59	71	62	80
Evacuated in Katrina	18	12	14	24
Heard Must	3	2	1	0
Heard Should	15	11	17	11
Heard Neither	82	87	82	89

Okaloosa County

Working Data Table 4. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Mobile Homes	
Flood in Cat 2	-
Unsafe in Cat 2	-
Expect Evac Notice in Cat 2	-
Would Evac in Cat 2	-
Would Comply in Cat 2	-

Working Data Table 5. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Mobile Homes	
Flood in Cat 3	-
Unsafe in Cat 3	-
Expect Evac Notice in Cat 3	-
Would Evac in Cat 3	-
Would Comply in Cat 3	-

Working Data Table 6. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Mobile Homes	
Flood in Cat 4-5	-
Unsafe in Cat 4-5	-
Expect Evac Notice in Cat 4-5	-
Would Evac in Cat 4-5	-
Would Comply in Cat 4-5	-

Working Data Table 7. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Mobile Homes	
Evacuated in Dennis	-
Heard Must	-
Heard Should	-
Heard Neither	-
Evacuated in Ivan	-
Heard Must	-
Heard Should	-
Heard Neither	-
Evacuated in Katrina	-
Heard Must	-
Heard Should	-
Heard Neither	-

Okaloosa County

Working Data Table 8. Evacuation in Dennis, Ivan, and Katrina, Depending on Type of Evacuation Notice Heard

	Site-Built Homes	Mobile Homes
Evacuated in Dennis IF		
Heard Must	83	-
Heard Should	44	-
Heard Neither	27	-
Evacuated in Ivan IF		
Heard Must	82	-
Heard Should	53	-
Heard Neither	30	-
Evacuated in Katrina IF		
Heard Must	-	-
Heard Should	48	-
Heard Neither	10	-

Okaloosa County

Working Data Table 9. Intended Use of Public Shelters, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Public Shelter in Cat 2	2	3	7	9
Public Shelter in Cat 3	2	3	7	9
Public Shelter in Cat 4-5	1	3	6	4
Could Stay w/ Friend/Rel	59 (n=17)			
Public Shelter in Dennis	0	3	4	0
Public Shelter in Ivan	0	0	4	-
Public Shelter in Katrina	0 (n=18)	0 (n=12)	0 (n=12)	-

Working Data Table 10. Type of Refuge Used in Dennis, Ivan, and Katrina

	Site-Built Homes	Mobile Homes
Public Shelters		
Dennis	2	-
Ivan	1	-
Katrina	0	-
Friends/Relatives		
Dennis	57	-
Ivan	55	-
Katrina	67	-
Hotels/Motels		
Dennis	28	-
Ivan	27	-
Katrina	22	-
Other		
Dennis	0 (n=11)	-
Ivan	13	-
Katrina	10	-

Working Data Table 11. Intended Use of Public Shelter, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Mobile Homes	
Public Shelter in Cat 2	-
Public Shelter in Cat 3	-
Public Shelter in Cat 4-5	-
Could Stay w/ Friend/Rel	-
Public Shelter in Dennis	-
Public Shelter in Ivan	-
Public Shelter in Katrina	-

Okaloosa County

Working Data Table 12. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Out of County in Cat 2	83	81	78	78
Out of County in Cat 3	83	81	78	78
Out of County in Cat 4-5	88	84	82	91
Out of County in Dennis	94	93	91	82 (n=11)
Out of County in Ivan	81	96	92	-
Out of County in Katrina	94 (n=17)	83 (n=12)	82 (n=11)	-

Working Data Table 13. Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Region Total	Site-Built Homes	Mobile Homes
Out of County		
Dennis	88	-
Ivan	85	-
Katrina	82	-

Working Data Table 14. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Mobile Homes	
Out of County In Cat 2	-
Out of County in Cat 3	-
Out of County in Cat 4-5	-
Out of County in Dennis	-
Out of County in Ivan	-
Out of County in Katrina	-

Working Data Table 15. Percent of Vehicles Available to Household Evacuees Intend to Use in Evacuation

