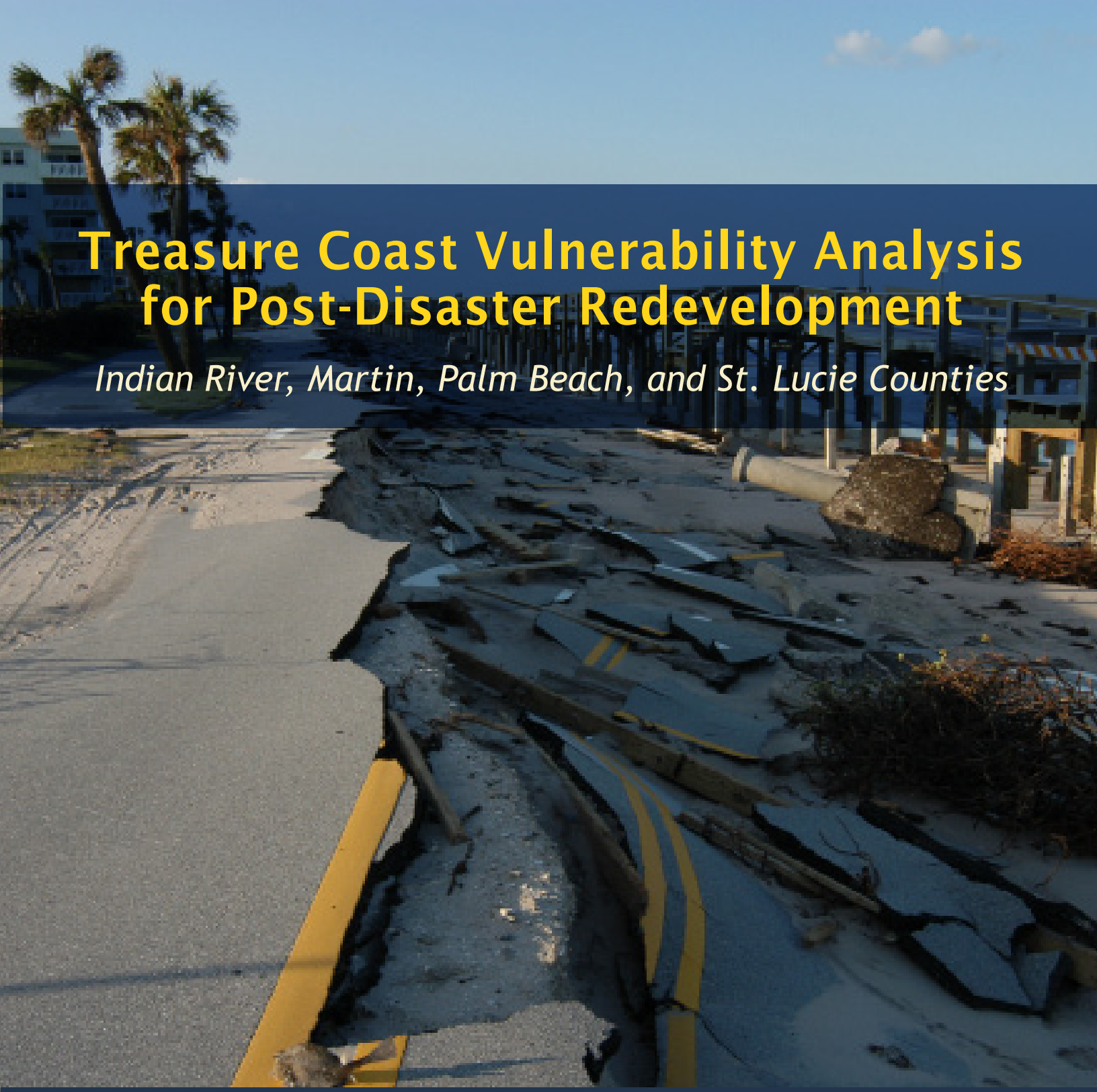

Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment

Indian River, Martin, Palm Beach, and St. Lucie Counties

Prepared for:

Treasure Coast Regional Planning Council
421 SW Camden Avenue
Stuart, Florida 34994

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Cover Photo: *Vero Beach, Florida, September 27, 2004 – A beachfront road and boardwalk in Vero Beach was severely damaged by Hurricane Jeanne. FEMA Photo/Mark Wolfe.*

CREDITS AND ACKNOWLEDGEMENTS

The Treasure Coast Regional Planning Council acknowledges and extends its appreciation to the following agencies for their cooperation and assistance in the development of the Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment:

County Emergency Management Agencies:

- Indian River County Emergency Services
- Martin County Emergency Management Agency
- Palm Beach County Emergency Management
- St. Lucie County Division of Emergency Management

County Planning and Growth Management Agencies:

- Indian River County Planning Division
- Martin County Growth Management
- Palm Beach County Planning Division
- St. Lucie County Growth Management Department

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1. INTRODUCTION

The Treasure Coast region is highly vulnerable to high winds from tropical storms and hurricanes, tidal and inland flooding, storm surge, sea level rise and coastal erosion, and wildfires. Each of the four Counties (Indian River, Martin, Palm Beach, and St. Lucie) experienced major impacts from recent hurricane seasons and are likely to experience more damage from future events. The double wallop of Hurricanes Frances (Category 2) and Jeanne (Category 3) making landfall near Stuart within the same month – and also impacting so much of the State – revealed many challenges, particularly the delay in homeowners' and businesses' ability to make timely repairs. These challenges were further compounded when Hurricane Wilma crossed the State in 2005 to exit on the southern border of Martin County, causing major power outages and widespread wind damage. The region, as well as the rest of the state, was further reminded of its tropical storm vulnerability in 2009 when Tropical Storm Fay caused severe flooding.

Overwash on Hutchinson Island following Hurricanes Frances (top) and Jeanne (bottom). Photo credit: USGS.

The Counties have also had recent experiences with major wildfire impacts as development has expanded into the wildland/urban interface. Port St. Lucie suffered a major wildfire in 1999 that resulted in the loss of 43 homes and severe damage to an additional 70 homes. In May 2009, two homes in Indiantown were destroyed, seven more were damaged, and two people were injured in the Indianwood Brush Fires. Dry conditions led to another active wildfire season in 2011.

Port St. Lucie, 1999.

Indian River, Martin, Palm Beach, and St. Lucie Counties have all made excellent recoveries from recent disasters; however, the vulnerabilities remain. The Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment was conducted to identify where the vulnerable structures, critical facilities, and populations are located throughout the Treasure Coast. The data tables and maps that were generated during this analysis were used to make recommendations for action strategies that address regional long-term redevelopment issues (**Section 8**).

2. WIND VULNERABILITY

The Wind Vulnerability Analysis was conducted using Geographic Information Systems (GIS) and county Property Appraiser data to identify the portion of Treasure Coast structure units that may be vulnerable to tropical storm and hurricane force winds due to structure age and location. The 2010 Property Appraiser parcel databases for Indian River, Martin, Palm Beach, and St. Lucie Counties were used to categorize parcels by wind vulnerability (Most, Moderately, or Least) using the "effective year built" field (see the **Wind Vulnerability Category** table below). The "effective year built" field reflects major renovations done to the structure or, if never renovated, it is the year built. The Florida Department of Revenue (DOR) Use Code field of the database was used to classify the parcels into the following simplified existing use categories: single family residential, multi-family residential, mobile home residential, institutional/governmental, commercial, industrial, agricultural, and miscellaneous/undefined. The specific DOR codes included in each category are listed in **Section 10**.

Any parcel in the Property Appraiser parcel database that did not have any indication that there was a structure built on it (i.e., the building value was equal to 0) was removed from the analysis. Parcels that had a building value greater than 0 but the "effective year built" and actual year built of the structure unit was unknown are included in the "Unknown" category of the **Estimated Vulnerability to Wind** tables included in this analysis.

Research shows that structures built after the Florida Building Code was adopted are less likely to sustain major damages from tropical storm and hurricane force winds. Structures built before these code enhancements have been shown to have a greater probability of sustaining wind damage with age. Based on a study by the University of Florida, this analysis estimates vulnerability using the year ranges shown in the Wind Vulnerability Category below (NASA Earth Observatory, 2005). Additional tables detailing estimated vulnerability to wind by jurisdiction are included in **Section 9**.

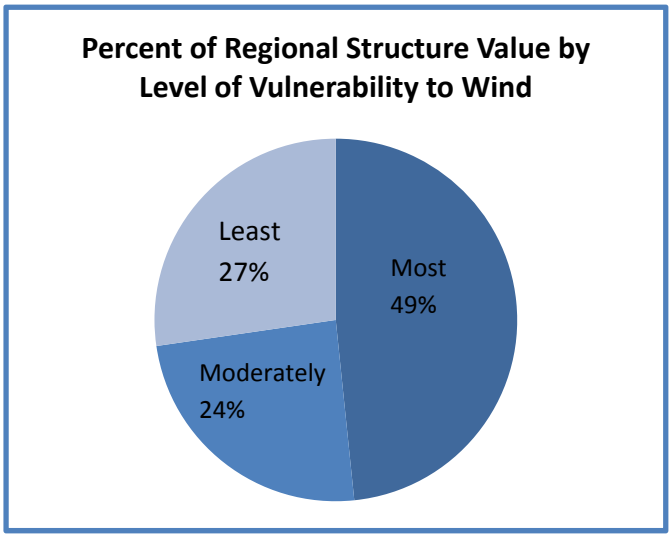
Wind Vulnerability Categories	
Wind Vulnerability Category	**Structure Effective Year Built Range**
Most	Before 1994
Moderately	1994 to 2001
Least	2002 to present

The tables below and the maps included in the **Wind Vulnerability Map Attachment** illustrate that an overwhelming proportion of the structure units located throughout the Treasure Coast will be likely to sustain wind damage from a tropical storm or hurricane due to the age of the structures. Almost 83%, or 719,763, of the units in the Treasure Coast were built before the Florida Building Code was enacted and are categorized as most or moderately vulnerable to wind in the tables below. The maps included in the **Wind Vulnerability Map Attachment** show that the units built before 2002 are spread relatively consistently throughout the region, interrupted with pockets of units that were built in 2002 or later especially in the northern counties of the region. Many of these pockets represent new developments built in the last decade to accommodate the growing population in the region. Over 24%, or 16,485, of

Indian River County structure units and almost 32%, or 40,515, of St. Lucie County units are considered least vulnerable to wind while least vulnerable units account for approximately 14% of total Martin and Palm Beach County units, or 10,385 and 84,578 units respectively. Notable concentrations of least vulnerable units are located north of Fellsmere, west of U.S. Route 1 in southern Indian River County, between Interstate 95 and the Florida Turnpike in southern St. Lucie County, and south of Stuart in Martin County[1]. In Palm Beach County, 420,791 (70%) of structure units are categorized as most vulnerable to wind and 99,751 units (almost 17%) are categorized as moderately vulnerable. The units built 2002 or later are heavily concentrated east of the Florida Turnpike while the units built between 1994 and 2001 are located west of the Florida Turnpike.

Almost 92%, or 660,978, of the units built before the Florida Building Code was enacted (those categorized as most or moderately vulnerable to wind damage) are residential units. Specifically 370,440, or 52%, of the most or moderately vulnerable units are single family residential, 280,843 (39%) are multi-family residential, and 9,695 (1%) are mobile homes. Over 4%, or 30,492, of the most or moderately vulnerable units are commercial while 1%, or 6,475, are institutional/governmental.

Regionally, units that are categorized as most or moderately vulnerable to wind damage account for 73% (over $96 billion) of the total value of units. Units categorized as most vulnerable make up nearly 50% (approximately $64 billion) of the total regional value. Least vulnerable units account for 17%, or 151,943, of the number of units region-wide but almost 27% ($36 billion) of the value.



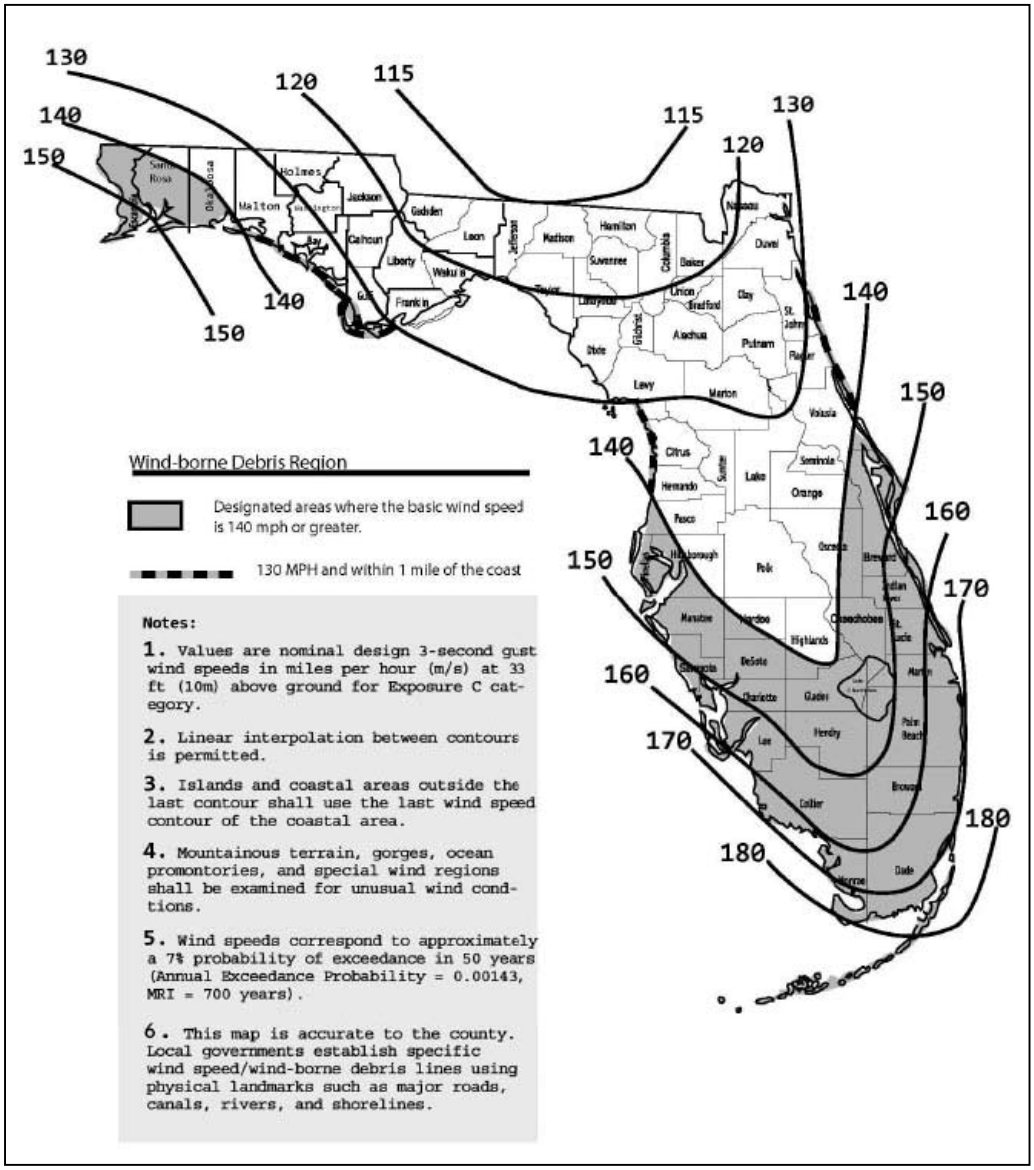
The statistics generated in this analysis are estimates and should be used only to make general assumptions about each county's structures and their vulnerability as a whole; they should not be used to draw conclusions about specific units. This analysis is based on the assumption that the likelihood that a unit will sustain damage from wind can be predicted based on the year the unit was built, assuming that the unit was built in accordance with (and not exceeding) the existing building codes at that time. This assumption is useful for the region and each county's stock of structures in general, but when looking at individual units, other factors specific to each property affect whether a unit will sustain damage. For example, while it was not mandated, homes in the Treasure Coast that were constructed before 2002 may have been built to higher standards. There is no data that can be realistically incorporated into this study that reflects deviations from typical building practices and so this analysis assumes that structures were

[1] According to the Martin County Growth Management Department, Martin County passed stricter building codes in 1996 which could result in the structures considered moderately vulnerable to wind in Martin County sustaining less wind damage than structures built during the same time period in the rest of the region.

constructed to meet standards set by the building codes of the year in which they were built. Also, the mitigation of structures after the 2004 Hurricane Season including the installation of shutters and roof clips would not affect a parcel's "effective year built". These modifications would make structures more resistant to hurricane force winds but there is no way to reflect these mitigation measures in the analysis.

As illustrated on the map following, all four of the counties making up the Treasure Coast region are located within the Wind-Borne Debris Region and could experience winds of 140 miles per hour or greater. The Florida Building Code mandates that buildings built in the Wind-Borne Debris Region meet minimum requirements for impact-resistance.

Map of Florida Wind-Borne Debris Region



Source: Florida Department of Business and Professional Regulation

Indian River County

Countywide Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	26,485	904,754.3	8,007	535,074.6	13,608	744,517.8	13	1,599.3	48,113	2,185,946.0
Multi-Family Residential	11,379	612,038.2	1,518	466,461.1	1,836	344,735.5	67	75,783.8	14,800	1,499,018.7
Mobile Home Residential	945	12,321.6	117	3,753.4	274	9,656.0	5	123.0	1,341	25,854.1
Institutional/Governmental	428	405,723.3	91	130,788.8	69	144,146.8	7	9,954.4	595	690,613.3
Commercial	1,305	304,194.6	335	246,273.4	454	177,893.9	86	25,215.5	2,180	753,577.4
Industrial	268	57,826.2	88	30,771.3	54	36,386.5	1	28.8	411	125,012.8
Agricultural	205	24,751.9	49	9,621.9	100	20,896.9	21	2,079.7	375	57,350.3
Miscellaneous/Undefined	178	15,108.6	11	3,565.7	70	6,405.4	33	3,778.7	292	28,858.4
Total	**41,193**	**2,336,718.7**	**10,216**	**1,426,310.1**	**16,465**	**1,484,638.8**	**233**	**118,563.2**	**68,107**	**5,366,230.9**

Martin County

Countywide Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	29,547	3,062,124.8	8,824	1,957,413.7	7,613	1,858,764.4	1	13.1	45,985	6,878,315.9
Multi-Family Residential	13,925	1,353,591.2	699	117,843.2	1,354	173,190.8	301	4,054.0	16,279	1,648,679.2
Mobile Home Residential	4,045	57,387.9	200	7,023.5	343	13,232.7	5	16.8	4,593	77,660.9
Institutional/Governmental	305	165,652.2	100	282,271.8	99	485,725.3	100	95,349.6	604	1,028,998.9
Commercial	1,122	331,531.6	390	242,666.9	438	386,289.1	47	6,551.6	1,997	967,039.2
Industrial	322	69,847.1	102	58,625.0	314	119,794.5	1	320.4	739	248,587.1
Agricultural	467	70,229.6	159	42,318.6	183	63,814.3	158	5,573.9	967	181,936.4
Miscellaneous/Undefined	167	2,548.3	24	69.9	41	3,537.9	108	1,363.3	340	7,519.4
Total	**49,900**	**5,112,912.7**	**10,498**	**2,708,232.5**	**10,385**	**3,104,349.0**	**721**	**113,242.7**	**71,504**	**11,038,736.9**

Palm Beach County

Countywide Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	169,055	15,674,357,952	65,094	11,020,320,044	40,124	8,197,216,553	0	0	274,273	34,891,894.5
Multi-Family Residential	216,281	23,560,654,906	23,188	4,266,532,021	31,021	6,214,086,118	0	0	270,490	34,041,273.0
Mobile Home Residential	335	83,134,707	183	60,772,720	114	30,718,570	0	0	632	174,626.0
Institutional/Governmental	3,280	1,587,937,500	886	1,281,025,620	991	1,719,156,004	0	0	5,157	4,588,119.1
Commercial	22,284	4,601,819,500	3,175	3,965,025,501	4,745	2,697,603,779	0	0	30,204	11,264,448.8
Industrial	4,724	894,759,439	889	390,502,190	592	352,885,620	2	697,400	6,207	1,638,844.6
Agricultural	491	13,560,320	300	37,082,240	320	61,275,290	0	0	1,111	111,917.9
Miscellaneous/Undefined	4,346	1,794,515,487	6,036	3,949,596,748	6,671	4,956,530,000	0	0	17,053	10,700,642.2
Total	**420,796**	**48,210,739.8**	**99,751**	**24,970,857.1**	**84,578**	**24,229,471.9**	**2**	**697.4**	**605,127**	**97,411,766.2**

St. Lucie County

Countywide Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	52,266	3,015,222.8	11,162	1,159,692.9	34,427	3,783,829.5	0	.0	97,855	7,958,745.2
Multi-Family Residential	12,625	1,576,224.0	1,228	832,146.9	3,466	1,221,194.7	0	.0	17,319	3,629,565.6
Mobile Home Residential	3,017	70,479.6	853	39,199.2	978	54,399.8	0	.0	4,848	164,078.6
Institutional/Governmental	1,796	1,123,799.8	292	315,082.8	335	1,024,289.4	3	4,297.9	2,426	2,467,469.9
Commercial	1,473	2,123,736.6	408	650,662.0	567	889,266.2	1	66.3	2,449	3,663,731.1
Industrial	906	332,011.2	218	89,956.8	538	335,427.8	1	572.7	1,663	757,968.5
Agricultural	983	203,817.6	90	45,278.5	183	69,118.7	0	.0	1,256	318,214.8
Miscellaneous/Undefined	76	38,200.1	16	8,999.5	21	3,626.7	0	.0	113	50,826.3
Total	**73,142**	**8,483,491.7**	**14,267**	**3,141,018.6**	**40,515**	**7,381,152.8**	**5**	**4,936.9**	**127,929**	**19,010,600.0**

3. FLOOD AND STORM SURGE VULNERABILITY

The Flood and Storm Surge Vulnerability analysis is a parcel-level analysis using structure age and location in the FEMA Special Flood Hazard Area (SFHA) and storm surge zones to estimate potential susceptibility to damage from flooding. Countywide tables are included in this section while jurisdiction-specific tables are included in **Section 9**. Corresponding maps are included in the **Flood and Storm Surge Vulnerability Map Attachment**.

The tables on pages 10 and 11 were created using Geographic Information Systems (GIS) and county Property Appraiser parcel data to identify structures that are vulnerable to flooding based on presence in the SFHA and the "effective year built" field. Parcels containing structures (i.e., the building value was greater than 0) were overlaid with the SFHA shapefile to identify intersecting parcels. Parcels with any portion intersected by one of these SFHA were included in the analysis and those that did not intersect a flood zone were removed.

For the purpose of this analysis, structures built in SFHA after the identification of the community's initial Flood Insurance Rate Maps (FIRM) were assumed to comply with National Flood Insurance Program (NFIP) floodplain regulations. These structures built before the mandate to meet the regulations are more likely to sustain damage from flooding than those structures built to the federal standards. The FIRM Dates by Jurisdiction table shows the date that Treasure Coast Counties and municipalities identified their initial FIRMs. Structure units with "effective year built" after the date their community's FIRM was identified will be categorized as less vulnerable and those with "effective year built" before will be categorized as more vulnerable.

The tables on pages 10 and 11 indicate that about 25%, or 217,065, of the Treasure Coast's structure units are located in the SFHA. Of those units, 40,218 (19%) were built prior to the identification of the community's initial FIRM and are less likely to meet NFIP floodplain regulations. These units are categorized as more vulnerable and are considered to have a greater likelihood of sustaining flood damage during a disaster event. Over 50%, or 20,282, of the more vulnerable units are multi-family residential units and almost 35%, or 13,882, are single family residential. Almost 4%, or 1,535, are mobile homes and over 3%, 1,069, are commercial units.

Over 24%, or 16,524, of Indian River County units are located in the SFHA and over 17%, or 2,742, of these units are categorized as more vulnerable. In Martin County, over 30%, or 21,830, of units are located in the SFHA and almost 55%, or 11,994, of these have an increased likelihood of sustaining damage during a flood event. Almost 26%, or 154,645, of Palm Beach County units are in the SFHA of which 12%, or 18,376, are categorized as more vulnerable. In St. Lucie County, almost 19%, or 24,066, of structure units are in the SFHA while almost 30%, or 7,106, of these units are categorized as more vulnerable.

FIRM Dates by Jurisdiction				
County	**Jurisdiction**	**Date Initial FIRM Identified***	**Effective Year Built Range - Structures LESS vulnerable to Flooding**	**Effective Year Built Range - Structures MORE vulnerable to Flooding**
Indian River County	Unincorporated Indian River County	7/3/1978	1979 to present	1978 and earlier
Indian River County	Fellsmere	5/4/1989	1990 to present	1989 and earlier
Indian River County	Indian River Shores	9/5/1979	1980 to present	1979 and earlier
Indian River County	Orchid	4/15/1980	1981 to present	1980 and earlier
Indian River County	Sebastian	4/15/1980	1981 to present	1980 and earlier
Indian River County	Vero Beach	9/30/1977	1978 to present	1977 and earlier
Martin County	Unincorporated Martin County	6/15/1981	1982 to present	1981 and earlier
Martin County	Jupiter Island	2/2/1977	1978 to present	1977 and earlier
Martin County	Ocean Breeze Park	6/15/1981	1982 to present	1981 and earlier
Martin County	Sewall's Point	8/15/1978	1979 to present	1978 and earlier
Martin County	Stuart	8/15/1978	1979 to present	1978 and earlier
Palm Beach County	Unincorproated Palm Beach County	6/19/1970	1971 to present	1970 and earlier
Palm Beach County	City of Atlantis	11/1/1978	1979 to present	1978 and earlier
Palm Beach County	City of Belle Glade	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	Boca Raton	6/1/1978	1979 to present	1978 and earlier
Palm Beach County	City of Boynton Beach	1/3/1979	1980 to present	1979 and earlier
Palm Beach County	Town of Briny Breezes	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	Town of Cloud Lake	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	City of Delray Beach	4/9/1971	1972 to present	1971 and earlier
Palm Beach County	Town of Glen Ridge	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	Village of Golf	Not located in Special Flood Hazard Area	N/A	N/A
Palm Beach County	City of Greenacres	Not located in Special Flood Hazard Area	N/A	N/A
Palm Beach County	Town of Gulf Stream	11/24/1972	1973 to present	1972 and earlier
Palm Beach County	Town of Haverhill	Not located in Special Flood Hazard Area	N/A	N/A
Palm Beach County	Town of Highland Beach	10/16/1970	1971 to present	1970 and earlier
Palm Beach County	Town of Hypoluxo	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	Juno Beach	12/1/1978	1979 to present	1978 and earlier
Palm Beach County	Town of Jupiter Inlet Colony	9/22/1972	1973 to present	1972 and earlier
Palm Beach County	Town of Jupiter	9/22/1972	1973 to present	1972 and earlier
Palm Beach County	Town of Lake Clarke Shores	11/1/1978	1979 to present	1978 and earlier
Palm Beach County	Town of Lake Park	9/15/1978	1979 to present	1978 and earlier
Palm Beach County	Lake Worth	12/1/1978	1979 to present	1978 and earlier
Palm Beach County	Town of Lantana	3/12/1971	1972 to present	1971 and earlier
Palm Beach County	Town of Loxahatchee Groves	6/19/1970	1971 to present	1970 and earlier
Palm Beach County	Town of Manalapan	8/18/1970	1971 to present	1970 and earlier
Palm Beach County	Town of Mangoia Park	3/1/1978	1979 to present	1978 and earlier
Palm Beach County	Village of Noth Palm Beach	8/15/1978	1979 to present	1978 and earlier
Palm Beach County	Town of Ocean Ridge	4/9/1971	1972 to present	1971 and earlier
Palm Beach County	City of Pahokee	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	City of Palm Beach Gardens	1/3/1979	1980 to present	1979 and earlier
Palm Beach County	Town of Palm Beach Shores	6/25/1971	1972 to present	1971 and earlier

County	Jurisdiction	Date Initial FIRM Identified*	Effective Year Built Range - Structures LESS vulnerable to Flooding	Effective Year Built Range - Structures MORE vulnerable to Flooding
Palm Beach County	Village of Palm Beach	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	Village of Palm Springs	3/1/1978	1979 to present	1978 and earlier
Palm Beach County	City of Riveria Beach	9/27/1972	1973 to present	1972 and earlier
Palm Beach County	Village of Royal Palm Beach	Not located in Special Flood Hazard Area	N/A	N/A
Palm Beach County	City of South Bay	Not located in Special Flood Hazard Area	N/A	N/A
Palm Beach County	Town of South Palm Beach	5/15/1978	1879 to present	1878 and earlier
Palm Beach County	Village of Tequesta	6/11/1971	1972 to present	1971 and earlier
Palm Beach County	Village of Wellington	6/2/1992	1993 to present	1992 and earlier
Palm Beach County	City of West Palm Beach	3/1/1979	1980 to present	1979 and earlier
St. Lucie County	Unincorporated St. Lucie County	8/17/1981	1982 to present	1981 and earlier
St. Lucie County	Fort Pierce	12/1/1977	1978 to present	1977 and earlier
St. Lucie County	Port St. Lucie	3/15/1982	1983 to present	1982 and earlier
St. Lucie County	St. Lucie Village	4/1/1980	1981 to present	1980 and earlier
*Source: http://www.fema.gov/cis/FL.html				

Indian River County

Countywide Estimated Vulnerability to Flooding

	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2,362	241,405,740	12,638	749,859,140	0	0	15,000	991,264.9
Multi-Family Residential	75	17,581,960	499	127,639,590	0	0	574	145,221.6
Mobile Home Residential	163	2,044,860	112	3,166,590	0	0	275	5,211.5
Institutional/Governmental	38	23,185,610	123	258,195,300	0	0	161	281,380.9
Commercial	23	6,205,480	202	179,938,270	0	0	225	186,143.8
Industrial	3	431,500	31	31,822,200	0	0	34	32,253.7
Agricultural	78	6,786,290	162	33,057,710	0	0	240	39,844.0
Miscellaneous/Undefined	0	0	15	1,735,850	0	0	15	1,735.9
Total	**2,742**	**297,641.4**	**13,782**	**1,385,414.7**	**0**	**.0**	**16,524**	**1,683,056.1**

Martin County

Countywide Estimated Vulnerability to Flooding

	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2,896	276,363.7	4,914	1,699,856.1	1	13.1	7,811	1,976,233.0
Multi-Family Residential	5,858	523,046.5	4,060	617,363.3	259	3,643.4	10,177	1,144,053.2
Mobile Home Residential	741	9,724.1	208	7,189.3	0	.0	949	16,913.5
Institutional/Governmental	379	10,746.7	63	250,535.7	29	1,015.5	471	262,297.9
Commercial	61	9,675.3	150	140,487.1	9	3,398.6	220	153,560.9
Industrial	2	324.5	5	4,687.6	0	.0	7	5,012.1
Agricultural	130	4,205.6	46	9,937.7	20	324.4	196	14,467.7
Miscellaneous/Undefined	1,927	153.6	41	1,641.0	31	451.0	1,999	2,245.5
Total	**11,994**	**834,240.0**	**9,487**	**2,731,697.7**	**349**	**8,846.0**	**21,830**	**3,574,783.7**

Palm Beach County

Countywide Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	5,681	366,906.6	37,183	5,611,482.7	0	.0	42,864	5,978,389.3
Multi-Family Residential	10,964	2,119,830.6	86,351	16,021,895.7	0	.0	97,315	18,141,726.3
Mobile Home Residential	256	105,946.6	26	5,383.6	0	.0	282	111,330.2
Institutional/Governmental	257	77,901.6	1,027	1,088,359.8	0	.0	1,284	1,166,261.4
Commercial	823	155,803.7	4,681	3,192,673.8	0	.0	5,504	3,348,477.5
Industrial	271	28,353.4	1,050	385,996.7	0	.0	1,321	414,350.1
Agricultural	115	5,161.2	358	77,632.0	0	.0	473	82,793.3
Miscellaneous/Undefined	9	211.5	5,593	4,579,853.2	0	.0	5,602	4,580,064.7
Total	**18,376**	**2,860,115.2**	**136,269**	**30,963,277.6**	**0**	**.0**	**154,645**	**33,823,392.8**

St. Lucie County

Countywide Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2,943	185,365.2	5,663	696,205.3	0	.0	8,606	881,570.5
Multi-Family Residential	3,385	361,856.2	8,096	2,149,444.7	0	.0	11,481	2,511,300.9
Mobile Home Residential	375	1,399.1	2,737	94,048.3	0	.0	3,112	95,447.4
Institutional/Governmental	110	73,890.4	194	335,862.8	0	.0	304	409,753.2
Commercial	162	335,121.4	147	491,764.7	0	.0	309	826,886.2
Industrial	18	5,987.3	34	143,348.8	0	.0	52	149,336.1
Agricultural	103	6,720.4	75	8,307.0	0	.0	178	15,027.4
Miscellaneous/Undefined	10	159.7	14	636.1	0	.0	24	795.8
Total	**7,106**	**970,499.7**	**16,960**	**3,919,617.7**	**0**	**.0**	**24,066**	**4,890,117.5**

The tables on pages 13 and 14 show the number of structures in the Treasure Coast that are located in each storm surge zone. These tables were created by intersecting the county Property Appraiser data with the storm surge zones that were generated using the Sea, Lake and Overland Surges from Hurricanes (SLOSH) model as part of the 2010 Florida Statewide Regional Evacuation Study Program. Any parcel in the Property Appraiser parcel database that did not have any indication that there was a structure built on it (i.e., the Structure Value was equal to 0) was removed from the analysis.

Within the region, the county that has the most structure value located within storm surge zones is Palm Beach County ($30 billion). In Indian River County, $6.4 billion of structure value is located within storm surge zones while $5.3 billion of structure value in Martin County is located within storm surge zones. Approximately $3.6 billion of structure value in St. Lucie County is located in storm surge zones. In Martin and Indian River Counties, over 50% (over $3 Billion in each County) of the structure value in surge zones is single family homes while in Palm Beach and St. Lucie Counties a majority of structure value in surge zones is multi-family residences.

The county maps included in the **Flood and Storm Surge Vulnerability Map Attachment** visually depict the parcels that are located in the SFHA and whether or not the parcel is assumed to comply with NFIP floodplain regulations (indicated by the more or less vulnerable categorization). The maps also show the parcels that are located in storm surge zones but not located in the SFHA. Because they are not located in the SFHA, these parcels are not mandated to adhere to NFIP standards. It is likely that many of the parcels categorized as more vulnerable on the map and the parcels shown in the storm surge zones will sustain damage during a flood and/or major storm event. The maps in the **Flood and Storm Surge Vulnerability Map Attachment** were developed solely for general planning purposes and are not meant to be used to make assumptions about particular structures. It is possible that structures were built to withstand flood and storm forces without being mandated to.

Indian River County

Countywide Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,652	874,716.9	2,919	1,257,108.9	3,590	672,190.9	2,357	430,791.2	987	93,355.8	11,505	3,328,163.7
Multi-Family Residential	2,416	499,109.2	2,393	691,715.2	4,583	557,507.7	2,291	384,333.1	226	95,323.2	11,909	2,227,988.4
Mobile Home Residential	9	161.5	15	395.0	136	1,937.3	32	443.7	26	509.2	218	3,446.7
Institutional/Governmental	40	84,165.5	24	106,392.6	30	26,168.1	54	51,952.8	53	47,801.7	201	316,480.6
Commercial	96	33,802.6	69	53,698.5	387	169,337.8	400	131,770.7	417	79,492.7	1,369	468,102.3
Industrial	1	276.1	1	9.3	3	1,060.6	53	14,494.4	147	38,558.4	205	54,398.8
Agricultural	5	1,146.3	3	301.7	1	40.3	6	883.6	4	170.5	19	2,542.4
Miscellaneous/Undefined	196	9,014.9	3	659.4	6	142.3	4	149.4	9	2,193.7	218	12,159.7
Total	**4,415**	**1,502,393.0**	**5,427**	**2,110,280.6**	**8,736**	**1,428,385.0**	**5,197**	**1,014,818.7**	**1,869**	**357,405.2**	**25,644**	**6,413,282.5**

* Table columns are not cumulative except "Total" column

Martin County

Countywide Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	3,439	1,117,874.0	1,157	253,257.3	2,488	547,520.1	2,956	465,266.8	6,288	701,354.4	16,328	3,085,272.5
Multi-Family Residential	6,337	795,777.5	365	54,653.4	1,865	300,533.4	2,270	102,280.4	1,928	116,656.7	12,765	1,369,901.4
Mobile Home Residential	372	6,974.2	1	63.7	98	637.6	197	3,180.7	529	9,410.4	1,197	20,266.5
Institutional/Governmental	65	172,438.3	10	7,567.0	17	39,284.2	26	40,606.3	129	153,568.6	247	413,464.5
Commercial	125	87,261.5	16	10,360.4	45	23,803.2	65	27,467.8	434	232,495.8	685	381,388.6
Industrial	1	1,538.1	0	.0	3	2,006.0	3	631.0	53	30,702.4	60	34,877.5
Agricultural	71	10,253.5	6	574.2	8	850.0	1	54.7	15	1,814.2	101	13,546.6
Miscellaneous/Undefined	68	1,939.4	3	17.5	8	59.2	9	485.3	29	577.5	117	3,078.9
Total	**10,478**	**2,194,056.4**	**1,558**	**326,493.4**	**4,532**	**914,693.7**	**5,527**	**639,973.1**	**9,405**	**1,246,579.9**	**31,500**	**5,321,796.6**

* Table columns are not cumulative except "Total" column

Palm Beach County

Countywide Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	3,895	471,813.8	4,923	490,562.1	5,950	747,834.1	5,767	700,134.7	12,238	1,459,966.8	32,773	3,870,311.5
Multi-Family Residential	27,923	7,873,195.0	13,485	3,738,909.4	9,368	2,334,860.1	5,819	1,587,060.1	7,295	1,575,921.2	63,890	17,109,945.7
Mobile Home Residential	9	3,321.4	3	682.3	4	1,019.8	0	.0	61	20,819.8	77	25,843.4
Institutional/Governmental	330	221,164.0	96	61,159.6	166	123,693.2	83	47,317.9	333	557,627.3	1,008	1,010,961.9
Commercial	1,477	798,522.6	738	449,058.6	1,146	270,637.6	1,196	331,513.9	2,203	643,462.0	6,760	2,493,194.7
Industrial	280	36,604.9	132	11,861.2	120	13,317.3	113	39,121.4	142	29,377.3	787	130,282.2
Agricultural	30	725.6	2	14.3	4	51.7	0	.0	0	.0	36	791.6
Miscellaneous/Undefined	2,363	2,193,513.0	2,031	1,562,659.8	827	595,892.5	807	532,676.2	1,349	817,497.6	7,377	5,702,239.1
Total	**36,307**	**11,598,860.2**	**21,410**	**6,314,907.3**	**17,585**	**4,087,306.3**	**13,785**	**3,237,824.2**	**23,621**	**5,104,672.1**	**112,708**	**30,343,570.1**

* Table columns are not cumulative except "Total" column

St. Lucie County

Countywide Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,967	260,543,100	1,246	130,477,800	1,321	142,554,700	759	99,006,700	2,520	233,540,800	7,813	866,123.1
Multi-Family Residential	5,201	923,935,100	3,049	534,407,100	1,151	272,015,200	53	3,813,000	49	7,251,100	9,503	1,741,421.5
Mobile Home Residential	458	13,423,200	1,594	38,140,900	4	1,012,800	66	983,900	136	3,285,400	2,258	56,846.2
Institutional/Governmental	130	214,295,500	13	2,480,300	24	16,330,700	20	49,419,700	68	23,525,500	255	306,051.7
Commercial	116	560,189,496	29	16,167,300	29	15,248,900	20	2,995,600	72	22,919,800	266	617,521.1
Industrial	15	5,490,400	2	314,600	6	1,421,300	30	8,371,700	14	5,971,600	67	21,569.6
Agricultural	12	928,100	1	37,100	1	42,800	0	0	6	1,043,300	20	2,051.3
Miscellaneous/Undefined	6	312,100	4	89,600	3	192,700	0	0	1	10,700	14	605.1
Total	**7,905**	**1,979,117.0**	**5,938**	**722,114.7**	**2,539**	**448,819.1**	**948**	**164,590.6**	**2,866**	**297,548.2**	**20,196**	**3,612,189.6**

* Table columns are not cumulative except "Total" column

4. SOCIO-ECONOMIC VULNERABILITY

It is the socially and economically vulnerable who are affected most severely during a disaster event. A key determinant of successful community recovery is the level of social-economic vulnerability that exists and the extent to which health and social services are effectively provided. Understanding the current demographic and socio-economic characteristics of a population enables a community to understand potential future problems that it may be confronted with during post-disaster redevelopment. This knowledge can increase the ability of a population to remain safe during an event and better plan for rehabilitation in the aftermath.

For this portion of the Treasure Coast Vulnerability Analysis, social vulnerability scores were calculated for each census block group in the Treasure Coast. The scored block groups are illustrated in **Socio-economic Vulnerability Map Attachment**. The social vulnerability scores were calculated using the methodology described in the *Handbook for Conducting a GIS-Based Hazards Assessment at the County Level* by Susan L. Cutter, Jerry T. Mitchell, and Michael S. Scott of the University of South Carolina[2]. The following variables were determined by Cutter, Mitchell, and Scott to represent the minimum threshold of data that are necessary to produce the population vulnerability estimate: the number of people less than 18 years of age, the number of people over the age of 65 years of age, the number of females, the number of non-whites, the number of housing units, total population, number of mobile homes, and mean house value. More information about these variables and the specific methodology used in this analysis can be found in **Section 10**. Each of the variables included in this analysis were derived from the 2010 Census except the number of mobile homes and mean house value which were calculated using the 2010 American Community Survey 5-year estimates[3].

The social vulnerability scores are shown visually on the maps in the **Socio-economic Vulnerability Map Attachment** using categories of standard deviation. The 0 standard deviation category represents the mean social vulnerability scores within the county and, as represented on the map legend, the higher the standard deviation the more socially vulnerable the block group. As the social vulnerability scores become higher (representing more vulnerability from the set of variables), the standard deviation from the mean score is also larger. As the scores become lower (representing less vulnerability), the standard deviation also becomes farther from the mean but is negative. On the maps, the census block groups with the higher social vulnerability scores are represented in shades of brown and are distributed throughout the region without much evidence of a particular pattern or clustering.

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[2] *The Handbook for Conducting a GIS-Based Hazards Assessment at the County Level* by Susan L. Cutter, Jerry T. Mitchell, and Michael S. Scott of the University of South Carolina can be downloaded at http://training.fema.gov/EMIWeb/edu/docs/hrm/Session%206%20-%20Handbook%20GIS-Based%20Hazards%20Assessment.pdf

[3] Unlike the 2000 Census, the 2010 Census did not include a Summary File 3 and 4 which had previously included the number of mobile homes and mean house value. Now this data is only available through the Census Bureau's American Community Survey.

The **Socio-economic Vulnerability Map Attachment** also includes a series of maps for each county depicting the population density, population 65 and older, and minority population by census block. These maps were included to provide more detail about the population of the Treasure Coast. They were created to illustrate some key demographic characteristics at the census block level as opposed to the census block group level.

The population density maps depict census blocks with more persons per acre in darker shades of orange and brown. As illustrated on the maps, the census blocks that are most densely populated in the northern Treasure Coast Counties are clustered in a few general areas typically in and around municipalities. In Indian River County, the clusters of denser populated census blocks are in Fellsmere and Vero Beach. In St. Lucie County, Port St. Lucie and Fort Pierce contain clusters of census blocks that have higher population densities. In Martin County, there are densely populated census blocks in and south of Stuart and also along State Road 710 west of State Route 76. The census blocks in Palm Beach County that have higher populations per acre are speckled along the eastern portion of the county generally east of the Florida Turnpike and west of U.S. Route 1.

Older populations may be more vulnerable in disaster situations due to financial or health reasons. Senior citizens are likely to need more assistance during a hazard event and are more prone to respiratory distress from certain inhaled toxins. This population may also have less ability to recover quickly after a disaster. The maps showing the distribution of population 65 years and older depict the census blocks with the highest populations of older residents in darker shades of blue. The Indian River, Martin, and St. Lucie County maps illustrate that there are a substantial number of census blocks with high populations of residents older than 65 living on the coast or on barrier islands. In Palm Beach County, there is a cluster of census blocks with a high population 65 years or older in the southern portion of the county between the Florida Turnpike and Interstate 95.

While racial and ethnic minority concentration alone is not an indicator of social vulnerability, racial and ethnic minority populations are likely to be more vulnerable to disasters due to factors such as economic situation, housing patterns, building construction, community isolation, and cultural insensitivities (Fothergill, Maestas, Darlington, 1999). Research has found evidence of inequity during recovery and reconstruction from natural disasters in the United States. For example, after Hurricane Andrew, researchers Walter Gillis Peacock and Chris Girard found that blacks and Hispanics were less likely than whites to receive sufficient insurance settlement amounts due to the fact that they were less likely to have insurance policies with major companies (Fothergill et al., 1999). Studies have also found that black and Hispanic populations were more likely to be left out of formal aid networks (Fothergill et al., 1999). The maps depicting the distribution of minority population in the Treasure Coast Counties show census blocks with high minority populations in darker shades of green. These census blocks are disbursed throughout the region with clusters in Fellsmere, north of Vero Beach, Fort Pierce, Stuart, western Martin County, extended areas around West Palm Beach, and western Palm Beach County including the census blocks adjacent to Lake Okeechobee.