Vehicle Use	Cat 1	Cat 3	Cat 4-5	Non-surge
Site Built Homes	80			73
Mobile Homes	72 (n=7)			

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX B5

Santa Rosa County Working Data Tables



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Santa Rosa County

Working Data Table 1. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 2	16	21	6	5
Unsafe in Cat 2	27	22	19	9
Expect Evac Notice in Cat 2	45	46	45	30
Would Evac in Cat 2*	-	59	43	41
Would Comply in Cat 2	72	68	73	72

Working Data Table 2. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 3	27	35	14	17
Unsafe in Cat 3	54	46	35	35
Expect Evac Notice in Cat 3	75	74	68	56
Would Evac in Cat 3*	-	82	75	62
Would Comply in Cat 3	90	82	84	81

Working Data Table 3. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 4-5	57	43	36	29
Unsafe in Cat 4-5	76	72	71	58
Expect Evac Notice in Cat 4-5	94	92	89	80
Would Evac in Cat 4-5*	-	96	89	83
Would Comply in Cat 4-5	98	89	92	92

Working Data Table 4. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Evacuated in Dennis	54	49	44	36
Heard Must	7	10	6	3
Heard Should	24	21	17	12
Heard Neither	69	69	77	85
Evacuated in Ivan	70	60	54	34
Heard Must	22	18	18	4
Heard Should	29	24	23	18
Heard Neither	49	58	59	78
Evacuated in Katrina	16	15	17	10
Heard Must	3	0	4	0
Heard Should	16	13	9	4
Heard Neither	82	87	87	96

Santa Rosa County

Working Data Table 5. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Mobile Homes	
Flood in Cat 2	10
Unsafe in Cat 2	45
Expect Evac Notice in Cat 2	66
Would Evac in Cat 2	-
Would Comply in Cat 2	69

Working Data Table 6. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Mobile Homes	
Flood in Cat 3	14
Unsafe in Cat 3	69
Expect Evac Notice in Cat 3	76
Would Evac in Cat 3	-
Would Comply in Cat 3	76

Working Data Table 7. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Mobile Homes	
Flood in Cat 4-5	31
Unsafe in Cat 4-5	86
Expect Evac Notice in Cat 4-5	90
Would Evac in Cat 4-5	-
Would Comply in Cat 4-5	97

Working Data Table 8. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Mobile Homes	
Evacuated in Dennis	50
Heard Must	9
Heard Should	18
Heard Neither	73
Evacuated in Ivan	81
Heard Must	14
Heard Should	19
Heard Neither	67
Evacuated in Katrina	29
Heard Must	10
Heard Should	19
Heard Neither	71

Santa Rosa County

Working Data Table 9. Evacuation in Dennis, Ivan, and Katrina, Depending on Type of Evacuation Notice Heard

	Site-Built Homes	Mobile Homes
Evacuated in Dennis IF		
Heard Must	85	-
Heard Should	66	-
Heard Neither	38	44 (n=16)
Evacuated in Ivan IF		
Heard Must	85	-
Heard Should	72	-
Heard Neither	40	86 (n=14)
Evacuated in Katrina IF		
Heard Must	-	-
Heard Should	42	-
Heard Neither	10	20 (n=15)

Santa Rosa County

Working Data Table 10. Intended Use of Public Shelters, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	
Public Shelter in Cat 2	4	10	3	8	
Public Shelter in Cat 3	5	9	4	7	
Public Shelter in Cat 4-5	2	9	3	5	
Could Stay w/ Friend/Rel	81				
Public Shelter in Dennis	0	6	6	13	
Public Shelter in Ivan	2	2	5	13	
Public Shelter in Katrina	0 (n=12)	10 (n=10)	8 (n=13)	-	