5. SEA LEVEL RISE VULNERABILITY

According to the South Florida Water Management District (SFWMD), sea level in Florida has risen about 9 inches over the past century (SFWMD, 2011). The global scientific consensus is that the Earth's climate is warming (IPCC, 2007; US National Research Council, 2008). One of the many impacts of climate change is accelerated sea level rise. The rate of acceleration of sea level rise is uncertain and varies among the scientific literature; however, the fact that sea level has and will continue to rise is certain. As sea level rises there are several issues that could affect the Treasure Coast region including increased storm surge levels, reduced capacity of stormwater drainage systems, inundation of coastal development, saltwater intrusion into public water sources, and ecological impacts of inundation and saltwater intrusion into estuaries and freshwater systems (SFWMD, 2011).

Sea Level Rise Scenario

Broward, Miami-Dade, Monroe, and Palm Beach County made a compact in 2009 to address climate change and sea level rise as a region (Southeast Florida Regional Climate Change Compact). As part of this effort, extensive research and analysis was conducted to determine a likely scenario of sea level rise to base current planning on within the four-county region. The scenario includes 20 and 50 year projections starting from the year 2010. For the planning horizon of 2030, a projected range of 3-7 inches has been agreed to by the Compact (SFWMD, 2011). For the 2060 planning horizon, a projected range of 9-24 inches was chosen (SFWMD, 2011). The Compact anticipates updating these projections on a regular basis to include the most current scientific understanding of sea level rise forces and the next update is expected to occur sometime in 2012. A detailed explanation of the methods of projection and a comparison of these projections to other regional and scientific community projections can be found in a 2011 report prepared by the SFWMD titled *Past and Projected Trends in Climate and Sea Level for South Florida*.

For this analysis, the worst case scenario of a 2 foot rise in sea level by the year 2060 was used to be consistent with the Southeast Florida Regional Climate Change Compact. A planning horizon of 50 years is particularly relevant for considering infrastructure vulnerability. In the context of the PDRP, a 50 year planning horizon could assist in making decisions regarding the cost effectiveness of rebuilding infrastructure damaged by a disaster to the same standards if it is going to be at increasing risk from sea level rise in the future since the lifespan of the infrastructure project may well be beyond 2060.

This analysis also examines the increased storm surge that could result from a 2 foot rise in sea level by mapping estimated increases in storm surge for Category 3 and 5 hurricane scenarios. While permanent inundation from a 2 foot sea level rise scenario will have limited impacts on current development in the region, an increase in the area at risk from storm surge could be much more detrimental. Furthermore, the SFWMD found that using the low range of the Compact projections (i.e. 9 inches rather than 24 inches) that the probability of a 1 in 50 year storm surge can be expected to occur within a 5-year period.

Methodology

The Sea Level Rise Vulnerability Analysis includes a parcel-level analysis identifying structures within the Sea Level Rise Inundation Zone created under the Sea Level Rise 2 feet scenario, a parcel-level analysis identifying structures within the increased area of Category 3 and 5 storm surge, and an analysis of roads that are within the 2 foot Inundation Zone and increased storm surge scenarios. The analysis was conducted for Indian River, Martin, and St. Lucie Counties. A similar analysis was just completed for Palm Beach County under a separate contract. Some general caveats and assumptions for the Sea Level Rise 2 Feet Scenario and Increased Storm Surge under the Sea Level Rise Scenario analysis include:

- These data are for planning, education, and awareness purposes only and are not appropriate for site-specific analysis, navigation or permitting.
- The mapping does not incorporate future changes in coastal geomorphology and assumes present conditions will persist, which will not be the case.
- The analysis does not use a hydrologic analysis; therefore, hydrologically unconnected areas of inundation are still displayed. Unconnected areas may not be impacted.
- Storm surge under sea level rise scenario inundation polygons are shown for all areas at or below mean higher high water that are hydrologically connected to the ocean via a connected water body or adjacent upland.
- Variations between modeled versus actual storm surge will occur due to variations in coastal bathymetry, hurricane forward speed, radius of the storm, and astronomical tides at the time of land fall.

The 2 foot Inundation Zone was developed consistent with the methodology used by the Southeast Florida Regional Climate Change Compact and the mapping process used by the NOAA Coastal Services Center. The analysis used a digital elevation model (DEM) derived from the latest available Light Detection and Ranging (LiDAR) data in addition to NOAA's VDatum Tool to create a tidal surface. The 2 foot rise in sea level was mapped on top of Mean Higher High Water (MHHW). Inundation Zones for Category 3 and Category 5 Storm Surge under the Sea Level Rise (2ft) Scenario were generated using the Statewide Regional Evacuation Study Surge Model Tool Version 2.9i6, created by Marshall Flynn with the Tampa Bay Regional Planning Council and used previously to produce the County level Storm Atlases of the Statewide Regional Evacuation Study Program.

The created scenario Inundation Zones were used with county Property Appraiser parcel data and Florida Department of Transportation major roads data to identify parcels with structures and roads that could potentially be impacted by the sea level rise scenario.

Findings

Countywide tables are included in this section while jurisdiction-specific tables are included in **Section 9.** Corresponding maps are included in the **Sea Level Rise Vulnerability Maps Attachment.** The tables on pages 20 and 21 indicate that there are 31,050 units in Indian River, Martin, and St. Lucie Counties accounting for $7.5 billion in structural value that are located on parcels that could be partially

inundated by a 2 foot rise in sea level[4]. The analysis did not estimate potential impacts to property values that could occur with permanent inundation, only structure values were tabulated so that the results would be comparable with the storm surge analysis in **Section 3**.

The tables on pages 20 and 21 also show estimates of the increase in structural vulnerability to storm surge that will occur with a 2 foot sea level rise. Under a 2 foot rise in sea level, there could be an increase of 14,533 units at risk within Indian River, Martin, and St. Lucie Counties compared to the current extent of Category 3 storm surge. These additional structures are estimated to be worth $2.1 billion. Under the Category 5 storm surge increased by sea level rise scenario, an additional 11,117 units worth $1.7 billion within the three county region would be at risk as compared to the current Category 5 storm surge inundation zone analyzed in **Section 3**.

The vulnerability of the road network in Indian River, Martin, and St. Lucie Counties to sea level rise is presented in the tables on pages 21 and 22. There are 1.7 miles of 4 separate roads in Indian River, 0.1 miles of 2 roads in Martin, and 0.06 miles of 1 road in St. Lucie County that would be impacted by a 2 foot rise in sea level. These road segments are estimated to have at least a portion of the road and right away permanently inundated. Even more roads would be impacted by temporary storm surges that are increased by 2 foot sea level rise. Within the three counties there are approximately 121 miles of roadway that would be impacted by increased Category 3 storm surge and approximately 233 miles that would be impacted by increased Category 5 storm surge.

[4] It should be noted that this is general planning scenario for the year 2060 with the purpose of estimating overall potential for impacts on coastal development and should not be used to judge the vulnerability of a specific property.

Indian River County

Countywide Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2,392	1,235,135.0	1,505	320,907.5	1,110	90,137.3
Multi-Family Residential	3,973	754,149.6	1,271	228,030.3	137	9,274.0
Mobile Home Residential	72	1,218.8	13	200.1	56	1,043.1
Institutional/Governmental	54	199,993.1	18	11,179.8	26	50,735.1
Commercial	147	88,450.3	121	36,042.6	99	36,954.1
Industrial	0	.0	5	1,609.1	38	6,600.7
Agricultural	5	1,146.3	0	.0	3	249.7
Miscellaneous/Undefined	211	9,582.6	13	377.6	14	638.8
Total	**6,854**	**2,289,675.8**	**2,946**	**598,346.9**	**1,483**	**195,632.8**

Martin County

Countywide Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	4,448	1,338,219.3	4,559	632,750.1	3,790	451,135.7
Multi-Family Residential	6,949	870,670.4	3,466	170,269.7	726	43,229.9
Mobile Home Residential	638	13,560.6	620	11,933.6	74	1,369.4
Institutional/Governmental	99	233,748.3	73	101,336.5	69	82,071.3
Commercial	156	113,337.5	227	88,176.0	136	44,927.6
Industrial	3	3,253.6	13	9,483.2	49	16,701.9
Agricultural	91	11,916.2	6	948.0	0	.0
Miscellaneous/Undefined	80	2,074.9	23	620.5	4	42.7
Total	**12,464**	**2,586,780.9**	**8,987**	**1,015,517.7**	**4,848**	**639,478.5**

St. Lucie County

Countywide Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

Structure Use	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,847	270,561.5	2,018	216,138.2	3,661	287,605.4
Multi-Family Residential	7,347	1,458,039.1	248	165,276.5	770	312,540.1
Mobile Home Residential	2,258	56,894.5	208	4,504.4	146	1,448.5
Institutional/Governmental	140	290,046.6	29	41,190.5	67	166,000.0
Commercial	105	562,849.3	55	16,657.9	93	28,009.2
Industrial	14	5,464.2	36	12,432.7	28	32,447.1
Agricultural	15	1,514.2	5	2,872.3	18	1,455.6
Miscellaneous/Undefined	6	302.2	1	10.7	3	40.5
Total	**11,732**	**2,645,671.6**	**2,600**	**459,083.2**	**4,786**	**829,546.4**

Indian River, Martin, and St. Lucie Counties

Estimated Vulnerability of Treasure Coast Roads to Sea Level Rise (2ft) Scenario

County	Road Name	Road Functional Classification	Length Inundated (m)
Indian River	Indian River Drive / Live Oak Road	Urban: Collector	132.24
Indian River	Jungle Trail	Urban: Local	2,233.35
Indian River	Oslo Road	Urban: Local	364.27
Indian River	Royal Palm Blvd / Beachland Blvd	Urban: Local	33.55
Martin County	SE Macarthur Blvd	Urban: Collector	162.30
Martin County	SW 36 Street	Urban: Collector	25.93
St. Lucie	S Ocean Drive	Urban: Minor Arterial	97.90
Total			**3,049.54**

Indian River, Martin, and St. Lucie Counties		
Estimated Vulnerability of Treasure Coast Roads to Strom Surge as Increased by Sea Level Rise		
Road Functional Classification	**Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario**	**Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario**
	Length Inundated (m)	**Length Inundated (m)**
Rural: Minor Arterial	5,320.52	5,385.94
Urban Collector	53,719.94	121,467.01
Urban: Local	23,041.83	27,253.44
Urban: Minor Arterial	94,017.61	150,691.82
Urban: Principal Arterial - Other	18,175.86	70,000.46
Urban: Principal Arterial - Other Freeways and Expressways	-	1,063.37
Total	**194,275.75**	**375,862.04**

6. Vulnerability of Critical Facilities to Flood, Storm Surge, and Sea Level Rise

This portion of the Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment assesses the vulnerability of publicly and privately owned community infrastructure and facilities in the Treasure Coast to a variety of hazards including flood, storm surge, sea level rise, and storm surge as increased by sea level rise. Evaluating the likelihood that local critical facilities will sustain damage allows communities to prepare for the repair and reconstruction in the most efficient and rapid manner possible after a disaster while building resiliency into the system.

The tables in this section were created using the critical facilities lists from Indian River, Martin, Palm Beach, and St. Lucie Counties that are maintained by the local Emergency Management Department. Using Geographic Information systems (GIS), the critical facility lists were overlaid with the Special Flood Hazard Areas (SFHA), storm surge zones, Sea Level Rise Inundation Zone, and Increased Category 3 and Category 5 Storm Surge Zones under the 2 foot Sea Level Rise Scenario to identify which facilities are located in vulnerable areas.

Due to the sensitive nature of information pertaining to the vulnerability of existing public and private infrastructure and facilities in the Treasure Coast, each county's detailed inventories are not disseminated publically. For this analysis, the critical facilities lists have been condensed by facility category as summarized in the table below:

Categorization of Critical Facility Inventories

Category	Type of Facility
Public Safety	Correctional facility, emergency operations center, fire department administrative, fire station, law enforcement, military facility
Healthcare	Ambulatory surgical center, assisted living facility, clinical laboratory, drug abuse treatment, end-stage renal disease, health department, hospice, hospitals, medical center, medical supply, nursing home, skilled nursing facility, state health department
Education	Administrative, adult education, private school, research institute, school, school board
Government	County administrative, courthouse, federal administrative, municipal administrative, state administrative
Infrastructure	Florida power and light, lift station, locks, potable water, power plant, repump, solid waste facility, utility, vessel shipping, wastewater treatment plant, water treatment, water storage
Community Resources	Art center, civic center, community center, fairgrounds, library, museum, parks and recreation, post office, recreation center, stadium
Recovery Operations	American Red Cross, disaster recovery center, distribution center, logistical staging area, mobile diversity center
Shelters	Pet friendly shelter, secondary shelter, shelter, special needs shelter
Group homes	Group home
Transportation	Airport, bridges, buses, heliport, intersections
Communication	Cable television, cellular, newspapers, radio towers, telephone, television
Banks	Bank
Businesses	Local business
Oil and Gas	Natural Gas, petroleum, propane

Maps were also developed during this analysis and are included in the **Critical Facilities Vulnerable to Flood and Storm Surge Map Attachment** and **Critical Facilities Vulnerable to Sea Level Rise Map Attachment**. However, in accordance to Chapter 119.071 Public Records 2009 Florida Statutes these maps were not released to the general public. The maps have been distributed to the county Emergency Management Departments for maintenance and future use. Interested parties can contact the county Emergency Management Departments for more information.

Over 15%, or 241, of the facilities designated as critical by Indian River, Martin, Palm Beach, and St. Lucie Counties are located in SFHA. Significantly, 48 (16%) of the healthcare facilities included on the critical facility inventories are located in SFHA as are 60 (23%) of infrastructure facilities. While less than 2%, or 29, of Treasure Coast critical facilities are located in a Category 1 or 2 storm surge zones, over 17%, or 271, are located in Category 3, 4, or 5 storm surge zones.

Indian River County Critical Facilities
Estimated Vulnerability to Flooding and Surge

Category of Facility	Total # of Facilities	# of Facilities located in SFHA	# of Facilities Located in Surge Zone					
			Category 1	Category 2	Category 3	Category 4	Category 5	Surge Total
Public Safety	24	5	0	1	1	2	2	6
Healthcare	43	10	0	0	8	13	7	28
Education	34	7	0	0	2	1	1	4
Government	2	0	0	0	0	0	0	0
Infrastructure	7	1	0	0	0	1	1	2
Community Resources	4	1	0	0	0	0	0	0
Recovery Operations	18	4	0	0	1	1	1	3
Shelters	14	3	0	0	0	0	0	0
Group Homes	0	0	0	0	0	0	0	0
Transportation	9	4	0	0	0	1	0	1
Communication	5	3	0	0	0	0	0	0
Banks	0	0	0	0	0	0	0	0
Businesses	0	0	0	0	0	0	0	0
Oil and Gas	0	0	0	0	0	0	0	0
Total	**160**	**38**	**0**	**1**	**12**	**19**	**12**	**44**

Martin County Critical Facilities
Estimated Vulnerability to Flooding and Surge

Category of Facility	Total # of Facilities	# of Facilities located in SFHA	# of Facilities Located in Surge Zone					
			Category 1	Category 2	Category 3	Category 4	Category 5	Surge Total
Public Safety	28	4	0	0	2	0	4	6
Healthcare	24	1	0	0	0	1	2	3
Education	24	1	0	0	0	0	4	4
Government	7	1	0	0	1	0	2	3
Infrastructure	171	46	0	4	38	8	17	67
Community Resources	11	2	0	1	1	0	4	6
Recovery Operations	3	1	0	0	0	1	0	1
Shelters	18	0	0	0	0	0	2	2
Group Homes	16	3	0	0	0	2	2	4
Transportation	12	3	0	0	1	0	0	1
Communication	20	1	0	1	0	0	5	6
Banks	76	4	0	0	2	0	22	24
Businesses	19	4	0	0	3	0	3	6
Oil and Gas	13	0	0	0	0	1	0	1
Total	**442**	**71**	**0**	**6**	**48**	**13**	**67**	**134**

Palm Beach County Critical Facilities
Estimated Vulnerability to Flooding and Surge

Category of Facility	Total # of Facilities	# of Facilities located in SFHA	# of Facilities Located in Surge Zone					
			Category 1	Category 2	Category 3	Category 4	Category 5	Surge Total
Public Safety	170	29	0	8	16	5	8	37
Healthcare	216	37	0	0	6	7	13	26
Education	166	21	0	2	1	4	4	11
Government	10	0	0	0	0	0	1	1
Infrastructure	38	3	1	1	0	1	0	3
Community Resources	0	0	0	0	0	0	0	0
Recovery Operations	21	2	0	0	1	0	1	2
Shelters	18	4	0	0	0	0	0	0
Group Homes	0	0	0	0	0	0	0	0
Transportation	35	7	0	1	1	3	0	5
Communication	0	0	0	0	0	0	0	0
Banks	0	0	0	0	0	0	0	0
Businesses	0	0	0	0	0	0	0	0
Oil and Gas	0	0	0	0	0	0	0	0
Total	**674**	**103**	**1**	**12**	**25**	**20**	**27**	**85**

St. Lucie County Critical Facilities

Estimated Vulnerability to Flooding and Surge

Category of Facility	Total # of Facilities	# of Facilities located in SFHA	# of Facilities Located in Surge Zone					
			Category 1	Category 2	Category 3	Category 4	Category 5	Surge Total
Public Safety	36	6	0	4	1	0	0	5
Healthcare	16	0	0	0	0	0	3	3
Education	91	4	0	0	0	2	1	3
Government	28	2	0	0	0	1	5	6
Infrastructure	41	10	0	3	5	3	0	11
Community Resources	36	6	0	2	5	2	0	9
Recovery Operations	12	0	0	0	0	0	0	0
Shelters	13	0	0	0	0	0	0	0
Group Homes	1	0	0	0	0	0	0	0
Transportation	4	0	0	0	0	0	0	0
Communication	3	1	0	0	0	0	0	0
Banks	0	0	0	0	0	0	0	0
Businesses	0	0	0	0	0	0	0	0
Oil and Gas	4	0	0	0	0	0	0	0
Total	**285**	**29**	**0**	**9**	**11**	**8**	**9**	**37**

Under the 2 foot Sea Level Rise Scenario, regionally there are an additional 52 critical facilities that could be affected by increased Category 3 Storm Surge and an additional 54 critical facilities that could be affected by increased Category 5 Storm Surge. Because Palm Beach County was not included in the Sea Level Rise Analysis, the number of critical facilities vulnerable to Sea Level Rise under the 2 foot Sea Level Rise Scenario in Palm Beach County could not be determined.

Indian River County Critical Facilities

Estimated Vulnerability to Sea Level Rise and Sea Level Rise plus Category 3 and Category 5 Storm Surge Scenarios

Category of Facility	Total # of Facilities	# of Facilities located in Inundation Zone - Sea Level Rise (2ft) Scenario	# of Facilities Located in Increased Category 3 Storm Surge Zone under Sea Level Rise (2ft) Scenario	# of Facilities Located in Increased Category 5 Storm Surge Zone under Sea Level Rise (2ft) Scenario
Public Safety	24	0	1	2
Healthcare	43	0	3	1
Education	34	0	0	3
Government	2	0	0	1
Infrastructure	7	0	1	0
Community Resources	4	0	0	0
Recovery Operations	18	0	0	1
Shelters	14	0	0	0
Group Homes	0	0	0	0
Transportation	9	0	0	0
Communication	5	0	0	1
Banks	0	0	0	0
Businesses	0	0	0	0
Oil and Gas	0	0	0	0
Total	**160**	**0**	**5**	**9**

Martin County Critical Facilities

Estimated Vulnerability to Sea Level Rise and Sea Level Rise plus Category 3 and Category 5 Storm Surge Scenarios

Category of Facility	Total # of Facilities	# of Facilities located in Inundation Zone - Sea Level Rise (2ft) Scenario	# of Facilities Located in Increased Category 3 Storm Surge Zone under Sea Level Rise (2ft) Scenario	# of Facilities Located in Increased Category 5 Storm Surge Zone under Sea Level Rise (2ft) Scenario
Public Safety	28	0	2	4
Healthcare	24	0	2	0
Education	24	0	2	7
Government	7	0	0	1
Infrastructure	171	0	17	13
Community Resources	11	0	0	0
Recovery Operations	3	0	1	0
Shelters	18	0	0	2
Group Homes	16	0	2	2
Transportation	12	0	1	3
Communication	20	0	1	0
Banks	76	0	6	3
Businesses	19	0	2	0
Oil and Gas	13	0	1	4
Total	**442**	**0**	**37**	**39**

St. Lucie County Critical Facilities

Estimated Vulnerability to Sea Level Rise and Sea Level Rise plus Category 3 and Category 5 Storm Surge Scenarios

Category of Facility	Total # of Facilities	# of Facilities located in Inundation Zone - Sea Level Rise (2ft) Scenario	# of Facilities Located in Increased Category 3 Storm Surge Zone under Sea Level Rise (2ft) Scenario	# of Facilities Located in Increased Category 5 Storm Surge Zone under Sea Level Rise (2ft) Scenario
Public Safety	36	0	0	1
Healthcare	16	0	2	1
Education	91	0	1	1
Government	28	0	4	0
Infrastructure	41	0	2	2
Community Resources	36	0	1	1
Recovery Operations	12	0	0	0
Shelters	13	0	0	0
Group Homes	1	0	0	0
Transportation	4	0	0	0
Communication	3	0	0	0
Banks	0	0	0	0
Businesses	0	0	0	0
Oil and Gas	4	0	0	0
Total	**285**	**0**	**10**	**6**

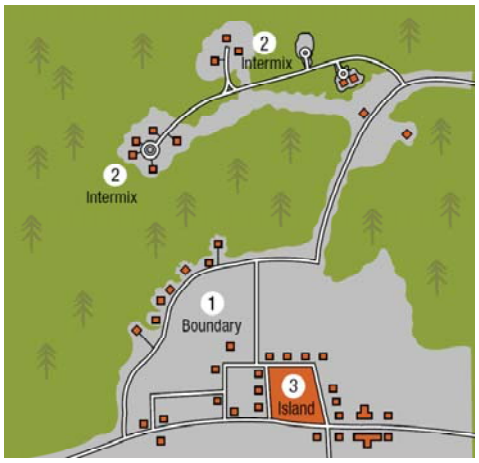
7. WILDFIRE VULNERABILITY

The Florida Fire Risk Assessment System (FL FRAS), updated in March 2011, provides a spatial analysis of wildfire vulnerability across the state. The primary output of the risk assessment are the Level of Concern (LOC) maps included in the **Wildfire Risk Map Attachment** and the associated tables included in this section. The LOC rates areas based on their susceptibility to wildfire occurrence and estimated impact. **Section 10** contains the FL FRAS methodology.

Wildland/Urban Interface (WUI) Area

The wildland/urban interface (WUI) is defined in the National Fire Plan as the area where houses and wildland vegetation coincide. There are three types of WUI:

Boundary – areas where development is adjacent to public or private wildlands
Intermix – structures are scattered and interspersed among wildland areas
Island or occluded – area of wildland surrounded by development, i.e. a subdivision preserve



In this analysis, the WUI has been estimated using the nine LOC rates for Indian River, Martin, Palm Beach, and St. Lucie Counties. LOC Levels 4 through 9 are considered medium to very high risk and can be used to approximate the WUI area of each county. LOC Levels 0 through 3 are considered low risk but are still vulnerable to wildfire events. A LOC map illustrating wildfire risk in each Treasure Coast county is included **Wildfire Risk Map Attachment** as are Surface Fuel Maps and Wildfire Susceptibility Index maps which are used to determine the LOC as described in **Section 10**. Approximately 240,746 acres, over 9% of the total land in the Treasure Coast, has been designated within LOC Levels 4 through 9. Almost 6% of the total Treasure Coast land, or 92,453 acres, is considered to be high risk and 22,554 acres has been designated LOC Level 9 which is very high risk.

Due to its high urbanization, just over 5%, or 74,256 acres, of Palm Beach County is considered WUI area (designated LOC Levels 4 to 9). The majority of this area is in the north-eastern corner of the county, west of State Road 710, and west of Sandlefoot Cove. In the last few decades, Indian River, Martin, and St. Lucie Counties have each experienced a significant increase in development in areas that were once rural resulting in an expansion of vulnerable WUI areas. Currently over 16% of Martin County, or 76,740 acres, is considered WUI area with the highest risk areas located in the western portion of the County along State Road 76 and State Road 710 and north-eastern corner between U.S. Route 1 and Interstate 95. Over 14% of St. Lucie County, or 52,179 acres, and 11% of Indian River County, or 37,571 acres, are considered WUI areas. In both counties, most of this area lies between U.S. Route 1 and Interstate 95.

Indian River County
Countywide Total Acres by Wildfire Risk

	Risk	Acres	%
Low	LOC 0	154,167	46.8%
	LOC 1	53,904	16.4%
	LOC 2	42,091	12.8%
	LOC 3	41,909	12.7%
	Subtotal	292,071	88.6%
Medium	LOC 4	7,668	2.3%
	LOC 5	6,650	2.0%
	LOC 6	6,743	2.0%
	Subtotal	21,061	6.4%
High	LOC 7	7,857	2.4%
	LOC 8	3,724	1.1%
	LOC 9	4,929	1.5%
	Subtotal	16,510	5.0%
	TOTAL	329,642	100.0%

Source Data: FL FRAS, 2011.

Martin County
Countywide Total Acres by Wildfire Risk

	Risk	Acres	%
Low	LOC 0	264,684	55.5%
	LOC 1	19,515	4.1%
	LOC 2	48,499	10.2%
	LOC 3	67,282	14.1%
	Subtotal	399,980	83.9%
Medium	LOC 4	14,750	3.1%
	LOC 5	15,309	3.2%
	LOC 6	14,449	3.0%
	Subtotal	44,508	9.3%
High	LOC 7	16,670	3.5%
	LOC 8	7,064	1.5%
	LOC 9	8,498	1.8%
	Subtotal	32,232	6.8%
	TOTAL	476,720	100.0%

Source Data: FL FRAS, 2011.

Palm Beach County
Countywide Total Acres by Wildfire Risk

	Risk	Acres	%
Low	LOC 0	913,728	64.4%
	LOC 1	155,189	10.9%
	LOC 2	149,015	10.5%
	LOC 3	127,247	9.0%
	Subtotal	1,345,179	94.8%
Medium	LOC 4	20,219	1.4%
	LOC 5	15,941	1.1%
	LOC 6	14,810	1.0%
	Subtotal	50,970	3.6%
High	LOC 7	13,611	1.0%
	LOC 8	4,670	0.3%
	LOC 9	5,005	0.4%
	Subtotal	23,286	1.6%
	TOTAL	1,419,435	100.0%

Source Data: FL FRAS, 2011.

St. Lucie County
Countywide Total Acres by Wildfire Risk

	Risk	Acres	%
Low	LOC 0	210,761	57.0%
	LOC 1	23,093	6.2%
	LOC 2	41,557	11.2%
	LOC 3	42,469	11.5%
	Subtotal	317,880	85.9%
Medium	LOC 4	9,876	2.7%
	LOC 5	10,246	2.8%
	LOC 6	11,632	3.1%
	Subtotal	31,754	8.6%
High	LOC 7	12,244	3.3%
	LOC 8	4,059	1.1%
	LOC 9	4,122	1.1%
	Subtotal	20,425	5.5%
	TOTAL	370,059	100.0%

Source Data: FL FRAS, 2011.

Population Vulnerable to Wildfire

The 2011 Wildfire Hazard Mitigation Plan Annex to the Enhanced State of Florida Hazard Mitigation Plan includes an analysis of wildfire vulnerability by land use for each county. The LOC map was used in conjunction with 2010 Florida Assessor and Florida Department of Revenue Parcel data to develop the following estimates of vulnerable population, structures, and structure value. More details on the methodology can be found in **Section 10**.

Approximately 256,883 residents which is over 14% of the Treasure Coast Population, reside in the medium to very high risk areas (LOC Levels 4 through 9) representing WUI areas; however this population is not dispersed evenly throughout the four counties. Approximately 10% of the Palm Beach County population lives in WUI areas compared to almost 30% of the Indian River County population. In St. Lucie and Martin Counties, over 23% and 18% of the populations (respectively) are located in WUI areas. Notably, 9,263 residents, which is almost 7% of the Indian River County population, are located in areas designated as very high risk (LOC Level 9). Future population growth necessitating that more Treasure Coast neighborhoods expand into the undeveloped, densely vegetated portions of the region could cause the percentage of the population at very high risk to rise. Almost 83% of the Treasure Coast population, or 212,269 people, currently living in WUI areas reside in single family homes which is significant to note in reference to the development of public education initiatives. Agencies can use this information to tailor educational materials to this specific housing type.

Indian River County
Countywide Total Population by Wildfire Risk and Land Use

	Risk	Total Pop	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Agricultural	Other
Low	LOC 0	94,938	67.5%	78,422	9,176	2,579	499	4,262
	LOC 1	905	0.6%	716	74	27	81	7
	LOC 2	1,288	0.9%	1,106	72	21	76	13
	LOC 3	8,511	6.0%	7,547	594	50	95	225
	Subtotal	**105,642**	**75.1%**	**87,791**	**9,916**	**2,677**	**751**	**4,507**
Medium	LOC 4	3,020	2.1%	2,726	201	27	29	37
	LOC 5	2,908	2.1%	2,471	357	22	30	28
	LOC 6	4,757	3.4%	4,107	526	50	41	33
	Subtotal	**10,685**	**7.6%**	**9,304**	**1,084**	**99**	**100**	**98**
High	LOC 7	10,042	7.1%	7,912	1,962	64	43	61
	LOC 8	5,079	3.6%	4,298	699	37	19	26
	LOC 9	9,263	6.6%	7,809	1,413	17	14	10
	Subtotal	**24,384**	**17.3%**	**20,019**	**4,074**	**118**	**76**	**97**
	TOTAL	**140,711**	**100.0%**	**117,114**	**15,074**	**2,894**	**927**	**4,702**

Source Data: 2010 Florida Assessor Data, 2000 Census Persons Per Household Statistics, 2010 Florida Dept of Revenue Parcel Data.

Martin County
Countywide Total Population by Wildfire Risk and Land Use

	Risk	Total Pop	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Agricultural	Other
Low	LOC 0	98,557	75.8%	81,785	7,085	6,711	1,148	1,828
	LOC 1	628	0.5%	538	17	0	46	27
	LOC 2	1,299	1.0%	1,018	32	6	192	51
	LOC 3	5,596	4.3%	5,060	94	42	290	110
	Subtotal	**106,080**	**81.6%**	**88,401**	**7,228**	**6,759**	**1,676**	**2,016**
Medium	LOC 4	2,413	1.9%	2,106	59	63	133	52
	LOC 5	3,350	2.6%	3,030	55	27	164	74
	LOC 6	4,832	3.7%	4,334	121	93	202	82
	Subtotal	**10,595**	**8.2%**	**9,470**	**235**	**183**	**499**	**208**
High	LOC 7	6,298	4.8%	5,638	123	101	329	107
	LOC 8	3,113	2.4%	2,722	63	28	241	59
	LOC 9	3,904	3.0%	3,333	171	70	270	60
	Subtotal	**13,315**	**10.2%**	**11,693**	**357**	**199**	**840**	**226**
	TOTAL	**129,990**	**100.0%**	**109,564**	**7,820**	**7,141**	**3,015**	**2,450**

Source Data: 2010 Florida Assessor Data, 2000 Census Persons Per Household Statistics, 2010 Florida Dept of Revenue Parcel Data.

Palm Beach County
Countywide Total Population by Wildfire Risk and Land Use

	Risk	Total Pop	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Agricultural	Other
Low	LOC 0	1,034,905	84.6%	731,679	189,577	6,825	4,670	102,154
	LOC 1	6,755	0.6%	6,004	466	7	131	147
	LOC 2	9,765	0.8%	8,654	726	51	150	184
	LOC 3	43,266	3.5%	35,599	5,272	143	657	1,595
	Subtotal	**1,094,691**	**89.5%**	**781,936**	**196,041**	**7,026**	**5,608**	**104,080**
Medium	LOC 4	29,892	2.4%	23,848	3,891	65	289	1,799
	LOC 5	26,287	2.1%	20,066	4,594	52	253	1,322
	LOC 6	25,624	2.1%	18,799	3,911	25	375	2,514
	Subtotal	**81,803**	**6.7%**	**62,713**	**12,396**	**142**	**917**	**5,635**
High	LOC 7	26,085	2.1%	20,379	3,657	26	285	1,738
	LOC 8	9,048	0.7%	7,837	683	43	58	427
	LOC 9	11,439	0.9%	9,561	1,178	29	66	605
	Subtotal	**46,572**	**3.8%**	**37,777**	**5,518**	**98**	**409**	**2,770**
	TOTAL	**1,223,066**	**100.0%**	**882,426**	**213,955**	**7,266**	**6,934**	**112,485**

Source Data: 2010 Florida Assessor Data, 2000 Census Persons Per Household Statistics, 2010 Florida Dept of Revenue Parcel Data.

St. Lucie County
Countywide Total Population by Wildfire Risk and Land Use

	Risk	Total Pop	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Agricultural	Other
Low	LOC 0	207,069	69.1%	160,959	14,549	7,092	223	24,246
	LOC 1	1,167	0.4%	834	163	35	20	115
	LOC 2	5,585	1.9%	4,756	298	28	40	463
	LOC 3	16,469	5.5%	13,964	1,216	87	71	1,131
	Subtotal	**230,290**	**76.8%**	**180,513**	**16,226**	**7,242**	**354**	**25,955**
Medium	LOC 4	5,997	2.0%	4,993	363	44	24	573
	LOC 5	9,645	3.2%	8,227	411	26	29	952
	LOC 6	17,011	5.7%	15,240	642	23	40	1,066
	Subtotal	**32,653**	**10.9%**	**28,460**	**1,416**	**93**	**93**	**2,591**
High	LOC 7	20,712	6.9%	19,352	316	29	39	976
	LOC 8	8,347	2.8%	6,979	588	8	10	762
	LOC 9	7,817	2.6%	6,502	613	14	16	672
	Subtotal	**36,876**	**12.3%**	**32,833**	**1,517**	**51**	**65**	**2,410**
	TOTAL	**299,819**	**100.0%**	**241,806**	**19,159**	**7,386**	**512**	**30,956**

Source Data: 2010 Florida Assessor Data, 2000 Census Persons Per Household Statistics, 2010 Florida Dept of Revenue Parcel Data.

Structures Vulnerable to Wildfire

Almost 15% of structures in the Treasure Coast, or 93,923 structures, are located within LOC Levels 4 through 9 (representing the WUI) and 84,042 of these structures (over 89%) are single family homes. There are 10,406 single family homes region-wide that fall within LOC Level 9, or very high risk areas. Almost 24% of Indian River County structures, over 23% of St. Lucie County structures, and almost 18% of Martin County structures are located in WUI areas; compared to less than 11% of structures in Palm Beach County.

Approximately 14% of the value of all Treasure Coast structures (over $26 billion) fall in WUI areas and the value of single family residential structures make up almost 65% (over $17 billion) of this total. The value of commercial structures accounts for almost $2.7 billion, or 10%, of the total value of structures located within LOC Levels 4 through 9. The value of institutional and government structures account for over $2.4 billion, or 9%, of the total structure value located within medium to very high risk areas. In addition, agricultural structures account for approximately 4%, or almost $1.2 billion, of the total Treasure Coast structure value within the WUI.

Indian River County
Countywide Structures by Wildfire Risk and Land Use

	Risk	No. Structures	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Vacant Residential
Low	LOC 0	39,409	68.3%	32,701	1,714	993	0
	LOC 1	386	0.7%	287	35	9	0
	LOC 2	588	1.0%	459	38	8	0
	LOC 3	3,478	6.0%	3,160	103	19	0
	Subtotal	43,861	76.0%	36,607	1,890	1,029	0
Medium	LOC 4	1,315	2.3%	1,178	41	10	0
	LOC 5	1,213	2.1%	1,061	56	8	0
	LOC 6	2,027	3.5%	1,768	115	18	0
	Subtotal	4,555	7.9%	4,007	212	36	0
High	LOC 7	3,855	6.7%	3,309	322	25	0
	LOC 8	2,054	3.6%	1,790	146	14	0
	LOC 9	3,370	5.8%	2,952	309	7	0
	Subtotal	9,279	16.1%	8,051	777	46	0
	TOTAL	57,695	100.0%	48,665	2,879	1,111	0

	Risk	Agricultural	Commercial	Institutional/ Government	Industrial	Vacant Commercial/ Industrial/ Institutional	Misc/ Undefined
Low	LOC 0	301	1,921	995	671	0	113
	LOC 1	37	5	13	0	0	0
	LOC 2	55	13	14	1	0	0
	LOC 3	56	44	77	14	0	5
	Subtotal	449	1,983	1,099	686	0	118
Medium	LOC 4	13	20	39	11	0	3
	LOC 5	13	34	27	13	0	1
	LOC 6	18	54	42	10	0	2
	Subtotal	44	108	108	34	0	6
High	LOC 7	19	65	78	35	0	2
	LOC 8	10	30	49	14	0	1
	LOC 9	8	14	73	7	0	0
	Subtotal	37	109	200	56	0	3
	TOTAL	530	2,200	1,407	776	0	127

Source Data: 2010 Florida Assessor Data, 2000 Census Persons Per Household Statistics, 2010 Florida Dept of Revenue Parcel Data.

Indian River County
Countywide Structure Value (millions) by Wildfire Risk and Land Use

	Risk	Millions	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Vacant Residential
Low	LOC 0	$10,337.76	62.9%	$6,620.42	$339.55	$40.69	$388.45
	LOC 1	$426.29	2.6%	$181.58	$26.44	$0.66	$14.13
	LOC 2	$494.48	3.0%	$226.98	$23.55	$0.33	$21.02
	LOC 3	$1,834.25	11.2%	$1,240.63	$49.79	$1.02	$166.32
	Subtotal	**$13,092.78**	**79.7%**	**$8,269.61**	**$439.33**	**$42.70**	**$589.92**
Medium	LOC 4	$559.61	3.4%	$374.92	$12.40	$0.76	$36.38
	LOC 5	$455.86	2.8%	$303.91	$16.29	$0.44	$25.21
	LOC 6	$622.40	3.8%	$417.29	$23.16	$0.69	$38.18
	Subtotal	**$1,637.87**	**10.0%**	**$1,096.12**	**$51.85**	**$1.89**	**$99.77**
High	LOC 7	$784.99	4.8%	$515.84	$48.07	$1.00	$53.26
	LOC 8	$384.24	2.3%	$257.48	$21.78	$0.88	$21.59
	LOC 9	$522.76	3.2%	$378.54	$31.17	$0.72	$35.91
	Subtotal	**$1,691.99**	**10.3%**	**$1,151.86**	**$101.02**	**$2.60**	**$110.76**
	TOTAL	**$16,422.64**	**100.0%**	**$10,517.59**	**$592.20**	**$47.19**	**$800.45**

	Risk	Agricultural	Commercial	Institutional/ Government	Industrial	Vacant Commercial/ Industrial/ Institutional	Misc/ Undefined
Low	LOC 0	$644.11	$1,018.71	$992.46	$180.50	$84.06	$28.81
	LOC 1	$95.24	$4.22	$101.93	$0.08	$0.31	$1.70
	LOC 2	$147.76	$10.41	$63.50	$0.14	$0.37	$0.42
	LOC 3	$146.62	$36.84	$164.69	$4.95	$21.19	$2.20
	Subtotal	**$1,033.73**	**$1,070.18**	**$1,322.58**	**$185.67**	**$105.93**	**$33.13**
Medium	LOC 4	$24.34	$22.95	$73.30	$4.57	$9.36	$0.63
	LOC 5	$23.74	$31.37	$42.78	$4.23	$7.20	$0.69
	LOC 6	$24.72	$55.12	$48.43	$3.77	$10.35	$0.69
	Subtotal	**$72.80**	**$109.44**	**$164.51**	**$12.57**	**$26.91**	**$2.01**
High	LOC 7	$24.53	$50.86	$52.40	$13.15	$24.45	$1.43
	LOC 8	$12.99	$21.11	$29.22	$5.62	$12.42	$1.15
	LOC 9	$12.33	$7.11	$42.48	$2.00	$12.47	$0.03
	Subtotal	**$49.85**	**$79.08**	**$124.10**	**$20.77**	**$49.34**	**$2.61**
	TOTAL	**$1,156.38**	**$1,258.70**	**$1,611.19**	**$219.01**	**$182.18**	**$37.75**

Source Data: 2010 Florida Assessor Data, 2000 Census Persons Per Household Statistics, 2010 Florida Dept of Revenue Parcel Data.

Martin County
Countywide Structures by Wildfire Risk and Land Use

	Risk	No. Structures	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Vacant Residential
Low	LOC 0	44,868	76.7%	34,909	3,019	2,855	3
	LOC 1	272	0.5%	232	2	0	0
	LOC 2	564	1.0%	433	8	3	0
	LOC 3	2,444	4.2%	2,141	36	15	0
	Subtotal	48,148	82.4%	37,715	3,065	2,873	3
Medium	LOC 4	1,030	1.8%	873	25	25	1
	LOC 5	1,410	2.4%	1,247	23	11	0
	LOC 6	2,067	3.5%	1,815	54	38	0
	Subtotal	4,507	7.7%	3,935	102	74	1
High	LOC 7	2,702	4.6%	2,345	64	39	1
	LOC 8	1,364	2.3%	1,112	48	11	0
	LOC 9	1,740	3.0%	1,365	108	26	0
	Subtotal	5,806	9.9%	4,822	220	76	1
	TOTAL	58,461	100.0%	46,472	3,387	3,023	5

	Risk	Agricultural	Commercial	Institutional/ Government	Industrial	Vacant Commercial/ Industrial/ Institutional	Misc/ Undefined
Low	LOC 0	426	1,961	1,063	536	14	82
	LOC 1	15	6	13	0	0	4
	LOC 2	66	16	32	2	0	4
	LOC 3	93	58	74	12	1	14
	Subtotal	600	2,041	1,182	550	15	104
Medium	LOC 4	45	18	29	9	1	4
	LOC 5	55	26	35	8	0	5
	LOC 6	70	30	38	14	0	8
	Subtotal	170	74	102	31	1	17
High	LOC 7	109	46	50	29	1	18
	LOC 8	77	38	42	27	2	7
	LOC 9	77	64	61	30	0	9
	Subtotal	263	148	153	86	3	34
	TOTAL	1,033	2,263	1,437	667	19	155

Source Data: 2010 Florida Assessor Data, 2000 Census Persons Per Household Statistics, 2010 Florida Dept of Revenue Parcel Data.

Martin County
Countywide Structure Value (millions) by Wildfire Risk and Land Use

	Risk	Millions	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Vacant Residential
Low	LOC 0	$13,934.02	65.5%	$9,393.73	$290.91	$148.07	$254.94
	LOC 1	$580.47	2.7%	$240.92	$8.46	$0.00	$19.26
	LOC 2	$856.16	4.0%	$369.03	$14.71	$0.27	$25.25
	LOC 3	$2,061.23	9.7%	$1,223.87	$23.32	$0.98	$69.70
	Subtotal	**$17,431.88**	**82.0%**	**$11,227.55**	**$337.40**	**$149.32**	**$369.15**
Medium	LOC 4	$505.69	2.4%	$287.51	$6.14	$1.72	$15.88
	LOC 5	$565.13	2.7%	$329.08	$7.10	$0.77	$12.66
	LOC 6	$681.95	3.2%	$460.09	$8.05	$2.55	$13.97
	Subtotal	**$1,752.77**	**8.2%**	**$1,076.68**	**$21.29**	**$5.04**	**$42.51**
High	LOC 7	$941.27	4.4%	$582.31	$12.45	$2.60	$18.37
	LOC 8	$498.42	2.3%	$254.70	$11.03	$0.49	$12.62
	LOC 9	$646.90	3.0%	$300.26	$20.07	$1.62	$22.27
	Subtotal	**$2,086.59**	**9.8%**	**$1,137.27**	**$43.55**	**$4.71**	**$53.26**
	TOTAL	**$21,271.24**	**100.0%**	**$13,441.50**	**$402.24**	**$159.07**	**$464.92**

	Risk	Agricultural	Commercial	Institutional/ Government	Industrial	Vacant Commercial/ Industrial/ Institutional	Misc/ Undefined
Low	LOC 0	$703.51	$1,365.04	$1,343.79	$246.93	$125.90	$61.20
	LOC 1	$70.39	$2.01	$222.17	$0.03	$2.88	$14.35
	LOC 2	$257.62	$6.03	$168.97	$1.52	$1.65	$11.11
	LOC 3	$304.33	$38.16	$329.12	$16.83	$20.45	$34.47
	Subtotal	**$1,335.85**	**$1,411.24**	**$2,064.05**	**$265.31**	**$150.88**	**$121.13**
Medium	LOC 4	$75.30	$20.46	$73.38	$8.08	$9.96	$7.26
	LOC 5	$110.05	$23.05	$58.69	$6.99	$9.27	$7.47
	LOC 6	$79.59	$26.51	$58.26	$9.81	$12.72	$10.40
	Subtotal	**$264.94**	**$70.02**	**$190.33**	**$24.88**	**$31.95**	**$25.13**
High	LOC 7	$103.93	$52.32	$102.01	$22.40	$21.96	$22.92
	LOC 8	$55.86	$51.36	$71.35	$13.70	$17.80	$9.51
	LOC 9	$58.04	$85.49	$109.39	$18.74	$19.97	$11.05
	Subtotal	**$217.83**	**$189.17**	**$282.75**	**$54.84**	**$59.73**	**$43.48**
	TOTAL	**$1,818.62**	**$1,670.43**	**$2,537.13**	**$345.03**	**$242.56**	**$189.74**

Source Data: 2010 Florida Assessor Data, 2010 Florida Dept of Revenue Parcel Data.