Working Data Table 11. Type of Refuge Used in Dennis, Ivan, and Katrina

	Site-Built Homes	Mobile Homes
Public Shelters		
Dennis	5	18 (n=11)
Ivan	4	12 (n=17)
Katrina	7	-
Friends/Relatives		
Dennis	54	73 (n=11)
Ivan	53	71 (n=17)
Katrina	52	-
Hotels/Motels		
Dennis	31	9 (n=11)
Ivan	31	12 (n=17)
Katrina	19	-
Other		
Dennis	100 (n=12)	-
Ivan	9	6 (n=17)
Katrina	19	-

Working Data Table 12. Intended Use of Public Shelter, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Mobile Homes	
Public Shelter in Cat 2	14
Public Shelter in Cat 3	17
Public Shelter in Cat 4-5	10
Could Stay w/ Friend/Rel	-
Public Shelter in Dennis	18(n=11)
Public Shelter in Ivan	12 (n=17)
Public Shelter in Katrina	-

Santa Rosa County

Working Data Table 13. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Out of County in Cat 2	92	73	90	77
Out of County in Cat 3	92	75	86	78
Out of County in Cat 4-5	93	80	92	87
Out of County in Dennis	95	85	91	80
Out of County in Ivan	92	79	81	64
Out of County in Katrina	83 (n=12)	-	85 (n=13)	-

Working Data Table 14. Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Region Total	Site-Built Homes	Mobile Homes
Out of County		
Dennis	89	-
Ivan	82	71 (n=17)
Katrina	74	-

Working Data Table 15. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Mobile Homes	
Out of County In Cat 2	68 (n=19)
Out of County in Cat 3	68
Out of County in Cat 4-5	82
Out of County in Dennis	-
Out of County in Ivan	71 (n=17)
Out of County in Katrina	-

Working Data Table 16. Percent of Vehicles Available to Household Evacuees Intend to Use in Evacuation

Vehicle Use	Cat 1	Cat 3	Cat 4-5	Non-surge
Site Built Homes	73			64
Mobile Homes	75			77 (n=10)

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX B6

Walton County Working Data Tables



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Walton County

Working Data Table 1. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 2	17	15	21	8
Unsafe in Cat 2	31	23	23	13
Expect Evac Notice in Cat 2	61	53	53	24
Would Evac in Cat 2*	88	79	71	42
Would Comply in Cat 2	76	67	64	47

Working Data Table 2. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 3	36	32	29	9
Unsafe in Cat 3	67	55	44	27
Expect Evac Notice in Cat 3	86	84	67	47
Would Evac in Cat 3*	96	82	79	63
Would Comply in Cat 3	92	83	72	64

Working Data Table 3. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Flood in Cat 4-5	54	53	52	23
Unsafe in Cat 4-5	81	70	71	55
Expect Evac Notice in Cat 4-5	93	97	84	69
Would Evac in Cat 4-5*	96	96	83	71
Would Comply in Cat 4-5	96	92	81	81

Working Data Table 4. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Evacuated in Dennis	61	37	29	10
Heard Must	14	8	11	2
Heard Should	21	18	19	15
Heard Neither	65	74	69	84
Evacuated in Ivan	59	50	36	19
Heard Must	24	15	12	3
Heard Should	25	27	25	14
Heard Neither	51	58	63	83
Evacuated in Katrina	30	19	13	5
Heard Must	3	1	2	2
Heard Should	12	4	8	6
Heard Neither	85	94	90	92

Walton County

Working Data Table 5. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Mobile Homes	
Flood in Cat 2	16
Unsafe in Cat 2	44
Expect Evac Notice in Cat 2	57
Would Evac in Cat 2	81
Would Comply in Cat 2	73

Working Data Table 6. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Mobile Homes	
Flood in Cat 3	30
Unsafe in Cat 3	67
Expect Evac Notice in Cat 3	74
Would Evac in Cat 3	81
Would Comply in Cat 3	81

Working Data Table 7. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Mobile Homes	
Flood in Cat 4-5	44
Unsafe in Cat 4-5	71
Expect Evac Notice in Cat 4-5	91
Would Evac in Cat 4-5	86
Would Comply in Cat 4-5	90