Palm Beach County
Countywide Structures by Wildfire Risk and Land Use

	Risk	No. Structures	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Vacant Residential
Low	LOC 0	351,718	84.2%	300,703	18,795	3,311	2,413
	LOC 1	2,647	0.6%	2,399	11	4	67
	LOC 2	3,758	0.9%	3,404	19	21	64
	LOC 3	15,880	3.8%	14,271	170	59	376
	Subtotal	374,003	89.5%	320,777	18,995	3,395	2,920
Medium	LOC 4	10,343	2.5%	9,479	91	25	148
	LOC 5	8,691	2.1%	7,854	98	21	139
	LOC 6	8,548	2.0%	7,471	127	12	335
	Subtotal	27,582	6.6%	24,804	316	58	622
High	LOC 7	8,667	2.1%	7,739	131	11	172
	LOC 8	3,511	0.8%	2,815	31	16	465
	LOC 9	4,127	1.0%	3,399	52	10	483
	Subtotal	16,305	3.9%	13,953	214	37	1,120
	TOTAL	417,890	100.0%	359,534	19,525	3,490	4,662

	Risk	Agricultural	Commercial	Institutional/ Government	Industrial	Vacant Commercial/ Industrial/ Institutional	Misc/ Undefined
Low	LOC 0	2,747	10,490	5,812	4,456	461	2,530
	LOC 1	66	19	36	15	0	30
	LOC 2	98	49	53	18	0	32
	LOC 3	317	190	271	89	12	125
	Subtotal	3,228	10,748	6,172	4,578	473	2,717
Medium	LOC 4	135	181	122	80	10	72
	LOC 5	147	174	131	63	6	58
	LOC 6	163	178	133	58	8	63
	Subtotal	445	533	386	201	24	193
High	LOC 7	121	201	138	93	6	55
	LOC 8	29	69	51	16	2	17
	LOC 9	32	65	48	17	1	20
	Subtotal	182	335	237	126	9	92
	TOTAL	3,855	11,616	6,795	4,905	506	3,002

Source Data: 2010 Florida Assessor Data, 2010 Florida Dept of Revenue Parcel Data.

Palm Beach County
Countywide Structure Value (millions) by Wildfire Risk and Land Use

	Risk	Millions	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Vacant Residential
Low	LOC 0	$104,049.22	80.0%	$69,116.50	$4,093.44	$142.36	$1,638.64
	LOC 1	$1,759.75	1.4%	$1,289.78	$19.55	$0.16	$70.13
	LOC 2	$2,048.36	1.6%	$1,514.56	$26.63	$1.21	$80.89
	LOC 3	$7,402.18	5.7%	$5,179.17	$155.78	$2.90	$321.66
	Subtotal	**$115,259.51**	**88.6%**	**$77,100.01**	**$4,295.40**	**$146.63**	**$2,111.32**
Medium	LOC 4	$3,737.54	2.9%	$2,576.25	$101.76	$1.23	$82.60
	LOC 5	$3,119.86	2.4%	$2,060.51	$136.97	$0.71	$69.46
	LOC 6	$2,967.49	2.3%	$1,894.02	$95.11	$0.52	$72.76
	Subtotal	**$9,824.89**	**7.6%**	**$6,530.78**	**$333.84**	**$2.46**	**$224.82**
High	LOC 7	$2,928.99	2.3%	$1,879.70	$89.15	$0.36	$73.55
	LOC 8	$1,086.19	0.8%	$722.04	$21.12	$0.37	$36.62
	LOC 9	$967.41	0.7%	$701.56	$34.88	$0.24	$37.87
	Subtotal	**$4,982.59**	**3.8%**	**$3,303.30**	**$145.15**	**$0.97**	**$148.04**
	TOTAL	**$130,066.99**	**100.0%**	**$86,934.09**	**$4,774.39**	**$150.06**	**$2,484.18**

	Risk	Agricultural	Commercial	Institutional/ Government	Industrial	Vacant Commercial/ Industrial/ Institutional	Misc/ Undefined
Low	LOC 0	$2,931.93	$14,113.20	$7,977.10	$2,658.13	$755.84	$622.08
	LOC 1	$80.48	$67.54	$148.33	$13.78	$6.00	$64.00
	LOC 2	$95.96	$72.04	$168.60	$32.69	$5.26	$50.52
	LOC 3	$248.36	$415.16	$825.79	$99.14	$62.40	$91.82
	Subtotal	**$3,356.73**	**$14,667.94**	**$9,119.82**	**$2,803.74**	**$829.50**	**$828.42**
Medium	LOC 4	$94.32	$416.24	$310.36	$88.60	$46.90	$19.28
	LOC 5	$86.13	$381.53	$268.08	$57.19	$45.40	$13.88
	LOC 6	$97.54	$350.17	$328.84	$58.17	$53.90	$16.46
	Subtotal	**$277.99**	**$1,147.94**	**$907.28**	**$203.96**	**$146.20**	**$49.62**
High	LOC 7	$60.29	$432.32	$272.41	$58.00	$47.79	$15.42
	LOC 8	$11.43	$142.12	$107.98	$13.82	$15.30	$15.39
	LOC 9	$8.15	$100.19	$60.10	$14.52	$7.80	$2.10
	Subtotal	**$79.87**	**$674.63**	**$440.49**	**$86.34**	**$70.89**	**$32.91**
	TOTAL	**$3,714.59**	**$16,490.51**	**$10,467.59**	**$3,094.04**	**$1,046.59**	**$910.95**

Source Data: 2010 Florida Assessor Data, 2010 Florida Dept of Revenue Parcel Data.

St. Lucie County
Countywide Structures by Wildfire Risk and Land Use

	Risk	No. Structures	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Vacant Residential
Low	LOC 0	75,673	68.5%	63,899	2,631	3,866	4
	LOC 1	491	0.4%	379	6	20	0
	LOC 2	2,137	1.9%	1,964	12	16	1
	LOC 3	6,237	5.6%	5,764	96	49	0
	Subtotal	84,538	76.6%	72,006	2,745	3,951	5
Medium	LOC 4	2,293	2.1%	2,086	46	22	0
	LOC 5	3,586	3.2%	3,349	57	14	0
	LOC 6	6,361	5.8%	6,057	73	13	1
	Subtotal	12,240	11.1%	11,492	176	49	1
High	LOC 7	7,854	7.1%	7,527	73	17	0
	LOC 8	2,930	2.7%	2,761	34	4	1
	LOC 9	2,865	2.6%	2,690	35	13	0
	Subtotal	13,649	12.4%	12,978	142	34	1
	TOTAL	110,427	100.0%	96,476	3,063	4,034	7

	Risk	Agricultural	Commercial	Institutional/ Government	Industrial	Vacant Commercial/ Industrial/ Institutional	Misc/ Undefined
Low	LOC 0	707	2,085	1,454	952	7	68
	LOC 1	48	4	28	5	0	1
	LOC 2	80	22	28	9	0	5
	LOC 3	119	75	85	38	0	11
	Subtotal	954	2,186	1,595	1,004	7	85
Medium	LOC 4	44	37	41	16	0	1
	LOC 5	49	45	50	21	0	1
	LOC 6	59	68	64	24	0	2
	Subtotal	152	150	155	61	0	4
High	LOC 7	56	78	68	32	0	3
	LOC 8	12	41	36	40	0	1
	LOC 9	25	24	29	48	0	1
	Subtotal	93	143	133	120	0	5
	TOTAL	1,199	2,479	1,883	1,185	7	94

Source Data: 2010 Florida Assessor Data, 2010 Florida Dept of Revenue Parcel Data.

St. Lucie County
Countywide Structure Value (millions) by Wildfire Risk and Land Use

	Risk	Millions	%	Single Family Residential	Multi-Family Residential	Mobile Homes	Vacant Residential
Low	LOC 0	$11,004.49	61.4%	$5,959.48	$206.53	$292.03	$338.29
	LOC 1	$318.15	1.8%	$66.97	$1.72	$2.04	$21.86
	LOC 2	$717.85	4.0%	$288.98	$3.42	$1.53	$67.14
	LOC 3	$1,488.04	8.3%	$781.48	$21.79	$3.69	$135.58
	Subtotal	**$13,528.53**	**75.5%**	**$7,096.91**	**$233.46**	**$299.29**	**$562.87**
Medium	LOC 4	$541.98	3.0%	$293.71	$10.10	$1.54	$26.54
	LOC 5	$679.18	3.8%	$429.60	$13.07	$1.18	$31.65
	LOC 6	$1,077.03	6.0%	$709.49	$16.32	$1.34	$41.37
	Subtotal	**$2,298.19**	**12.8%**	**$1,432.80**	**$39.49**	**$4.06**	**$99.56**
High	LOC 7	$1,170.23	6.5%	$785.93	$12.83	$1.56	$49.53
	LOC 8	$479.61	2.7%	$300.85	$6.99	$0.30	$21.54
	LOC 9	$444.31	2.5%	$258.08	$12.85	$0.80	$15.23
	Subtotal	**$2,094.15**	**11.7%**	**$1,344.86**	**$32.67**	**$2.66**	**$86.30**
	TOTAL	**$17,920.87**	**100.0%**	**$9,874.57**	**$305.62**	**$306.01**	**$748.73**

	Risk	Agricultural	Commercial	Institutional/ Government	Industrial	Vacant Commercial/ Industrial/ Institutional	Misc/ Undefined
Low	LOC 0	$1,251.62	$1,124.39	$1,138.73	$349.39	$264.61	$79.42
	LOC 1	$102.88	$5.87	$104.37	$3.72	$3.32	$5.40
	LOC 2	$203.92	$33.73	$95.80	$6.06	$9.61	$7.66
	LOC 3	$195.02	$66.72	$191.76	$21.28	$38.05	$32.67
	Subtotal	**$1,753.44**	**$1,230.71**	**$1,530.66**	**$380.45**	**$315.59**	**$125.15**
Medium	LOC 4	$49.68	$54.27	$61.27	$7.73	$27.24	$9.90
	LOC 5	$46.96	$54.01	$51.01	$10.55	$34.14	$7.01
	LOC 6	$38.11	$101.48	$58.44	$13.51	$87.99	$8.98
	Subtotal	**$134.75**	**$209.76**	**$170.72**	**$31.79**	**$149.37**	**$25.89**
High	LOC 7	$41.68	$112.68	$48.99	$32.09	$74.88	$10.06
	LOC 8	$14.47	$57.15	$21.26	$20.75	$34.83	$1.47
	LOC 9	$13.88	$47.83	$30.10	$31.30	$32.49	$1.75
	Subtotal	**$70.03**	**$217.66**	**$100.35**	**$84.14**	**$142.20**	**$13.28**
	TOTAL	**$1,958.22**	**$1,658.13**	**$1,801.73**	**$496.38**	**$607.16**	**$164.32**

Source Data: 2010 Florida Assessor Data, 2010 Florida Dept of Revenue Parcel Data.

8. Regional Recommendations

The following are suggestions for how this vulnerability assessment could be used to develop regional actions for the Post-Disaster Redevelopment Plans (PDRPs) of the Treasure Coast Region's counties.

Housing Recovery

In all of the structure risk analyses described in this report (wind, flood, surge, wildfire, and sea level rise), a majority of the structures estimated to be most at risk are residences. For instance, 71% of both Martin and Palm Beach Counties' residential units, 60% of Indian River County's residential units, and 57% of St. Lucie County's residential units are considered most at risk from hurricane wind damage (see **Section 2**). Twenty-seven percent of the Treasure Coast Region's residential units are located in designated Special Flood Hazard Areas and were built prior to the adoption of the respective jurisdiction's flood ordinance requiring elevation. The housing estimates from these analyses illustrate that a major hurricane or other natural disaster could impact a large portion of the region's housing which could stress rebuilding processes such as available licensed contractors and construction materials and capabilities of jurisdictions' permitting and code enforcement staff. Some of these issues were experienced in recovering from the 2004 hurricane season. A regional strategy for coordinating each county's Disaster Housing Plan and memorandums of understanding between the region's jurisdictions to augment staff capabilities could assist in addressing some of the housing recovery issues.

Economic Recovery

The number of commercial, industrial, and agricultural structures at risk from wind, flood, surge, wildfire and sea level rise is so much less than the number of residential structures that it can be easily overlooked in this report. However, it was estimated that 74% of Palm Beach County's commercial units are most at risk from hurricane force winds, while 60% of both Indian River and St. Lucie Counties' commercial structures fall within the most risk for wind damage, and 56% of Martin County's commercial structures (see **Section 2**). Without a strategy for assisting businesses, particularly small businesses, with rebuilding/relocating and bridging the interruption in business, the regional recovery from a disaster could be sluggish. Palm Beach County has been working on a Private-Public Partnership for business recovery for the past several years to address some of these issues. The other counties in the region could consider a similar approach or could perhaps create a regional private-public partnership for business recovery. Economic development is often conducted on a regional scale (i.e. the Comprehensive Economic Development Strategy is regional plan developed by the Treasure Coast Regional Planning Council) and so economic recovery after a disaster would also benefit from coordination between the counties' PDRPs.

Infrastructure

Over 32% of the infrastructure facilities included on the Treasure Coast Counties' critical facility lists (which includes Florida Power and light facilities, lift stations, locks, potable water facilities, power plants, repump facilities, solid waste facilities, utilities, vessel shipping facilities, wastewater and water treatment plants, and water storage facilities) are located in surge zones and over 23% are located in the

Special Flood Hazard Area (SFHA). Each county's Emergency Management Department may want to identify exactly what infrastructure is located in these vulnerable areas and whether a flood or storm surge event would affect the ability of the specific facilities to function. Once this analysis has been completed, the county Emergency Management officials may want to collaborate regionally to discuss any opportunities to assist one another post-disaster.

Transportation Systems

The Treasure Coast currently has mechanisms in place to address regional transportation issues. The individual county Metropolitan Planning Organizations (MPOs) have successfully partnered in regional planning efforts and the Martin MPO and St. Lucie Transportation Planning Organization (TPO) collaborated to develop a Regional Long Range Transportation Plan (RLRTP). In 2006, the Indian River MPO, Martin MPO, and St. Lucie TPO entered into an inter-local agreement forming the Treasure Coast Transportation Council (TCTC) which is responsible for developing a three-county RLRTP and creating processes to prioritize regional projects, conduct regional public outreach, and measure the effectiveness of regional performance. The TCTC's RLRTP would be an appropriate mechanism to address the regional affects of Sea Level Rise on transportation infrastructure. While is it estimated that almost 3,050 meters (1.9 miles) of Treasure Coast roads will be more than 50% affected by the 2 foot Sea Level Rise Scenario, the numbers are far more significant when looking at the length of roadways that will be affected by storm surge inundation under the 2 foot scenario. Almost 194,276 meters (120.72 miles) are estimated to be inundated more than 50% by a Category 3 Storm increased under the 2 foot Sea Level Rise Scenario and over 375,682 meters (233.44 miles) could be inundated by a Category 5 Storm.

Healthcare Facilities

While regionally over 20% of the healthcare facilities on the county critical facilities lists are located in Special Flood Hazard Areas (SFHA) and 19% are located in storm surge zones, these vulnerable facilities are not evenly disbursed throughout the four Treasure Coast Counties. For example in Indian River County, 23% of healthcare facilities are located in the SFHA and 65% are located in storm surge zones, while less than 19% of healthcare facilities in neighboring St. Lucie County are located in these vulnerable areas. This indicates that a flood or storm surge event could leave the Indian River County healthcare system more impacted than St. Lucie County's system. Collaborating regionally to address this issue before a disaster could allow the counties to develop contingency plans for different disaster scenarios. A group of healthcare professionals representing the four counties could come together to do a more in-depth analysis to determine what specific types of facilities are likely to sustain damage and the number of patients that this could potentially affect. The group could develop plans to route patients to other facilities as necessary.

Beach and Dune Erosion

Each of the counties in the region have beach renourishment programs and are aware of the major impacts that storm surge can have on the region's beach and dune systems. In addition to storm surge, future sea level rise will also exacerbate current erosion rates. While this analysis did not calculate erosion impacts from the sea level rise scenario, it can be assumed that a 2 foot rise in sea level would increase coastal erosion. The 2 foot sea level rise would also mean higher storm surges than currently

experienced (see **Sea Level Rise Vulnerability Maps Attachment**). The coastal and environmental stakeholders from each of the counties may want to discuss as a region what long-term strategies regarding beach erosion are currently planned for each county and what issues they feel may arise after a major storm surge has caused severe erosion in some or many coastal communities in the region. The interconnectedness of the coastal sand transport system means that the solution to erosion in one area may impact the sustainability of the adjacent shoreline. Erosion and/or erosion control may also impact wildlife, e.g. sea turtle nesting. Regional wildlife agencies and non-profit organizations may be interested in participating in PDRP discussions regarding this topic.

Socio-Economically Vulnerable Populations

Socially and economically vulnerable populations are likely to become more dependent on assistance after a disaster event, and their needs will change throughout the different phases of redevelopment. Potential challenges to successful service provision include the lack of available adequate programs and insufficient access. Treasure Coast systems that are functioning to maximum capacity currently due to the current economic situation will become inadequate as more residents need assistance after a disaster. The Long-term Recovery Organizations (LTROs) active in the Treasure Coast counties will work to meet vulnerable individuals' unmet needs after a disaster. Since many of the organizations that participate in the LTROs are regional organizations or chapters of state or national non-governmental organizations, it could prove useful for the countywide LRTOs in Martin, Indian River, and St. Lucie Counties and the three LRTOs in Palm Beach County to meet pre-disaster to discuss capacity issues should the entire region be impacted by a major disaster. Will the participating organizations that are shared between multiple LRTOs be able to provide the same level of assistance to all of the counties if they are all simultaneously in need? The LRTOs of the region could establish regional coordination mechanisms and discuss methods for sharing resources and collaborating after a disaster.

9. DATA BY JURISDICTION

This section includes data tables for each municipality and the unincorporated areas in Indian River, Martin, Palm Beach, and St. Lucie Counties. The following tables are included:

- Estimated Vulnerability to Wind
- Estimated Vulnerability to Flooding
- Estimated Vulnerability to Surge
- Estimated Vulnerability to Sea Level Rise and Storm Surge as increased by Sea Level Rise

Estimated Vulnerability to Wind

Indian River County

Unincorporated Indian River County

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	17,020	176,230.8	5,246	110,095.8	10,603	180,477.6	9	1,224.5	32,878	468,028.7
Multi-Family Residential	7,775	109,296.2	1,217	285,750.9	1,389	233,174.8	27	53,827.3	10,408	682,049.2
Mobile Home Residential	580	6,949.5	41	1,290.4	204	7,119.2	4	108.4	829	15,467.4
Institutional/Governmental	250	296,153.2	51	73,179.4	50	98,123.5	6	7,115.8	357	474,571.9
Commercial	606	117,699.5	187	169,137.8	257	96,572.5	2	893.7	1,052	384,303.5
Industrial	195	42,249.5	63	24,047.1	45	33,697.3	1	28.8	304	100,022.7
Agricultural	197	22,171.4	48	9,544.2	100	20,896.9	20	1,599.7	365	54,212.2
Miscellaneous/Undefined	147	7,263.0	2	323.7	42	278.5	26	2,630.6	217	10,495.8
Total	**26,770**	**778,013.1**	**6,855**	**673,369.1**	**12,690**	**670,340.2**	**95**	**67,428.9**	**46,410**	**2,189,151.4**

City of Fellsmere

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	338	14,577.5	129	9,793.8	151	14,565.5	0	.0	618	38,936.9
Multi-Family Residential	7	229.8	3	256.0	2	218.1	3	7,773.2	15	8,477.2
Mobile Home Residential	298	4,427.9	59	1,824.3	31	1,210.9	1	14.6	389	7,477.7
Institutional/Governmental	17	5,161.6	3	475.9	3	1,357.5	0	.0	23	6,995.0
Commercial	27	3,756.8	10	1,963.7	1	158.5	0	.0	38	5,879.0
Industrial	3	415.1	3	524.7	0	.0	0	.0	6	939.8
Agricultural	8	2,580.6	1	77.6	0	.0	0	.0	9	2,658.2
Miscellaneous/Undefined	1	130.0	0	.0	0	.0	1	13.0	2	143.0
Total	**699**	**31,279.3**	**208**	**14,916.0**	**188**	**17,510.5**	**5**	**7,800.8**	**1,100**	**71,506.6**

Town of Indian River Shores

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	72	20,383.4	119	37,914.1	105	68,159.0	0	.0	296	126,456.5
Multi-Family Residential	142	54,220.0	60	56,206.4	56	29,594.2	0	.0	258	140,020.5
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**214**	**74,603.4**	**179**	**94,120.5**	**161**	**97,753.2**	**0**	**.0**	**554**	**266,477.1**

Town of Orchid

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	9	6,516.5	172	121,010.7	98	114,181.5	0	.0	279	241,708.7
Multi-Family Residential	29	1,353.0	63	74,147.9	6	9,514.1	0	.0	98	85,015.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	1,466.3	0	.0	0	.0	0	.0	1	1,466.3
Commercial	2	142.2	1	816.6	0	.0	0	.0	3	958.8
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	1	258.8	0	.0	0	.0	1	258.8
Total	**41**	**9,478.0**	**237**	**196,234.0**	**104**	**123,695.6**	**0**	**.0**	**382**	**329,407.5**

City of Sebastian

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	4,677	289,010.4	2,025	186,089.6	2,459	277,260.0	2	216.4	9,163	752,576.4
Multi-Family Residential	243	17,039.5	62	7,200.3	200	23,870.2	3	5,195.6	508	53,305.6
Mobile Home Residential	67	944.2	17	638.8	38	1,232.0	0	.0	122	2,815.0
Institutional/Governmental	48	19,358.3	18	8,902.5	6	2,605.4	0	.0	72	30,866.2
Commercial	138	21,447.8	40	20,810.8	60	26,287.0	1	884.1	239	69,429.7
Industrial	16	2,423.3	11	3,083.9	6	2,109.1	0	.0	33	7,616.3
Agricultural	0	.0	0	.0	0	.0	1	479.9	1	479.9
Miscellaneous/Undefined	3	537.6	2	138.9	2	832.1	1	5.0	8	1,513.6
Total	**5,192**	**350,761.2**	**2,175**	**226,864.7**	**2,771**	**334,195.7**	**8**	**6,781.1**	**10,146**	**918,602.8**

City of Vero Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	4,369	398,035.6	316	70,170.7	192	89,874.2	2	158.3	4,879	558,238.8
Multi-Family Residential	3,183	429,899.7	113	42,899.6	183	48,364.2	34	8,987.7	3,513	530,151.2
Mobile Home Residential	0	.0	0	0	1	94.0	0	.0	184	48,458.2
Institutional/Governmental	112	83,583.9	19	48,231.0	10	42,060.4	1	2,838.6	142	176,713.9
Commercial	532	161,148.3	97	53,544.5	136	54,875.9	83	23,437.7	848	293,006.4
Industrial	54	12,738.3	11	3,115.6	3	580.1	0	.0	68	16,434.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	27	7,178.0	6	2,844.3	26	5,294.8	5	1,130.2	64	16,447.3
Total	**8,277**	**1,092,583.8**	**562**	**220,805.8**	**551**	**241,143.6**	**125**	**36,552.5**	**9,515**	**1,591,085.6**

Martin County

Unincorporated Martin County

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	26,575	2,668,064.2	8,275	1,661,906.1	7,048	1,534,290.9	1	13.1	41,899	5,864,274.3
Multi-Family Residential	10,379	1,141,477.8	659	101,393.1	572	93,876.6	274	3,590.3	11,884	1,340,337.8
Mobile Home Residential	3,452	55,656.4	196	6,909.4	339	13,102.3	3	11.1	3,990	75,679.2
Institutional/Governmental	223	120,333.0	70	206,953.9	75	315,464.3	73	94,600.3	441	737,351.6
Commercial	589	177,970.8	230	137,124.0	199	222,779.1	30	3,905.0	1,048	541,778.9
Industrial	221	51,406.0	88	52,771.2	279	107,221.9	1	320.4	589	211,719.4
Agricultural	466	70,088.4	159	42,318.6	183	63,814.3	158	5,573.9	966	181,795.2
Miscellaneous/Undefined	58	1,887.3	24	69.9	41	3,537.9	89	1,142.4	212	6,637.5
Total	**41,963**	**4,286,883.9**	**9,701**	**2,209,446.1**	**8,736**	**2,354,087.2**	**629**	**109,156.6**	**61,029**	**8,959,573.8**

Town of Jupiter Island

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	273	151,123.2	124	169,092.0	105	203,865.5	0	.0	502	524,080.7
Multi-Family Residential	0	.0	0	.0	0	.0	3	15.2	3	15.2
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	3	1,957.0	2	683.6	1	1,623.7	1	199.3	7	4,463.6
Commercial	1	60.5	0	.0	1	9,908.4	0	.0	2	9,968.9
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	102	.0	0	.0	0	.0	0	.0	102	.0
Total	**379**	**153,140.6**	**126**	**169,775.6**	**107**	**215,397.6**	**4**	**214.4**	**616**	**538,528.3**

Town of Ocean Breeze Park

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	1	18.0	0	.0	0	.0	0	.0	1	18.0
Mobile Home Residential	593	1,731.5	4	114.1	4	130.4	2	5.7	603	1,976.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	1	6,432.5	0	.0	1	6,432.5
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	2	.0	0	.0	0	.0	0	.0	2	.0
Total	**596**	**1,749.5**	**4**	**114.1**	**5**	**6,562.9**	**2**	**5.7**	**607**	**8,432.2**

Town of Sewall's Point

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	626	128,928.9	177	85,237.3	85	50,694.4	0	.0	888	264,860.6
Multi-Family Residential	0	.0	0	.0	3	2,269.7	16	365.7	19	2,635.4
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	7	192.0	1	441.6	0	.0	1	19.8	9	653.4
Commercial	12	2,613.1	2	3,906.1	1	732.5	0	.0	15	7,251.7
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**645**	**131,734.1**	**180**	**89,585.0**	**89**	**53,696.6**	**17**	**385.4**	**931**	**275,401.0**

City of Stuart

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2,073	114,008.5	248	41,178.2	375	69,913.6	0	.0	2,696	225,100.4
Multi-Family Residential	3,545	212,095.4	40	16,450.1	779	77,044.5	8	82.8	4,372	305,672.9
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	72	43,170.2	27	74,192.7	23	168,637.3	25	530.2	147	286,530.3
Commercial	520	150,887.2	158	101,636.8	236	146,436.6	17	2,646.6	931	401,607.2
Industrial	101	18,441.1	14	5,853.9	35	12,572.6	0	.0	150	36,867.6
Agricultural	1	141.2	0	.0	0	.0	0	.0	1	141.2
Miscellaneous/Undefined	5	661.0	0	.0	0	.0	19	220.9	24	881.9
Total	**6,317**	**539,404.7**	**487**	**239,311.7**	**1,448**	**474,604.6**	**69**	**3,480.5**	**8,321**	**1,256,801.5**

Palm Beach County

Unincorporated Palm Beach County

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	67,490	6,850,295.7	39,760	6,506,303.5	22,870	4,670,268.0	0	.0	130,120	18,026,867.2
Multi-Family Residential	187,771	20,399,942.8	16,357	2,839,098.9	20,084	4,293,388.4	0	.0	224,212	27,532,430.2
Mobile Home Residential	100	24,004.7	51	11,083.9	100	28,140.2	0	.0	251	63,228.8
Institutional/Governmental	1,077	392,553.8	307	375,575.6	316	463,021.5	0	.0	1,700	1,231,150.9
Commercial	8,534	988,879.7	1,157	651,486.4	3,459	590,974.8	0	.0	13,150	2,231,340.8
Industrial	1,550	255,466.1	313	131,502.2	202	95,120.1	0	.0	2,065	482,088.3
Agricultural	319	6,354.3	85	5,229.8	98	10,036.5	0	.0	502	21,620.6
Miscellaneous/Undefined	1,134	395,494.9	1,918	1,107,871.5	1,356	1,116,928.4	0	.0	4,408	2,620,294.9
Total	**267,975**	**29,312,992.1**	**59,948**	**11,628,151.8**	**48,485**	**11,267,877.9**	**0**	**.0**	**376,408**	**52,209,021.8**

City of Atlantis

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	740	100,983.2	129	22,869.5	42	9,023.9	0	.0	911	132,876.6
Multi-Family Residential	44	5,368.0	0	.0	0	.0	0	.0	44	5,368.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	9	36,166.8	2	5,045.6	1	18,136.7	0	.0	12	59,349.1
Commercial	20	9,653.2	5	8,801.2	2	6,418.2	0	.0	27	24,872.6
Industrial	3	168.5	2	164.8	2	289.0	0	.0	7	622.4
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	5	1,643.4	8	3,098.3	12	6,130.3	0	.0	25	10,872.0
Total	**821**	**153,983.1**	**146**	**39,979.4**	**59**	**39,998.1**	**0**	**.0**	**1,026**	**233,960.6**

City of Belle Glade

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,786	113,402.7	169	15,985.7	89	10,417.8	0	.0	2,044	139,806.2
Multi-Family Residential	471	21,014.4	54	3,228.1	34	1,505.1	0	.0	559	25,747.6
Mobile Home Residential	1	41.6	0	.0	0	.0	0	.0	1	41.6
Institutional/Governmental	145	31,370.9	14	24,719.4	14	21,092.5	0	.0	173	77,182.8
Commercial	827	60,627.0	72	12,678.7	26	3,023.6	0	.0	925	76,329.3
Industrial	141	9,107.3	21	1,895.4	18	8,358.8	0	.0	180	19,361.5
Agricultural	9	206.3	0	.0	0	.0	0	.0	9	206.3
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**3,380**	**235,770.3**	**330**	**58,507.3**	**181**	**44,397.8**	**0**	**.0**	**3,891**	**338,675.3**

City of Boca Raton

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	14,986	1,970,950.3	1,942	585,702.1	135	37,229.2	0	.0	17,063	2,593,881.6
Multi-Family Residential	1,941	431,047.5	286	117,749.0	779	229,774.5	0	.0	3,006	778,571.0
Mobile Home Residential	105	42,011.5	33	16,444.8	1	585.8	0	.0	139	59,042.1
Institutional/Governmental	257	210,349.5	111	122,595.4	76	184,301.8	0	.0	444	517,246.7
Commercial	1,105	928,928.2	287	934,808.9	125	489,865.4	0	.0	1,517	2,353,602.5
Industrial	300	114,021.6	86	57,003.8	29	14,423.5	0	.0	415	185,449.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	1,067	419,764.3	1,076	751,164.7	506	577,218.3	0	.0	2,649	1,748,147.2
Total	**19,761**	**4,117,072.9**	**3,821**	**2,585,468.8**	**1,651**	**1,533,398.4**	**0**	**.0**	**25,233**	**8,235,940.1**

City of Boynton Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	10,993	680,539.4	2,453	343,202.9	551	78,922.8	0	.0	13,997	1,102,665.1
Multi-Family Residential	2,115	233,743.5	618	100,039.2	1,398	231,985.0	0	.0	4,131	565,767.7
Mobile Home Residential	31	582.4	3	84.7	0	.0	0	.0	34	667.1
Institutional/Governmental	214	118,577.5	43	46,628.7	53	69,176.2	0	.0	310	234,382.3
Commercial	722	208,881.6	137	174,029.5	152	161,921.1	0	.0	1,011	544,832.2
Industrial	205	51,598.4	48	26,814.7	12	12,204.9	0	.0	265	90,618.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	3	496.4	23	7,901.6	78	4,791.8	0	.0	104	13,189.7
Total	**14,283**	**1,294,419.1**	**3,325**	**698,701.3**	**2,244**	**559,001.8**	**0**	**.0**	**19,852**	**2,552,122.1**

Town of Briny Breezes

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	4	420.7	0	.0	0	.0	0	.0	4	420.7
Commercial	5	229.4	0	.0	0	.0	0	.0	5	229.4
Industrial	6	489.7	0	.0	0	.0	0	.0	6	489.7
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**15**	**1,139.8**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**15**	**1,139.8**

Cloud Lake

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	47	1,581.4	1	88.1	3	365.8	0	.0	51	2,035.2
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	32.6	0	.0	0	.0	0	.0	1	32.6
Commercial	5	256.9	1	52.4	0	.0	0	.0	6	309.3
Industrial	1	8.0	0	.0	0	.0	0	.0	1	8.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**54**	**1,879.0**	**2**	**140.5**	**3**	**365.8**	**0**	**.0**	**59**	**2,385.2**

City of Delray Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	7,834	648,225.4	1,606	277,160.6	711	132,791.4	0	.0	10,151	1,058,177.4
Multi-Family Residential	2,607	261,318.8	1,074	255,327.0	1,008	290,909.4	0	.0	4,689	807,555.2
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	229	72,421.1	46	71,509.0	47	87,110.0	0	.0	322	231,040.1
Commercial	1,426	332,155.2	211	186,817.0	89	112,467.5	0	.0	1,726	631,439.6
Industrial	258	47,036.0	34	10,076.4	16	10,756.4	0	.0	308	67,868.8
Agricultural	1	11.6	0	.0	0	.0	0	.0	1	11.6
Miscellaneous/Undefined	97	31,969.1	198	130,676.3	209	257,608.9	0	.0	504	420,254.3
Total	**12,452**	**1,393,137.1**	**3,169**	**931,566.3**	**2,080**	**891,643.5**	**0**	**.0**	**17,701**	**3,216,346.9**

Town of Glen Ridge

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	86	3,998.9	4	439.4	4	411.0	0	.0	94	4,849.3
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	1	35.4	0	.0	0	.0	0	.0	1	35.4
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	7	1,524.1	0	.0	0	.0	0	.0	7	1,524.1
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**94**	**5,558.4**	**4**	**439.4**	**4**	**411.0**	**0**	**.0**	**102**	**6,408.8**

Village of Golf

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	104	16,714.6	17	2,564.3	5	1,076.2	0	.0	126	20,355.1
Multi-Family Residential	1	325.0	0	.0	1	19.8	0	.0	2	344.8
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	2	304.7	0	.0	0	.0	0	.0	2	304.7
Commercial	7	5,018.1	2	2,007.0	1	5,130.9	0	.0	10	12,155.9
Industrial	6	321.9	0	.0	1	83.8	0	.0	7	405.7
Agricultural	1	35.4	0	.0	0	.0	0	.0	1	35.4
Miscellaneous/Undefined	22	7,338.1	16	5,658.9	4	2,674.3	0	.0	42	15,671.3
Total	**143**		**35**	**10,230.1**	**12**	**8,985.1**	**0**	**.0**	**190**	**19,215.2**

City of Greenacres

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2,180	136,315.4	1,462	195,772.2	1,176	194,275.9	0	.0	4,818	526,363.6
Multi-Family Residential	3,170	152,842.3	310	68,147.5	561	54,204.0	0	.0	4,041	275,193.9
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	58	16,767.6	24	27,548.0	34	82,796.1	0	.0	116	127,111.8
Commercial	303	66,989.9	41	40,989.5	21	23,188.3	0	.0	365	131,167.7
Industrial	28	3,651.5	2	693.2	2	2,114.0	0	.0	32	6,458.7
Agricultural	2	29.5	0	.0	2	65.3	0	.0	4	94.8
Miscellaneous/Undefined	6	30.5	0	.0	0	.0	0	.0	6	30.5
Total	**5,747**	**376,626.8**	**1,839**	**333,150.5**	**1,796**	**356,643.7**	**0**	**.0**	**9,382**	**1,066,421.0**

Town of Gulf Stream

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	189	22,305.7	14	2,740.1	1	83.4	0	.0	204	25,129.2
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	10	1,965.7	0	.0	1	735.7	0	.0	11	2,701.4
Commercial	5	2,107.8	2	1,852.0	0	.0	0	.0	7	3,959.8
Industrial	8	542.6	1	18.5	0	.0	0	.0	9	561.1
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	57	31,449.5	57	55,147.8	28	38,253.1	0	.0	142	124,850.4
Total	**269**	**58,371.2**	**74**	**59,758.4**	**30**	**39,072.3**	**0**	**.0**	**373**	**157,201.9**

Town of Haverhill

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	445	24,410.3	107	9,298.4	14	1,354.6	0	.0	566	35,063.3
Multi-Family Residential	4	595.2	0	.0	0	.0	0	.0	4	595.2
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	13	2,571.3	1	19.0	1	27.2	0	.0	15	2,617.5
Commercial	26	3,032.9	1	387.9	1	259.2	0	.0	28	3,679.9
Industrial	1	26.7	0	.0	13	3,263.2	0	.0	14	3,289.9
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**489**	**30,636.4**	**109**	**9,705.3**	**29**	**4,904.1**	**0**	**.0**	**627**	**45,245.8**

Town of Highland Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	62	5,138.0	18	14,451.9	0	.0	0	.0	80	19,589.9
Multi-Family Residential	133	39,129.0	9	3,659.5	2	1,643.1	0	.0	144	44,431.7
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	6	1,694.2	4	1,497.3	2	3,294.9	0	.0	12	6,486.3
Commercial	16	5,774.4	2	545.0	0	.0	0	.0	18	6,319.4
Industrial	0	.0	1	20.7	0	.0	0	.0	1	20.7
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	14	6,849.8	84	83,251.1	49	56,801.6	0	.0	147	146,902.5
Total	**231**	**58,585.4**	**118**	**103,425.6**	**53**	**61,739.6**	**0**	**.0**	**402**	**223,750.6**

Town of Hypoluxo

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	95	9,749.3	2	360.0	1	425.7	0	.0	98	10,534.9
Multi-Family Residential	214	18,440.0	170	30,970.0	149	29,704.0	0	.0	533	79,114.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	4	398.0	1	445.0			0	.0	5	843.0
Commercial	8	2,152.5	0	.0	0	.0	0	.0	8	2,152.5
Industrial	40	7,169.4	0	.0	0	.0	2	697.4	42	7,866.8
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**361**	**37,909.2**	**173**	**31,775.0**	**150**	**30,129.7**	**2**	**697.4**	**686**	**100,511.2**

Town of Juno Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	222	31,705.9	41	18,092.2	8	1,533.2	0	.0	271	51,331.3
Multi-Family Residential	161	40,192.6	111	23,660.4	76	19,530.2	0	.0	348	83,383.2
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	13	5,575.2	3	684.3	3	1,830.6	0	.0	19	8,090.1
Commercial	66	71,999.9	16	10,229.0	7	23,260.8	0	.0	89	105,489.7
Industrial	4	152.5	4	265.1	4	613.8	0	.0	12	1,031.4
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	17	6,890.7	32	12,918.9	28	13,022.1	0	.0	77	32,831.7
Total	**483**	**156,516.7**	**207**	**65,849.9**	**126**	**59,790.8**	**0**	**.0**	**816**	**282,157.4**

Town of Jupiter

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	5,751	813,290.9	3,516	650,908.0	389	71,670.2	0	.0	9,656	1,535,869.1
Multi-Family Residential	3,447	442,220.9	847	140,413.5	1,489	291,255.8	0	.0	5,783	873,890.2
Mobile Home Residential	46	15,197.6	38	13,940.3	3	1,511.2	0	.0	87	30,649.1
Institutional/Governmental	107	58,966.7	46	37,157.7	58	102,875.9	0	.0	211	199,000.3
Commercial	446	107,288.1	168	169,127.7	85	98,214.6	0	.0	699	374,630.4
Industrial	252	46,654.3	46	18,813.8	39	71,085.8	0	.0	337	136,553.9
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	197	61,552.2	411	239,533.0	1,756	786,117.8	0	.0	2,364	1,087,202.9
Total	**10,246**	**1,545,170.7**	**5,072**	**1,269,893.9**	**3,819**	**1,422,731.3**	**0**	**.0**	**19,137**	**4,237,795.8**

Town of Jupiter Inlet Colony

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	129	13,434.5	21	2,827.3	4	738.2	0	.0	154	17,000.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	45.2	0	.0	0	.0	0	.0	1	45.2
Commercial	1	202.3	0	.0	0	.0	0	.0	1	202.3
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	17	5,493.5	43	21,937.1	20	16,495.4	0	.0	80	43,926.0
Total	**148**	**19,175.6**	**64**	**24,764.5**	**24**	**17,233.6**	**0**	**.0**	**236**	**61,173.6**

Town of Lake Clarke Shores

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,061	94,666.8	39	4,714.2	11	1,803.7	0	.0	1,111	101,184.7
Multi-Family Residential	283	24,652.1	0	.0	0	.0	0	.0	283	24,652.1
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	7	2,099.5	0	.0	3	989.2	0	.0	10	3,088.7
Commercial	18	8,409.3	3	1,233.5	0	.0	0	.0	21	9,642.8
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	1	283.2	0	.0	1	283.2
Total	**1,369**	**129,827.7**	**42**	**5,947.7**	**15**	**3,076.0**	**0**	**.0**	**1,426**	**138,851.5**

Town of Lake Park

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,380	51,180.4	44	2,099.4	16	940.6	0	.0	1,440	54,220.5
Multi-Family Residential	63	10,921.1	5	9,329.4	16	6,656.9	0	.0	84	26,907.3
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	28	5,377.6	6	1,703.2	7	3,583.1	0	.0	41	10,663.8
Commercial	288	44,504.5	38	20,920.4	25	35,194.4	0	.0	351	100,619.2
Industrial	117	19,180.0	12	5,642.0	5	1,146.3	0	.0	134	25,968.3
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**1,876**	**131,163.5**	**105**	**39,694.4**	**69**	**47,521.2**	**0**	**.0**	**2,050**	**218,379.2**

Town of Lake Worth

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	7,418	349,493.4	207	20,710.9	260	19,792.5	0	.0	7,885	389,996.7
Multi-Family Residential	189	29,202.5	5	1,032.1	222	23,328.2	0	.0	416	53,562.8
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	125	40,624.0	27	29,568.1	12	17,925.1	0	.0	164	88,117.1
Commercial	1,898	147,104.9	48	21,279.9	36	12,070.2	0	.0	1,982	180,455.0
Industrial	261	40,047.6	19	8,060.4	26	9,140.9	0	.0	306	57,248.9
Agricultural	1	9.7	0	.0	0	.0	0	.0	1	9.7
Miscellaneous/Undefined	3	2,355.7	9	4,937.6	9	6,070.0	0	.0	21	13,363.2
Total	**9,895**	**608,837.7**	**315**	**85,589.0**	**565**	**88,326.8**	**0**	**.0**	**10,775**	**782,753.5**

Town of Latana

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2,244	110,192.1	79	9,305.2	16	1,497.2	0	.0	2,339	120,994.5
Multi-Family Residential	66	7,309.0	29	4,812.4	65	18,093.4	0	.0	160	30,214.8
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	37	22,920.8	4	4,684.5	8	14,445.3	0	.0	49	42,050.6
Commercial	390	50,824.6	23	7,719.0	6	10,099.3	0	.0	419	68,642.9
Industrial	62	8,221.2	15	3,519.6	2	46.7	0	.0	79	11,787.6
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	16	4,225.8	45	26,483.1	28	26,769.7	0	.0	89	57,478.6
Total	**2,815**	**203,693.6**	**195**	**56,523.8**	**125**	**70,951.6**	**0**	**.0**	**3,135**	**331,169.0**

Town of Loxahatchee Grove

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	812	63,937.3	165	17,138.9	131	17,295.4	0	.0	1,108	98,371.7
Multi-Family Residential	134	969.5	10	213.9	1	44.1	0	.0	145	1,227.5
Mobile Home Residential	0	.0	0	.0	1	57.3	0	.0	1	57.3
Institutional/Governmental	10	5,572.3	2	515.3	0	.0	0	.0	12	6,087.5
Commercial	10	2,448.3	7	2,407.5	3	517.7	0	.0	20	5,373.5
Industrial	17	954.3	2	72.9	2	313.9	0	.0	21	1,341.0
Agricultural	30	446.1	25	1,424.8	10	648.4	0	.0	65	2,519.3
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**1,013**	**74,327.8**	**211**	**21,773.3**	**148**	**18,876.8**	**0**	**.0**	**1,372**	**114,977.9**

Town of Manalapan

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	43	3,767.8	6	1,501.2	1	290.2	0	.0	50	5,559.2
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	2	755.2	0	.0	0	.0	0	.0	2	755.2
Commercial	2	205.9	3	8,755.7	1	59,011.9	0	.0	6	67,973.5
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	66	46,893.9	45	61,367.4	38	109,745.1	0	.0	149	218,006.4
Total	**113**	**51,622.8**	**54**	**71,624.3**	**40**	**169,047.2**	**0**	**.0**	**207**	**292,294.2**

Town of Mangonia Park

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	155	4,609.9	44	1,736.5	5	301.2	0	.0	204	6,647.6
Multi-Family Residential	0	.0	4	2,164.2	0	.0	0	.0	4	2,164.2
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	8	4,481.7	1	195.0	16	5,860.9	0	.0	25	10,537.6
Commercial	42	15,883.4	10	4,705.0	4	1,413.7	0	.0	56	22,002.0
Industrial	92	27,114.8	23	8,821.7	0	.0	0	.0	115	35,936.4
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**297**	**52,089.8**	**82**	**17,622.3**	**25**	**7,575.8**	**0**	**.0**	**404**	**77,287.9**

Village of North Palm Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,979	158,607.9	184	22,732.0	96	16,502.5	0	.0	2,259	197,842.4
Multi-Family Residential	68	6,983.1	106	34,915.7	54	6,125.0	0	.0	228	48,023.9
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	57	16,931.0	12	6,922.6	5	1,067.2	0	.0	74	24,920.8
Commercial	186	55,721.3	32	31,118.1	14	19,884.6	0	.0	232	106,724.0
Industrial	9	942.6	0	.0	4	3,274.0	0	.0	13	4,216.6
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	4	1,974.0	143	64,853.4	97	76,485.7	0	.0	244	143,313.1
Total	**2,303**	**241,160.0**	**477**	**160,541.8**	**270**	**123,339.0**	**0**	**.0**	**3,050**	**525,040.7**