Working Data Table 8. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Mobile Homes	
Evacuated in Dennis	42
Heard Must	13
Heard Should	22
Heard Neither	65
Evacuated in Ivan	46
Heard Must	18
Heard Should	24
Heard Neither	58
Evacuated in Katrina	22
Heard Must	7
Heard Should	7
Heard Neither	86

Walton County

Working Data Table 9. Evacuation in Dennis, Ivan, and Katrina, Depending on Type of Evacuation Notice Heard

	Site-Built Homes	Mobile Homes
Evacuated in Dennis IF		
Heard Must	83	-
Heard Should	51	42 (n=12)
Heard Neither	25	31
Evacuated in Ivan IF		
Heard Must	75	-
Heard Should	64	50 (n=12)
Heard Neither	25	35
Evacuated in Katrina IF		
Heard Must	-	-
Heard Should	70	-
Heard Neither	11	13

Walton County

Working Data Table 10. Intended Use of Public Shelters, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Public Shelter in Cat 2	2	0	12	10
Public Shelter in Cat 3	2	0	11	9
Public Shelter in Cat 4-5	2	0	11	13
Could Stay w/ Friend/Rel	61			
Public Shelter in Dennis	0	4	6 (n=18)	-
Public Shelter in Ivan	0	3	10	0 (n=12)
Public Shelter in Katrina	0	15 (n=13)	-	-

Working Data Table 11. Type of Refuge Used in Dennis, Ivan, and Katrina

	Site-Built Homes	Mobile Homes
Public Shelters		
Dennis	2	4
Ivan	3	0
Katrina	7	0 (n=12)
Friends/Relatives		
Dennis	55	61
Ivan	58	65
Katrina	48	67 (n=12)
Hotels/Motels		
Dennis	25	17
Ivan	23	17
Katrina	16	17 (n=12)
Other		
Dennis	100 (n=16)	-
Ivan	12	17
Katrina	23	17 (n=12)

Working Data Table 12. Intended Use of Public Shelter, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Mobile Homes	
Public Shelter in Cat 2	12
Public Shelter in Cat 3	10
Public Shelter in Cat 4-5	10
Could Stay w/ Friend/Rel	50 (n=10)
Public Shelter in Dennis	4
Public Shelter in Ivan	0
Public Shelter in Katrina	0 (n=12)

Walton County

Working Data Table 13. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge
Out of County in Cat 2	92	89	83	60
Out of County in Cat 3	92	93	87	60
Out of County in Cat 4-5	92	93	83	65
Out of County in Dennis	87	89	89 (n=18)	-
Out of County in Ivan	91	90	84 (n=19)	75 (n=12)
Out of County in Katrina	79 (n=19)	92 (n=13)	-	-

Working Data Table 14. Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Region Total	Site-Built Homes	Mobile Homes
Out of County		
Dennis	88	74 (n=19)
Ivan	87	83
Katrina	79	64 (n=11)

Working Data Table 15. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Mobile Homes	
Out of County In Cat 2	69
Out of County in Cat 3	71
Out of County in Cat 4-5	74
Out of County in Dennis	74 (n=19)
Out of County in Ivan	83
Out of County in Katrina	64 (n=11)

Working Data Table 16. Percent of Vehicles Available to Household Evacuees Intend to Use in Evacuation

Vehicle Use	Cat 1	Cat 3	Cat 4-5	Non-surge
Site Built Homes	77			95
Mobile Homes	86			89

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX B7

Washington County Working Data Tables



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Washington County

Working Data Table 1. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Site Built Homes	
Flood in Cat 2	7
Unsafe in Cat 2	15
Expect Evac Notice in Cat 2	38
Would Evac in Cat 2*	48
Would Comply in Cat 2	73

Working Data Table 2. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Site Built Homes	
Flood in Cat 3	19
Unsafe in Cat 3	47
Expect Evac Notice in Cat 3	63
Would Evac in Cat 3*	70
Would Comply in Cat 3	87

Working Data Table 3. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Site Built Homes	
Flood in Cat 4-5	30
Unsafe in Cat 4-5	74
Expect Evac Notice in Cat 4-5	85
Would Evac in Cat 4-5*	87
Would Comply in Cat 4-5	94

Working Data Table 4. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Site Built Homes	
Evacuated in Dennis	17
Heard Must	1
Heard Should	7
Heard Neither	92
Evacuated in Ivan	20
Heard Must	1
Heard Should	7
Heard Neither	92
Evacuated in Katrina	11
Heard Must	2
Heard Should	5
Heard Neither	93

Washington County

Working Data Table 5. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Mobile Homes	
Flood in Cat 2	3
Unsafe in Cat 2	54
Expect Evac Notice in Cat 2	57
Would Evac in Cat 2*	-
Would Comply in Cat 2	81

Working Data Table 6. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Mobile Homes	
Flood in Cat 3	30
Unsafe in Cat 3	76
Expect Evac Notice in Cat 3	76
Would Evac in Cat 3*	-
Would Comply in Cat 3	81

Working Data Table 7. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Mobile Homes	
Flood in Cat 4-5	38
Unsafe in Cat 4-5	81
Expect Evac Notice in Cat 4-5	97
Would Evac in Cat 4-5*	-
Would Comply in Cat 4-5	92

Working Data Table 8. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Mobile Homes	
Evacuated in Dennis	19
Heard Must	0
Heard Should	28
Heard Neither	72
Evacuated in Ivan	35
Heard Must	0
Heard Should	12
Heard Neither	89
Evacuated in Katrina	15
Heard Must	0
Heard Should	11
Heard Neither	90

Washington County

Working Data Table 9. Evacuation in Dennis, Ivan, and Katrina, Depending on Type of Evacuation Notice Heard

	Site-Built Homes	Mobile Homes
Evacuated in Dennis IF		
Heard Must	-	-
Heard Should	-	-
Heard Neither	16	17 (n=18)
Evacuated in Ivan IF		
Heard Must	-	-
Heard Should	-	-
Heard Neither	15	26
Evacuated in Katrina IF		
Heard Must	-	-
Heard Should	-	-
Heard Neither	8	8

Washington County

Working Data Table 10. Intended Use of Public Shelters, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Site Built Homes	
Public Shelter in Cat 2	19
Public Shelter in Cat 3	18
Public Shelter in Cat 4-5	18
Could Stay w/ Friend/Rel	-
Public Shelter in Dennis	7 (n=15)
Public Shelter in Ivan	12 (n=17)
Public Shelter in Katrina	18 (n=11)

Working Data Table 11. Type of Refuge Used in Dennis, Ivan, and Katrina

	Site-Built Homes	Mobile Homes
Public Shelters		
Dennis	7 (n=15)	-
Ivan	12 (n=17)	-
Katrina	18 (n=11)	-
Friends/Relatives		
Dennis	80 (n=15)	-
Ivan	77 (n=17)	-
Katrina	55 (n=11)	-
Hotels/Motels		
Dennis	7 (n=17)	-
Ivan	6 (n=17)	-
Katrina	9 (n=11)	-
Other		
Dennis	-	-
Ivan	6 (n=17)	-
Katrina	9 (n=11)	-

Working Data Table 12. Intended Use of Public Shelter, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Mobile Homes	
Public Shelter in Cat 2	11
Public Shelter in Cat 3	16
Public Shelter in Cat 4-5	16
Could Stay w/ Friend/Rel	-
Public Shelter in Dennis	-
Public Shelter in Ivan	-
Public Shelter in Katrina	-

Washington County

Working Data Table 13. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Site Built Homes	
Out of County in Cat 2	65
Out of County in Cat 3	66
Out of County in Cat 4-5	68
Out of County in Dennis	71 (n=14)
Out of County in Ivan	63 (n=16)
Out of County in Katrina	30 (n=10)

Working Data Table 14. Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Region Total	Site-Built Homes	Mobile Homes
Out of County		
Dennis	71 (n=14)	-
Ivan	63 (n=16)	-
Katrina	30 (n=10)	-