Town of Ocean Ridge

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	268	28,020.1	29	3,861.9	11	1,865.9	0	.0	308	33,747.9
Multi-Family Residential	86	38,741.0	13	4,314.0	6	5,440.0	0	.0	105	48,495.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	7	504.5	0	.0	1	1,348.4	0	.0	8	1,852.8
Commercial	44	3,567.2	0	.0	2	467.2	0	.0	46	4,034.4
Industrial	2	121.1	0	.0	0	.0	0	.0	2	121.1
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	56	17,990.9	82	49,523.0	57	55,088.7	0	.0	195	122,602.6
Total	**463**	**88,944.8**	**124**	**57,698.9**	**77**	**64,210.2**	**0**	**.0**	**664**	**210,853.9**

City of Pahokee

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	817	41,946.0	114	7,264.2	64	5,167.8	0	.0	995	54,377.9
Multi-Family Residential	55	1,949.3	16	1,465.9	6	531.6	0	.0	77	3,946.7
Mobile Home Residential	49	1,211.6	0	.0	0	.0	0	.0	49	1,211.6
Institutional/Governmental	55	14,782.1	15	15,536.1	10	9,275.3	0	.0	80	39,593.6
Commercial	181	9,198.6	4	1,459.5	4	1,146.1	0	.0	189	11,804.2
Industrial	47	6,303.4	4	240.5	2	98.2	0	.0	53	6,642.1
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**1,204**	**75,391.0**	**153**	**25,966.1**	**86**	**16,219.0**	**0**	**.0**	**1,443**	**117,576.1**

Town of Palm Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,009	63,655.3	96	9,679.0	32	3,436.8	0	.0	1,137	76,771.1
Multi-Family Residential	69	93,201.5	7	19,825.0	0	.0	0	.0	76	113,026.5
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	32	25,821.6	8	5,809.9	9	12,559.3	0	.0	49	44,190.8
Commercial	230	130,953.0	65	243,015.6	19	28,964.4	0	.0	314	402,932.9
Industrial	18	1,108.7	7	280.9	1	43.2	0	.0	26	1,432.8
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	782	451,409.5	524	675,914.7	288	455,835.5	0	.0	1,594	1,583,159.7
Total	**2,140**	**766,149.6**	**707**	**954,525.1**	**349**	**500,839.1**	**0**	**.0**	**3,196**	**2,221,513.7**

City of Palm Beach Gardens

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	5,659	837,800.1	1,893	510,271.5	2,554	799,703.3	0	.0	10,106	2,147,774.8
Multi-Family Residential	5,172	605,171.7	673	176,339.0	925	237,767.6	0	.0	6,770	1,019,278.4
Mobile Home Residential	0	.0	56	19,139.2	0	.0	0	.0	56	19,139.2
Institutional/Governmental	94	68,787.0	24	39,148.2	57	137,849.0	0	.0	175	245,784.3
Commercial	342	245,984.0	120	346,663.3	160	332,148.0	0	.0	622	924,795.4
Industrial	53	8,311.6	26	14,615.8	23	11,417.6	0	.0	102	34,345.0
Agricultural	2	20.2	0	.0	0	.0	0	.0	2	20.2
Miscellaneous/Undefined	392	143,928.1	752	338,664.0	1,377	948,503.0	0	.0	2,521	1,431,095.0
Total	**11,714**	**1,910,002.7**	**3,544**	**1,444,841.0**	**5,096**	**2,467,388.5**	**0**	**.0**	**20,354**	**5,822,232.2**

Town of Palm Beach Shores

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	270	17,934.4	20	1,950.7	11	1,535.8	0	.0	301	21,420.9
Multi-Family Residential	28	4,019.0	3	595.1	6	12,328.6	0	.0	37	16,942.6
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	4	391.5	2	324.0	1	536.3	0	.0	7	1,251.8
Commercial	48	6,070.2	1	1,268.1	2	793.7	0	.0	51	8,131.9
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	1	1,249.8	14	7,067.1	0	.0	15	8,316.9
Total	**350**	**28,415.0**	**27**	**5,387.6**	**34**	**22,261.5**	**0**	**.0**	**411**	**56,064.1**

Village of Palm Springs

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2,106	114,427.5	73	6,287.9	113	11,229.1	0	.0	2,292	131,944.6
Multi-Family Residential	1,538	99,214.6	102	6,311.0	164	17,265.8	0	.0	1,804	122,791.4
Mobile Home Residential	0	.0	0	.0	1	51.5	0	.0	1	51.5
Institutional/Governmental	65	25,004.9	1	113.7	15	38,035.4	0	.0	81	63,154.1
Commercial	469	77,800.0	51	26,640.3	35	26,666.0	0	.0	555	131,106.4
Industrial	30	3,525.4	6	2,617.1	11	4,142.2	0	.0	47	10,284.6
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**4,208**	**319,972.5**	**233**	**41,970.0**	**339**	**97,390.1**	**0**	**.0**	**4,780**	**459,332.5**

City of Riviera Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	5,286	146,187.7	873	90,940.8	678	63,133.0	0	.0	6,837	300,261.5
Multi-Family Residential	293	19,106.6	186	35,749.7	1,773	102,876.2	0	.0	2,252	157,732.5
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	124	28,163.2	25	170,916.0	33	51,566.6	0	.0	182	250,645.8
Commercial	931	88,930.0	62	76,740.9	53	52,286.9	0	.0	1,046	217,957.8
Industrial	349	111,303.8	57	50,636.4	47	42,010.1	0	.0	453	203,950.3
Agricultural	3	30.7	0	.0	0	.0	0	.0	3	30.7
Miscellaneous/Undefined	22	5,398.4	17	6,983.9	24	16,021.8	0	.0	63	28,404.1
Total	**7,008**	**399,120.5**	**1,220**	**431,967.6**	**2,608**	**327,894.6**	**0**	**.0**	**10,836**	**1,158,982.8**

Village of Royal Palm Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	4,089	338,770.0	2,321	306,451.8	2,579	430,456.5	0	.0	8,989	1,075,678.2
Multi-Family Residential	1,182	89,632.9	129	12,172.5	352	37,438.3	0	.0	1,663	139,243.8
Mobile Home Residential	0	.0	1	37.9	0	.0	0	.0	1	37.9
Institutional/Governmental	30	21,961.0	15	24,163.2	35	34,106.6	0	.0	80	80,230.8
Commercial	73	33,386.3	102	88,680.1	93	101,074.2	0	.0	268	223,140.6
Industrial	34	10,580.8	19	5,628.3	29	15,734.8	0	.0	82	31,943.9
Agricultural	0	.0	1	32.5	0	.0	0	.0	1	32.5
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**5,408**	**494,331.1**	**2,588**	**437,166.3**	**3,088**	**618,810.3**	**0**	**.0**	**11,084**	**1,550,307.7**

City of South Bay

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	447	21,245.5	93	5,630.6	37	3,213.5	0	.0	577	30,089.6
Multi-Family Residential	30	2,097.0	2	81.3	0	.0	0	.0	32	2,178.3
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	31	6,164.7	12	21,561.8	2	7,425.3	0	.0	45	35,151.8
Commercial	196	12,041.6	5	4,634.9	4	2,301.8	0	.0	205	18,978.3
Industrial	31	2,592.5	1	389.7	3	376.7	0	.0	35	3,358.8
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**735**	**44,141.3**	**113**	**32,298.2**	**46**	**13,317.3**	**0**	**.0**	**894**	**89,756.8**

Town of South Palm Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	3	366.8	0	.0	0	.0	0	.0	3	366.8
Multi-Family Residential	15	4,613.0	0	.0	0	.0	0	.0	15	4,613.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	2	308.1	0	.0	0	.0	0	.0	2	308.1
Commercial	1	760.4	0	.0	0	.0	0	.0	1	760.4
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	1	1,371.5	0	.0	1	1,371.5
Total	**21**	**6,048.2**	**0**	**.0**	**1**	**1,371.5**	**0**	**.0**	**22**	**7,419.8**

Village of Tequesta

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,222	128,154.5	186	29,576.4	100	19,532.0	0	.0	1,508	177,262.9
Multi-Family Residential	87	6,076.6	168	27,188.0	37	8,695.0	0	.0	292	41,959.6
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	22	7,950.8	9	11,522.8	4	2,936.9	0	.0	35	22,410.5
Commercial	73	23,887.5	17	12,896.3	7	7,186.2	0	.0	97	43,970.0
Industrial	11	987.0	2	404.2	1	27.8	0	.0	14	1,419.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	9	3,082.0	32	15,252.8	29	29,392.0	0	.0	70	47,726.8
Total	**1,424**	**170,138.3**	**414**	**96,840.5**	**178**	**67,769.9**	**0**	**.0**	**2,016**	**334,748.7**

Village of Wellington

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	6,111	835,873.3	4,455	802,628.4	4,520	1,085,542.0	0	.0	15,086	2,724,043.7
Multi-Family Residential	1,974	211,364.6	497	96,415.6	664	114,607.7	0	.0	3,135	422,388.0
Mobile Home Residential	0	.0	1	41.9	1	50.4	0	.0	2	92.3
Institutional/Governmental	52	52,109.4	25	22,153.3	62	96,838.5	0	.0	139	171,101.2
Commercial	301	58,223.5	181	217,488.7	139	151,449.3	0	.0	621	427,161.4
Industrial	63	6,839.3	58	10,083.0	40	4,433.2	0	.0	161	21,355.5
Agricultural	120	6,292.5	189	30,395.2	210	50,525.1	0	.0	519	87,212.8
Miscellaneous/Undefined	93	66,157.1	175	136,380.3	366	177,550.2	0	.0	634	380,087.6
Total	**8,714**	**1,236,859.7**	**5,581**	**1,315,586.5**	**6,002**	**1,680,996.4**	**0**	**.0**	**20,297**	**4,233,442.6**

City of West Palm Beach

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	13,537	820,479.8	2,911	517,072.2	2,886	503,390.3	0	.0	19,334	1,840,942.3
Multi-Family Residential	2,870	259,249.8	1,397	251,314.0	1,149	178,968.4	0	.0	5,416	689,532.1
Mobile Home Residential	2	49.9	0	.0	7	322.2	0	.0	9	372.1
Institutional/Governmental	338	287,045.0	96	212,763.1	105	248,408.7	0	.0	539	748,216.8
Commercial	3,032	790,213.9	301	653,586.7	170	340,203.7	0	.0	3,503	1,784,004.4
Industrial	725	110,211.1	80	32,221.2	58	42,366.8	0	.0	863	184,799.1
Agricultural	3	124.0	0	.0	0	.0	0	.0	3	124.0
Miscellaneous/Undefined	267	82,127.5	345	148,827.7	296	170,304.7	0	.0	908	401,259.9
Total	**20,774**	**2,349,500.9**	**5,130**	**1,815,784.9**	**4,671**	**1,483,964.8**	**0**	**.0**	**30,575**	**5,649,250.7**

St. Lucie County

Unincorporated St. Lucie County

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	15,657	1,005,621.8	2,740	342,097.4	3,940	561,739.6	0	.0	22,337	1,909,458.8
Multi-Family Residential	6,552	1,001,069.2	939	307,814.8	753	610,897.8	0	.0	8,244	1,919,781.8
Mobile Home Residential	3,002	70,123.8	852	39,121.1	978	54,399.8	0	.0	4,832	163,644.7
Commercial	640	493,461.7	89	94,939.4	66	102,122.0	1	2,561.2	796	693,084.3
Institutional/Governmental	323	267,503.9	101	285,518.6	76	267,314.0	1	66.3	501	820,402.8
Industrial	438	156,931.7	77	35,220.3	146	76,272.4	0	.0	661	268,424.4
Agricultural	935	199,418.6	90	45,278.5	181	68,857.7	0	.0	1,206	313,554.8
Miscellaneous/Undefined	45	6,041.1	8	469.5	8	1,476.8	0	.0	61	7,987.4
Total	**27,592**	**3,200,171.8**	**4,896**	**1,150,459.6**	**6,148**	**1,743,080.1**	**2**	**2,627.5**	**38,638**	**6,096,339.0**

Fort Pierce

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	8,317	351,224.3	298	26,194.7	1,049	104,952.3	0	.0	9,664	482,371.3
Multi-Family Residential	4,525	426,476.9	94	229,197.9	1,613	445,640.0	0	.0	6,232	1,101,314.8
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	948	251,843.3	113	64,264.7	102	64,053.1	0	.0	1,163	380,161.1
Institutional/Governmental	810	1,241,094.9	102	230,207.5	66	190,592.3	0	.0	978	1,661,894.7
Industrial	198	100,419.5	14	6,605.9	29	146,460.9	1	572.7	242	254,059.0
Agricultural	7	429.8	0	.0	0	.0	0	.0	7	429.8
Miscellaneous/Undefined	27	32,091.8	2	3,923.8	2	164.2	0	.0	31	36,179.8
Total	**14,832**	**2,403,580.5**	**623**	**560,394.5**	**2,861**	**951,862.8**	**1**	**572.7**	**18,317**	**3,916,410.5**

Port St. Lucie

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	28,040	1,639,516.0	8,104	789,166.7	29,409	3,111,019.3	0	.0	65,553	5,539,702.0
Multi-Family Residential	1,512	145,792.5	194	295,131.3	1,099	164,627.8	0	.0	2,805	605,551.6
Mobile Home Residential	1	53.9	1	78.1	0	.0	0	.0	2	132.0
Institutional/Governmental	202	378,087.8	90	155,878.7	167	858,114.3	2	1,736.7	461	1,393,817.5
Commercial	316	611,917.2	203	134,841.4	424	431,265.5	0	.0	943	1,178,024.1
Industrial	264	73,942.2	123	44,352.2	357	109,700.7	0	.0	744	227,995.1
Agricultural	41	3,969.2	0	.0	2	261.0	0	.0	43	4,230.2
Miscellaneous/Undefined	4	67.2	6	4,606.2	11	1,985.7	0	.0	21	6,659.1
Total	**30,380**	**2,853,346.0**	**8,721**	**1,424,054.6**	**31,469**	**4,676,974.3**	**2**	**1,736.7**	**70,572**	**8,956,111.6**

St. Lucie Village

Estimated Vulnerability to Wind

Structure Use	Most Vulnerable		Moderately Vulnerable		Least Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	252	18,860.7	20	2,234.1	29	6,118.3	0	.0	301	27,213.1
Multi-Family Residential	36	2,885.4	1	2.9	1	29.1	0	.0	38	2,917.4
Mobile Home Residential	14	301.9	0	.0	0	.0	0	.0	14	301.9
Institutional/Governmental	6	407.0	0	.0	0	.0	0	.0	6	407.0
Commercial	24	3,220.6	2	94.5	1	94.4	0	.0	27	3,409.5
Industrial	6	717.8	4	3,778.4	6	2,993.8	0	.0	16	7,490.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**338**	**26,393.4**	**27**	**6,109.9**	**37**	**9,235.6**	**0**	**.0**	**402**	**41,738.9**

Estimated Vulnerability to Flooding

Indian River County

Unincorporated Indian River County

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,552	174,777.0	10,182	109,549.8	0	.0	11,734	284,326.9
Multi-Family Residential	64	16,601.9	346	109,549.8	0	.0	410	126,151.7
Mobile Home Residential	49	460.1	60	1,470.3	0	.0	109	1,930.3
Institutional/Governmental	30	7,602.9	84	227,229.2	0	.0	114	234,832.1
Commercial	13	1,643.9	88	78,219.9	0	.0	101	79,863.8
Industrial	3	431.5	25	30,926.5	0	.0	28	31,358.0
Agricultural	71	4,559.1	160	32,626.7	0	.0	231	37,185.8
Miscellaneous/Undefined	0	.0	13	1,310.2	0	.0	13	1,310.2
Total	**1,782**	**206,076.4**	**10,958**	**590,882.3**	**0**	**.0**	**12,740**	**796,958.7**

City of Fellsmere

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	64	2,970.8	103	8,900.6	0	.0	167	11,871.4
Multi-Family Residential	2	106.7	1	63.0	0	.0	3	169.7
Mobile Home Residential	114	1,584.8	45	1,381.0	0	.0	159	2,965.8
Institutional/Governmental	1	182.8	6	1,560.3	0	.0	7	1,743.1
Commercial	5	1,419.5	9	1,308.3	0	.0	14	2,727.8
Industrial	0	.0	3	572.7	0	.0	3	572.7
Agricultural	7	2,227.2	2	431.0	0	.0	9	2,658.2
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**193**	**8,491.7**	**169**	**14,216.9**	**0**	**.0**	**362**	**22,708.6**

Town of Indian River Shores

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	182	84,023.3	0	.0	182	84,023.3
Multi-Family Residential	0	.0	16	3,519.5	0	.0	16	3,519.5
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**198**	**87,542.8**	**0**	**.0**	**198**	**87,542.8**

Town of Orchid

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	276	239,839.6	0	.0	276	239,839.6
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	3	958.8	0	.0	3	958.8
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	1	258.8	0	.0	1	258.8
Total	**0**	**.0**	**280**	**241,057.2**	**0**	**.0**	**280**	**241,057.2**

City of Sebastian

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	226	9,132.9	1,256	116,181.4	0	.0	1,482	125,314.3
Multi-Family Residential	0	.0	120	11,462.8	0	.0	120	11,462.8
Mobile Home Residential	0	.0	7	315.3	0	.0	7	315.3
Institutional/Governmental	4	1,947.8	15	7,149.5	0	.0	19	9,097.3
Commercial	1	237.4	13	15,950.9	0	.0	14	16,188.3
Industrial	0	.0	3	323.0	0	.0	3	323.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**231**	**11,318.1**	**1,414**	**151,382.8**	**0**	**.0**	**1,645**	**162,701.0**

City of Vero Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	520	54,525.0	639	191,364.5	0	.0	1,159	245,889.5
Multi-Family Residential	9	873.4	16	3,044.5	0	.0	25	3,917.9
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	3	13,452.1	18	22,256.4	0	.0	21	35,708.5
Commercial	4	2,904.7	89	83,500.4	0	.0	93	86,405.1
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	1	166.9	0	.0	1	166.9
Total	**536**	**71,755.2**	**763**	**300,332.6**	**0**	**.0**	**1,299**	**372,087.8**

Martin County

Unincorporated Martin County

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2,575	230,687.4	4,159	1,128,385.0	1	13.1	6,735	1,359,085.5
Multi-Family Residential	4,443	435,089.6	2,910	510,619.3	239	3,288.2	7,592	948,997.1
Mobile Home Residential	741	9,724.1	208	7,189.3	0	.0	949	16,913.5
Institutional/Governmental	299	9,757.5	48	129,111.1	23	847.8	370	139,716.3
Commercial	49	8,286.2	96	83,616.1	8	928.0	153	92,830.3
Industrial	2	324.5	3	1,965.8	0	.0	5	2,290.3
Agricultural	130	4,205.6	46	9,937.7	20	324.4	196	14,467.7
Miscellaneous/Undefined	1,710	47.8	40	1,508.7	27	387.1	1,777	1,943.7
Total	**9,949**	**698,122.6**	**7,510**	**1,872,333.1**	**318**	**5,788.6**	**17,777**	**2,576,244.3**

Town of Jupiter Island

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	51	16,302.9	262	381,262.9	0	.0	313	397,565.8
Multi-Family Residential	0	.0	0	.0	2	4.8	2	4.8
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	60	.0	2	869.5	0	.0	62	869.5
Commercial	0	.0	1	9,908.4	0	.0	1	9,908.4
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	77	.0	0	.0	0	.0	77	.0
Total	**188**	**16,302.9**	**265**	**392,040.9**	**2**	**4.8**	**455**	**408,348.6**

Town of Ocean Breeze Park

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	2	.0	0	.0	0	.0	2	.0
Total	**2**	**.0**	**0**	**.0**	**0**	**.0**	**2**	**.0**

Town of Sewall's Point

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	166	20,318.9	382	160,034.2	0	.0	548	180,353.0
Multi-Family Residential	0	.0	3	2,269.7	13	318.0	16	2,587.7
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	5	192.0	1	441.6	1	19.8	7	653.4
Commercial	0	.0	5	5,888.9	0	.0	5	5,888.9
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	65	.0	0	.0	0	.0	65	.0
Total	**236**	**20,510.9**	**391**	**168,634.4**	**14**	**337.8**	**641**	**189,483.1**

City of Stuart

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	104	9,054.5	111	30,174.1	0	.0	215	39,228.6
Multi-Family Residential	1,415	87,956.9	1,147	104,474.3	5	32.4	2,567	192,463.5
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	15	797.3	12	120,113.4	5	147.9	32	121,058.6
Commercial	12	1,389.1	48	41,073.6	1	2,470.6	61	44,933.3
Industrial	0	.0	2	2,721.8	0	.0	2	2,721.8
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	73	105.8	1	132.2	4	63.8	78	301.9
Total	**1,619**	**99,303.6**	**1,321**	**298,689.4**	**15**	**2,714.7**	**2,955**	**400,707.7**

Palm Beach County

Unincorporated Palm Beach County

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	643	26,646.0	19,049	3,000,597.8	0	.0	19,692	3,027,243.8
Multi-Family Residential	10,407	1,996,364.7	74,087	14,089,943.6	0	.0	84,494	16,086,308.2
Mobile Home Residential	22	1,320.7	13	1,803.0	0	.0	35	3,123.7
Institutional/Governmental	56	14,001.0	351	308,626.4	0	.0	407	322,627.4
Commercial	254	6,382.5	2,853	520,155.7	0	.0	3,107	526,538.2
Industrial	44	2,858.5	330	101,917.9	0	.0	374	104,776.4
Agricultural	22	236.3	73	4,219.6	0	.0	95	4,455.9
Miscellaneous/Undefined	2	.2	984	675,347.3	0	.0	986	675,347.5
Total	**11,450**	**2,047,809.9**	**97,740**	**18,702,611.3**	**0**	**.0**	**109,190**	**20,750,421.1**

City of Atlantis

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	44	3,675.5	95	10,482.2	0	.0	139	14,157.7
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	2	98.6	3	58,431.3	0	.0	5	58,529.9
Commercial	2	501.4	18	21,283.1	0	.0	20	21,784.5
Industrial	0	.0	4	433.2	0	.0	4	433.2
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	1	764.0	0	.0	1	764.0
Total	**48**	**4,275.5**	**121**	**91,393.8**	**0**	**.0**	**169**	**95,669.4**

City of Belle Glade

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

City of Boca Raton

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	782	69,173.3	2,949	482,124.4	0	.0	3,731	551,297.7
Multi-Family Residential	20	12,475.1	1,050	220,700.0	0	.0	1,070	233,175.1
Mobile Home Residential	10	1,567.5	0	.0	0	.0	10	1,567.5
Institutional/Governmental	31	25,175.8	162	250,586.4	0	.0	193	275,762.2
Commercial	72	88,806.3	260	889,495.4	0	.0	332	978,301.8
Industrial	20	2,623.0	104	76,629.7	0	.0	124	79,252.7
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	821	748,958.6	0	.0	821	748,958.6
Total	**935**	**199,821.1**	**5,346**	**2,668,494.5**	**0**	**.0**	**6,281**	**2,868,315.6**

City of Boynton Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	503	30,103.7	3,425	318,764.2	0	.0	3,928	348,867.9
Multi-Family Residential	51	5,124.7	2,352	309,172.4	0	.0	2,403	314,297.1
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	30	9,923.8	83	68,207.6	0	.0	113	78,131.5
Commercial	24	3,260.0	190	290,365.6	0	.0	214	293,625.6
Industrial	16	4,028.7	60	36,807.7	0	.0	76	40,836.3
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	99	12,241.7	0	.0	99	12,241.7
Total	**624**	**52,440.8**	**6,209**	**1,035,559.2**	**0**	**.0**	**6,833**	**1,088,000.0**

Town of Briny Breezes

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	2	187.4	0	.0	0	.0	2	187.4
Commercial	3	92.8	0	.0	0	.0	3	92.8
Industrial	5	454.7	0	.0	0	.0	5	454.7
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**10**	**735.0**	**0**	**.0**	**0**	**.0**	**10**	**735.0**

Town of Cloud Lake

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	25	833.0	4	365.4	0	.0	29	1,198.4
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	2	81.6	1	59.9	0	.0	3	141.6
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**27**	**914.6**	**5**	**425.4**	**0**	**.0**	**32**	**1,340.0**

City of Delray Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	256	17,047.6	1,978	262,570.0	0	.0	2,234	279,617.6
Multi-Family Residential	54	11,430.4	1,440	281,900.8	0	.0	1,494	293,331.1
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	15	3,082.8	67	62,924.0	0	.0	82	66,006.8
Commercial	24	3,037.8	141	161,111.8	0	.0	165	164,149.6
Industrial	6	837.1	55	12,307.9	0	.0	61	13,145.1
Agricultural	0	.0	1	11.6	0	.0	1	11.6
Miscellaneous/Undefined	0	.0	366	319,652.9	0	.0	366	319,652.9
Total	**355**	**35,435.7**	**4,048**	**1,100,479.0**	**0**	**.0**	**4,403**	**1,135,914.7**

Town of Glen Ridge

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	48	1,947.4	15	1,305.6	0	.0	63	3,253.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	1	899.4	0	.0	1	899.4
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**48**	**1,947.4**	**16**	**2,205.0**	**0**	**.0**	**64**	**4,152.4**

Village of Golf

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

City of Greenacres

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

Town of Gulf Stream

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	49	4,130.0	106	15,067.8	0	.0	155	19,197.8
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	4	1,035.3	0	.0	0	.0	4	1,035.3
Institutional/Governmental	0	.0	11	2,701.4	0	.0	11	2,701.4
Commercial	1	42.5	4	2,832.7	0	.0	5	2,875.2
Industrial	2	86.0	7	475.1	0	.0	9	561.1
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	120	113,477.1	0	.0	120	113,477.1
Total	**56**	**5,293.8**	**248**	**134,554.1**	**0**	**.0**	**304**	**139,847.8**

Town of Haverhill

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

Town of Highland Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	17	421.8	63	19,168.2	0	.0	80	19,589.9
Multi-Family Residential	0	.0	137	43,154.0	0	.0	137	43,154.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	2	249.1	10	6,237.2	0	.0	12	6,486.3
Commercial	3	137.2	15	6,182.2	0	.0	18	6,319.4
Industrial	0	.0	1	20.7	0	.0	1	20.7
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	141	144,085.7	0	.0	141	144,085.7
Total	**22**	**808.0**	**367**	**218,848.1**	**0**	**.0**	**389**	**219,656.1**

Town of Hypoluxo

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	35	2,717.2	58	7,609.4	0	.0	93	10,326.6
Multi-Family Residential	0	.0	276	53,412.0	0	.0	276	53,412.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	3	342.5	0	.0	3	342.5
Commercial	1	26.3	1	481.3	0	.0	2	507.6
Industrial	1	43.1	3	2,218.9	0	.0	4	2,262.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**37**	**2,786.6**	**341**	**64,064.1**	**0**	**.0**	**378**	**66,850.6**

Town of Juno Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	16	512.7	28	19,360.1	0	.0	44	19,872.7
Multi-Family Residential	0	.0	35	12,123.0	0	.0	35	12,123.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	83.6	8	3,229.6	0	.0	9	3,313.1
Commercial	5	1,007.1	9	7,588.0	0	.0	14	8,595.1
Industrial	1	26.4	9	913.5	0	.0	10	939.8
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	14	11,087.2	0	.0	14	11,087.2
Total	**23**	**1,629.8**	**103**	**54,301.2**	**0**	**.0**	**126**	**55,931.0**

Town of Jupiter

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	136	5,316.7	1,291	243,835.1	0	.0	1,427	249,151.8
Multi-Family Residential	4	224.3	874	160,305.4	0	.0	878	160,529.7
Mobile Home Residential	0	.0	10	3,444.3	0	.0	10	3,444.3
Institutional/Governmental	12	926.6	56	77,164.8	0	.0	68	78,091.4
Commercial	21	930.7	201	129,798.5	0	.0	222	130,729.2
Industrial	29	1,409.2	131	22,876.9	0	.0	160	24,286.1
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	685	419,759.8	0	.0	685	419,759.8
Total	**202**	**8,807.4**	**3,248**	**1,057,184.9**	**0**	**.0**	**3,450**	**1,065,992.3**

Town of Jupiter Inlet Colony

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	9	1,401.7	0	.0	9	1,401.7
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	1	45.2	0	.0	1	45.2
Commercial	0	.0	1	202.3	0	.0	1	202.3
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	18	9,152.1	0	.0	18	9,152.1
Total	**0**	**.0**	**29**	**10,801.3**	**0**	**.0**	**29**	**10,801.3**

Town of Lake Clarke Shores

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	141	12,359.7	245	26,242.6	0	.0	386	38,602.3
Multi-Family Residential	0	.0	19	1,854.0	0	.0	19	1,854.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	1	23.3	0	.0	1	23.3
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**141**	**12,359.7**	**265**	**28,119.8**	**0**	**.0**	**406**	**40,479.6**

Town of Lake Park

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	8	462.3	6	477.2	0	.0	14	939.5
Multi-Family Residential	0	.0	45	19,800.0	0	.0	45	19,800.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	121.9	7	717.3	0	.0	8	839.1
Commercial	4	301.6	23	32,368.7	0	.0	27	32,670.3
Industrial	9	1,352.1	13	4,323.9	0	.0	22	5,676.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**22**	**2,237.9**	**94**	**57,686.9**	**0**	**.0**	**116**	**59,924.9**

Town of Lake Worth

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	245	17,438.1	500	56,777.3	0	.0	745	74,215.4
Multi-Family Residential	6	491.9	37	7,217.6	0	.0	43	7,709.5
Mobile Home Residential	1	512.3	0	.0	0	.0	1	512.3
Institutional/Governmental	8	2,459.2	7	8,480.9	0	.0	15	10,940.2
Commercial	37	4,792.7	34	6,697.3	0	.0	71	11,490.0
Industrial	5	729.7	15	2,648.8	0	.0	20	3,378.5
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	20	12,850.9	0	.0	20	12,850.9
Total	**302**	**26,424.0**	**613**	**94,672.8**	**0**	**.0**	**915**	**121,096.8**

Town of Lantana

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	139	6,422.8	207	23,455.2	0	.0	346	29,878.1
Multi-Family Residential	1	216.2	10	17,971.9	0	.0	11	18,188.1
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	5	1,296.7	3	2,438.2	0	.0	8	3,734.9
Commercial	29	1,816.9	16	5,228.4	0	.0	45	7,045.3
Industrial	5	241.8	5	505.5	0	.0	10	747.3
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	89	57,478.6	0	.0	89	57,478.6
Total	**179**		**330**		**0**	**.0**	**509**	**117,072.2**

Town of Loxahatchee Groves

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1	21.6	0	.0	0	.0	1	21.6
Multi-Family Residential	1	8.1	2	28.0	0	.0	3	36.1
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	1	67.1	0	.0	1	67.1
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**2**	**29.7**	**3**	**95.1**	**0**	**.0**	**5**	**124.8**

Town of Manalapan

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	18	882.3	32	4,676.9	0	.0	50	5,559.2
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	5	1,486.3	0	.0	0	.0	5	1,486.3
Institutional/Governmental	0	.0	2	755.2	0	.0	2	755.2
Commercial	0	.0	6	67,973.5	0	.0	6	67,973.5
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	144	216,520.1	0	.0	144	216,520.1
Total	**23**	**2,368.7**	**184**	**289,925.6**	**0**	**.0**	**207**	**292,294.2**

Town of Managonia Park

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	15	289.1	2	44.3	0	.0	17	333.4
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	82.9	3	2,994.9	0	.0	4	3,077.8
Commercial	2	139.4	5	2,080.4	0	.0	7	2,219.8
Industrial	1	589.8	25	9,233.3	0	.0	26	9,823.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**19**	**1,101.2**	**35**	**14,352.9**	**0**	**.0**	**54**	**15,454.1**

Village of North Palm Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	169	10,909.3	296	35,103.3	0	.0	465	46,012.6
Multi-Family Residential	11	1,938.7	104	35,258.1	0	.0	115	37,196.7
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	10	3,705.9	14	2,418.4	0	.0	24	6,124.3
Commercial	17	2,758.3	40	16,912.3	0	.0	57	19,670.6
Industrial	1	65.7	0	.0	0	.0	1	65.7
Agricultural	0	.0	6	3,488.5	0	.0	6	3,488.5
Miscellaneous/Undefined	0	.0	210	123,479.2	0	.0	210	123,479.2
Total	**208**	**19,377.8**	**670**	**216,659.8**	**0**	**.0**	**878**	**236,037.6**

Town of Ocean Ridge

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	57	4,167.9	233	28,299.6	0	.0	290	32,467.6
Multi-Family Residential	4	497.1	101	47,997.9	0	.0	105	48,495.0
Mobile Home Residential	1	13.8	0	.0	0	.0	1	13.8
Institutional/Governmental	0	.0	8	1,852.8	0	.0	8	1,852.8
Commercial	25	1,714.1	17	2,097.9	0	.0	42	3,812.0
Industrial	0	.0	2	121.1	0	.0	2	121.1
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	192	122,041.4	0	.0	192	122,041.4
Total	**87**	**6,393.0**	**553**	**202,410.8**	**0**	**.0**	**640**	**208,803.7**

City of Pahokee

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	25.6	6	433.2	0	.0	7	458.8
Commercial	1	19.5	1	210.0	0	.0	2	229.5
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**2**	**45.1**	**7**	**643.2**	**0**	**.0**	**9**	**688.3**

Town of Palm Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	450	20,738.0	348	34,746.8	0	.0	798	55,484.8
Multi-Family Residential	8	795.3	39	51,571.4	0	.0	47	52,366.7
Mobile Home Residential	141	52,813.1	0	.0	0	.0	141	52,813.1
Institutional/Governmental	12	3,607.1	33	38,011.6	0	.0	45	41,618.7
Commercial	87	15,417.3	169	328,425.8	0	.0	256	343,843.2
Industrial	8	359.6	15	960.4	0	.0	23	1,320.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	968	1,064,081.4	0	.0	968	1,064,081.4
Total	**706**	**93,730.3**	**1,572**	**1,517,797.5**	**0**	**.0**	**2,278**	**1,611,527.8**

City of Palm Beach Gardens

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	102	6,498.9	372	115,957.9	0	.0	474	122,456.8
Multi-Family Residential	0	.0	431	108,462.7	0	.0	431	108,462.7
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	107.1	10	15,495.9	0	.0	11	15,603.0
Commercial	1	101.0	65	113,565.6	0	.0	66	113,666.6
Industrial	0	.0	9	1,738.7	0	.0	9	1,738.7
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	292	225,490.5	0	.0	292	225,490.5
Total	**104**	**6,707.0**	**1,179**	**580,711.3**	**0**	**.0**	**1,283**	**587,418.3**

Town of Palm Beach Shores

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	24	1,349.5	55	4,372.0	0	.0	79	5,721.5
Multi-Family Residential	3	212.7	11	13,178.4	0	.0	14	13,391.1
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	90.0	5	1,124.9	0	.0	6	1,214.9
Commercial	2	53.9	8	2,063.4	0	.0	10	2,117.4
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	7	5,980.2	0	.0	7	5,980.2
Total	**30**	**1,706.1**	**86**	**26,718.9**	**0**	**.0**	**116**	**28,425.1**

Village of Palm Springs

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	576	27,516.6	398	27,901.6	0	.0	974	55,418.2
Multi-Family Residential	97	9,866.3	796	47,982.2	0	.0	893	57,848.5
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	17	3,672.0	20	33,223.2	0	.0	37	36,895.2
Commercial	42	5,016.6	104	52,576.7	0	.0	146	57,593.3
Industrial	9	479.6	12	3,840.7	0	.0	21	4,320.3
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**741**	**46,551.1**	**1,330**	**165,524.4**	**0**	**.0**	**2,071**	**212,075.5**

City of Riviera Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	511	14,631.8	963	71,905.7	0	.0	1,474	86,537.4
Multi-Family Residential	15	109.5	658	36,971.9	0	.0	673	37,081.4
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	8	2,626.0	29	7,330.7	0	.0	37	9,956.7
Commercial	95	5,792.3	130	79,942.8	0	.0	225	85,735.1
Industrial	18	2,092.8	90	70,744.0	0	.0	108	72,836.8
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	63	28,404.1	0	.0	63	28,404.1
Total	**647**	**25,252.3**	**1,933**	**295,299.2**	**0**	**.0**	**2,580**	**320,551.5**

Village of Royal Palm Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

City of South Bay

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

Town of South Palm Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1	11.1	1	173.2	0	.0	2	184.3
Multi-Family Residential	0	.0	15	4,613.0	0	.0	15	4,613.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	262.0	0	.0	0	.0	1	262.0
Commercial	0	.0	1	760.4	0	.0	1	760.4
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	1	1,371.5	0	.0	1	1,371.5
Total	**2**	**273.1**	**18**	**6,918.1**	**0**	**.0**	**20**	**7,191.2**

Village of Tequesta

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	4	246.9	220	31,069.9	0	.0	224	31,316.8
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	2	115.0	2	67.1	0	.0	4	182.0
Commercial	4	827.0	4	4,591.2	0	.0	8	5,418.2
Industrial	2	194.5	3	108.3	0	.0	5	302.8
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	66	46,172.6	0	.0	66	46,172.6
Total	**12**	**1,383.3**	**295**	**82,009.0**	**0**	**.0**	**307**	**83,392.3**

Village of Wellington

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	304	58,303.4	692	173,427.6	0	.0	996	231,730.9
Multi-Family Residential	275	76,968.1	324	80,511.4	0	.0	599	157,479.5
Mobile Home Residential	59	43,460.9	2	92.3	0	.0	61	43,553.3
Institutional/Governmental	9	1,279.7	23	3,828.3	0	.0	32	5,108.0
Commercial	15	3,718.0	40	39,403.6	0	.0	55	43,121.6
Industrial	39	3,497.0	71	8,027.4	0	.0	110	11,524.4
Agricultural	92	4,863.5	278	69,912.4	0	.0	370	74,775.9
Miscellaneous/Undefined	6	153.9	201	176,998.1	0	.0	207	177,152.0
Total	**799**	**192,244.5**	**1,631**	**552,201.0**	**0**	**.0**	**2,430**	**744,445.5**

City of West Palm Beach

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	362	22,132.5	3,543	594,199.9	0	.0	3,905	616,332.4
Multi-Family Residential	7	3,107.6	3,508	377,765.9	0	.0	3,515	380,873.5
Mobile Home Residential	13	3,736.5	1	44.0	0	.0	14	3,780.5
Institutional/Governmental	29	4,722.0	98	130,600.5	0	.0	127	135,322.5
Commercial	50	9,028.8	323	407,319.9	0	.0	373	416,348.7
Industrial	50	6,384.3	86	29,143.1	0	.0	136	35,527.5
Agricultural	1	61.4	0	.0	0	.0	1	61.4
Miscellaneous/Undefined	1	57.4	91	44,458.4	0	.0	92	44,515.8
Total	**513**	**49,230.4**	**7,650**	**1,583,531.8**	**0**	**.0**	**8,163**	**1,632,762.2**

St. Lucie County

Unincorporated St. Lucie County

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,670	110,479.6	2,678	323,700.7	0	.0	4,348	434,180.3
Multi-Family Residential	1,839	262,503.3	4,484	1,449,048.0	0	.0	6,323	1,711,551.3
Mobile Home Residential	375	1,399.1	2,737	94,048.3	0	.0	3,112	95,447.4
Institutional/Governmental	45	35,565.8	89	165,771.9	0	.0	134	201,337.7
Commercial	64	40,707.8	54	248,578.2	0	.0	118	289,286.1
Industrial	7	1,436.9	9	3,534.7	0	.0	16	4,971.6
Agricultural	87	5,983.9	73	8,152.6	0	.0	160	14,136.5
Miscellaneous/Undefined	6	43.4	8	295.2	0	.0	14	338.6
Total	**4,093**	**458,119.8**	**10,132**	**2,293,129.6**	**0**	**.0**	**14,225**	**2,751,249.5**

City of Fort Pierce

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	579	33,141.1	1,005	112,531.6	0	.0	1,584	145,672.7
Multi-Family Residential	1,425	83,396.5	3,304	677,483.4	0	.0	4,729	760,879.9
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	59	37,449.4	83	145,372.5	0	.0	142	182,821.9
Commercial	80	17,900.4	64	24,174.6	0	.0	144	42,075.0
Industrial	11	4,550.4	22	138,646.2	0	.0	33	143,196.6
Agricultural	7	429.8	0	.0	0	.0	7	429.8
Miscellaneous/Undefined	4	116.3	5	340.1	0	.0	9	456.4
Total	**2,165**	**176,983.9**	**4,483**	**1,098,548.4**	**0**	**.0**	**6,648**	**1,275,532.3**

City of Port St. Lucie

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	596	33,526.4	1,894	247,089.5	0	.0	2,490	280,615.9
Multi-Family Residential	100	14,528.8	304	22,459.3	0	.0	404	36,988.1
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	6	875.2	22	24,718.4	0	.0	28	25,593.6
Commercial	18	276,513.2	29	219,011.9	0	.0	47	495,525.1
Industrial	0	.0	3	1,167.9	0	.0	3	1,167.9
Agricultural	9	306.7	2	154.4	0	.0	11	461.1
Miscellaneous/Undefined	0	.0	1	.8	0	.0	1	.8
Total	**729**	**325,750.3**	**2,255**	**514,602.2**	**0**	**.0**	**2,984**	**840,352.5**

Town of St. Lucie Village

Estimated Vulnerability to Flooding

Structure Use	More Vulnerable		Less Vulnerable		Unknown Vulnerability		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	98	8,218.1	86	12,883.5	0	.0	184	21,101.6
Multi-Family Residential	21	1,427.6	4	454.0	0	.0	25	1,881.6
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0
Total	**119**	**9,645.7**	**90**	**13,337.5**	**0**	**.0**	**209**	**22,983.2**

Estimated Vulnerability to Surge

Indian River County

Unincorporated Indian River County

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,162	681,400.1	2,204	979,658.7	2,173	422,888.0	1,497	327,898.7	351	31,708.8	7,387	2,443,554.3
Multi-Family Residential	1,841	368,585.9	1,849	529,905.6	3,380	357,925.2	1,453	242,936.6	29	1,765.4	8,552	1,501,118.7
Mobile Home Residential	9	161.5	15	395.0	135	1,930.6	32	443.7	26	509.2	217	3,440.0
Institutional/Governmental	25	31,671.2	13	98,294.3	20	18,432.8	39	40,030.5	26	31,760.2	123	220,189.0
Commercial	14	5,351.8	21	25,306.2	121	38,233.8	232	81,454.8	214	41,478.0	602	191,824.5
Industrial	1	276.1	0	.0	2	922.6	51	13,756.4	91	28,164.4	145	43,119.5
Agricultural	5	1,146.3	3	301.7	1	40.3	5	403.6	4	170.5	18	2,062.5
Miscellaneous/Undefined	180	8,566.3	1	233.7	4	55.4	3	106.4	2	28.4	190	8,990.2
Total	**3,237**	**1,097,159.2**	**4,106**	**1,634,095.2**	**5,836**	**840,428.7**	**3,312**	**707,030.7**	**743**	**135,584.9**	**17,234**	**4,414,298.6**

* Table columns are not cumulative except "Total" columns

City of Fellsmere

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except "Total" columns

Town of Indian River Shores

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	33	26,802.7	102	39,293.6	131	51,015.0	25	8,084.7	5	1,260.6	296	126,456.5
Multi-Family Residential	48	23,680.8	0	.0	50	13,888.4	64	28,257.2	90	73,691.4	252	139,517.7
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**81**	**50,483.5**	**102**	**39,293.6**	**181**	**64,903.3**	**89**	**36,341.9**	**95**	**74,952.0**	**548**	**265,974.3**

* Table columns are not cumulative except “Total” columns

Town of Orchid

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	63	67,159.8	203	166,051.1	13	8,497.8	0	.0	0	.0	279	241,708.7
Multi-Family Residential	18	26,376.4	50	56,426.2	0	.0	27	1,160.4	3	1,052.0	98	85,015.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	1	1,466.3	0	.0	0	.0	0	.0	1	1,466.3
Commercial	0	.0	1	816.6	2	142.2	0	.0	0	.0	3	958.8
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	1	258.8	0	.0	0	.0	0	.0	1	258.8
Total	**81**	**93,536.2**	**256**	**225,019.1**	**15**	**8,640.0**	**27**	**1,160.4**	**3**	**1,052.0**	**382**	**329,407.5**

* Table columns are not cumulative except “Total” columns

City of Sebastian

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	38	4,719.4	5	688.7	31	3,274.5	146	14,661.2	551	56,957.8	771	80,301.6
Multi-Family Residential	70	6,535.4	0	.0	49	4,938.8	1	78.2	0	.0	120	11,552.5
Mobile Home Residential	0	.0	0	.0	1	6.7	0	.0	0	.0	1	6.7
Institutional/Governmental	5	999.4	4	75.4	0	.0	8	2,554.0	4	861.8	21	4,490.5
Commercial	13	3,432.5	6	1,596.6	16	3,965.5	46	9,516.1	32	9,074.5	113	27,585.2
Industrial	0	.0	1	9.3	0	.0	1	563.9	0	.0	2	573.2
Agricultural	0	.0	0	.0	0	.0	1	479.9	0	.0	1	479.9
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	5	1,209.8	5	1,209.8
Total	**126**	**15,686.7**	**16**	**2,369.9**	**97**	**12,185.6**	**203**	**27,853.3**	**592**	**68,103.9**	**1,034**	**126,199.4**