Working Data Table 15. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Mobile Homes	
Out of County In Cat 2	55
Out of County in Cat 3	53
Out of County in Cat 4-5	63
Out of County in Dennis	-
Out of County in Ivan	-
Out of County in Katrina	-

Working Data Table 16. Percent of Vehicles Available to Household Evacuees Intend to Use in Evacuation

Vehicle Use	
Site Built Homes	68
Mobile Homes	68

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Volume 2-1 West Florida Region

Regional Behavioral Analysis

APPENDIX B8

West Florida Region Working Data Tables



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West Florida Region

Working Data Table 1. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Flood in Cat 2	20	14	12	6	8
Unsafe in Cat 2	31	23	20	16	15
Expect Evac Notice in Cat 2	55	50	44	34	35
Would Evac in Cat 2*	71	62	54	48	59
Would Comply in Cat 2	73	68	69	63	74

Working Data Table 2. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Flood in Cat 3	36	30	21	15	16
Unsafe in Cat 3	60	51	42	37	42
Expect Evac Notice in Cat 3	81	76	67	56	60
Would Evac in Cat 3*	86	80	73	64	76
Would Comply in Cat 3	85	80	79	76	86

Working Data Table 3. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Flood in Cat 4-5	56	49	43	29	27
Unsafe in Cat 4-5	78	74	70	64	72
Expect Evac Notice in Cat 4-5	92	92	84	79	84
Would Evac in Cat 4-5*	98	96	86	82	89
Would Comply in Cat 4-5	93	91	89	88	92

Working Data Table 4. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Evacuated in Dennis	48	38	35	25	15
Heard Must	12	10	7	4	1
Heard Should	23	17	18	16	5
Heard Neither	65	73	75	80	94
Evacuated in Ivan	58	44	43	25	14
Heard Must	22	15	15	5	1
Heard Should	27	26	24	19	8
Heard Neither	51	59	61	76	91
Evacuated in Katrina	19	17	15	9	10
Heard Must	3	5	2	2	1
Heard Should	15	8	12	8	4
Heard Neither	82	87	86	90	95

West Florida

Working Data Table 5. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 100 MPH Category 2 Hurricane

Mobile Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Flood in Cat 2	30	17	24	2	5
Unsafe in Cat 2	50	40	49	49	54
Expect Evac Notice in Cat 2	75	66	59	56	57
Would Evac in Cat 2	-	73 (n=11)	72 (n=18)	77 (n=13)	79 (n=14)
Would Comply in Cat 2	65	74	63	84	79

Working Data Table 6. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 125 MPH Category 3 Hurricane

Mobile Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Flood in Cat 3	35	26	34	16	29
Unsafe in Cat 3	90	71	56	69	74
Expect Evac Notice in Cat 3	90	86	73	73	75
Would Evac in Cat 3	-	91 (n=11)	78 (n=18)	69 (n=13)	80 (n=15)
Would Comply in Cat 3	85	83	81	78	84

Working Data Table 7. Perceived Vulnerability, Expectation of Receiving an Evacuation Notice from Officials, and Evacuation Intentions in a 155 MPH Category 4 (nearly 5) Hurricane

Mobile Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Flood in Cat 4-5	45	49	54	27	38
Unsafe in Cat 4-5	95	83	71	78	86
Expect Evac Notice in Cat 4-5	95	91	90	93	92
Would Evac in Cat 4-5	-	100 (n=11)	89 (n=18)	69 (n=13)	100 (n=15)
Would Comply in Cat 4-5	95	94	83	96	95

Working Data Table 8. Evacuation in Dennis, Ivan, and Katrina and Type of Evacuation Notice Heard, if any

Mobile Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Evacuated in Dennis	44 (n=16)	59	37	44	32
Heard Must	6	21	13	12	4
Heard Should	25	21	20	19	19
Heard Neither	69	58	67	69	77
Evacuated in Ivan	56 (n=16)	56	43	66	35
Heard Must	19	20	20	20	4
Heard Should	25	28	17	9	14
Heard Neither	56	52	63	71	82
Evacuated in Katrina	31 (n=16)	30	25	15	22
Heard Must	13	11	6	7	0
Heard Should	0	11	13	15	13
Heard Neither	87	78	81	78	87