* Table columns are not cumulative except "Total" columns

City of Vero Beach

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	356	94,634.9	405	71,416.8	1,242	186,515.6	689	80,146.7	80	3,428.5	2,772	436,142.6
Multi-Family Residential	439	73,930.7	494	105,383.3	1,104	180,755.3	746	111,900.7	104	18,814.5	2,887	490,784.5
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	10	51,495.0	6	6,556.7	10	7,735.3	7	9,368.2	23	15,179.6	56	90,334.8
Commercial	69	25,018.2	41	25,979.1	248	126,996.3	122	40,799.8	171	28,940.3	651	247,733.7
Industrial	0	.0	0	.0	1	138.0	1	174.1	56	10,394.0	58	10,706.1
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	16	448.6	1	166.9	2	86.9	1	43.0	2	955.5	22	1,700.9
Total	**890**	**245,527.4**	**947**	**209,502.9**	**2,607**	**502,227.4**	**1,566**	**242,432.5**	**436**	**77,712.4**	**6,446**	**1,277,402.6**

* Table columns are not cumulative except "Total" columns

Martin County

Unincorporated Martin County

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2,802	716,668.2	931	171,331.6	2,247	441,735.1	2,703	343,618.4	4,896	541,823.7	13,579	2,215,177.0
Multi-Family Residential	5,311	694,050.6	356	53,572.6	1,722	276,676.4	913	42,484.8	1,116	63,726.2	9,418	1,130,510.6
Mobile Home Residential	372	6,974.2	1	63.7	98	637.6	197	3,180.7	529	9,410.4	1,197	20,266.5
Institutional/Governmental	48	62,588.6	8	7,066.8	14	37,404.4	20	32,924.9	68	57,393.2	158	197,378.0
Commercial	80	55,801.9	14	6,787.7	30	14,186.3	34	12,924.7	131	93,042.8	289	182,743.5
Industrial	0	.0	0	.0	3	2,006.0	3	631.0	40	21,243.2	46	23,880.2
Agricultural	71	10,253.5	6	574.2	8	850.0	1	54.7	14	1,673.0	100	13,405.4
Miscellaneous/Undefined	63	1,880.3	2	12.7	7	59.0	6	235.0	19	392.4	97	2,579.4
Total	**8,747**	**1,548,217.4**	**1,318**	**239,409.2**	**4,129**	**773,554.9**	**3,877**	**436,054.2**	**6,813**	**788,704.8**	**24,884**	**3,785,940.5**

* Table columns are not cumulative except "Total" columns

Town of Jupiter Island

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	167	243,046.0	51	43,106.4	71	68,610.1	102	94,855.0	106	71,130.4	497	520,747.9
Multi-Family Residential	3	15.2	0	.0	0	.0	0	.0	0	.0	3	15.2
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	2	869.5	0	.0	1	1,623.7	1	120.3	3	1,850.0	7	4,463.6
Commercial	1	9,908.4	0	.0	0	.0	1	60.5	0	.0	2	9,968.9
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**173**	**253,839.1**	**51**	**43,106.4**	**72**	**70,233.8**	**104**	**95,035.7**	**109**	**72,980.4**	**509**	**535,195.5**

* Table columns are not cumulative except "Total" columns

Town of Ocean Breeze Park

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	2	.0	0	.0	0	.0	0	.0	0	.0	2	.0
Total	**2**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**2**	**.0**

* Table columns are not cumulative except “Total” columns

Town of Sewall's Point

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	285	122,051.6	151	35,124.2	133	32,264.3	93	22,460.0	88	18,225.5	750	230,125.6
Multi-Family Residential	13	1,979.1	4	645.4	1	.6	0	.0	0	.0	18	2,625.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	19.8	1	441.6	1	192.0	0	.0	0	.0	3	653.4
Commercial	3	1,212.1	1	3,557.7	1	1,119.1	0	.0	0	.0	5	5,888.9
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**302**	**125,262.6**	**157**	**39,769.0**	**136**	**33,575.9**	**93**	**22,460.0**	**88**	**18,225.5**	**776**	**239,293.0**

* Table columns are not cumulative except “Total” columns

City of Stuart

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	185	36,108.1	24	3,695.1	37	4,910.7	58	4,333.5	1,198	70,174.8	1,502	119,222.0
Multi-Family Residential	1,010	99,732.6	5	435.5	142	23,856.4	1,357	59,795.7	812	52,930.5	3,326	236,750.6
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	14	108,960.4	1	58.6	1	64.0	5	7,561.1	58	94,325.4	79	210,969.6
Commercial	41	20,339.0	1	14.9	14	8,497.8	30	14,482.6	303	139,453.0	389	182,787.4
Industrial	1	1,538.1	0	.0	0	.0	0	.0	13	9,459.2	14	10,997.3
Agricultural	0	.0	0	.0	0	.0	0	.0	1	141.2	1	141.2
Miscellaneous/Undefined	3	59.0	1	4.8	1	.2	3	250.3	10	185.1	18	499.5
Total	**1,254**	**266,737.3**	**32**	**4,208.9**	**195**	**37,329.1**	**1,453**	**86,423.2**	**2,395**	**366,669.1**	**5,329**	**761,367.6**

* Table columns are not cumulative except “Total” columns

Palm Beach County

Unincorporated Palm Beach County

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	942	138,064.8	699	67,550.9	1,426	261,746.3	1,625	225,054.7	572	46,618.4	5,264	739,035.1
Multi-Family Residential	27,372	7,564,819.5	12,733	3,457,133.2	7,878	1,977,772.4	4,102	1,257,946.4	5,228	1,239,699.7	57,313	15,497,371.2
Mobile Home Residential	1	263.5	1	295.9	4	1,019.8	0	.0	0	.0	6	1,579.2
Institutional/Governmental	47	11,858.6	12	5,508.1	30	7,129.7	9	10,939.4	1	27.8	99	35,463.6
Commercial	972	17,258.3	198	5,523.3	383	10,823.7	528	17,409.5	761	13,162.8	2,842	64,177.6
Industrial	142	15,377.8	13	1,127.4	26	1,725.1	3	2,951.5	3	148.5	187	21,330.3
Agricultural	30	725.6	2	14.3	4	51.7	0	.0	0	.0	36	791.6
Miscellaneous/Undefined	366	300,477.6	371	245,943.1	109	73,311.7	14	11,002.5	1	634.2	861	631,369.1
Total	**29,872**	**8,048,845.7**	**14,029**	**3,783,096.2**	**9,860**	**2,333,580.4**	**6,281**	**1,525,304.1**	**6,566**	**1,300,291.3**	**66,608**	**16,991,117.8**

* Table columns are not cumulative except "Total" columns

City of Atlantis

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except "Total" columns

City of Belle Glade

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2	124.9	0	.0	3	215.8	26	2,421.3	20	948.1	51	3,710.2
Multi-Family Residential	1	6.2	0	.0	0	.0	0	.0	1	134.4	2	140.6
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	2	59.8	2	59.8
Commercial	1	179.2	0	.0	1	111.7	6	242.1	10	467.8	18	1,000.8
Industrial	1	38.0	0	.0	0	.0	1	35.3	5	783.4	7	856.6
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**5**	**348.3**	**0**	**.0**	**4**	**327.5**	**33**	**2,698.6**	**38**	**2,393.6**	**80**	**5,767.9**

* Table columns are not cumulative except "Total" columns

City of Boca Raton

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	458	48,286.0	718	67,547.8	555	61,504.5	1,017	144,891.5	4,410	494,788.1	7,158	817,018.0
Multi-Family Residential	36	25,721.5	157	50,779.0	86	23,878.1	81	31,892.7	329	83,269.0	689	215,540.3
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	26	7,179.5	1	853.2	10	4,861.0	5	2,895.7	153	279,460.7	195	295,250.1
Commercial	37	145,198.0	64	28,930.6	30	16,281.2	97	43,436.1	204	164,332.5	432	398,178.5
Industrial	5	575.1	1	270.5	0	.0	1	15.1	43	11,082.1	50	11,942.8
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	245	267,333.0	399	350,584.2	169	145,448.5	148	121,355.3	190	122,524.2	1,151	1,007,245.2
Total	**807**	**494,293.2**	**1,340**	**498,965.4**	**850**	**251,973.3**	**1,349**	**344,486.4**	**5,329**	**1,155,456.5**	**9,675**	**2,745,174.9**

* Table columns are not cumulative except "Total" columns

City of Boca Raton

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	179	19,489.7	98	7,928.5	54	4,143.7	27	1,562.4	54	1,740.8	412	34,865.2
Multi-Family Residential	85	18,644.3	136	37,830.4	100	51,029.4	108	15,426.1	163	12,161.7	592	135,091.9
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	14	3,140.0	5	799.9	6	5,324.9	8	1,052.3	4	1,271.9	37	11,589.0
Commercial	17	18,277.6	24	6,363.6	73	28,649.2	37	5,467.4	53	5,171.3	204	63,929.1
Industrial	3	187.9	1	33.0	2	3,455.2	0	.0	10	1,124.5	16	4,800.6
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	6	3,073.0	8	1,411.0	27	810.0	0	.0	0	.0	41	5,294.0
Total	**304**	**62,812.5**	**272**	**54,366.4**	**262**	**93,412.4**	**180**	**23,508.1**	**284**	**21,470.2**	**1,302**	**255,569.7**

* Table columns are not cumulative except “Total” columns

Town of Briny Breezes

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	1	71.6	2	126.6	1	222.4	4	420.7
Commercial	0	.0	2	102.9	1	29.5	2	97.0	0	.0	5	229.4
Industrial	1	79.2	4	375.6	0	.0	1	34.9	0	.0	6	489.7
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**1**	**79.2**	**6**	**478.4**	**2**	**101.2**	**5**	**258.6**	**1**	**222.4**	**15**	**1,139.8**

* Table columns are not cumulative except “Total” columns

Town of Cloud Lake

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

City of Delray Beach

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	526	57,542.0	306	46,842.2	82	12,192.8	108	14,451.4	174	20,169.7	1,196	151,198.1
Multi-Family Residential	157	115,074.0	173	60,343.0	99	31,081.4	122	35,045.8	183	42,305.8	734	283,850.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	23	6,779.6	10	2,651.5	4	90.2	2	545.1	1	183.7	40	10,250.1
Commercial	54	32,218.4	84	55,169.5	49	34,072.6	73	22,952.3	92	14,984.5	352	159,397.4
Industrial	1	56.2	2	37.9	3	200.8	3	96.7	4	380.0	13	771.6
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	246	214,267.0	99	59,675.0	22	48,592.1	22	32,453.5	16	9,487.4	405	364,475.0
Total	**1,007**	**425,937.2**	**674**	**224,719.2**	**259**	**126,230.0**	**330**	**105,544.7**	**470**	**87,511.1**	**2,740**	**969,942.2**

* Table columns are not cumulative except “Total” columns

Town of Glen Ridge

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

Village of Golf

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

City of Greenacres

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

Town of Gulf Stream

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	82	9,275.8	30	4,236.1	45	5,949.7	27	3,692.8	13	1,542.0	197	24,696.4
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	11	2,701.4	0	.0	0	.0	0	.0	0	.0	11	2,701.4
Commercial	5	2,875.2	0	.0	1	23.3	0	.0	1	1,061.4	7	3,959.8
Industrial	9	561.1	0	.0	0	.0	0	.0	0	.0	9	561.1
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	74	51,493.1	22	24,745.7	11	11,973.2	17	11,967.5	17	24,406.2	141	124,585.7
Total	**181**	**66,906.5**	**52**	**28,981.8**	**57**	**17,946.2**	**44**	**15,660.3**	**31**	**27,009.6**	**365**	**156,504.4**

* Table columns are not cumulative except “Total” columns

Town of Haverhill

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

Town of Highland Beach

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	48	6,106.2	30	13,132.2	0	.0	2	351.5	0	.0	80	19,589.9
Multi-Family Residential	70	23,459.0	65	19,614.3	1	65.3	1	75.5	0	.0	137	43,214.2
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	9	5,748.8	3	737.5	0	.0	0	.0	0	.0	12	6,486.3
Commercial	15	5,893.3	3	426.1	0	.0	0	.0	0	.0	18	6,319.4
Industrial	0	.0	1	20.7	0	.0	0	.0	0	.0	1	20.7
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	92	82,853.4	39	40,170.0	10	15,999.3	4	6,933.6	1	432.8	146	146,389.1
Total	**234**	**124,060.7**	**141**	**74,100.8**	**11**	**16,064.6**	**7**	**7,360.6**	**1**	**432.8**	**394**	**222,019.6**

* Table columns are not cumulative except “Total” columns

Town of Hypoluxo

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	16	2,175.6	72	7,844.1	8	494.5	0	.0	1	2.5	97	10,516.7
Multi-Family Residential	3	803.0	34	6,178.0	346	63,962.0	14	1,915.0	0	.0	397	72,858.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	3	342.5	0	.0	1	445.0	0	.0	0	.0	4	787.5
Commercial	2	507.6	0	.0	3	756.9	1	50.9	1	4.5	7	1,319.9
Industrial	4	2,262.0	0	.0	3	151.8	0	.0	2	1,671.6	9	4,085.3
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**28**	**6,090.7**	**106**	**14,022.1**	**361**	**65,810.1**	**15**	**1,965.9**	**4**	**1,678.5**	**514**	**89,567.3**

* Table columns are not cumulative except “Total” columns

Town of Juno Beach

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	20	8,013.8	46	11,015.1	31	13,967.1	7	4,783.3	104	37,779.3
Multi-Family Residential	0	.0	0	.0	58	24,160.7	99	22,921.7	50	3,358.4	207	50,440.8
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	4	442.3	4	1,458.1	5	4,015.5	0	.0	0	.0	13	5,915.9
Commercial	2	821.2	15	72,007.5	20	12,441.5	13	7,592.6	6	667.1	56	93,529.9
Industrial	4	586.6	3	201.5	4	219.9	1	23.3	0	.0	12	1,031.4
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	4	4,079.9	8	5,399.0	5	1,413.1	1	439.4	1	443.2	19	11,774.6
Total	**14**	**5,930.0**	**50**	**87,080.0**	**138**	**53,265.9**	**145**	**44,944.0**	**64**	**9,251.9**	**411**	**200,471.8**

* Table columns are not cumulative except “Total” columns

Town of Jupiter

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	457	91,604.0	449	34,018.0	1,645	194,176.4	753	73,828.1	1,978	442,674.7	5,282	836,301.2
Multi-Family Residential	93	35,546.2	28	14,941.6	612	74,419.0	856	113,705.6	668	111,249.0	2,257	349,861.4
Mobile Home Residential	8	3,057.9	2	386.4	0	.0	0	.0	61	20,819.8	71	24,264.1
Institutional/Governmental	24	1,935.7	7	3,722.2	40	75,796.7	22	9,495.6	46	35,522.6	139	126,472.8
Commercial	62	46,544.8	76	39,345.0	235	51,645.5	86	55,378.7	59	65,828.2	518	258,742.2
Industrial	11	1,772.1	86	8,250.0	70	7,116.6	84	32,071.4	19	3,964.5	270	53,174.6
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	331	262,375.1	41	21,220.7	162	58,721.9	255	125,708.6	582	296,296.5	1,371	764,322.9
Total	**986**	**442,835.9**	**689**	**121,883.8**	**2,764**	**461,876.2**	**2,056**	**410,188.0**	**3,413**	**976,355.3**	**9,908**	**2,413,139.2**

* Table columns are not cumulative except “Total” columns

Town of Jupiter Inlet Colony

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2	398.7	11	1,405.2	36	3,283.3	67	7,931.1	29	3,187.0	145	16,205.3
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	1	45.2	0	.0	0	.0	1	45.2
Commercial	0	.0	1	202.3	0	.0	0	.0	0	.0	1	202.3
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	6	3,027.4	10	5,303.6	16	6,705.2	18	9,058.0	24	13,799.4	74	37,893.7
Total	**8**	**3,426.1**	**22**	**6,911.1**	**53**	**10,033.7**	**85**	**16,989.1**	**53**	**16,986.4**	**221**	**54,346.4**

* Table columns are not cumulative except “Total” columns

Town of Lake Clarke Shores

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

Town of Lake Park

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	3	216.7	5	364.7	3	138.0	4	268.3	692	27,059.8	707	28,047.5
Multi-Family Residential	1	240.5	7	10,013.0	2	1,094.1	6	535.5	28	2,895.0	44	14,778.1
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	3	108.4	1	193.8	1	69.1	0	.0	14	5,139.5	19	5,510.8
Commercial	3	360.7	6	679.3	9	7,948.2	8	1,792.2	109	21,723.1	135	32,503.5
Industrial	0	.0	0	.0	1	23.0	0	.0	0	.0	1	23.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**10**	**926.3**	**19**	**11,250.7**	**16**	**9,272.3**	**18**	**2,596.0**	**843**	**56,817.4**	**906**	**80,862.8**

* Table columns are not cumulative except “Total” columns

Town of Lake Worth

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	65	6,005.7	184	22,821.1	236	22,208.8	440	35,573.0	305	21,832.7	1,230	108,441.3
Multi-Family Residential	0	.0	4	971.8	7	473.9	15	2,133.4	35	4,295.5	61	7,874.5
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	4	405.7	1	11.5	4	895.0	1	14.0	0	.0	10	1,326.1
Commercial	4	1,423.2	21	3,807.0	28	2,211.8	44	3,956.8	50	4,190.5	147	15,589.2
Industrial	3	221.3	0	.0	0	.0	0	.0	0	.0	3	221.3
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	9	5,739.1	10	6,598.4	1	431.5	1	594.3	0	.0	21	13,363.2
Total	**85**	**13,795.0**	**220**	**34,209.7**	**276**	**26,221.0**	**501**	**42,271.3**	**390**	**30,318.7**	**1,472**	**146,815.6**

* Table columns are not cumulative except "Total" columns

Town of Lantana

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	176	16,342.1	89	8,873.3	90	4,859.5	69	3,410.6	8	215.7	432	33,701.2
Multi-Family Residential	2	16,066.8	3	914.5	7	1,305.7	1	67.8	1	42.5	14	18,397.2
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	7	3,590.7	0	.0	1	97.5	1	144.1	5	1,903.6	14	5,736.0
Commercial	12	4,603.5	14	876.6	45	4,911.7	42	3,153.3	26	4,797.0	139	18,342.1
Industrial	10	747.3	0	.0	1	77.7	1	49.2	13	1,141.7	25	2,015.9
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	76	49,374.8	13	8,103.8	0	.0	0	.0	0	.0	89	57,478.6
Total	**283**	**90,725.2**	**119**	**18,768.2**	**144**	**11,252.1**	**114**	**6,825.0**	**53**	**8,100.5**	**713**	**135,670.9**

* Table columns are not cumulative except "Total" columns

Town of Loxahatchee Groves

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

Town of Manalapan

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	27	2,444.0	22	3,008.7	1	106.5	0	.0	0	.0	50	5,559.2
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	475.9	1	279.4	0	.0	0	.0	0	.0	2	755.2
Commercial	6	67,973.5	0	.0	0	.0	0	.0	0	.0	6	67,973.5
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	95	177,814.0	53	37,868.1	1	2,324.3	0	.0	0	.0	149	218,006.4
Total	**129**	**248,707.3**	**76**	**41,156.1**	**2**	**2,430.8**	**0**	**.0**	**0**	**.0**	**207**	**292,294.2**

* Table columns are not cumulative except “Total” columns

Town of Managonia Park

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

Village of North Palm Beach

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	61	5,483.6	266	28,309.5	213	22,223.8	228	20,851.1	1,221	98,936.1	1,989	175,804.2
Multi-Family Residential	47	21,064.7	13	4,862.4	2	466.1	46	9,835.2	120	11,795.5	228	48,023.9
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	14	5,134.1	1	68.7	14	4,823.9	7	239.1	35	13,429.7	71	23,695.6
Commercial	11	1,755.4	9	2,032.3	17	12,361.7	18	9,854.6	150	54,097.0	205	80,101.0
Industrial	2	214.5	0	.0	0	.0	0	.0	7	3,334.9	9	3,549.4
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	59	43,881.7	56	39,527.7	55	32,104.2	62	22,824.9	12	4,974.6	244	143,313.1
Total	**194**	**77,534.0**	**345**	**74,800.7**	**301**	**71,979.7**	**361**	**63,604.9**	**1,545**	**186,567.8**	**2,746**	**474,487.1**

* Table columns are not cumulative except “Total” columns

Town of Ocean Ridge

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	132	13,691.4	76	8,437.7	85	10,358.7	11	914.9	4	345.2	308	33,747.9
Multi-Family Residential	5	4,255.0	60	24,268.5	40	19,971.5	0	.0	0	.0	105	48,495.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	5	1,776.1	3	76.8	0	.0	0	.0	0	.0	8	1,852.8
Commercial	1	213.9	1	98.8	40	3,429.6	3	204.8	1	87.3	46	4,034.4
Industrial	1	105.2	1	15.9	0	.0	0	.0	0	.0	2	121.1
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	101	57,162.7	55	42,890.1	36	21,815.1	2	376.2	1	358.5	195	122,602.6
Total	**245**	**77,204.2**	**196**	**75,787.9**	**201**	**55,574.8**	**16**	**1,495.9**	**6**	**791.0**	**664**	**210,853.9**

* Table columns are not cumulative except “Total” columns

City of Pahokee

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	174	10,666.9	46	2,922.7	252	14,826.3	73	3,288.6	30	1,530.4	575	33,235.0
Multi-Family Residential	7	944.7	0	.0	9	1,115.2	3	459.2	1	100.0	20	2,619.1
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	38	32,625.5	2	158.9	25	6,846.6	1	47.1	1	216.5	67	39,894.6
Commercial	43	5,541.7	8	611.1	38	3,650.3	9	504.9	46	3,370.8	144	13,678.9
Industrial	25	833.1	4	256.0	4	198.9	1	1.2	2	7.9	36	1,297.1
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**287**	**50,611.8**	**60**	**3,948.8**	**328**	**26,637.4**	**87**	**4,301.0**	**80**	**5,225.5**	**842**	**90,724.5**

* Table columns are not cumulative except “Total” columns

Town of Palm Beach

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	252	13,029.7	556	41,532.7	151	11,879.7	79	4,080.5	83	5,369.0	1,121	75,891.6
Multi-Family Residential	30	41,593.9	21	19,402.8	18	33,069.1	0	.0	7	18,960.7	76	113,026.5
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	30	27,732.6	11	8,884.9	4	6,734.3	4	839.0	0	.0	49	44,190.8
Commercial	155	237,551.2	99	105,908.9	37	44,357.0	8	8,830.3	11	3,323.4	310	399,970.9
Industrial	11	784.8	11	492.1	2	69.3	1	27.9	1	58.8	26	1,432.8
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	472	548,468.0	667	593,497.3	159	161,088.0	124	114,443.8	115	101,699.5	1,537	1,519,196.6
Total	**950**	**869,160.2**	**1,365**	**769,718.8**	**371**	**257,197.3**	**216**	**128,221.5**	**217**	**129,411.5**	**3,119**	**2,153,709.2**

* Table columns are not cumulative except “Total” columns

City of Palm Beach Gardens

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	3	115.2	0	.0	0	.0	228	59,299.5	793	169,092.6	1,024	228,507.3
Multi-Family Residential	2	334.8	10	3,815.0	55	25,600.0	318	79,032.2	398	36,784.9	783	145,566.8
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	24.3	0	.0	1	107.1	8	17,402.1	22	46,736.6	32	64,270.1
Commercial	13	37,002.6	19	24,585.2	1	357.3	32	39,881.0	31	155,422.4	96	257,248.5
Industrial	1	371.8	0	.0	0	.0	8	1,226.9	1	35.6	10	1,634.2
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	54	36,390.6	36	16,465.1	4	1,446.0	71	51,401.3	300	208,940.2	465	314,643.0
Total	**74**	**74,239.3**	**65**	**44,865.2**	**61**	**27,510.4**	**665**	**248,242.9**	**1,545**	**617,012.1**	**2,410**	**1,011,870.0**

* Table columns are not cumulative except “Total” columns

Town of Palm Beach Shores

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	6	231.3	122	8,703.2	53	3,762.7	85	6,160.7	35	2,563.1	301	21,420.9
Multi-Family Residential	2	84.8	9	6,604.9	7	1,117.9	19	9,135.1	0	.0	37	16,942.6
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	17.6	3	663.3	2	324.0	1	247.0	0	.0	7	1,251.8
Commercial	3	1,273.0	7	830.7	9	1,071.0	31	4,957.2	0	.0	50	8,131.9
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	4	4,830.7	4	1,361.7	1	397.6	4	1,090.5	2	636.4	15	8,316.9
Total	**16**	**6,437.2**	**145**	**18,163.8**	**72**	**6,673.2**	**140**	**21,590.5**	**37**	**3,199.4**	**410**	**56,064.1**

* Table columns are not cumulative except “Total” columns

Village of Palm Springs

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

City of Riviera Beach

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	61	3,655.0	518	43,020.3	103	5,079.1	47	1,419.9	292	6,211.2	1,021	59,385.5
Multi-Family Residential	1	3.2	11	5,879.1	24	1,368.4	1	235.4	14	326.4	51	7,812.5
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	6	1,874.2	9	958.9	1	19.3	2	249.0	10	1,052.6	28	4,154.0
Commercial	14	18,253.3	41	29,151.1	55	18,646.8	41	8,821.1	211	25,522.4	362	100,394.7
Industrial	27	10,243.5	2	692.3	2	1.4	0	.0	20	3,810.7	51	14,747.9
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	10	5,221.4	50	22,329.1	3	853.6	0	.0	0	.0	63	28,404.1
Total	**119**	**39,250.6**	**631**	**102,030.8**	**188**	**25,968.6**	**91**	**10,725.4**	**547**	**36,923.3**	**1,576**	**214,898.8**

* Table columns are not cumulative except “Total” columns

Village of Royal Palm Beach

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

City of South Bay

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	52	3,091.8	27	1,479.3	19	998.5	98	5,569.6
Multi-Family Residential	1	9.4	0	.0	6	110.4	7	102.0	0	.0	14	221.7
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	14	28,987.0	0	.0	2	180.2	0	.0	1	139.2	17	29,306.4
Commercial	4	5,118.7	12	179.1	39	769.6	6	651.4	2	62.0	63	6,780.7
Industrial	8	928.3	3	88.3	1	34.9	3	556.7	1	89.2	16	1,697.3
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**27**	**35,043.4**	**15**	**267.4**	**100**	**4,186.8**	**43**	**2,789.3**	**23**	**1,288.9**	**208**	**43,575.8**

* Table columns are not cumulative except “Total” columns

Town of South Palm Beach

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	2	184.3	0	.0	1	182.5	0	.0	0	.0	3	366.8
Multi-Family Residential	1	340.0	12	3,679.0	2	594.0	0	.0	0	.0	15	4,613.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	1	262.0	1	46.1	0	.0	0	.0	0	.0	2	308.1
Commercial	1	760.4	0	.0	0	.0	0	.0	0	.0	1	760.4
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	1	1,371.5	0	.0	1	1,371.5
Total	**5**	**1,546.6**	**13**	**3,725.1**	**3**	**776.5**	**1**	**1,371.5**	**0**	**.0**	**22**	**7,419.8**

* Table columns are not cumulative except “Total” columns

Village of Tequesta

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	122	18,009.8	300	30,954.5	540	70,225.9	438	46,427.4	94	9,427.6	1,494	175,045.2
Multi-Family Residential	0	.0	0	.0	5	827.0	12	2,163.6	26	1,462.0	43	4,452.6
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	2	56.0	4	2,578.9	13	5,816.3	4	797.0	1	8.9	24	9,257.1
Commercial	4	827.0	4	1,142.0	10	5,473.6	25	5,189.1	9	1,641.9	52	14,273.6
Industrial	5	302.8	0	.0	0	.0	4	491.6	1	165.0	10	959.3
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	54	39,851.1	12	6,760.3	2	641.2	1	275.5	1	198.8	70	47,726.8
Total	**187**	**59,046.6**	**320**	**41,435.6**	**570**	**82,984.0**	**484**	**55,344.0**	**132**	**12,904.2**	**1,693**	**251,714.5**

* Table columns are not cumulative except “Total” columns

Village of Wellington

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**

* Table columns are not cumulative except “Total” columns

City of West Palm Beach

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	99	8,670.3	306	33,095.0	270	24,168.8	355	28,809.0	1,404	99,930.3	2,434	194,673.3
Multi-Family Residential	7	4,183.5	9	11,678.9	4	1,378.3	8	4,432.1	43	7,081.0	71	28,753.8
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	42	77,965.7	17	31,507.9	0	.0	6	2,285.0	36	172,251.8	101	284,010.4
Commercial	36	146,090.9	30	71,085.8	22	10,613.9	86	91,090.6	370	103,544.0	544	422,425.1
Industrial	6	356.6	0	.0	1	42.8	1	1,539.9	10	1,579.1	18	3,518.5
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	59	35,799.3	78	32,805.9	34	11,816.1	62	21,379.8	86	32,665.9	319	134,467.1
Total	**249**	**273,066.4**	**440**	**180,173.4**	**331**	**48,019.9**	**518**	**149,536.3**	**1,949**	**417,052.1**	**3,487**	**1,067,848.1**

* Table columns are not cumulative except “Total” columns

St. Lucie County

Unincorporated St. Lucie County

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,144	151,027.9	732	82,574.4	666	77,967.2	230	23,644.4	449	54,917.6	3,221	390,131.5
Multi-Family Residential	3,060	631,850.7	1,998	420,792.2	1,016	229,516.2	0	.0	42	3,091.0	6,116	1,285,250.1
Mobile Home Residential	458	13,423.2	1,594	38,140.9	4	1,012.8	66	983.9	134	3,268.0	2,256	56,828.8
Institutional/Governmental	73	178,354.7	9	1,506.0	1	108.4	9	23,104.1	12	3,061.4	104	206,134.6
Commercial	30	56,474.8	12	7,157.8	10	9,107.6	4	310.5	14	5,641.6	70	78,692.3
Industrial	5	960.1	2	314.6	1	70.8	4	351.4	6	2,257.4	18	3,954.3
Agricultural	12	928.1	1	37.1	1	42.8	0	.0	5	1,041.3	19	2,049.3
Miscellaneous/Undefined	3	128.0	3	89.3	2	44.3	0	.0	0	.0	8	261.6
Total	**4,785**	**1,033,147.5**	**4,351**	**550,612.3**	**1,701**	**317,870.1**	**313**	**48,394.3**	**662**	**73,278.3**	**11,812**	**2,023,302.5**

* Table columns are not cumulative except "Total" columns

City of Fort Pierce

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	475	55,073.3	326	28,143.8	204	25,026.8	10	496.7	101	9,371.8	1,116	118,112.4
Multi-Family Residential	1832	268,941.7	1025	110,408.5	50	30,134.4	25	1,420.2	7	4,160.1	2,939	415,064.9
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	53	33,763.2	4	974.3	9	6,616.4	6	25,954.4	50	19,718.4	122	87,026.7
Commercial	50	16,170.3	11	1,634.5	15	3,868.7	11	1,992.1	41	6,886.3	128	30,551.9
Industrial	10	4,530.3	0	.0	5	1,350.5	22	7,287.1	1	389.1	38	13,557.0
Agricultural	0	.0	0	.0	0	.0	0	.0	1	2.0	1	2.0
Miscellaneous/Undefined	3	184.1	1	.3	1	148.4	0	.0	0	.0	5	332.8
Total	**2,423**	**378,662.9**	**1,367**	**141,161.4**	**284**	**67,145.2**	**74**	**37,150.5**	**201**	**40,527.7**	**4,349**	**664,647.7**

* Table columns are not cumulative except "Total" columns

City of Port St. Lucie

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	185	34,590.5	140	16,681.1	417	37,581.3	514	74,422.8	1,940	168,088.2	3,196	331,363.9
Multi-Family Residential	302	22,572.2	18	2,916.4	78	11,421.2	24	2,286.0	0	.0	422	39,195.8
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Institutional/Governmental	4	2,177.6	0	.0	14	9,605.9	4	346.4	4	691.3	26	12,821.2
Commercial	36	487,544.4	6	7,375.0	4	2,272.6	5	693.0	10	9,821.2	61	507,706.2
Industrial	0	.0	0	.0	0	.0	0	.0	3	622.5	3	622.5
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	1	10.7	1	10.7
Total	**527**	**546,884.7**	**164**	**26,972.5**	**513**	**60,881.0**	**547**		**1,958**	**179,233.9**	**3,709**	**813,972.1**

* Table columns are not cumulative except "Total" columns

Town of St. Lucie Village

Estimated Vulnerability to Surge

Structure Use	Category 1		Category 2		Category 3		Category 4		Category 5		Total	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	163	19,851.4	48	3,078.5	34	1,979.4	5	442.8	30	1,163.2	280	26,515.3
Multi-Family Residential	7	570.5	8	290.0	7	943.4	4	106.8	0	.0	26	1,910.7
Mobile Home Residential	0	.0	0	.0	0	.0	0	.0	2	17.4	2	17.4
Institutional/Governmental	0	.0	0	.0	0	.0	1	14.8	2	54.4	3	69.2
Commercial	0	.0	0	.0	0	.0	0	.0	7	570.7	7	570.7
Industrial	0	.0	0	.0	0	.0	4	733.2	4	2,702.6	8	3,435.8
Agricultural	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Total	**170**	**20,421.9**	**56**	**3,368.5**	**41**	**2,922.8**	**14**	**1,297.6**	**45**	**4,508.3**	**326**	**32,519.1**

* Table columns are not cumulative except "Total" columns

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

Indian River County

Unincorporated Indian River County

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

Structure Use	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,657	943,567.0	1,046	248,300.0	209	11,881.1
Multi-Family Residential	3,131	527,745.4	821	130,380.1	19	1,235.8
Mobile Home Residential	72	1,218.8	13	200.1	56	1,043.1
Institutional/Governmental	34	139,506.9	18	11,179.8	8	22,356.7
Commercial	32	26,885.0	56	20,425.4	40	17,334.2
Industrial	0	.0	4	1,045.2	33	6,204.4
Agricultural	5	1,146.3	0	.0	3	249.7
Miscellaneous/Undefined	195	9,134.0	12	334.6	11	287.2
Total	**5,126**	**1,649,203.4**	**1,970**	**411,865.1**	**379**	**60,592.2**

City of Fellsmere

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

Structure Use	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0		0	.0
Mobile Home Residential	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0
Total	**0**	**0**	**0**	**0**	**0**	**0**

Town of Indian River Shores

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	56	30,731.1	17	5,131.0	0	.0
Multi-Family Residential	48	23,680.8	49	19,788.2	6	502.8
Mobile Home Residential	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0
Total	**104**	**54,411.9**	**66**	**24,919.2**	**6**	**502.8**

Town of Orchid

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	101	115,428.7	0	.0	0	.0
Multi-Family Residential	68	82,802.6	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0
Institutional/Governmental	1	1,466.3	0	.0	0	.0
Commercial	2	924.7	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0
Total	**172**	**200,622.3**	**0**	**.0**	**0**	**.0**

City of Sebastian

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	35	4,286.0	12	1,405.9	791	71,361.1
Multi-Family Residential	70	6,535.4	1	78.2	64	3,465.6
Mobile Home Residential	0	.0	0	.0	0	.0
Institutional/Governmental	6	1,000.1	0	.0	1	393.8
Commercial	14	4,374.9	15	1,431.1	9	5,956.2
Industrial	0	.0	1	563.9	1	85.8
Agricultural	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	2	298.8
Total	**125**	**16,196.4**	**29**	**3,479.1**	**868**	**81,561.3**

City of Vero Beach

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	543	141,122.3	430	66,070.6	110	6,895.0
Multi-Family Residential	656	113,385.4	400	77,783.9	48	4,069.9
Mobile Home Residential	0	.0	0	.0	0	.0
Institutional/Governmental	13	58,019.9	0	.0	17	27,984.6
Commercial	99	56,265.7	50	14,186.1	50	13,663.7
Industrial	0	.0	0	.0	4	310.5
Agricultural	0	.0	0	.0	0	.0
Miscellaneous/Undefined	16	448.6	1	43.0	1	52.8
Total	**1,327**	**369,241.8**	**881**	**158,083.5**	**230**	**52,976.5**

Martin County

Unincorporated Martin County

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

Structure Use	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	3,739	902,204.9	4,098	507,427.7	3,138	407,884.9
Multi-Family Residential	5,913	766,314.8	1,500	71,263.2	586	34,745.5
Mobile Home Residential	638	13,560.6	620	11,933.6	74	1,369.4
Institutional/Governmental	73	115,630.7	41	57,971.1	25	43,266.7
Commercial	103	72,484.4	86	33,995.8	50	24,505.1
Industrial	2	1,715.5	10	5,992.3	35	13,416.4
Agricultural	90	11,775.0	6	948.0	0	.0
Miscellaneous/Undefined	72	1,960.9	14	325.9	0	.0
Total	**10,630**	**1,885,646.7**	**6,375**	**689,857.7**	**3,908**	**525,188.0**

Town of Jupiter Island

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

Structure Use	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	187	259,389.6	83	87,618.2	4	3,014.4
Multi-Family Residential	3	15.2	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0
Institutional/Governmental	2	869.5	0	.0	0	.0
Commercial	1	9,908.4	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0
Total	**193**	**270,182.7**	**83**	**87,618.2**	**4**	**3,014.4**

Town of Ocean Breeze Park

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

Structure Use	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	0	.0	0	.0	0	.0
Multi-Family Residential	0	.0	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0
Institutional/Governmental	0	.0	0	.0	0	.0
Commercial	0	.0	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0
Miscellaneous/Undefined	2	.0	0	.0	0	.0
Total	**2**	**.0**	**0**	**.0**	**0**	**.0**

Town of Sewall's Point

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

Structure Use	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	294	135,466.7	83	18,357.1	30	8,109.4
Multi-Family Residential	15	1,363.9	0	.0	0	.0
Mobile Home Residential	0	.0	0	.0	0	.0
Institutional/Governmental	1	19.8	0	.0	0	.0
Commercial	3	1,212.1	0	.0	0	.0
Industrial	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0
Total	**313**	**138,062.4**	**83**	**18,357.1**	**30**	**8,109.4**

City of Stuart

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	228	41,158.2	295	19,347.2	618	32,127.0
Multi-Family Residential	1,018	102,976.6	1,966	99,006.5	140	8,484.5
Mobile Home Residential			0	.0	0	.0
Institutional/Governmental	23	117,228.3	32	43,365.4	44	38,804.6
Commercial	49	29,732.6	141	54,180.2	86	20,422.5
Industrial	1	1,538.1	3	3,490.9	14	3,285.5
Agricultural	1	141.2	0	.0	0	.0
Miscellaneous/Undefined	6	114.0	9	294.7	4	42.7
Total	**1,326**	**292,889.0**	**2,446**	**219,684.8**	**906**	**103,166.7**

St. Lucie County

Unincorporated St. Lucie County

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	1,197	169,024.8	460	52,960.7	837	91,985.4
Multi-Family Residential	4,516	1,085,508.1	92	158,166.5	263	298,118.8
Mobile Home Residential	2,258	56,894.5	203	4,326.2	134	1,164.0
Institutional/Governmental	78	179,685.5	3	1,150.7	13	10,453.0
Commercial	34	62,642.3	12	5,080.3	32	15,043.3
Industrial	6	1,156.9	6	1,709.8	25	32,068.4
Agricultural	14	1,512.2	4	2,870.3	12	1,027.8
Miscellaneous/Undefined	4	145.2	0	.0	2	39.7
Total	**8,107**	**1,556,569.5**	**780**	**226,264.5**	**1,318**	**449,900.4**

City of Fort Pierce

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	249	40,139.4	84	8,335.5	225	12,988.1
Multi-Family Residential	2,500	348,022.6	119	4,366.8	198	5,312.9
Mobile Home Residential	0	.0	0	.0	0	.0
Institutional/Governmental	54	102,062.5	16	39,168.5	46	147,896.6
Commercial	34	12,156.1	27	4,544.8	42	8,464.5
Industrial	8	4,307.3	22	7,287.1	1	34.3
Agricultural	1	2.0	1	2.0	6	427.8
Miscellaneous/Undefined	2	157.0	0	.0	0	.0
Total	**2,848**	**506,846.9**	**269**	**63,704.7**	**518**	**175,124.2**

City of Port St. Lucie

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	274	44,593.5	1,453	153,656.0	2,589	182,352.3
Multi-Family Residential	306	22,618.1	28	2,331.9	302	8,672.9
Mobile Home Residential	0	.0	0	.0	0	.0
Institutional/Governmental	8	8,298.6	7	802.1	8	7,650.4
Commercial	37	488,050.9	11	6,617.8	18	4,325.7
Industrial	0	.0	0	.0	0	.0
Agricultural	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	1	10.7	1	.8
Total	**625**	**563,561.1**	**1,500**	**163,418.5**	**2,918**	**203,002.1**

Town of St. Lucie Village

Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise

	Sea Level Rise (2ft) Scenario		Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario		Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario	
Structure Use	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands	# of Units	Value ($) in thousands
Single Family Residential	127	16,803.8	21	1,186.0	10	279.6
Multi-Family Residential	25	1,890.3	9	411.3	7	435.5
Mobile Home Residential	0	.0	5	178.2	12	284.5
Institutional/Governmental	0	.0	3	69.2	0	.0
Commercial	0	.0	5	415.0	1	175.7
Industrial	0	.0	8	3,435.8	2	344.4
Agricultural	0	.0	0	.0	0	.0
Miscellaneous/Undefined	0	.0	0	.0	0	.0
Total	**152**	**18,694.1**	**51**	**5,695.5**	**32**	**1,519.7**

10. METHODOLOGY SUMMARY

Each section of the Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment includes a condensed description of the general methodology used to develop that individual section for the purpose of providing context to the audience for interpreting the tables and maps. Below is a comprehensive methodology that expands upon the general methodologies in each individual section and includes more of the specific details of conducting this analysis.

Parcel-level Overlay Analysis

As decided at the September 28, 2011 Vulnerability Subcommittee meeting, all regional vulnerability analyses performed for the Treasure Coast Post-Disaster Redevelopment Planning project should utilize the latest county Property Appraiser parcel shapefiles. The subcommittee agreed that this information will provide the best available data on structure location, type, age, and value to provide estimations of vulnerability that can be used to identify and prioritize actions for post-disaster recovery. The table below shows the date that each county delivered its most recent Property Appraiser parcel data to the Project Team:

County	Date Data was Delivered to Project Team
Indian River	10/18/2011
Martin	11/16/2011
Palm Beach	11/18/2011
St. Lucie	10/31/2011

The Vulnerability Analysis was conducted under the assumption that the information in each county's Property Appraiser parcel data is correct and current. The Project Team did not have the ability to confirm the accuracy of the data that it received from the counties so any errors in the data will be reflected in this Vulnerability Analysis.

For the ease of displaying a large volume of information in a comprehensible manner, the parcels in each county's Property Appraiser parcel data were characterized into a manageable number of uses by the Florida Department of Revenue (DOR) Use Code field. The DOR Codes were organized into the following categories:

Category	DOR Codes
Single Family Residential	0100, 0101, 0104, 0110 (Martin), 0130, 0140, 0150
Multi-Family Residential	0110 (Palm Beach), 0120, 0300, 0400, 0401, 0403 (Martin), 0404,

	0405, 0411, 0420, 0440, 0500 (Indian River), 0510, 0700, 0800, 0803, 0804, 0812, 0880
Mobile Home Residential	0200, 0205, 0500 (Martin, St. Lucie, and Palm Beach)
Institutional/Governmental	7000 (Indian River), 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9100
Commercial	0403 (Indian River), 0416, 0417, 0419, 1100, 1200, 1204, 1300, 1400, 1500, 1600, 1700, 1704, 1800, 1900, 1904, 2000, 2100, 2200,2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3200, 3300, 3400, 3500, 3700, 3800, 3900, 4960
Industrial	4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4804, 4900
Agricultural	5000, 5100, 5200, 5300, 5700, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900
Miscellaneous/Undefined	0000, 0001, 0004, 0010, 0030, 0050, 0182, 0412, 0414, 0482, 0900, 0909, 1000, 4000, 7000 (Martin), 9000, 9101, 9109, 9149, 9200, 9300, 9400, 9409, 9449, 9499, 9500, 9509, 9549, 9599, 9600, 9700, 9709, 9749, 9800, 9900, 9901, 9902, 9911, 9999

In some instances, two or more counties used the same DOR Codes to represent different structures. In those cases, the structure was categorized appropriately and the code is listed in each category in which it was included with the county name next to it in parentheses. Any parcel in the Property Appraiser parcel database that did not have any indication that there was a structure built on it (i.e., the Structure Value is equal to 0) was removed from the analysis.

The use of some of the multi-family residential, institutional/governmental, commercial, industrial, and agricultural structures in the Palm Beach County Property Appraiser data were identified by a Structure Code as opposed to a DOR Code. These Structure Codes were categorized according to the table below:

Category	**Structure Code**
Multi-Family Residential	060, 210, 220, 230, 240
Institutional/Governmental	170, 530, 540, 690, 691, 900, 901, 910, 912, 920, 930, 950, 960, 970
Commercial	301, 340, 350, 351, 360, 361, 362, 363, 364, 365, 370, 371, 374, 380, 390, 410, 420, 430, 440, 450, 460, 470, 490, 500, 520, 550, 551, 560, 570, 580, 582, 583, 587, 588, 589, 590, 591, 593, 600, 610, 614, 620, 630, 640, 641, 650, 651, 652, 660, 662, 665, 670, 680, 695, 700, 710,

	712, 720, 721, 730, 750
Industrial	800, 810, 820, 830, 840, 841, 850, 870, 880, 890
Agricultural	860, 861, 872, 880

Section 9 of the analysis includes tables that are separated by jurisdiction. In each county's Property Appraiser parcel data or shapefile, jurisdiction is indicated differently. The following fields were used to categorize each parcel by the municipality or unincorporated area of the county in which it is located:

County	Field
Indian River	Millage Code (MILLG_CODE)
Martin	Taxing District (TaxDistCode)
Palm Beach	City Code (CTY)
St. Lucie	City Code (City)

The Indian River Property Appraiser parcel data included an intermediate junction or link table entitled "GIS_LINK_TABLE" that enabled the project team to link the county condominium records with the parcel shapefile. The other counties did not include a link table necessitating that the Project Team identify parcels with more than one tax record and assign a shortened identification number in order to query each condominium record associated with a parcel. This allowed the individual condominium records to be included in the structure unit counts and value calculations.