West Florida

Working Data Table 9. Evacuation in Dennis, Ivan, and Katrina, Depending on Type of Evacuation Notice Heard

	Site-Built Homes	Mobile Homes
Evacuated in Dennis IF		
Heard Must	74	100 (n=18)
Heard Should	49	50
Heard Neither	27	31
Evacuated in Ivan IF		
Heard Must	77	83
Heard Should	57	54
Heard Neither	26	41
Evacuated in Katrina IF		
Heard Must	60	80 (n=10)
Heard Should	43	45
Heard Neither	10	16

West Florida

Working Data Table 10. Intended Use of Public Shelters, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Public Shelter in Cat 2	3	6	6	11	16
Public Shelter in Cat 3	3	5	6	10	15
Public Shelter in Cat 4-5	3	5	6	9	15
Could Stay w/ Friend/Rel	62	75	75	55	63
Public Shelter in Dennis	2	5	3	7	7
Public Shelter in Ivan	2	3	4	8	12
Public Shelter in Katrina	-	8	4	7	11 (n=19)

Working Data Table 11. Type of Refuge Used in Dennis, Ivan, and Katrina

	Site-Built Homes	Mobile Homes
Public Shelters		
Dennis	4	11
Ivan	4	9
Katrina	5	8
Friends/Relatives		
Dennis	58	62
Ivan	60	65
Katrina	63	64
Hotels/Motels		
Dennis	25	13
Ivan	24	16
Katrina	17	13
Other		
Dennis	100	-
Ivan	100	9
Katrina	13	15

Working Data Table 12. Intended Use of Public Shelter, Having Friends with Whom Respondent Intending to Go to Public Shelter Could Stay, and Actual Public Shelter Use in Dennis, Ivan, and Katrina

Mobile Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Public Shelter in Cat 2	15	6	12	16	16
Public Shelter in Cat 3	15	3	12	16	17
Public Shelter in Cat 4-5	10	6	10	13	17
Could Stay w/ Friend/Rel	-	-	-	60 (n=10)	60 (n=15)
Public Shelter in Dennis	-	12 (n=17)	0 (n=11)	21 (n=19)	12 (n=17)
Public Shelter in Ivan	-	7 (n=14)	0 (n=13)	13	17 (n=18)
Public Shelter in Katrina	-	-	-	-	8 (n=12)

West Florida

Working Data Table 13. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Site Built Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Out of County in Cat 2	83	75	81	72	64
Out of County in Cat 3	84	77	82	73	64
Out of County in Cat 4-5	87	81	84	78	67
Out of County in Dennis	87	78	87	86	57
Out of County in Ivan	83	76	82	73	56
Out of County in Katrina	77	73	74	55	28 (n=18)

Working Data Table 14. Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Region Total	Site-Built Homes	Mobile Homes
Out of County		
Dennis	83	66
Ivan	78	63
Katrina	69	55

Working Data Table 15. Intention to Evacuate to Out-of-County Destination, Percent of Evacuees in Dennis, Ivan, and Katrina Evacuating Out-of-County

Mobile Homes	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Out of County In Cat 2	71 (n=14)	79	66	44	47
Out of County in Cat 3	71 (n=14)	81	65	51	48
Out of County in Cat 4-5	69 (n=13)	85	70	61	56
Out of County in Dennis	-	64 (n=14)	-	73 (n=15)	53 (n=15)
Out of County in Ivan	-	64 (n=14)	85 (n=13)	65	41 (n=17)
Out of County in Katrina	-	-	-	-	58 (n=12)

Working Data Table 16. Percent of Vehicles Available to Household Evacuees Intend to Use in Evacuation

Vehicle Use	Cat 1	Cat 2-3	Cat 4-5	Non-surge	Non-coastal
Site Built Homes	85	74	75	73	71
Mobile Homes	69	72	89	82	73