Wind Structure Vulnerability

The Wind Structure Vulnerability Analysis is a parcel-level analysis using structure age as a proxy for susceptibility to damage from hurricane force winds. Each parcel in each county's Property Appraiser parcel data was labeled least, moderately, or most vulnerable to wind based on the parcel's "effective year built" according to the following categorization:

Wind Vulnerability Categories	
Wind Vulnerability Category	**Structure Effective Year Built Range**
Most	Before 1994
Moderately	1994 to 2001
Least	2002 to present

Structures built after the Florida Building Code was adopted are less likely to sustain major damages from hurricane force winds. Structures built before these code enhancements have been shown to have a greater probability of sustaining wind damage with age. Based on a study by the University of Florida,

the year ranges shown in the **Wind Vulnerability Categories** table are proposed for estimating wind vulnerability[5].

The "effective year built" is a field in the parcel database that reflects major renovations done to the structure or, if never renovated, it is the year built. In situations where a parcel's "effective year built" field is either 0 or unknown, the actual year built is used. In situations where a parcel's actual and "effective year built" fields are both either 0 or unknown, the parcel will be included in an "Unknown" category under the analysis results.

As in each of the other sections of the Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment, the statistical outputs of Wind Structure Vulnerability Analysis are estimates and should be used only to make general assumptions about the structures by jurisdiction and their vulnerability as a whole; this analysis should not be used to draw conclusions about specific units. This analysis is based on the assumption that the likelihood that a structure will sustain damage from wind can be predicted based on the year the structure was built, assuming that the structure was built in accordance with (and not exceeding) the existing building codes at that time. When considering a community as a whole, this assumption is likely to be accurate, however when looking at individual structures, other factors specific to each property affect whether a structure will sustain damage. For example, while it was not mandated, homes in the Treasure Coast that were constructed before 2002 may have been built to higher standards or owners could have done mitigation improvements to make their structures more resistant to hurricane force winds. There is no data that can be realistically incorporated into this study that reflects deviations from typical building practices and so this analysis assumes that structures were constructed to meet standards set by the building codes of the year in which they were built. When estimating the likelihood of an individual structure to sustain damage to wind, a more in-depth analysis that goes beyond a consideration of the "effective year built" should be conducted.

Flood and Storm Surge Structure Vulnerability

The Flood and Storm Surge Vulnerability analysis is a parcel-level analysis using structure age and location in the Special Flood Hazard Area (SFHA) and storm surge zones as proxy for susceptibility to damage from flooding. The two central steps to conducting this analysis are:

1. Overlay FEMA SFHA shapefile with each county's parcel shapefile and categorize by structure "effective year built".
2. Identify parcels in storm surge zones but *not* in FEMA SFHA and identify all structures (age not relevant since no flood mitigation codes apply outside FEMA identified zones)

The SFHA is defined as the area that will be inundated by a flood event having a 1% chance of being equaled or exceeded in any given year. The 1% annual chance flood is also referred to as the base flood

[5]The study is described at http://earthobservatory.nasa.gov/Newsroom/view.php?id=27166. Dr. Kurt Gurley, Associate Professor Department of Civil and Coastal Engineering at the University of Florida, was contacted during the of development of this methodology to confirm that the 2005 study is the most recent research that has been done by UF concerning vulnerability to wind damage and the Florida Building Code.

or 100-year flood. On National Flood Insurance Program (NFIP) maps, the land area covered by the floodwaters of the base flood is the SFHA. The SFHA is the area where the NFIP's floodplain management regulations must be enforced and the area where the mandatory purchase of flood insurance applies. The SFHA includes Flood Zones A, AO, AH, A1-30, AE, A99, AR, AR/A1-30, AR/AE, AR/AO, AR/AH, AR/A, VO, V1-30, VE, and V.

For the purposes of this analysis, structures built in FEMA SFHA after the identification of the community's initial Flood Insurance Rate Maps (FIRM) were assumed to comply with NFIP floodplain regulations. The parcels in the SFHA with structures built before the mandate to meet the regulations are assumed to be more likely to sustain damage from flooding than those structures built to the federal standards. The **Firm Dates by Jurisdiction** table shows the date that Treasure Coast Counties and municipalities identified their initial FIRMs. Structures with "effective year built" after the date their community's FIRM was identified will be categorized as less vulnerable and those with "effective year built" before will be categorized as more vulnerable.

FIRM Dates by Jurisdiction

County	Jurisdiction	Date Initial FIRM Identified*	Effective Year Built Range - Structures LESS vulnerable to Flooding	Effective Year Built Range - Structures MORE vulnerable to Flooding
Indian River County	Unincorporated Indian River County	7/3/1978	1979 to present	1978 and earlier
Indian River County	Fellsmere	5/4/1989	1990 to present	1989 and earlier
Indian River County	Indian River Shores	9/5/1979	1980 to present	1979 and earlier
Indian River County	Orchid	4/15/1980	1981 to present	1980 and earlier
Indian River County	Sebastian	4/15/1980	1981 to present	1980 and earlier
Indian River County	Vero Beach	9/30/1977	1978 to present	1977 and earlier
Martin County	Unincorporated Martin County	6/15/1981	1982 to present	1981 and earlier
Martin County	Jupiter Island	2/2/1977	1978 to present	1977 and earlier
Martin County	Ocean Breeze Park	6/15/1981	1982 to present	1981 and earlier
Martin County	Sewall's Point	8/15/1978	1979 to present	1978 and earlier
Martin County	Stuart	8/15/1978	1979 to present	1978 and earlier
Palm Beach County	Unincorproated Palm Beach County	6/19/1970	1971 to present	1970 and earlier
Palm Beach County	City of Atlantis	11/1/1978	1979 to present	1978 and earlier
Palm Beach County	City of Belle Glade	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	Boca Raton	6/1/1978	1979 to present	1978 and earlier
Palm Beach County	City of Boynton Beach	1/3/1979	1980 to present	1979 and earlier
Palm Beach County	Town of Briny Breezes	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	Town of Cloud Lake	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	City of Delray Beach	4/9/1971	1972 to present	1971 and earlier
Palm Beach County	Town of Glen Ridge	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	Village of Golf	Not located in Special Flood Hazard Area	N/A	N/A
Palm Beach County	City of Greenacres	Not located in Special Flood Hazard Area	N/A	N/A
Palm Beach County	Town of Gulf Stream	11/24/1972	1973 to present	1972 and earlier
Palm Beach County	Town of Haverhill	Not located in Special Flood Hazard Area	N/A	N/A

Palm Beach County	Town of Highland Beach	10/16/1970	1971 to present	1970 and earlier
Palm Beach County	Town of Hypoluxo	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	Juno Beach	12/1/1978	1979 to present	1978 and earlier
Palm Beach County	Town of Jupiter Inlet Colony	9/22/1972	1973 to present	1972 and earlier
Palm Beach County	Town of Jupiter	9/22/1972	1973 to present	1972 and earlier
Palm Beach County	Town of Lake Clarke Shores	11/1/1978	1979 to present	1978 and earlier
Palm Beach County	Town of Lake Park	9/15/1978	1979 to present	1978 and earlier
Palm Beach County	Lake Worth	12/1/1978	1979 to present	1978 and earlier
Palm Beach County	Town of Lantana	3/12/1971	1972 to present	1971 and earlier
Palm Beach County	Town of Loxahatchee Groves	6/19/1970	1971 to present	1970 and earlier
Palm Beach County	Town of Manalapan	8/18/1970	1971 to present	1970 and earlier
Palm Beach County	Town of Mangoia Park	3/1/1978	1979 to present	1978 and earlier
Palm Beach County	Village of Noth Palm Beach	8/15/1978	1979 to present	1978 and earlier
Palm Beach County	Town of Ocean Ridge	4/9/1971	1972 to present	1971 and earlier
Palm Beach County	City of Pahokee	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	City of Palm Beach Gardens	1/3/1979	1980 to present	1979 and earlier
Palm Beach County	Town of Palm Beach Shores	6/25/1971	1972 to present	1971 and earlier
Palm Beach County	Village of Palm Beach	5/15/1978	1979 to present	1978 and earlier
Palm Beach County	Village of Palm Springs	3/1/1978	1979 to present	1978 and earlier
Palm Beach County	City of Riveria Beach	9/27/1972	1973 to present	1972 and earlier
Palm Beach County	Village of Royal Palm Beach	Not located in Special Flood Hazard Area	N/A	N/A
Palm Beach County	City of South Bay	Not located in Special Flood Hazard Area	N/A	N/A
Palm Beach County	Town of South Palm Beach	5/15/1978	1879 to present	1878 and earlier
Palm Beach County	Village of Tequesta	6/11/1971	1972 to present	1971 and earlier
Palm Beach County	Village of Wellington	6/2/1992	1993 to present	1992 and earlier
Palm Beach County	City of West Palm Beach	3/1/1979	1980 to present	1979 and earlier
St. Lucie County	Unincorporated St. Lucie County	8/17/1981	1982 to present	1981 and earlier
St. Lucie County	Fort Pierce	12/1/1977	1978 to present	1977 and earlier
St. Lucie County	Port St. Lucie	3/15/1982	1983 to present	1982 and earlier
St. Lucie County	St. Lucie Village	4/1/1980	1981 to present	1980 and earlier

*Source: http://www.fema.gov/cis/FL.html

The storm surge zones that were utilized were generated using the Sea, Lake and Overland Surges from Hurricanes (SLOSH) model as part of the 2010 Florida Statewide Regional Evacuation Study Program. The files were downloaded from the Florida Department of Emergency Management's website at http://www.floridadisaster.org/gis/data/index.htm.

Socio-economic Vulnerability

The Socio-economic Vulnerability Analysis is a block group-level analysis using socio-economic variables to determine the vulnerability of the population. The geographic unit utilized in this analysis is the 2010 Census block group as represented geographically by the 2010 TIGER/Line Shapefiles. The variables were calculated using the 2010 Census 100% Data Summary File 1 and Summary File 2 as well as the 2006-2010 American Community Survey 5-Year Estimates.

The social vulnerability scores for each census block group were calculated by following the procedures detailed in *Handbook for Conducting a GIS-Based Hazards Assessment at the County Level* by Susan L. Cutter, Jerry T. Mitchell, and Michael S. Scott of the University of South Carolina which can be downloaded at http://training.fema.gov/EMIWeb/edu/docs/hrm/Session%206%20-%20Handbook%20GIS-Based%20Hazards%20Assessment.pdf. The following variables were determined by Cutter, Mitchell, and Scott to represent the minimum threshold of data that are necessary to produce the population vulnerability estimate. These variables were identified through a scholarly review that is referenced in the handbook mentioned above.

- Number of people less than 18 years of age – This variable is useful as an indicator of the location of dependent populations. Particularly the youngest members of this population group will need assistance during a hazard event and are more prone to respiratory distress from certain inhaled toxins. This population may also have less ability to recover quickly after a disaster.
- Number of people over the age of 65 years of age – This variable is useful as an indicator of the location of dependant populations. Particularly the oldest members of this population group will need assistance during a hazard event and are more prone to respiratory distress from certain inhaled toxins. This population may also have less ability to recover quickly after a disaster.
- Number of females – This variable has been shown in the social science literature to be correlated with a lack of resources and influence, limiting the range of adjustments available to them during an emergency. Certain toxins are also threats to women's reproductive health. This population may also have less ability to recover quickly after a disaster.
- Number of non-whites – Often correlated with a lack of resources, race has also been shown by some research to exist alongside less desired land uses that include industry and transportation networks. This population group may be more vulnerable to certain technological hazards such as toxic releases or chemical spills. This population may also have less ability to recover quickly after a disaster.
- Number of housing units – Determining the intersection of hazard zones and areas occupied by humans drives the hazards assessment. The number of housing units serves as an indicator of where the greatest number of people reside, an important consideration when combined with known areas of hazard occurrence.
- Total population – Like housing units, the total population variable is an important consideration when combined with known areas of hazard occurrence. While this data could also be used to determine population density, raw population numbers are used since there is the potential to mask important information. Two census block groups may have the same population density, or the same percentage of elderly, but one may have a vastly greater number of people, an important consideration from an evacuation standpoint.
- Number of mobile homes – This variable is an indicator of housing stock that is of a lower structural quality than standard housing. Hazards with high wind speeds are particularly troublesome for this type of housing construction.

- Mean house value – This variable is used as a surrogate measure of income. When the methodology was being developed, income data was not available by the U.S. Census at the block group level. Mean house value can, however, indicate the economic status of individuals. Lower house values may indicate a more vulnerable population due to a lack of resources for mitigation and recovery or housing that is of a lower structural quality.

The *Handbook for Conducting a GIS-Based Hazards Assessment at the County Level* was written for use with 1990 and 2000 Census data. Because this analysis incorporates the 2010 Census data, some deviations needed to be made from the procedures described in the *Handbook* to account for differences in the decennial questionnaires. Unlike the 2000 Census, the 2010 Census did not include a Summary File 3 and Summary File 4 which in 1990 and 2000 included the number of mobile homes and mean house value. Now this data is available through the Census Bureau's American Community Survey (ACS) 5-year estimates. The 2006-2010 ACS 5-year estimates became available in December 2011 and are compatible with the geographic boundaries of the 2010 TIGER/Line Shapefiles. The number of mobile homes and mean house value for each block group were derived from this dataset.

The social vulnerability scores are shown visually on the maps in the **Socio-economic Vulnerability Map Attachment** using categories of standard deviation. The 0 standard deviation category represents the mean social vulnerability scores within the county and, as represented on the map legend, the higher the standard deviation the more socially vulnerable the block group. As the social vulnerability scores become higher (representing more vulnerability from the set of variables), the standard deviation from the mean score is also larger. As the scores become lower (representing less vulnerability), the standard deviation also becomes farther from the mean but is negative.

The **Socio-economic Vulnerability Map Attachment** also includes a series of maps for each county depicting the Population Density, Population 65 and Older, and Minority Population by census block. These maps were created using a 2010 Census geodatabase downloaded from the Florida Geographic Data Library that contained census block and demographic information.

Sea Level Rise Vulnerability

The Sea Level Rise Vulnerability Analysis is a parcel-level analysis identifying structures within the Sea Level Rise Inundation Zone created under the 2 foot Sea Level Rise Scenario. The first of the three central steps to conducting this analysis is:

1. Develop the Sea Level Rise Inundation Zone under the 2 foot Sea Level Rise[6] Scenario.

The Sea Level Rise Inundation Zone was developed consistent with the methodology used by the Southeast Florida Climate Change Compact and the mapping process used by the NOAA Coastal Services

[6] The 2 foot Sea Level Rise Scenario was selected by the Treasure Coast Regional Vulnerability Subcommittee at the September 28, 2011 meeting based on the Southeast Florida Regional Climate Change Compact (2011) projected range of sea level rise by the year 2060.

Center. Generally, this process can be described as a modified bathtub approach that attempts to account for local/regional tidal variability. To create the inundation zone, the most recent 10 foot coastal Digital Elevation Model (DEM) was used in addition to NOAA's VDatum Tool to create a tidal surface. The DEM was derived from Light Detection and Ranging Data (LIDAR). The 2 foot rise in sea level was mapped on top of Mean Higher High Water (MHHW). The resulting inundation zone did not take into account future erosion and will not include engineering grade hydrologic analysis that would account for culverts and ditches. The next steps included:

2. Overlay the newly created Sea Level Rise Inundation Zone with the county parcel shapefiles and identify any intersecting parcels.
3. Overlay the Sea Level Rise Inundation Zone with the county road shapefiles and identify any intersecting roads.

The parcel shapefiles utilized in this analysis were the same as described in the **Parcel-Level Overlay Analysis** Section above. The road shapefile is the Florida Department of Transportation Major Roads in Florida (Roadway Characterization Inventory Derived) from February 2011 downloaded from the Florida Geographic Data Library.

The Sea Level Rise Vulnerability Analysis was only conducted for Indian River, Martin, and St. Lucie Counties. While this analysis was being conducted, a Sea Level Rise Analysis for Palm Beach County was being funded by another source. Palm Beach County was excluded from this analysis to prevent a duplication of efforts.

Storm Surge Vulnerability as Increased by Sea Level Rise

The Storm Surge Vulnerability as Increased by Sea Level Rise Analysis is a parcel-level analysis estimating potential future damage from storm flooding using structure location in Increased Category 3 and Category 5 Storm Surge Zones under the 2 foot Sea Level Rise Scenario. The three central steps to conducting this analysis are:

1. Develop Increased Category 3 and Category 5 Storm Surge Zones under the 2 foot Sea Level Rise Scenario.
2. Overlay the Increased Storm Surge Zones with the county parcel shapefiles and identify any intersecting parcels.
3. Overlay the Increased Storm Surge Zones with the county road shapefiles and identify any intersecting roads.

The Increased Category 3 and Category 5 Storm Surge Zones under the 2 foot Sea Level Rise Scenario were generated using the Statewide Regional Evacuation Study Surge Model Tool Version 2.9i6, created by Marshall Flynn with the Tampa Bay Regional Planning Council and used previously to produce the Storm Surge Zone Atlases for the State of Florida. Two feet was added to the existing SLOSH values and reran against the DEM per Mr. Flynn's advice. The Statewide Regional Evacuation Study Surge Model Tool Version 2.9i6 requires three inputs: the DEM, the SLOSHMaximum of MEOWs (MOM) files adjusted to show 2 foot Sea Level Rise, and a water boundary polygon showing areas where water currently

exists. The output is new Increased Category 3 and Category 5 Storm Surge Zones under the 2 foot Sea Level Rise Scenario.

In the **Estimated Vulnerability to Sea Level Rise and Storm Surge as Increased by Sea Level Rise** tables included in **Section 5** and **Section 9** the number of units and value of units in the "Increased Category 3 Storm Surge under Sea Level Rise (2ft) Scenario" and "Increased Category 5 Storm Surge under Sea Level Rise (2ft) Scenario" columns represent only the units that would be affected by the increase in storm surge under the 2 foot Sea Level Rise Scenario. The number and value of units affected by the current storm surge zones were subtracted out of these tables and are only represented on the **Estimated Vulnerability to Surge** tables found in **Section 3** and **Section 9**.

Critical Facility Vulnerability to Flood, Storm Surge, and Sea Level Rise

The Critical Facility Vulnerability to Flood, Storm Surge, and Sea Level Rise analysis is a point analysis to estimate vulnerability using facility location in the SFHA, storm surge zones, Sea Level Rise Inundation Zone, and Increased Category 3 and Category 5 Storm Surge Zones under the 2 foot Sea Level Rise Scenario. This analysis was conducted by overlaying county critical facility shapefiles with the SFHA, storm surge zones, Sea Level Rise Inundation Zone, and Increased Category 3 and Category 5 Storm Surge Zones under the 2 foot Sea Level Rise Scenario. Any critical facilities that fall within these zones were identified.

Each Treasure Coast county maintains an individual critical facility database which was used in this analysis. The databases differ in size and content among the counties. For ease of comparison and increased map legibility, the critical facilities in each database were organized into the following categories:

Categorization of Critical Facility Inventories	
Category	**Type of Facility**
Public Safety	Correctional facility, emergency operations center, fire department administrative, fire station, law enforcement, military facility
Healthcare	Ambulatory surgical center, assisted living facility, clinical laboratory, drug abuse treatment, end-stage renal disease, health department, hospice, hospitals, medical center, medical supply, nursing home, skilled nursing facility, state health department
Education	Administrative, adult education, private school, research institute, school, school board
Government	County administrative, courthouse, federal administrative, municipal administrative, state administrative
Infrastructure	Florida power and light, lift station, locks, potable water, power plant, repump, solid waste facility, utility, vessel shipping, wastewater treatment plant, water treatment, water storage
Community Resources	Art center, civic center, community center, fairgrounds, library, museum, parks and recreation, post office, recreation center, stadium
Recovery Operations	American Red Cross, disaster recovery center, distribution center, logistical staging area, mobile diversity center
Shelters	Pet friendly shelter, secondary shelter, shelter, special needs shelter
Group homes	Group home
Transportation	Airport, bridges, buses, heliport, intersections
Communication	Cable television, cellular, newspapers, radio towers, telephone, television
Banks	Bank
Businesses	Local business
Oil and Gas	Natural Gas, petroleum, propane

Due to the sensitive nature of information pertaining to the vulnerability of existing public and private infrastructure and facilities in the Treasure Coast, each county's detailed inventories are not disseminated publically. Also, the maps that show the location of the critical facilities are not being released to the general public in accordance to Chapter 119.071 Public Records 2009 Florida Statutes. The maps have been distributed to the county Emergency Management Departments for maintenance and future use. Interested parties can contact the county Emergency Management Departments for more information.

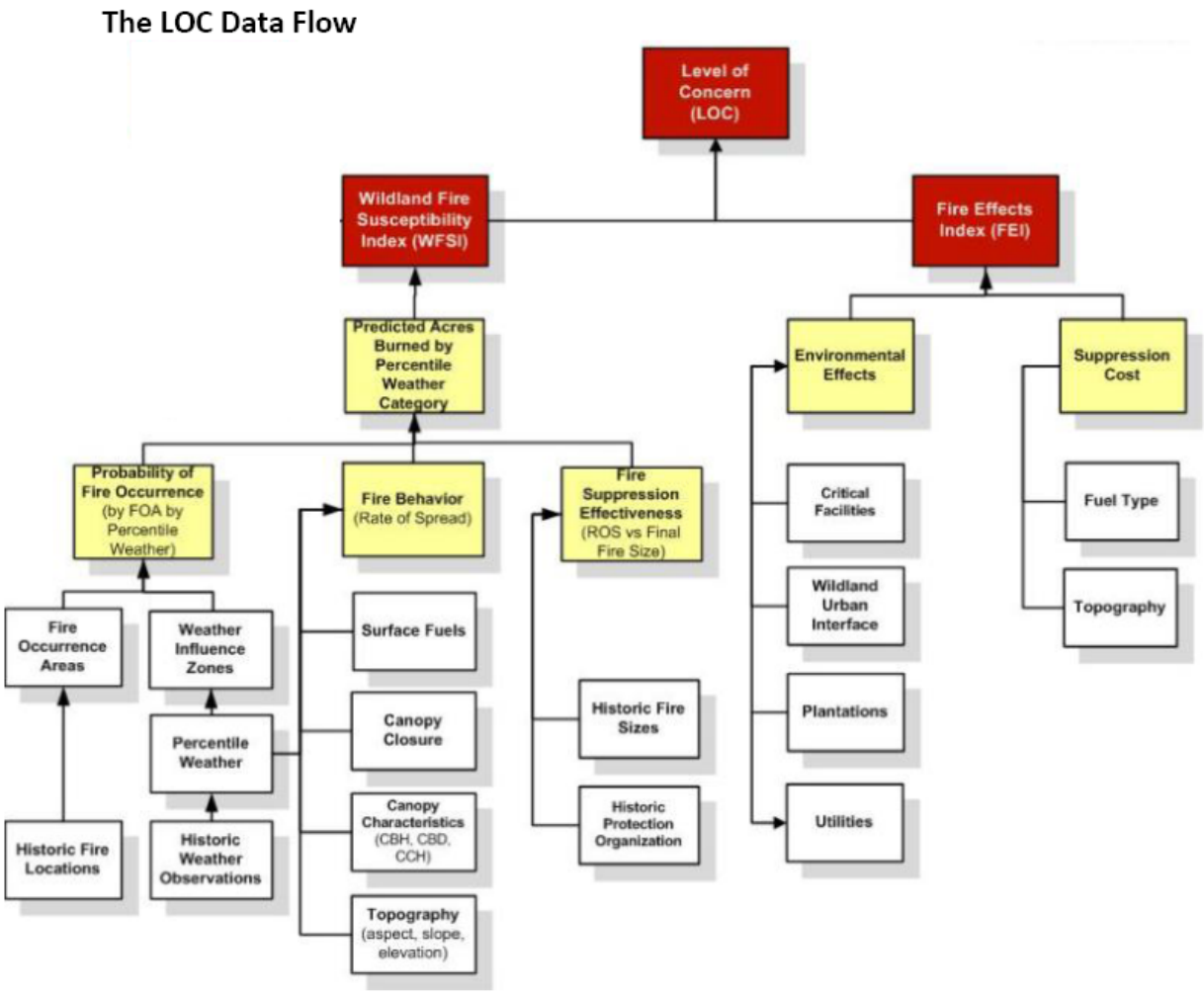
Because Palm Beach County was not included in the Sea Level Rise Vulnerability Analysis and Storm Surge Vulnerability Analysis as Increased by Sea Level Rise, it was also not included in the portion of this critical facility analysis involving the 2 foot Sea Level Rise scenario.

Wildfire Vulnerability

The Wildfire Vulnerability Analysis is a parcel-level analysis using the Florida Fire Risk Assessment System (FL FRAS) to determine the vulnerability of population and structures to wildfire. During the development of the Wildfire Hazard Mitigation Plan Annex to the State of Florida Hazard Mitigation Plan, FL FRAS was used to conduct a population and structure risk assessment which was used to generate maps and tabulations that will be included in this vulnerability analysis. The following is a

summary of the methodology used. A full methodology can be found in the Wildfire Hazard Mitigation Plan Annex[7].

FL FRAS provides up to date wildfire occurrence, hazard, and risk data. This data is available as a 30 meter resolution dataset in GIS format. Maps of surface fuels, Wildland Fire Susceptibility Index (WFSI), and Level of Concern (LOC) were generated for each county. Tabulations of acres within each LOC were also generated.



Source: Florida Fire Risk Assessment System, FLFRAS v9.3 User Guide, 2011, Sanborn.

[7] Florida Forest Service. (2011). *State of Florida Wildfire Hazard Mitigation Plan Annex*. Retrieved from http://www.wildfiremitigation.org/index.php?option=com_content&view=article&id=83&Itemid=185.

The LOC model integrates the WFSI output with the Fire Effects Index (FEI) to derive an overall Level of Concern. LOC is calculated by simply multiplying WFSI x FEI. The output values were assigned to nine LOC categories ranging from Level 1 to Level 9. The LOC output can be used to prioritize areas for further analysis. The LOC results can be used to complete a more detailed analysis at the local level and communicate wildland fire management concerns.

Methods for determining population and structures at risk

The assessment combined FL FRAS LOC outputs with parcel and assessor data obtained from the Florida Division of Revenue (DOR). Data was combined to generate summaries consistent with FEMA Hazard Mitigation Planning methodologies that defined:

- total population by wildfire risk zone in each county
- total number of structures by wildfire risk zone in each county
- total value ($) of structures by wildfire risk zone in each county

The primary sources of data for this assessment were as follows:

- FL FRAS, 2011 update
- Parcel Data – Florida Department of Revenue, 2010
- Assessor data – Florida Department of Revenue, 2010
- Census data – Census Bureau, Summary File 1(SF1) table, 2000 (2010 was not available at the time analysis was conducted)

The population was determined on a parcel basis by generalized land use code. The assessor data was utilized to assign a generalized land use code to each parcel based on the detailed DOR code for the parcel. The population was calculated as follows:

Population of Parcel = PPH x Res_Units

where:

PPH = persons per household in the census tract containing the parcel (derived from 2000 census figures)

Res_Units = the number of residential units in the parcel as identified in the assessor data (derived from 2010 assessor data)

Certain caveats and assumptions exist with respect to the estimation of population. These include:

- Parcels - Each county provides their parcel data to the Florida Department of Revenue - each county's Property Appraiser is different and has different work flows and different base data. The information provided by one county may be different than the information provided by another. We can only work with the data that was provided and if the Property Appraiser did

not populate the number of units for a property we cannot determine the population of that parcel.

- PPH Factors - The people per household factors were calculated based on 2000 Census Tract data. The 2000 Census data was all that was available at the time of this project. In addition, due to the volume of data for the entire state the census tracts were used instead of Block Groups. The differences between using the Block Group level data and Tract level data would probably not be that great, but this was not tested. The PPH values are calculated based on data from the 2000 Census so some tracts resulted in zero PPH values since they didn't have information in the 2000 Census to determine the PPH values. In this case these tracts were given the average PPH of the state.
- Population Control Totals - The population is being compared to Florida Bureau of Economic and Business Research (BEBR) quality control totals that those control totals are estimates based off of 2000 Census data and that not every county accepts the BEBR control totals.
- Population values are created as Integer so there are no partial people calculated - of course this means there is rounding in the population.
- The Commercial/Industrial generalized land use class includes the "Mixed Use" DOR Code which by definition includes "store and office or store and residential or residential combination". It is therefore reasonable for this class to have a population count.

A summary of the number of structures and the dollar value of structures for each parcel was also calculated using methods similar to the population summary described above. The assessed dollar value for each parcel and the number of structures on each parcel were available in the Assessor data[8]. Notably, the values presented in the Wildfire Vulnerability tables were calculated based on the number of structures located in the different LOC levels for each county, while the values in the Wind, Flood, Storm Surge, Sea Level Rise tables were calculated based on structure units. Also, the value of structures in the Wildfire Vulnerability tables is presented in millions while other values throughout the analysis are presented in thousands.

Data Source List

The source list below includes the datasets organized by county that were utilized in this analysis.

Indian River County

- Critical Facilities 2011
  - Source Agency: Indian River County GIS
- Property Appraiser Parcel Data 2011
  - Source Agency: Indian River County GIS
- Digital Elevation Model 2007
  - Source Agency: St. Johns River Water Management District

[8] As with population, the quality of the assessor data varies from county to county.

    - Metadata: http://floridaswater.com/gisdevelopment/docs/metadata/elev_indian_river_dem.htm
    - Download: http://www.sjrwmd.com/gisdevelopment/docs/themes.html

Martin County

- Critical Facilities 2011
    - Source Agency: Martin County Emergency Management
- Property Appraiser Parcel Data 2011
    - Source Agency: Martin County Property Appraiser's Office
- Digital Elevation Model 2007
    - Source Agency: South Florida Water Management District
    - Metadata: http://my.sfwmd.gov/gisapps/sfwmdxwebdc/dataview.asp?query=unq_id=2225

Palm Beach County

- Critical Facilities 2011
    - Source: Palm Beach County GIS
- Property Appraiser Parcel Data 2011
    - Source: Palm Beach Property Appraiser

St. Lucie County

- Critical Facilities 2011
    - Source Agency: St. Lucie County IT
- Property Appraiser Parcel Data 2011
    - Source Agency: St. Lucie County Property Appraiser
- Digital Elevation Model 2007
    - Source Agency: South Florida Water Management District
    - Metadata: http://my.sfwmd.gov/gisapps/sfwmdxwebdc/dataview.asp?query=unq_id=2225

Regional

- Storm Surge Zones 2011
    - Source Agency: Florida Division of Emergency Management
    - Download: http://www.floridadisaster.org/gis/data/index.htm
- 2010 U.S. Census 100% Data Summary File 1 and Summary File 2
    - Source Agency: U.S. Census Bureau
    - Download: http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t
- 2010 U.S. Census Blocks in Florida (File Geodatabase with Associated Redistricting Tables)
    - Source Agency: U.S. Census

    - Download: Florida Geographic Data Library http://www.fgdl.org/metadataexplorer/explorer.jsp
- 2010 TIGER/Line Shapefiles
    - Source Agency: U.S. Census Bureau
    - Download: http://www.census.gov/geo/www/tiger/tgrshp2010/tgrshp2010.html
- 2006-2010 American Community Survey 5-Year Estimates.
    - Source Agency: U.S. Census Bureau
    - Download: http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t
- Florida Department of Transportation Major Roads in Florida (Roadway Characterization Inventory Derived) February 2011
    - Source Agency: Florida Geographic Data Library
    - Download: http://www.fgdl.org/metadataexplorer/explorer.jsp
- Maximum of MEOWs (MOM) files
    - Source Agency: National Oceanic and Atmospheric Administration
- Flood Hazard Zones of the Digital Flood Insurance Rate Map in the State of Florida – July 2011
    - Source Agency: Federal Emergency Management Agency

11. REFERENCES CITED

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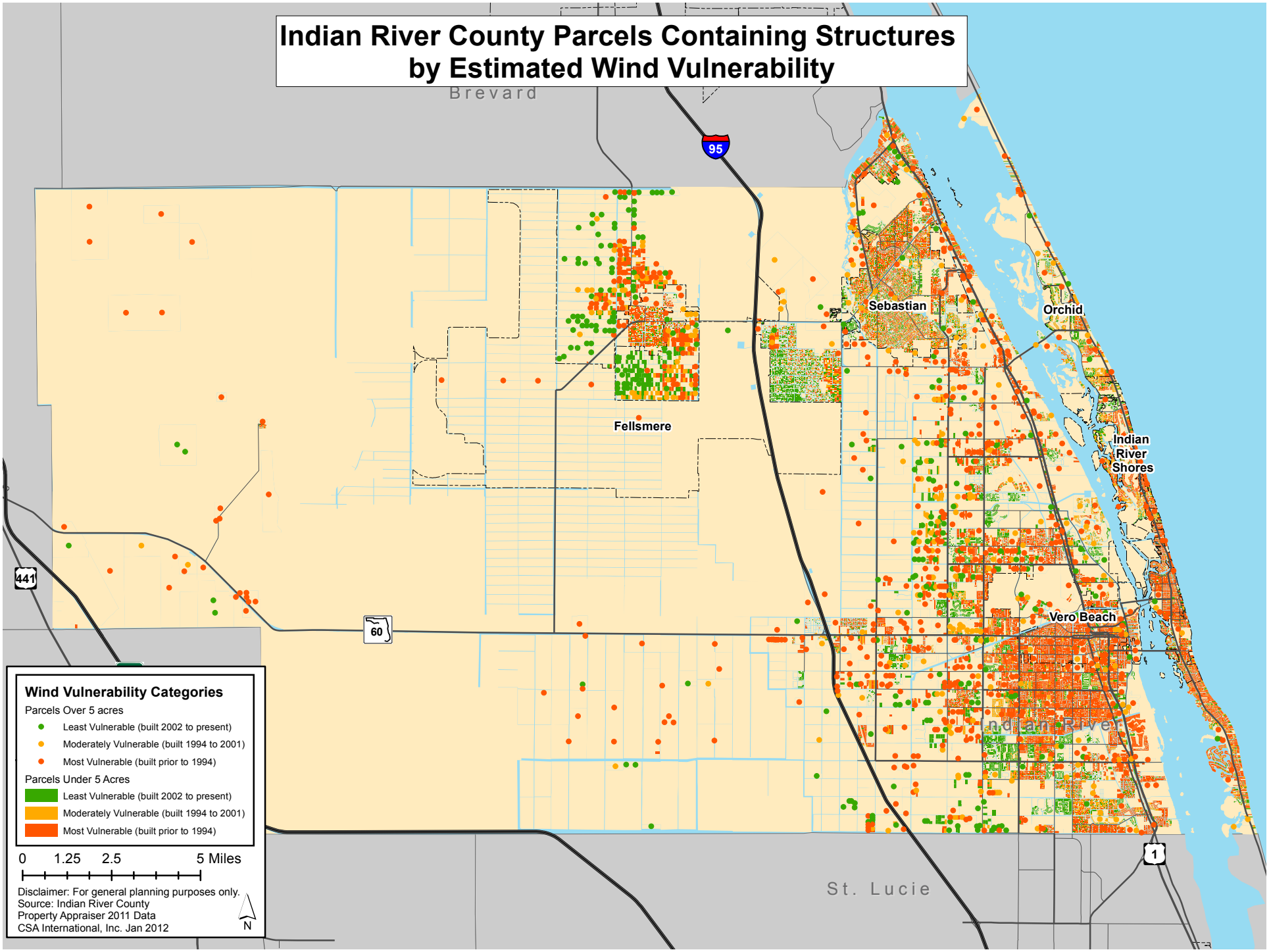
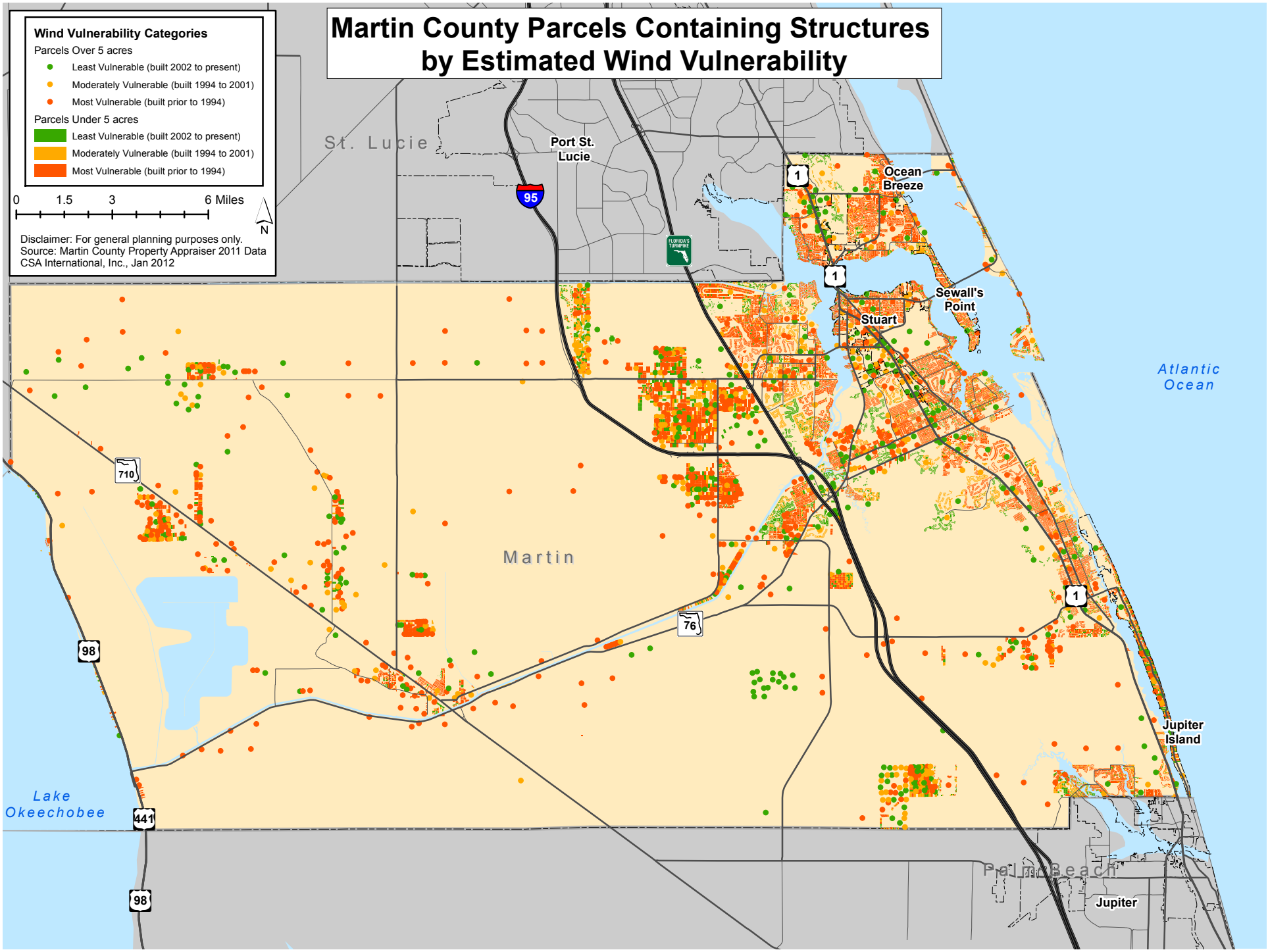
WIND VULNERABILITY MAPS

Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment

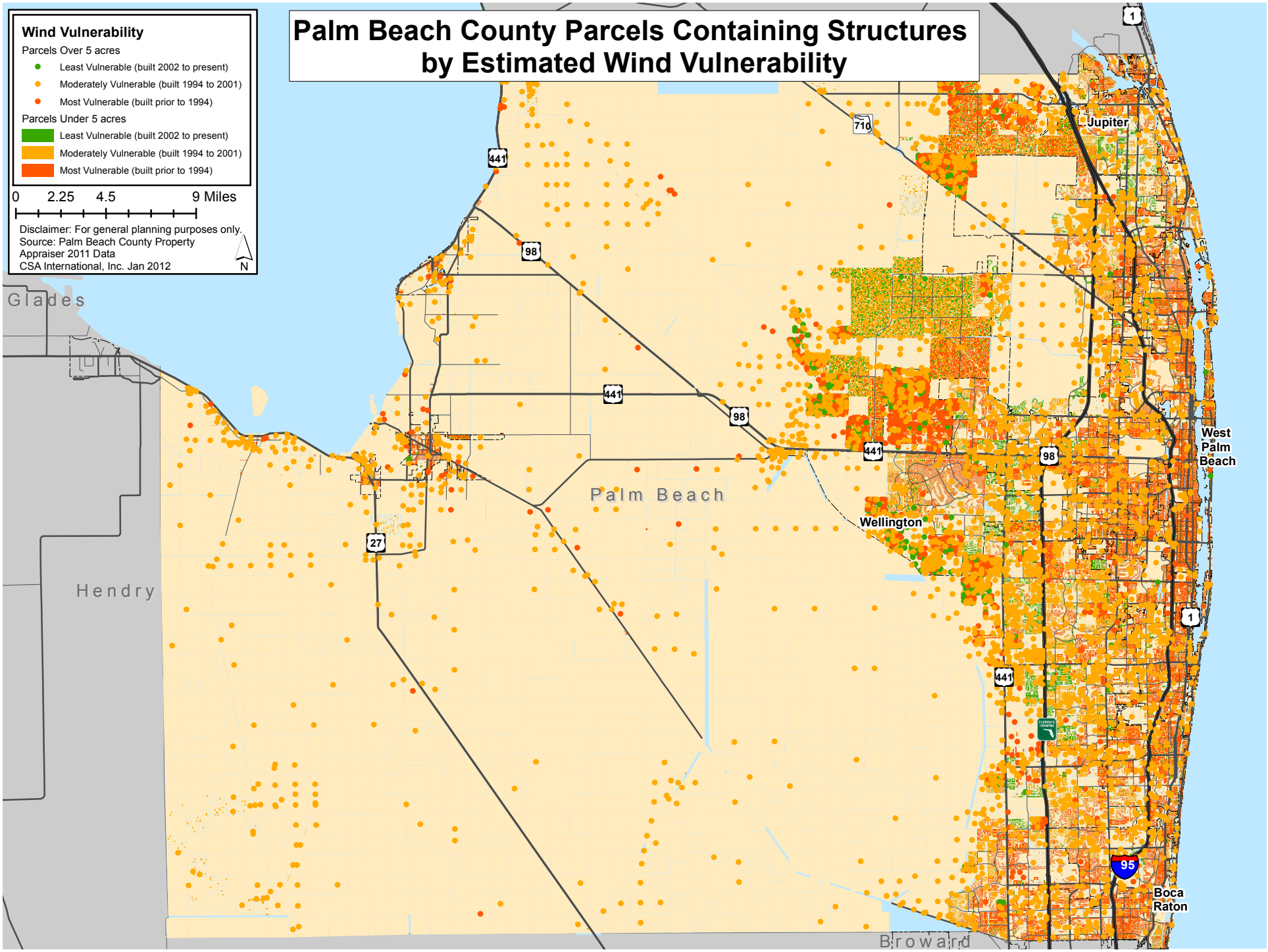
Indian River County Parcels Containing Structures by Estimated Wind Vulnerability



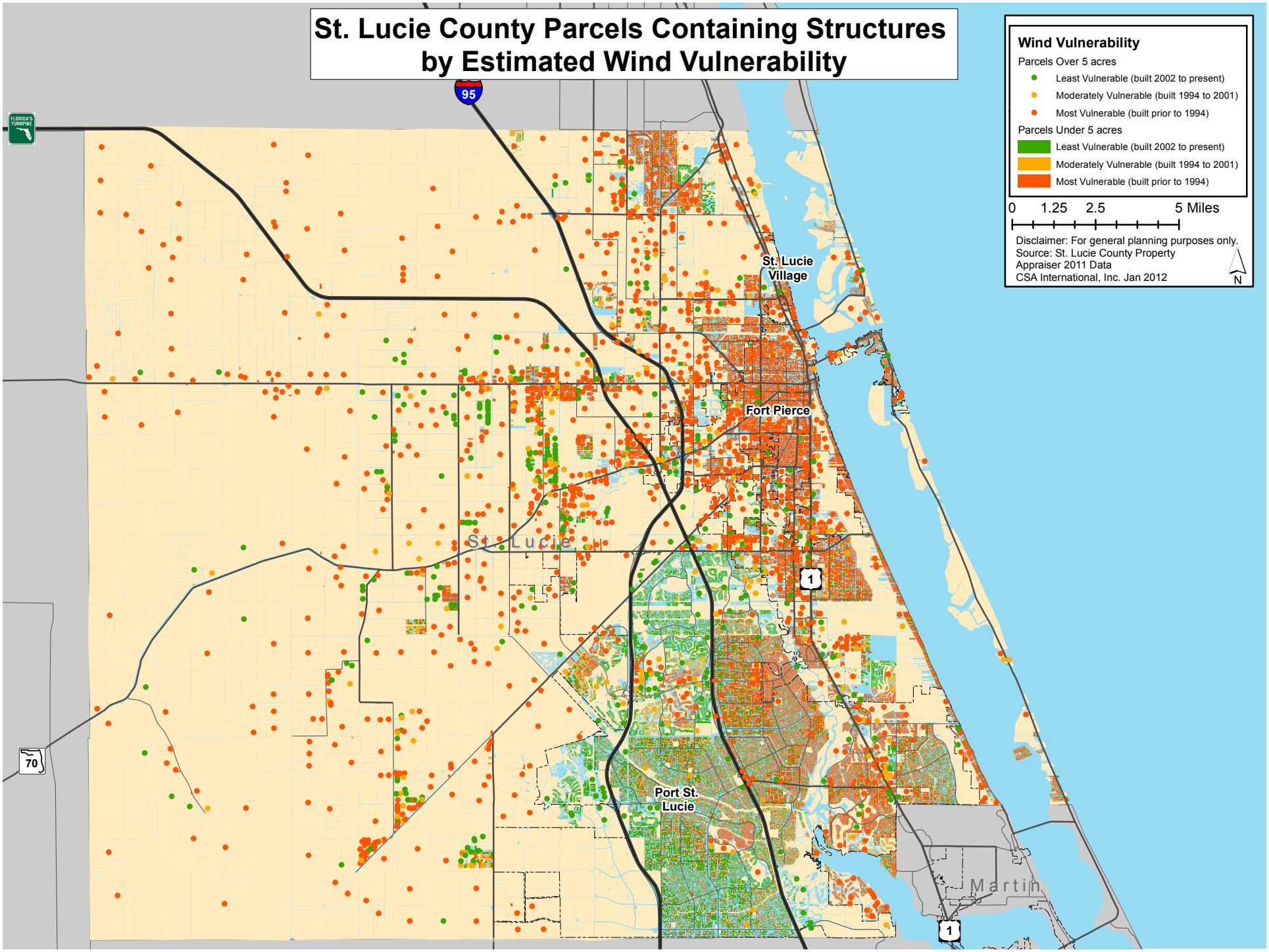
Martin County Parcels Containing Structures by Estimated Wind Vulnerability



Palm Beach County Parcels Containing Structures by Estimated Wind Vulnerability



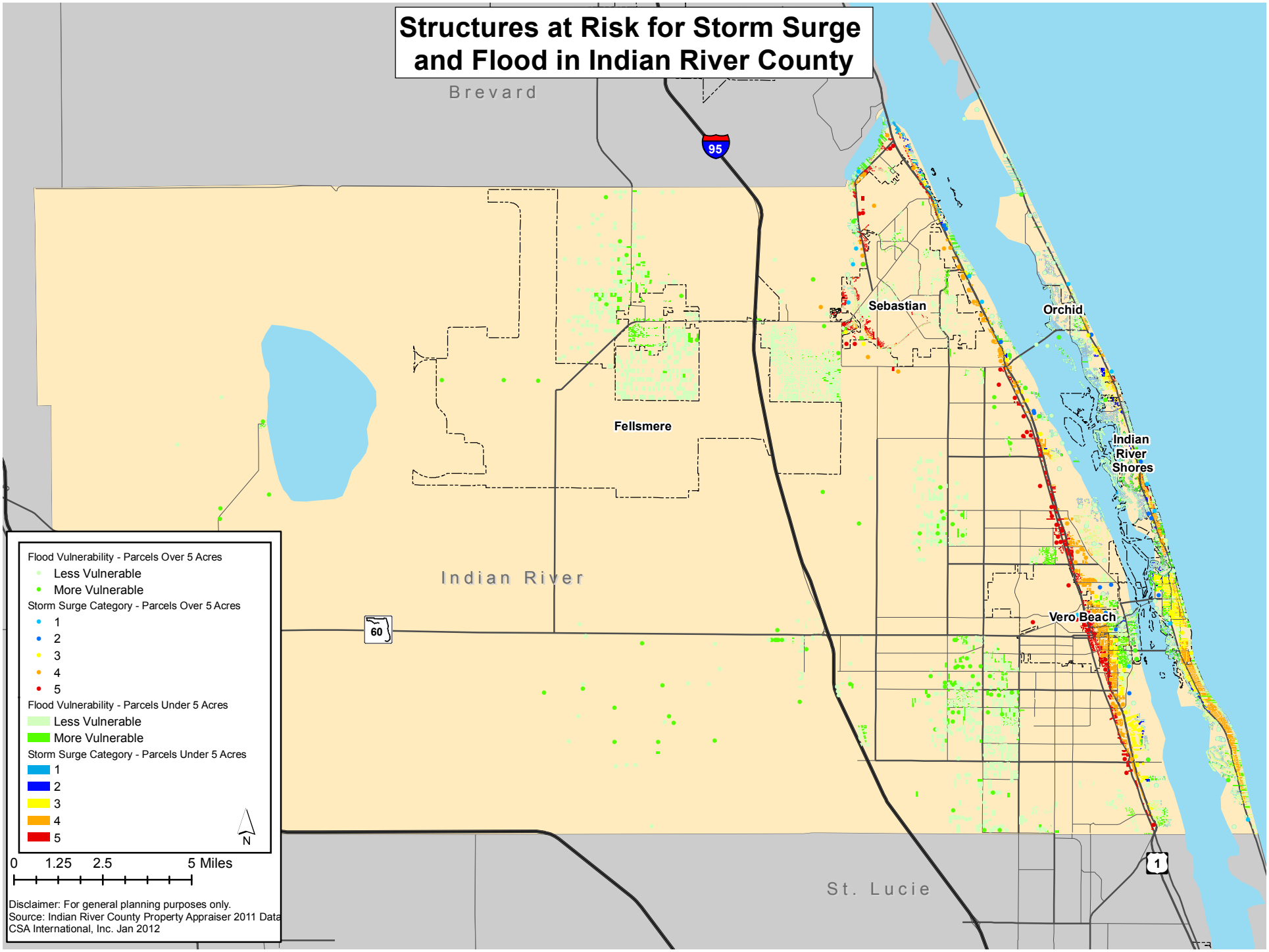
St. Lucie County Parcels Containing Structures by Estimated Wind Vulnerability



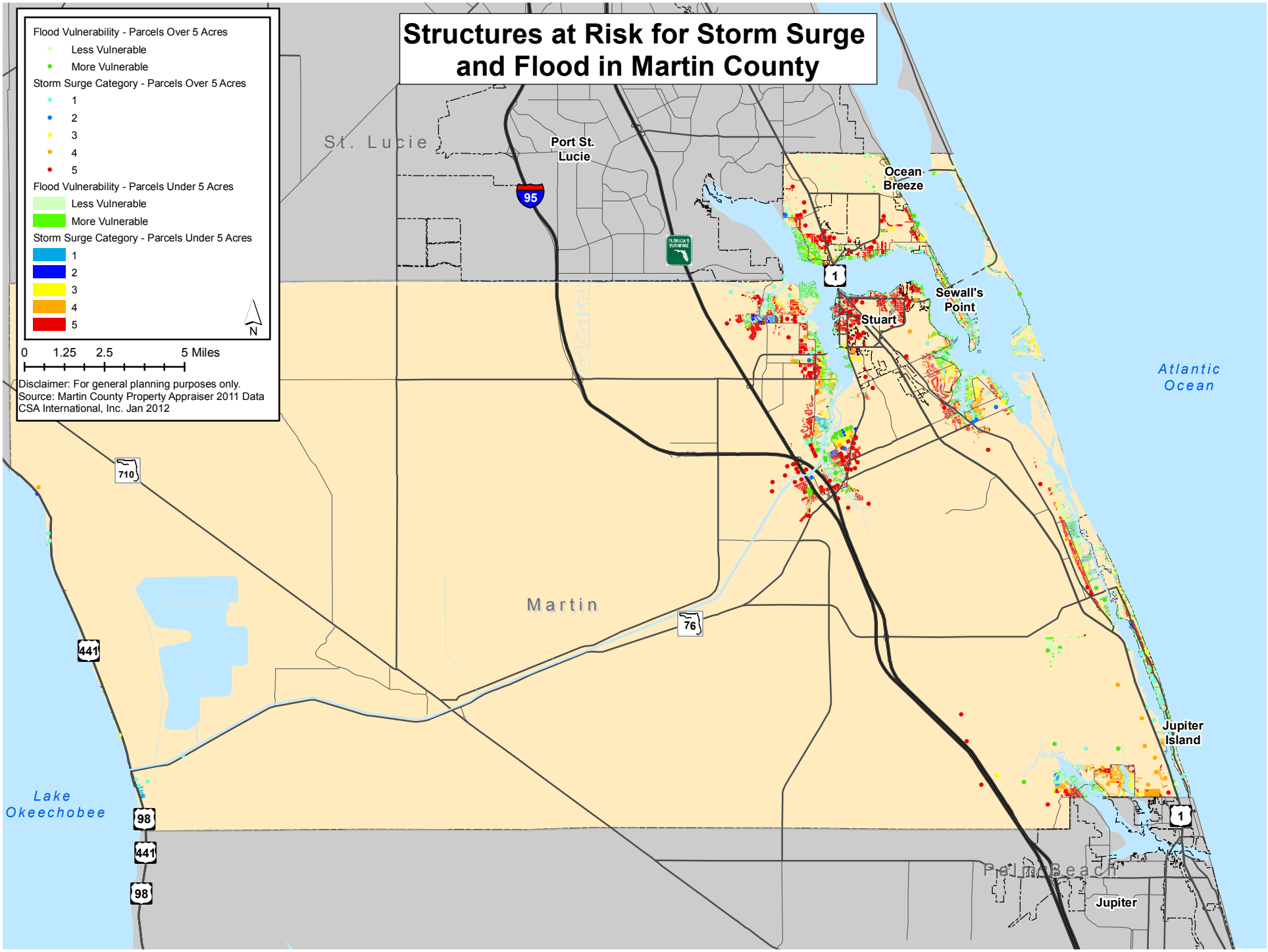
FLOOD AND STORM SURGE VULNERABILITY MAPS

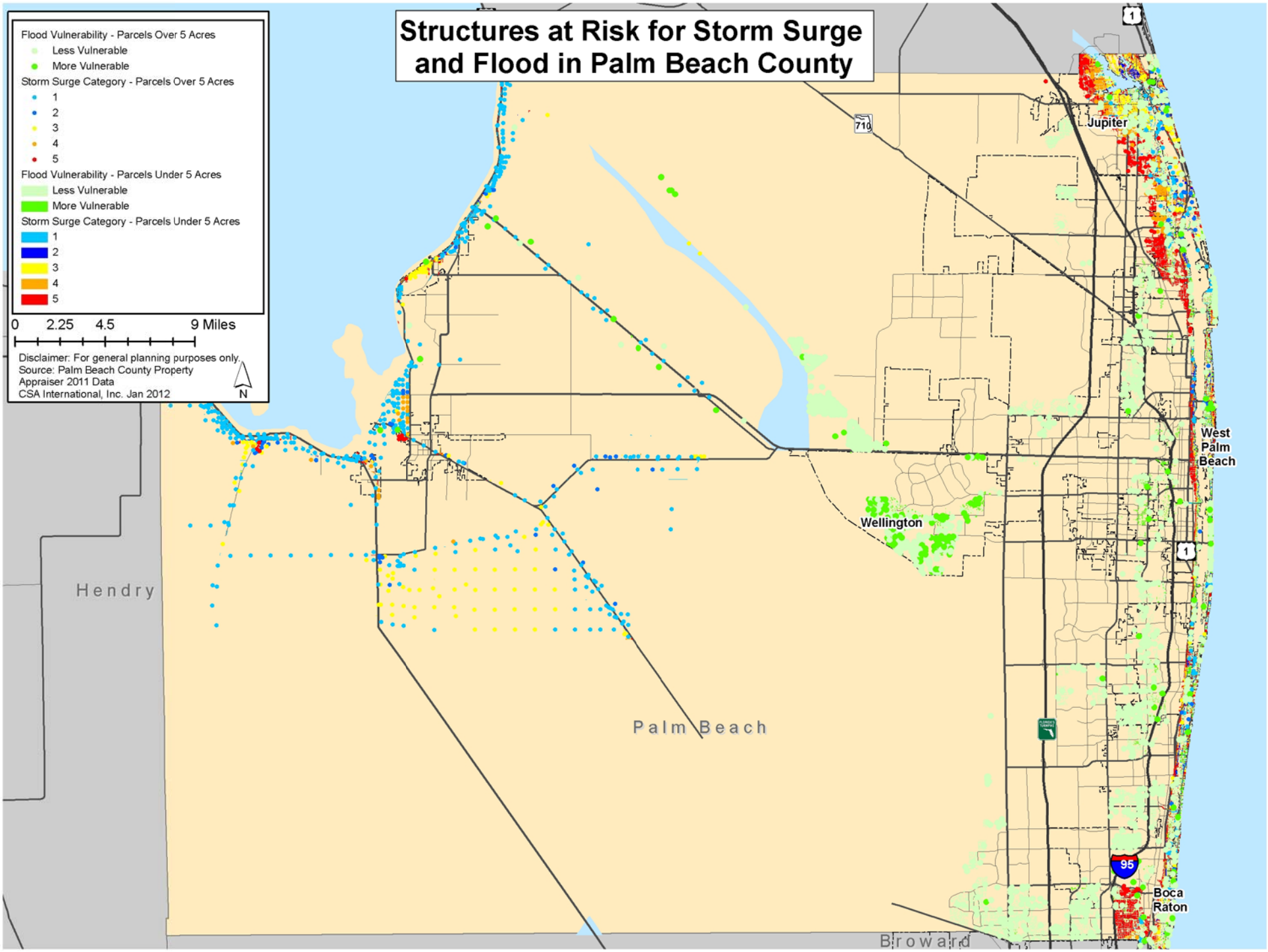
Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment

Structures at Risk for Storm Surge and Flood in Indian River County

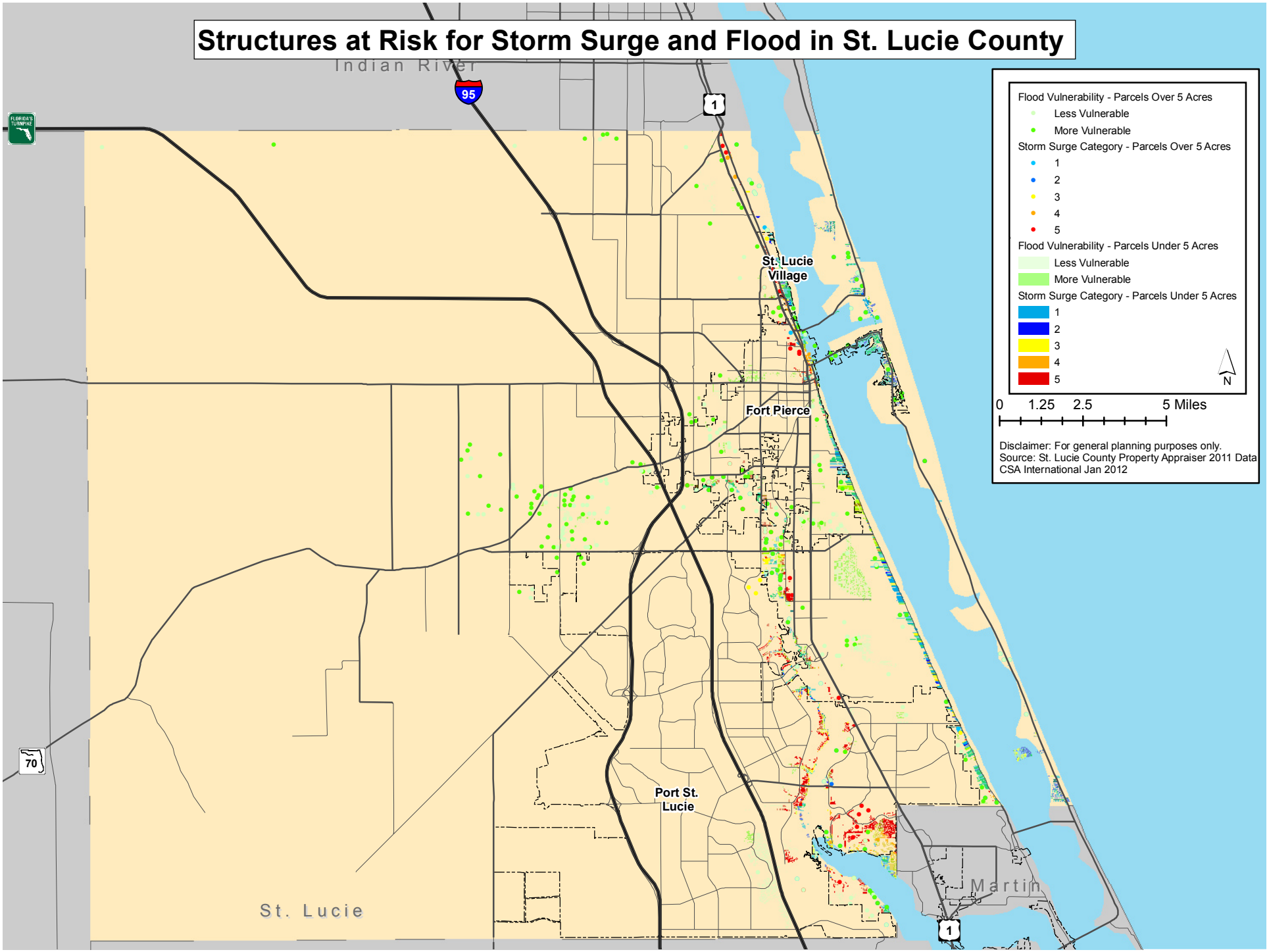


Structures at Risk for Storm Surge and Flood in Martin County




Structures at Risk for Storm Surge and Flood in Palm Beach County
Flood Vulnerability - Parcels Over 5 Acres
Less Vulnerable
More Vulnerable
Storm Surge Category - Parcels Over 5 Acres
1
2
3
4
5
Flood Vulnerability - Parcels Under 5 Acres
Less Vulnerable
More Vulnerable
Storm Surge Category - Parcels Under 5 Acres
1
2
3
4
5
0 2.25 4.5 9 Miles
Disclaimer: For general planning purposes only.
Source: Palm Beach County Property Appraiser 2011 Data
CSA International, Inc. Jan 2012
N
Jupiter
West Palm Beach
Wellington
Boca Raton
Hendry
Palm Beach
Broward
710
1
95

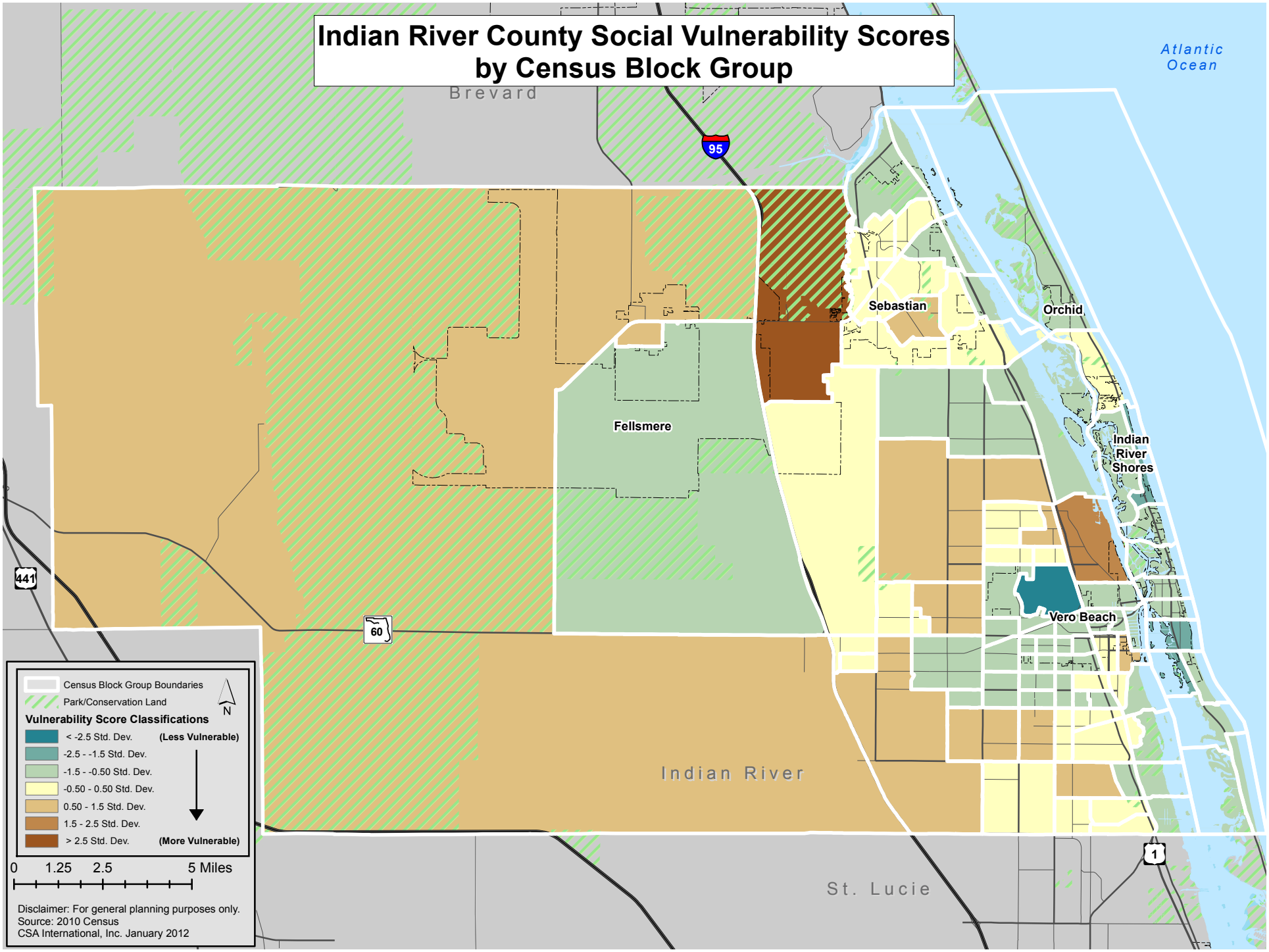
Structures at Risk for Storm Surge and Flood in St. Lucie County



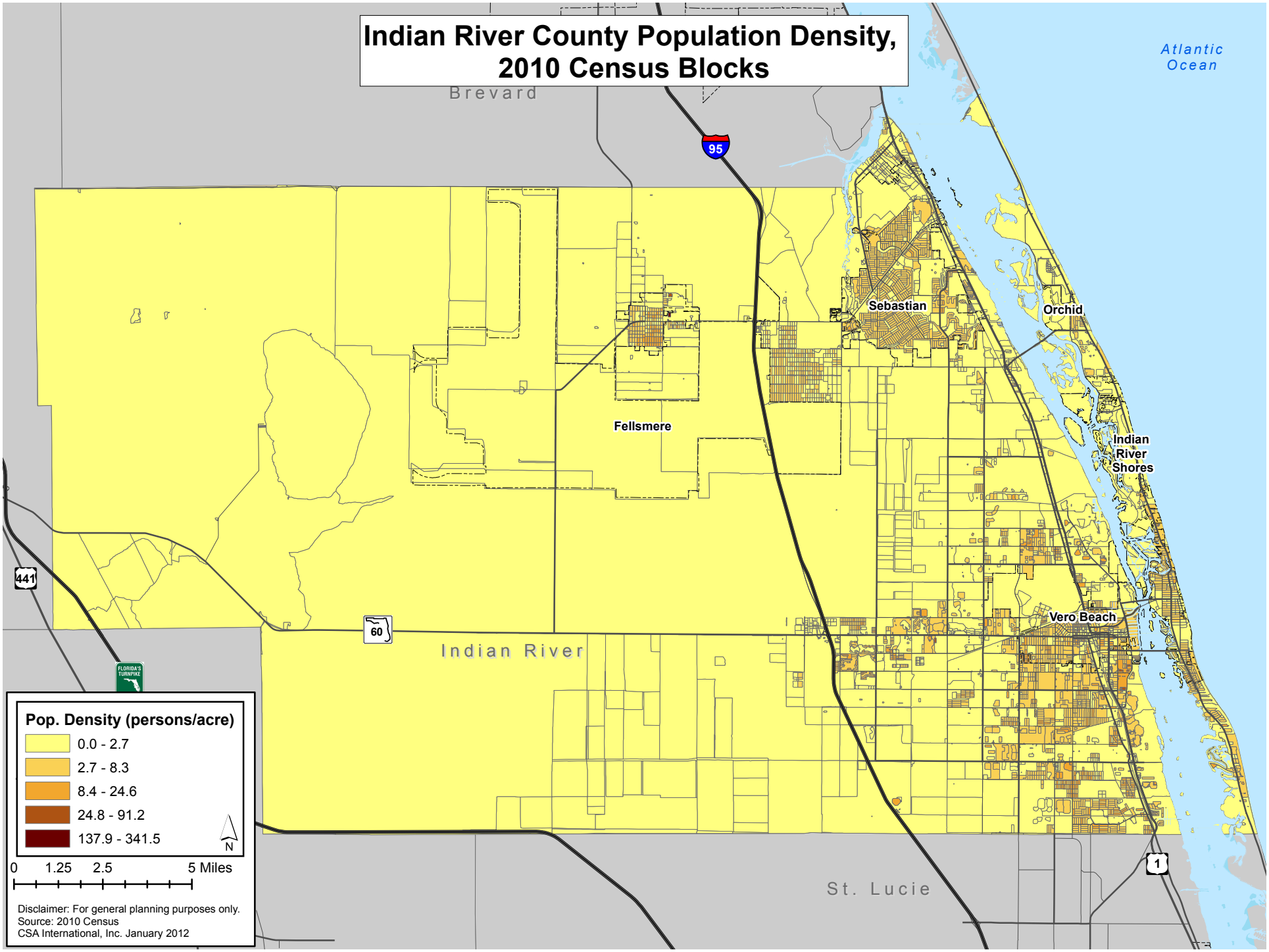
SOCIO-ECONOMIC VULNERABILITY MAPS

Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment

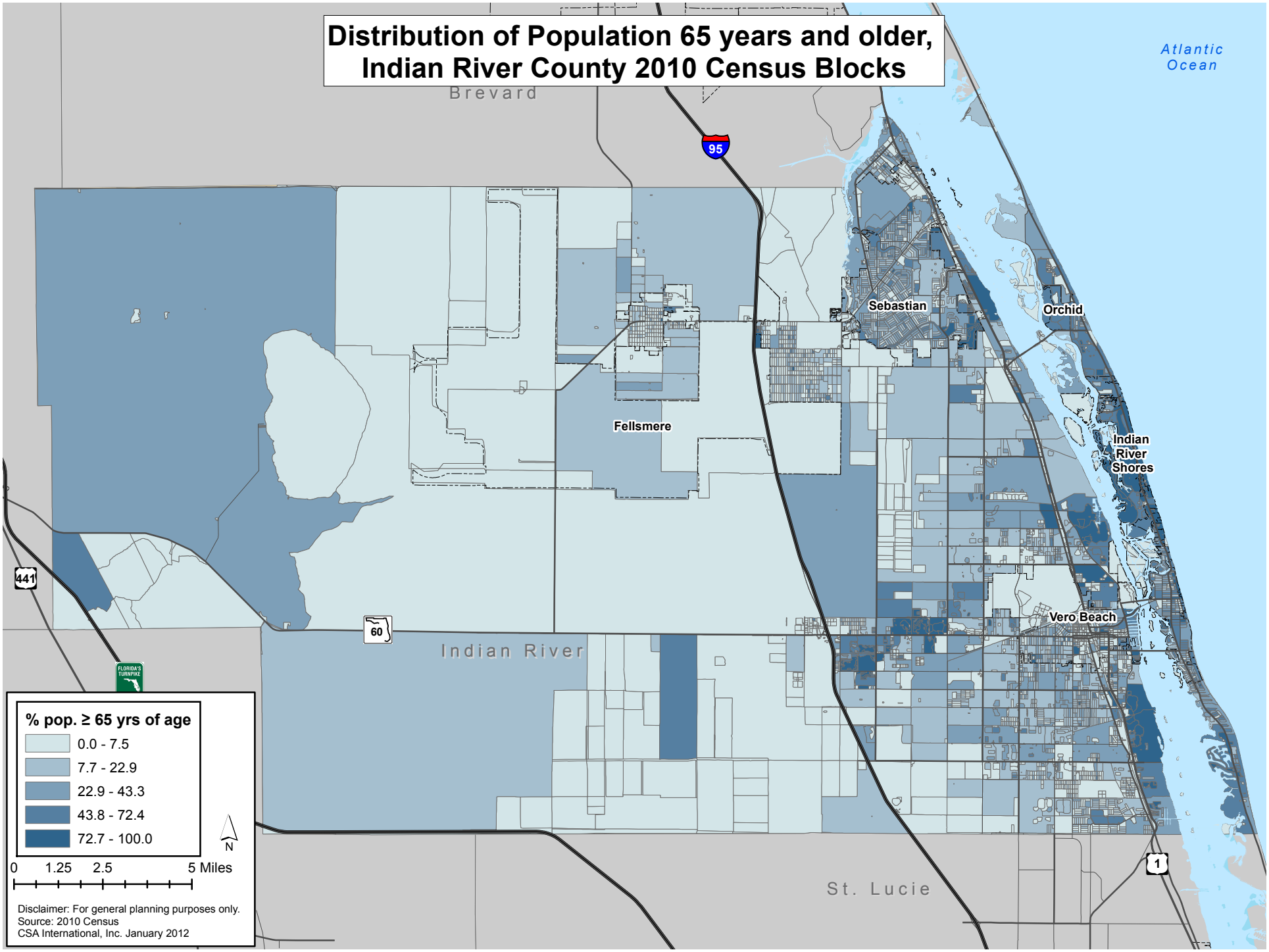
Indian River County Social Vulnerability Scores by Census Block Group



Indian River County Population Density, 2010 Census Blocks

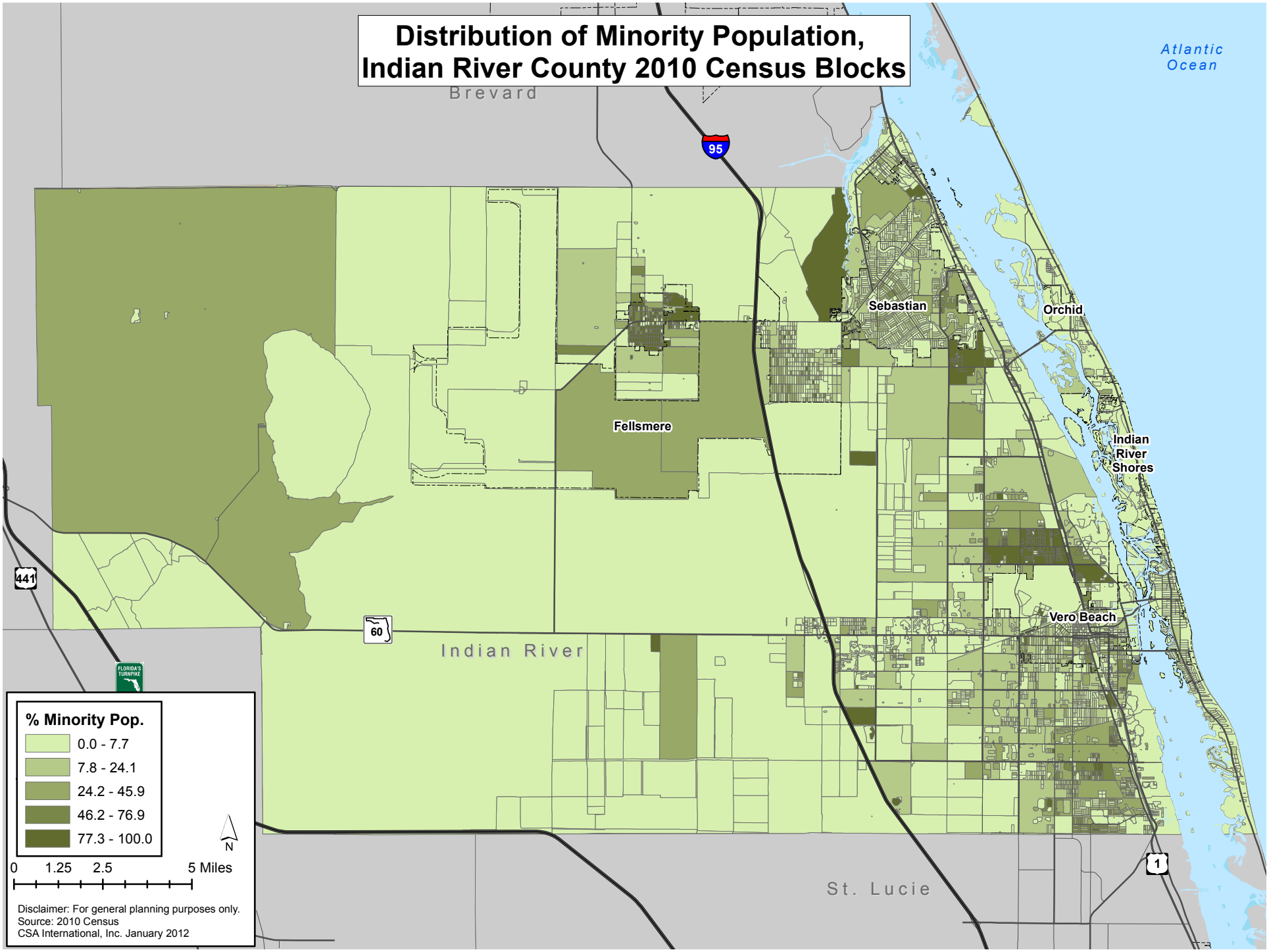


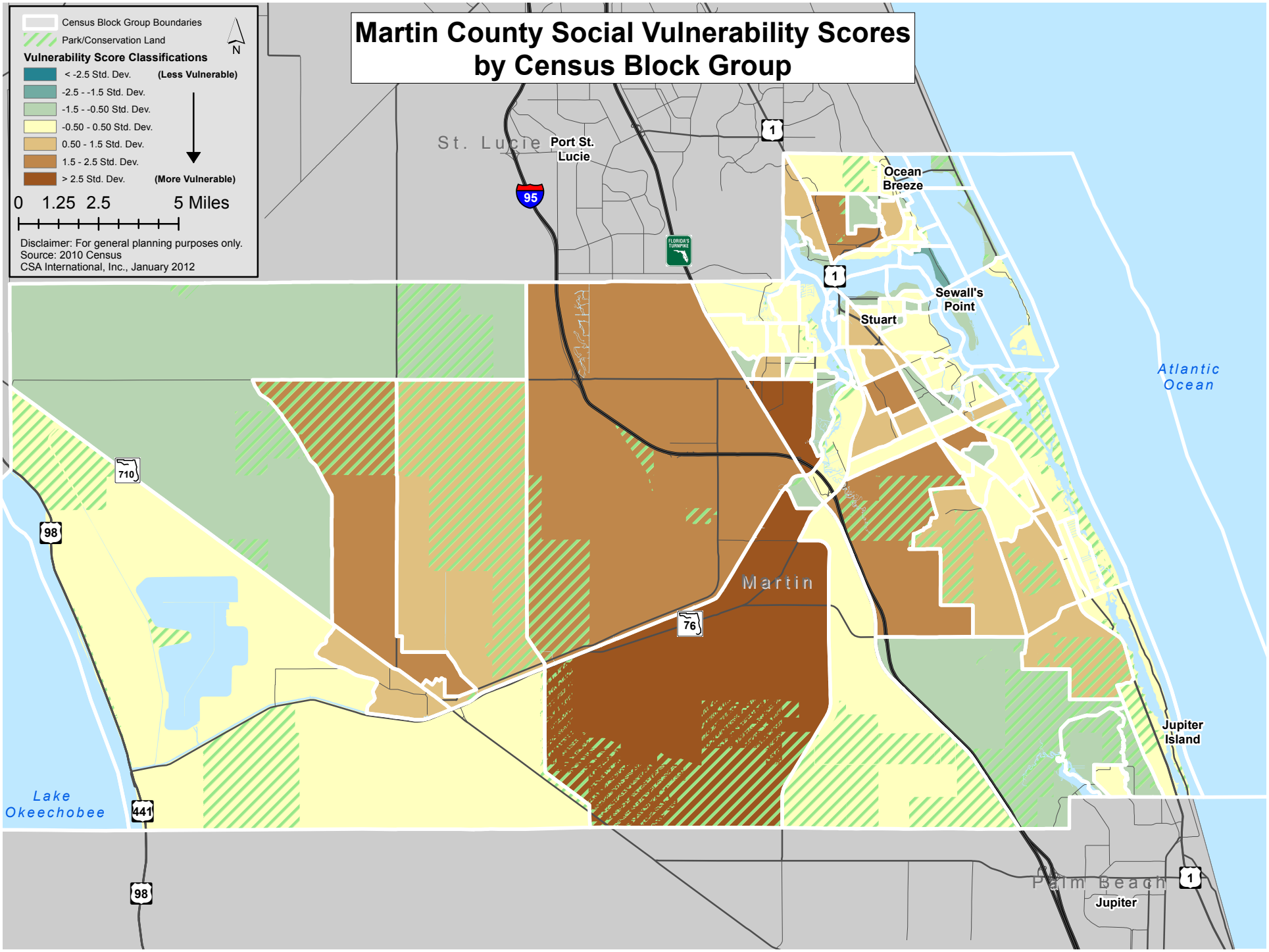
Distribution of Population 65 years and older, Indian River County 2010 Census Blocks

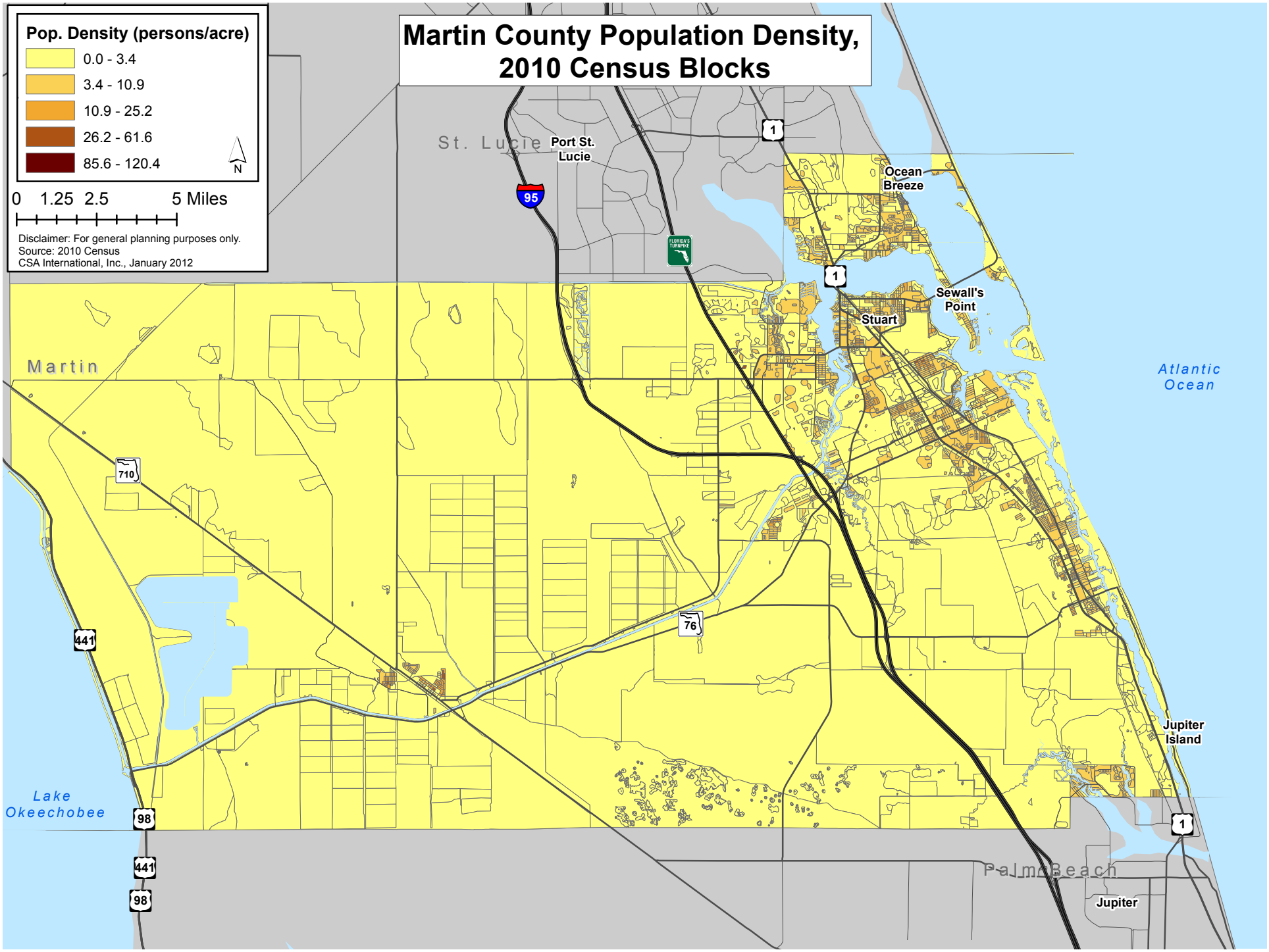


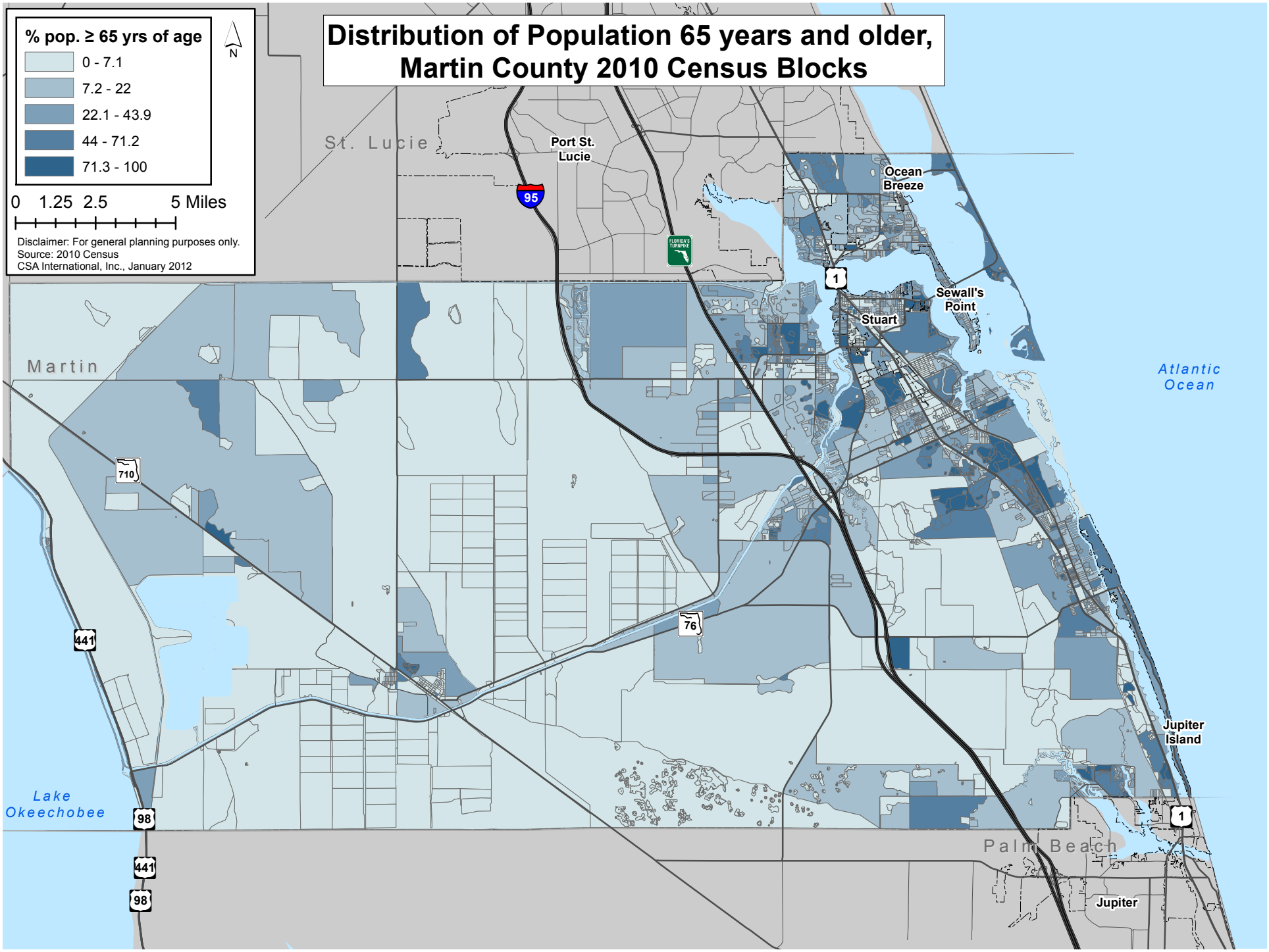
Disclaimer: For general planning purposes only.
Source: 2010 Census
CSA International, Inc. January 2012

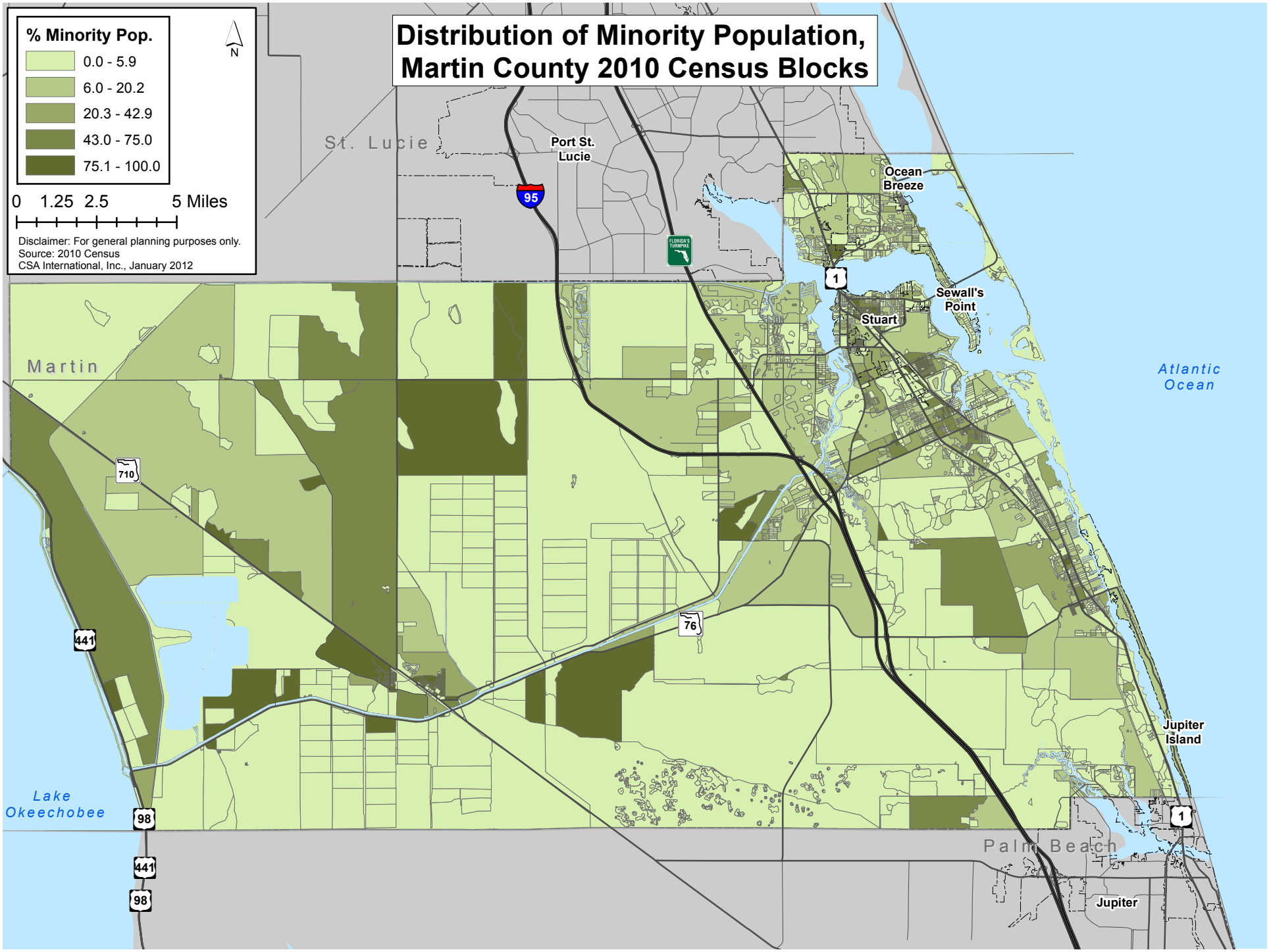
Distribution of Minority Population, Indian River County 2010 Census Blocks



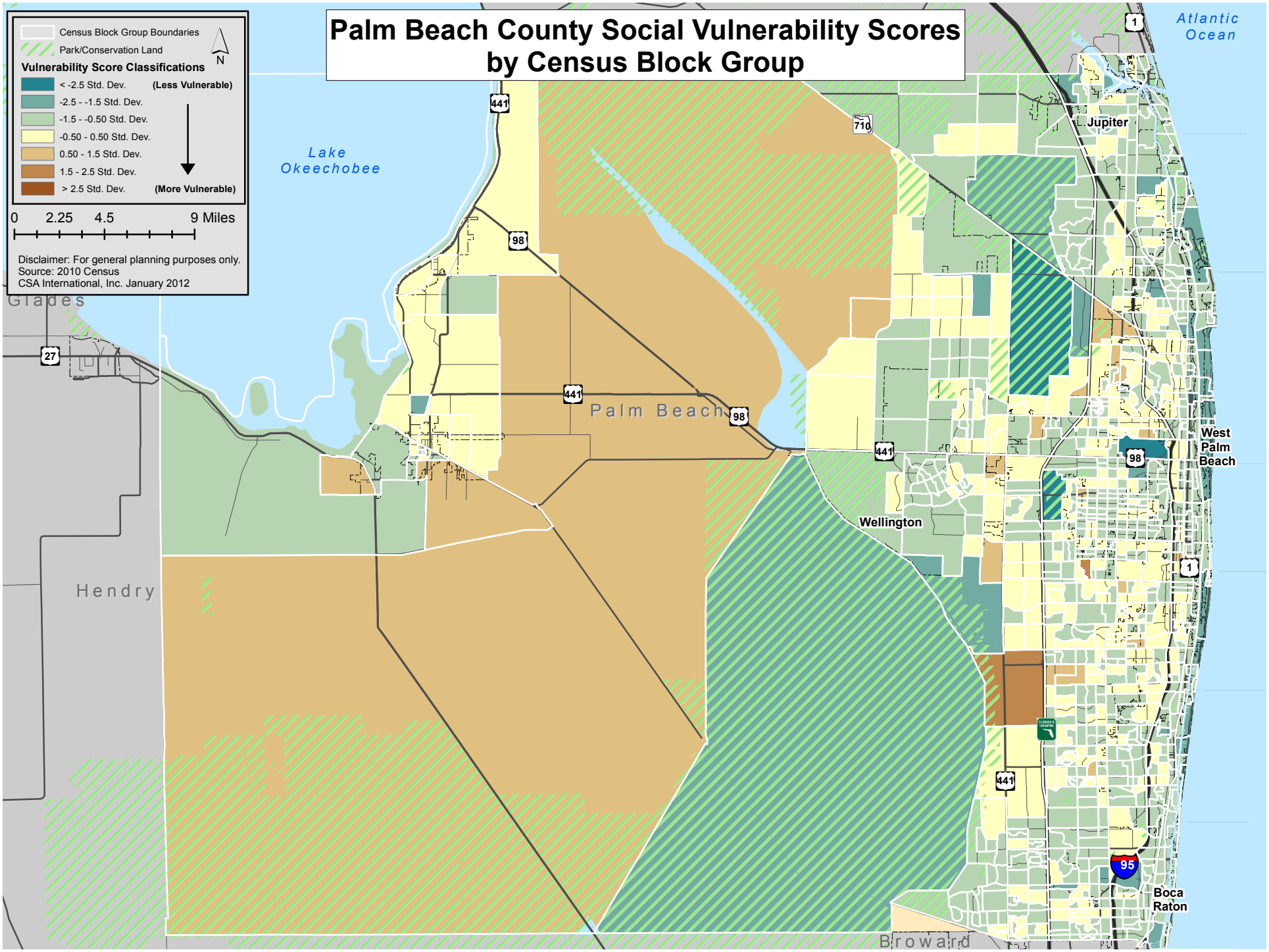

Martin County Social Vulnerability Scores
by Census Block Group
Census Block Group Boundaries
Park/Conservation Land
N
Vulnerability Score Classifications
< -2.5 Std. Dev. (Less Vulnerable)
-2.5 - -1.5 Std. Dev.
-1.5 - -0.50 Std. Dev.
-0.50 - 0.50 Std. Dev.
0.50 - 1.5 Std. Dev.
1.5 - 2.5 Std. Dev.
> 2.5 Std. Dev. (More Vulnerable)
0 1.25 2.5 5 Miles
Disclaimer: For general planning purposes only.
Source: 2010 Census
CSA International, Inc., January 2012
St. Lucie
Port St. Lucie
95
1
Ocean Breeze
Sewall's Point
Stuart
Atlantic Ocean
710
98
Martin
76
Jupiter Island
Lake Okeechobee
441
Palm Beach
Jupiter

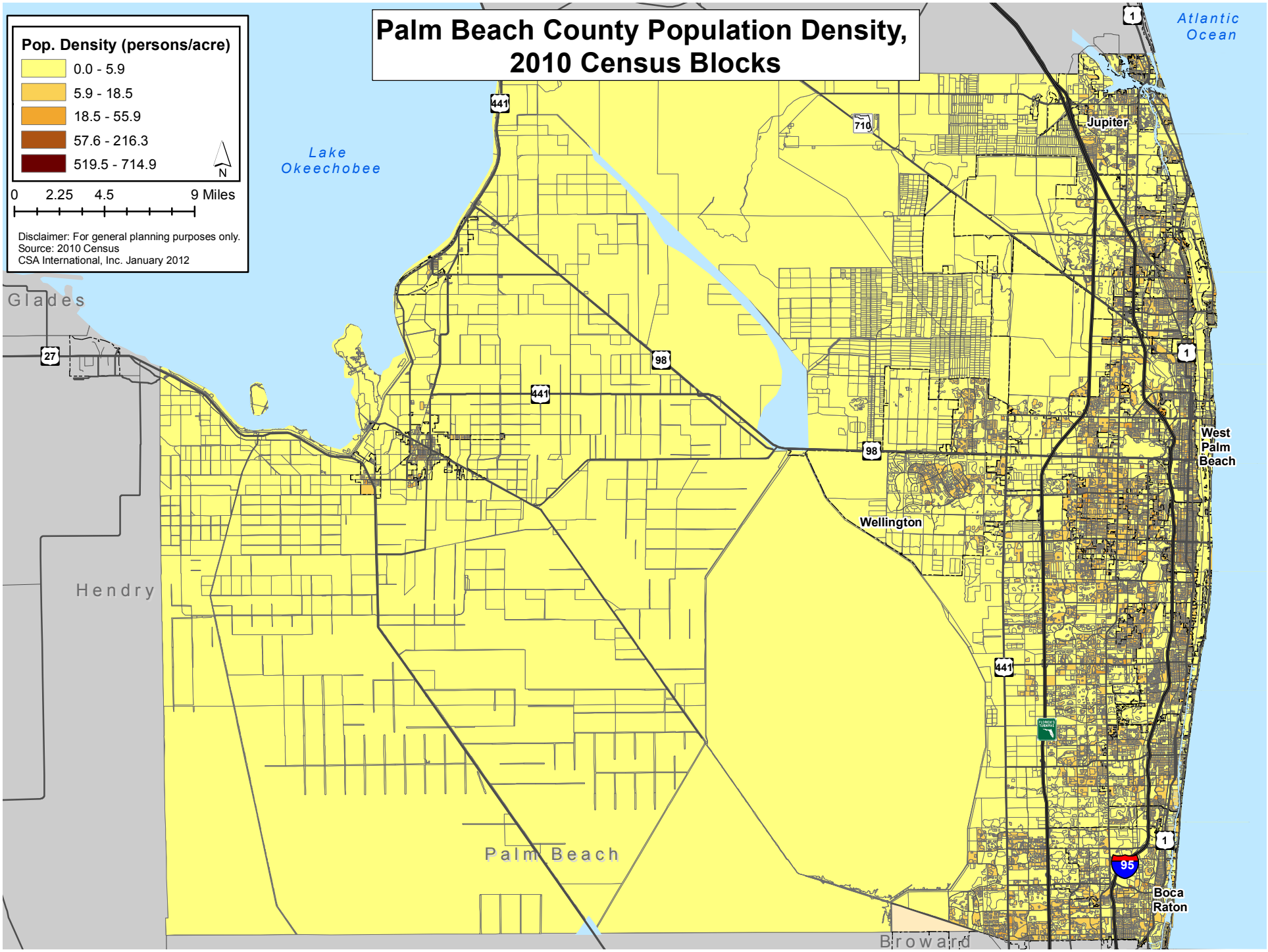

Martin County Population Density, 2010 Census Blocks
Pop. Density (persons/acre)
0.0 - 3.4
3.4 - 10.9
10.9 - 25.2
26.2 - 61.6
85.6 - 120.4
N
0 1.25 2.5 5 Miles
Disclaimer: For general planning purposes only.
Source: 2010 Census
CSA International, Inc., January 2012
St. Lucie
Port St. Lucie
Ocean Breeze
Sewall's Point
Stuart
Martin
Atlantic Ocean
Jupiter Island
Lake Okeechobee
Palm Beach
Jupiter
95
1
710
76
441
98

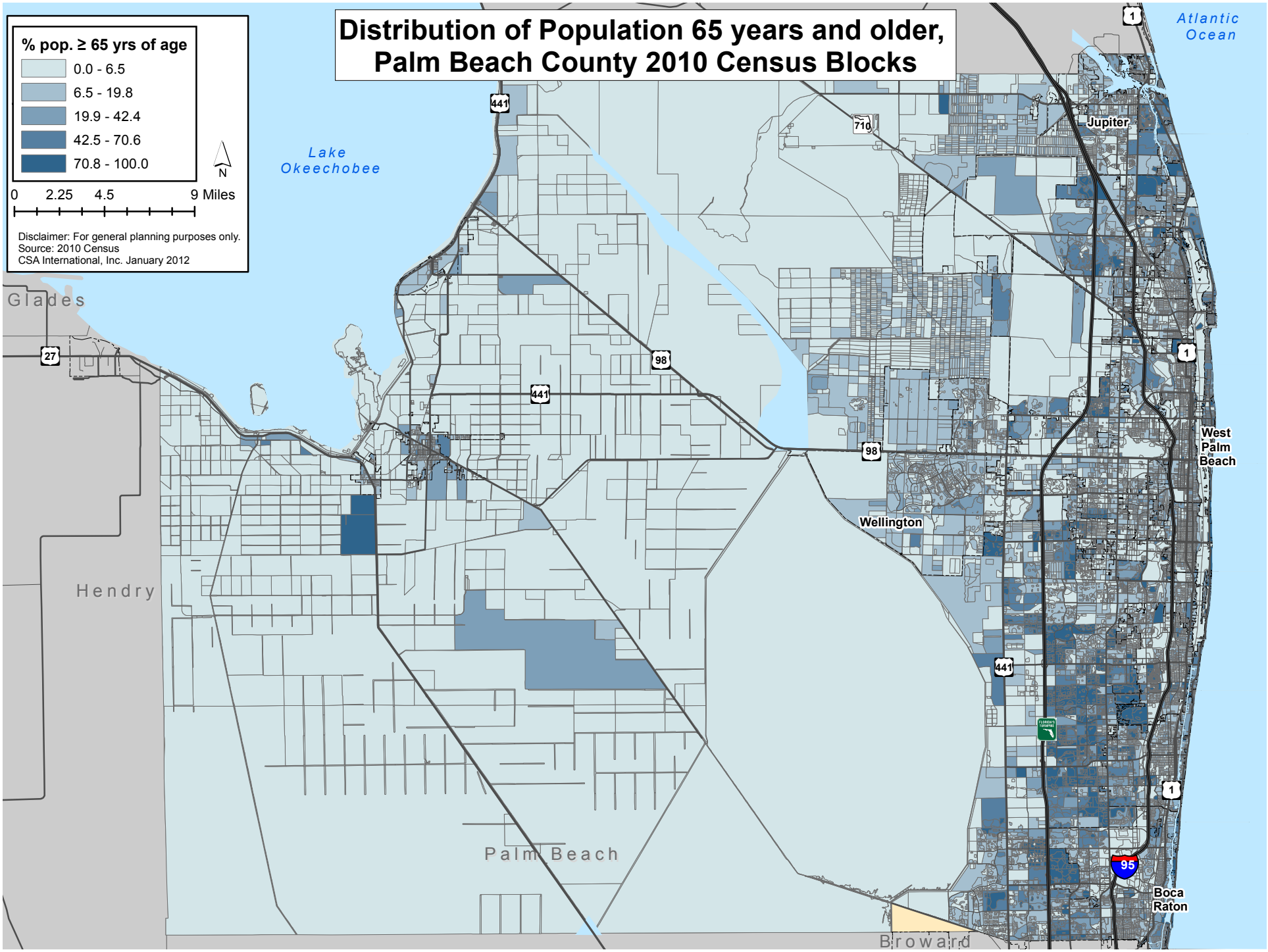

Distribution of Population 65 years and older,
Martin County 2010 Census Blocks
% pop. ≥ 65 yrs of age
0 - 7.1
7.2 - 22
22.1 - 43.9
44 - 71.2
71.3 - 100
N
0 1.25 2.5 5 Miles
Disclaimer: For general planning purposes only.
Source: 2010 Census
CSA International, Inc., January 2012
St. Lucie
Port St. Lucie
Ocean Breeze
Sewall's Point
Stuart
Martin
Atlantic Ocean
Jupiter Island
Lake Okeechobee
Palm Beach
Jupiter
95
1
710
76
441
98

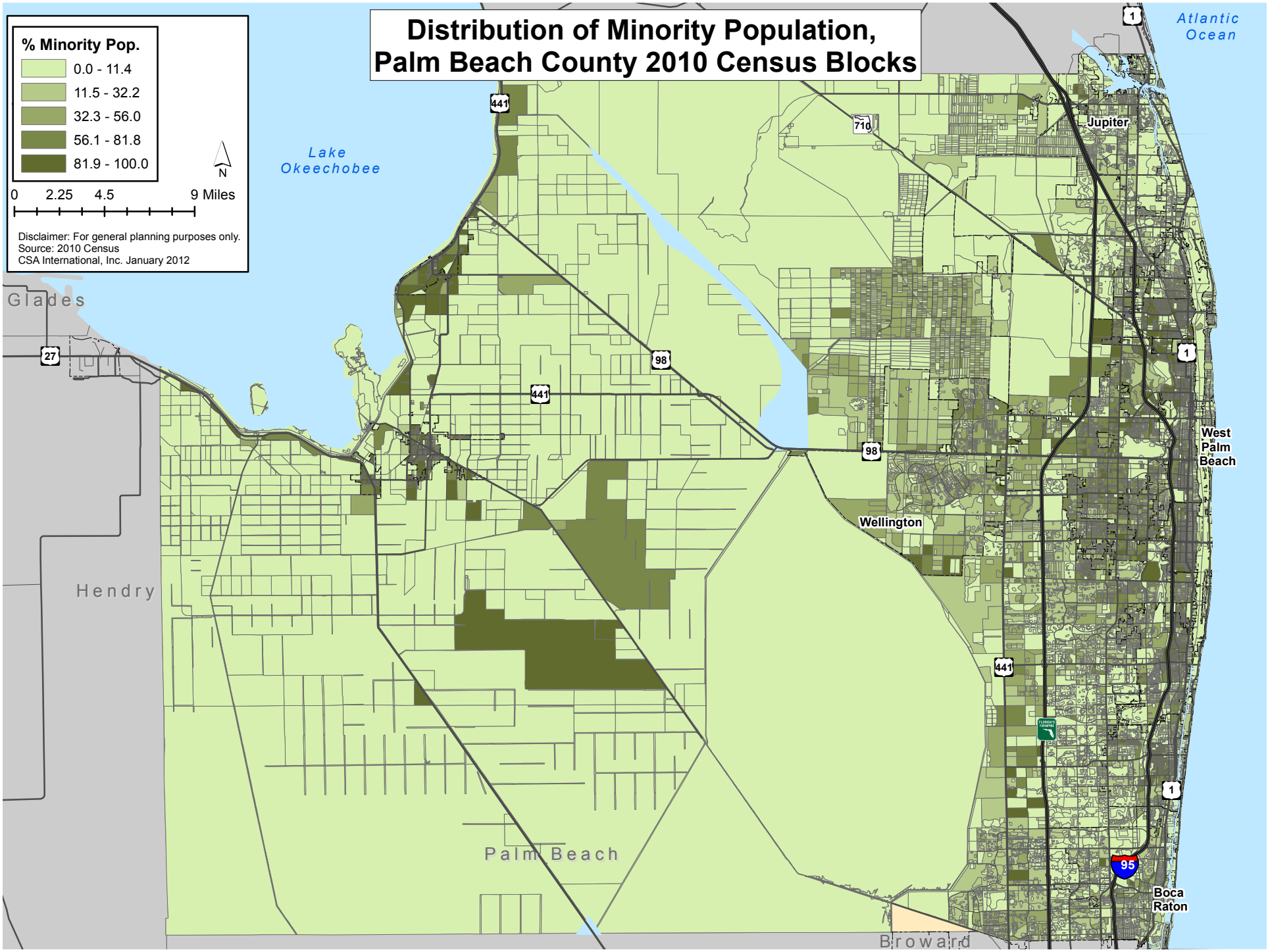

Distribution of Minority Population,
Martin County 2010 Census Blocks
% Minority Pop.
0.0 - 5.9
6.0 - 20.2
20.3 - 42.9
43.0 - 75.0
75.1 - 100.0
N
0 1.25 2.5 5 Miles
Disclaimer: For general planning purposes only.
Source: 2010 Census
CSA International, Inc., January 2012
St. Lucie
Port St. Lucie
95
Ocean Breeze
1
Sewall's Point
Stuart
Martin
Atlantic Ocean
710
76
441
Jupiter Island
Lake Okeechobee
98
1
Palm Beach
441
98
Jupiter

Palm Beach County Social Vulnerability Scores by Census Block Group

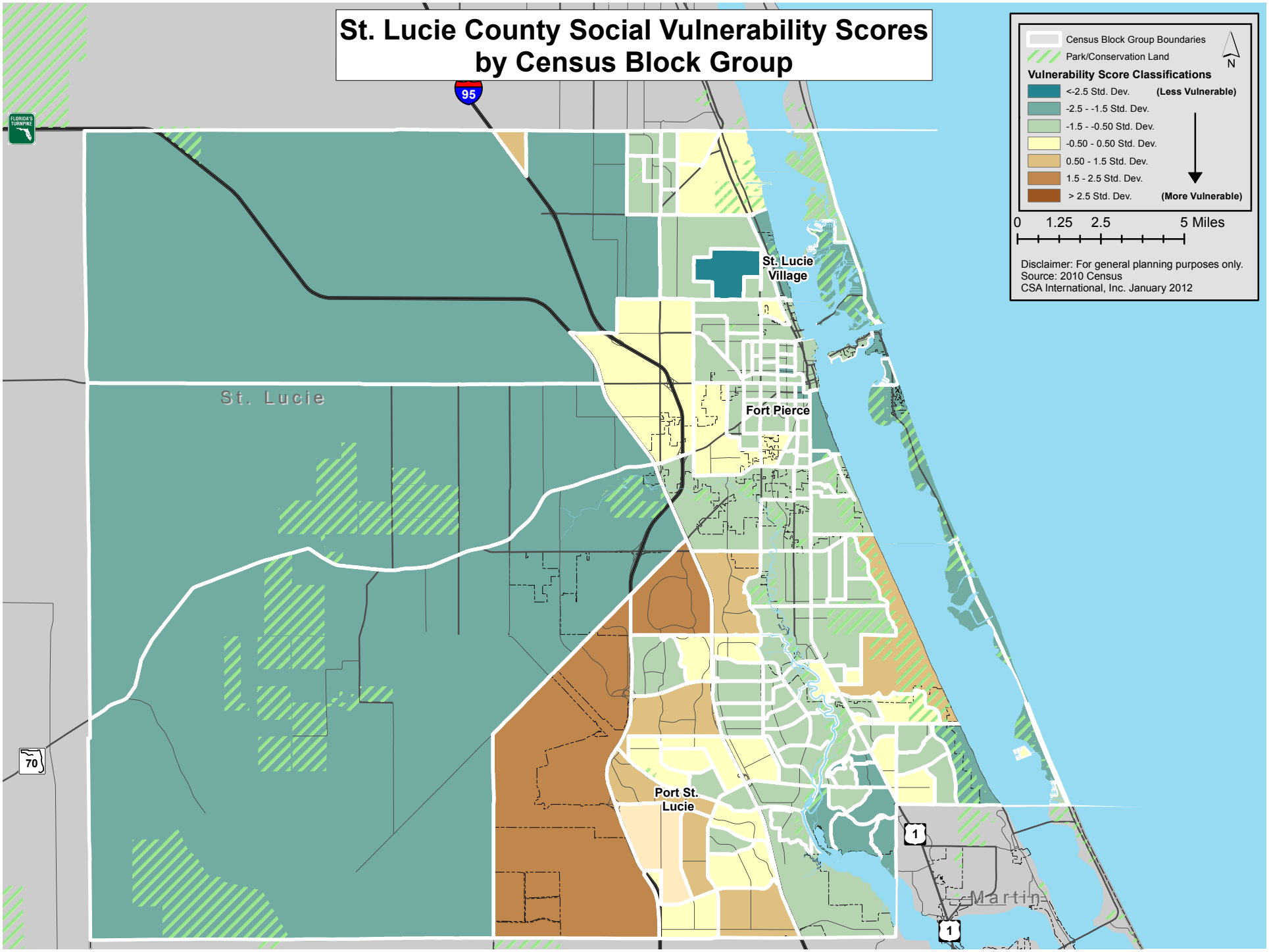



Palm Beach County Population Density, 2010 Census Blocks
Pop. Density (persons/acre)
0.0 - 5.9
5.9 - 18.5
18.5 - 55.9
57.6 - 216.3
519.5 - 714.9
N
0 2.25 4.5 9 Miles
Disclaimer: For general planning purposes only.
Source: 2010 Census
CSA International, Inc. January 2012
Lake Okeechobee
Atlantic Ocean
Glades
Hendry
Palm Beach
Broward
Jupiter
West Palm Beach
Wellington
Boca Raton
441
710
98
27
1
95

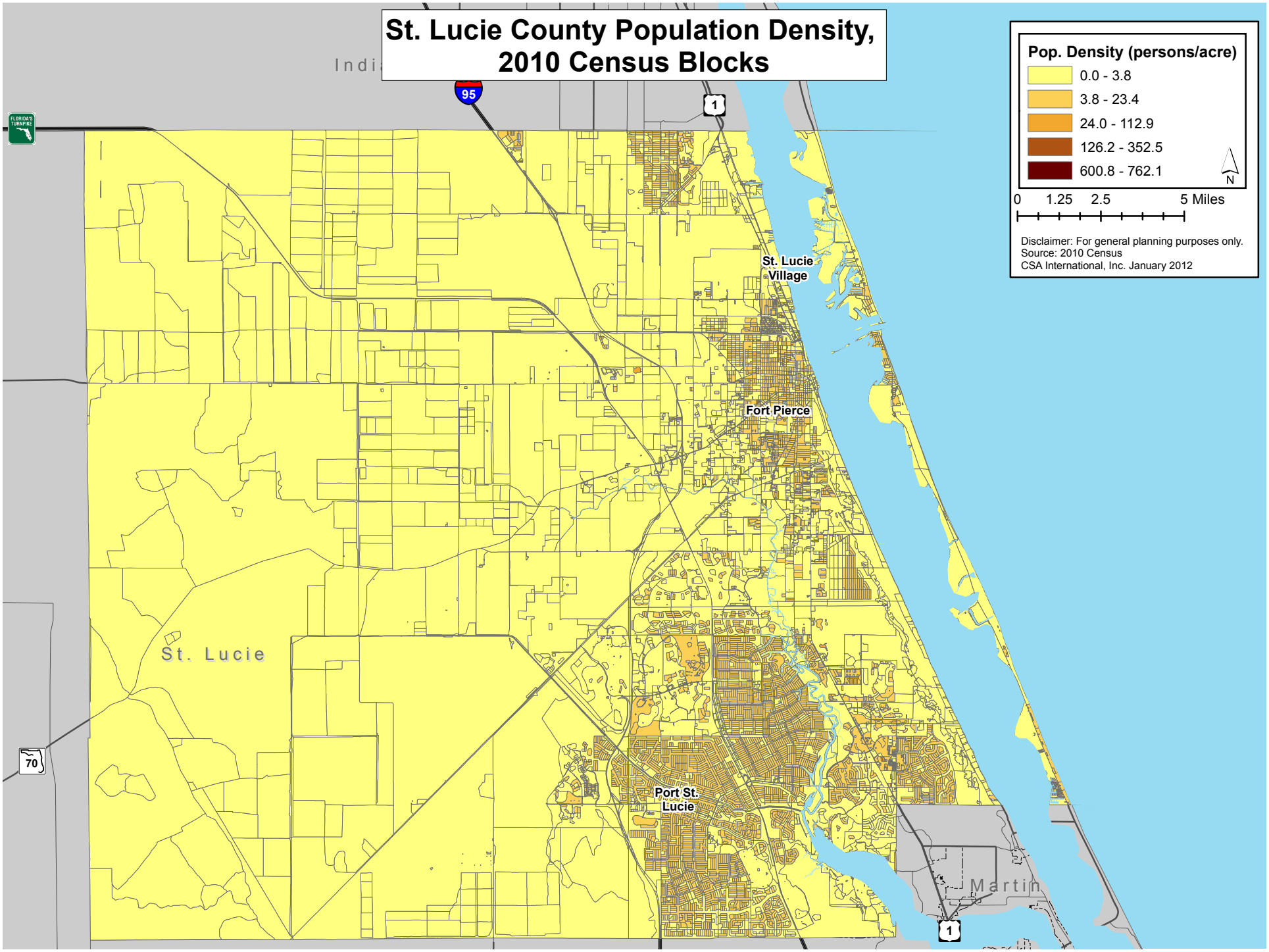

Distribution of Population 65 years and older,
Palm Beach County 2010 Census Blocks
% pop. ≥ 65 yrs of age
0.0 - 6.5
6.5 - 19.8
19.9 - 42.4
42.5 - 70.6
70.8 - 100.0
N
0 2.25 4.5 9 Miles
Disclaimer: For general planning purposes only.
Source: 2010 Census
CSA International, Inc. January 2012
Lake Okeechobee
Atlantic Ocean
Glades
Hendry
Palm Beach
Broward
Jupiter
West Palm Beach
Wellington
Boca Raton
441
710
98
27
1
95


Distribution of Minority Population,
Palm Beach County 2010 Census Blocks
% Minority Pop.
0.0 - 11.4
11.5 - 32.2
32.3 - 56.0
56.1 - 81.8
81.9 - 100.0
N
0 2.25 4.5 9 Miles
Disclaimer: For general planning purposes only.
Source: 2010 Census
CSA International, Inc. January 2012
Lake Okeechobee
Atlantic Ocean
Glades
Hendry
Palm Beach
Broward
Jupiter
West Palm Beach
Wellington
Boca Raton
441
710
98
27
1
95

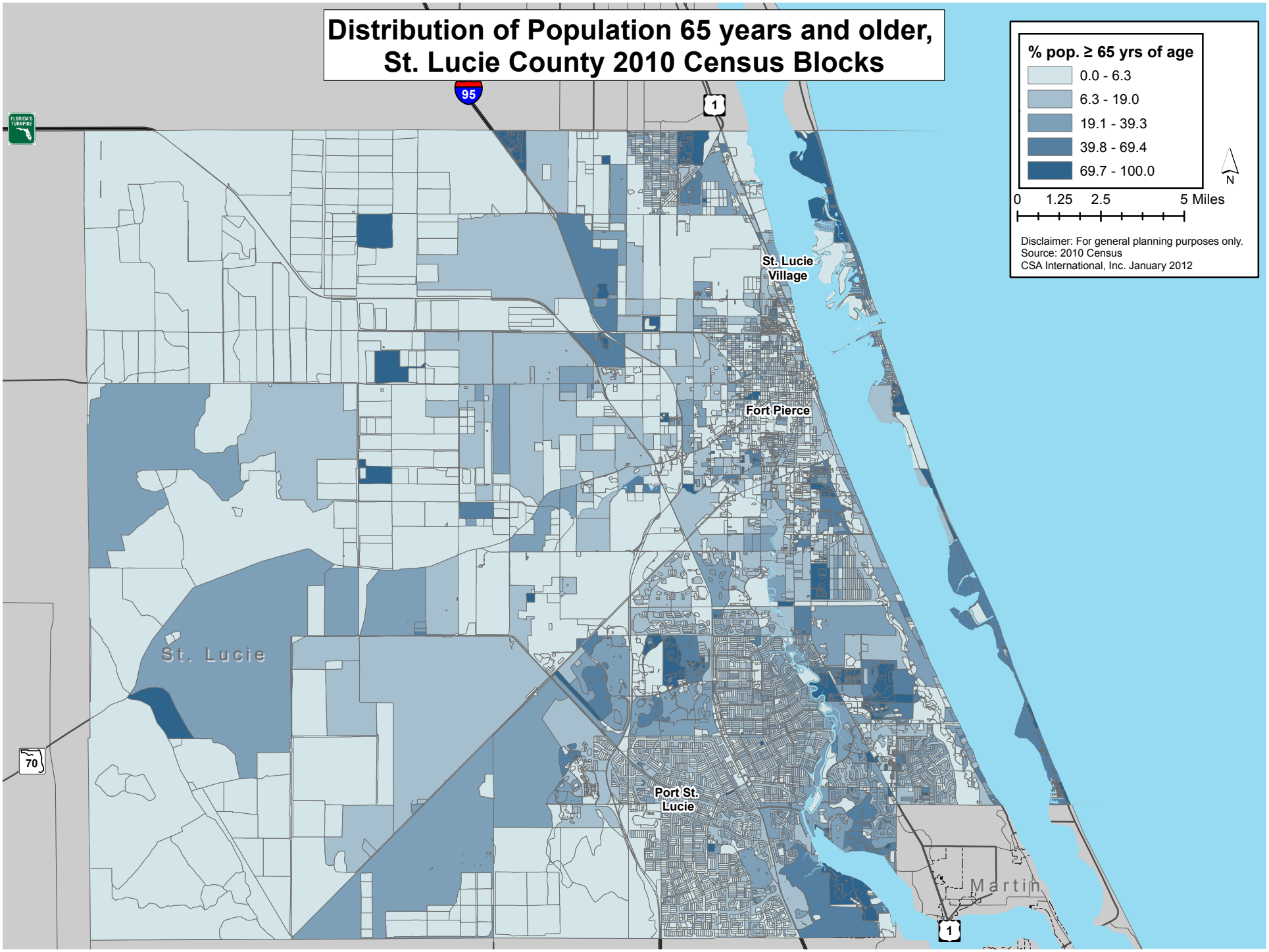
St. Lucie County Social Vulnerability Scores by Census Block Group

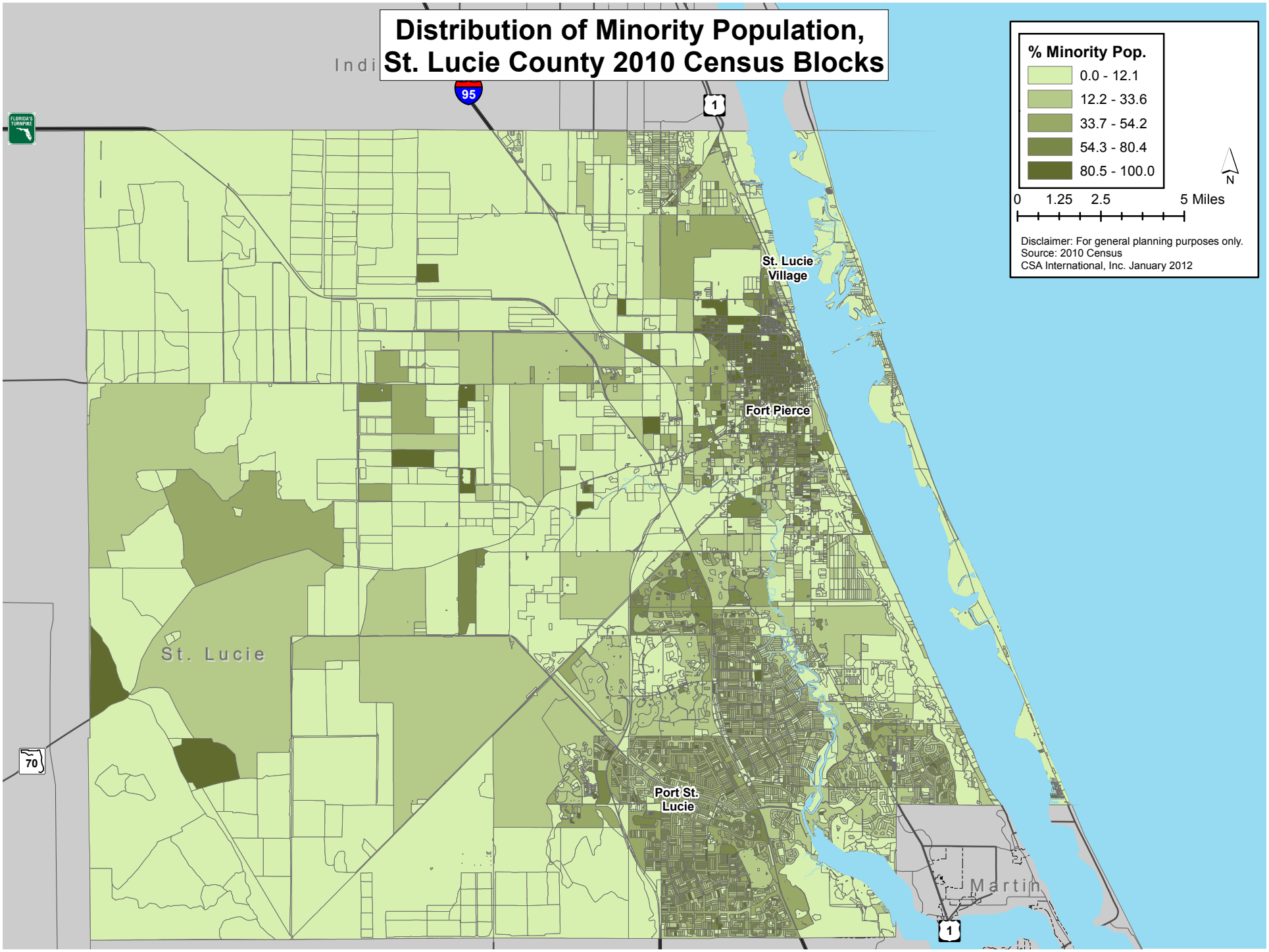


St. Lucie County Population Density, 2010 Census Blocks



Distribution of Population 65 years and older, St. Lucie County 2010 Census Blocks

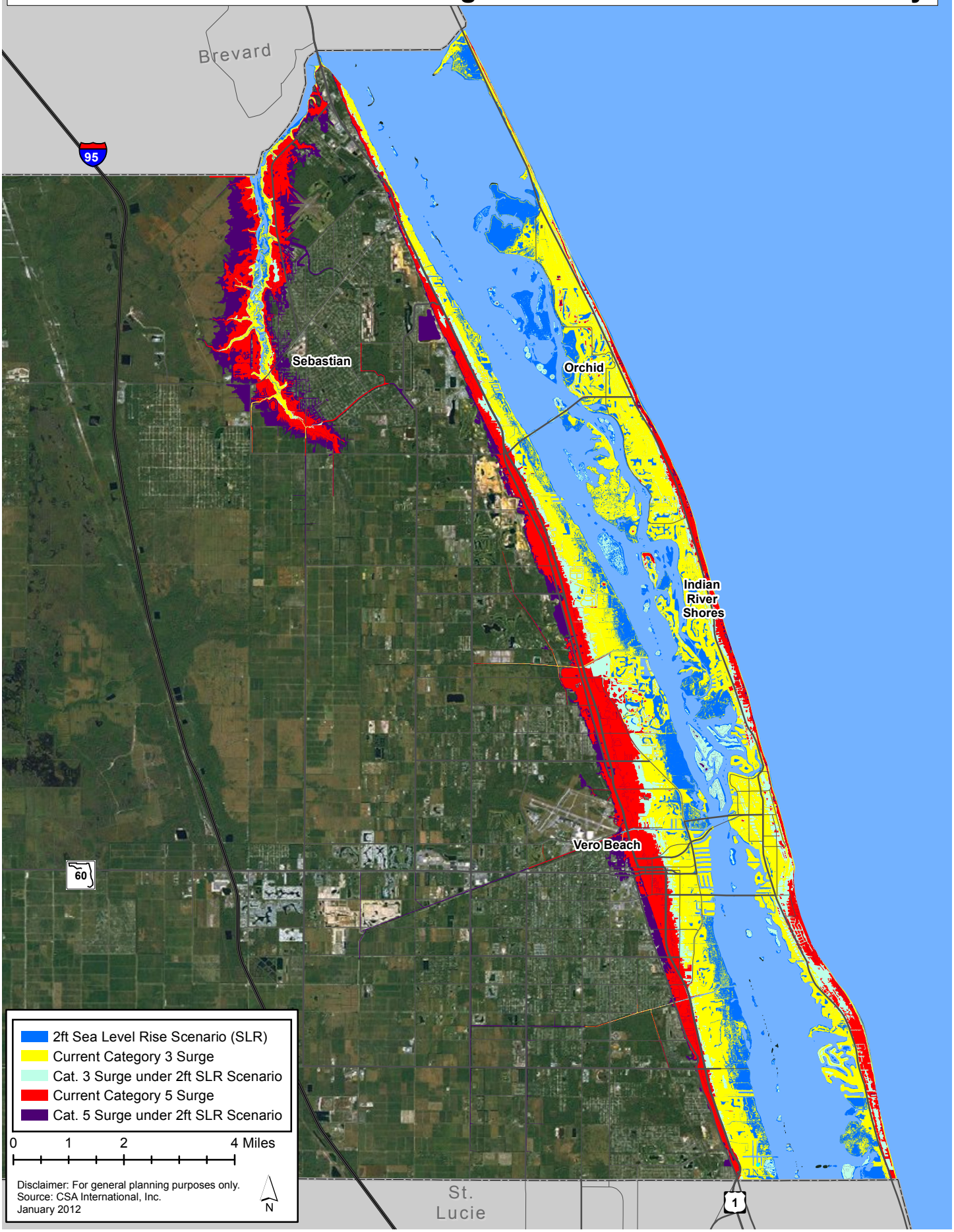



Distribution of Minority Population,
St. Lucie County 2010 Census Blocks
% Minority Pop.
0.0 - 12.1
12.2 - 33.6
33.7 - 54.2
54.3 - 80.4
80.5 - 100.0
N
0 1.25 2.5 5 Miles
Disclaimer: For general planning purposes only.
Source: 2010 Census
CSA International, Inc. January 2012
Indi
95
1
FLORIDA'S TURNPIKE
St. Lucie Village
Fort Pierce
St. Lucie
70
Port St. Lucie
Martin
1

SEA LEVEL RISE VULNERABILITY MAPS

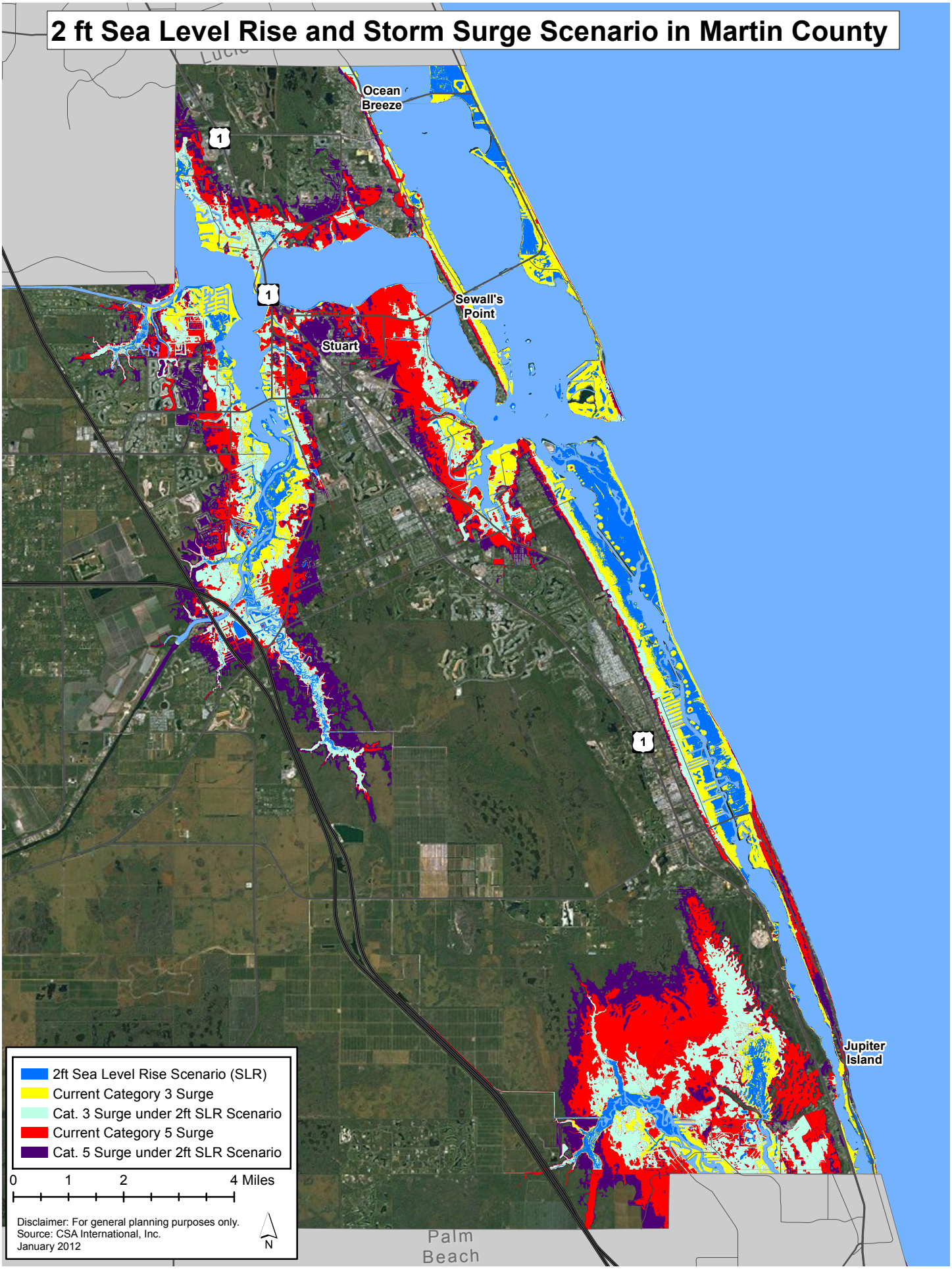
Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment

2 ft Sea Level Rise and Storm Surge Scenario in Indian River County



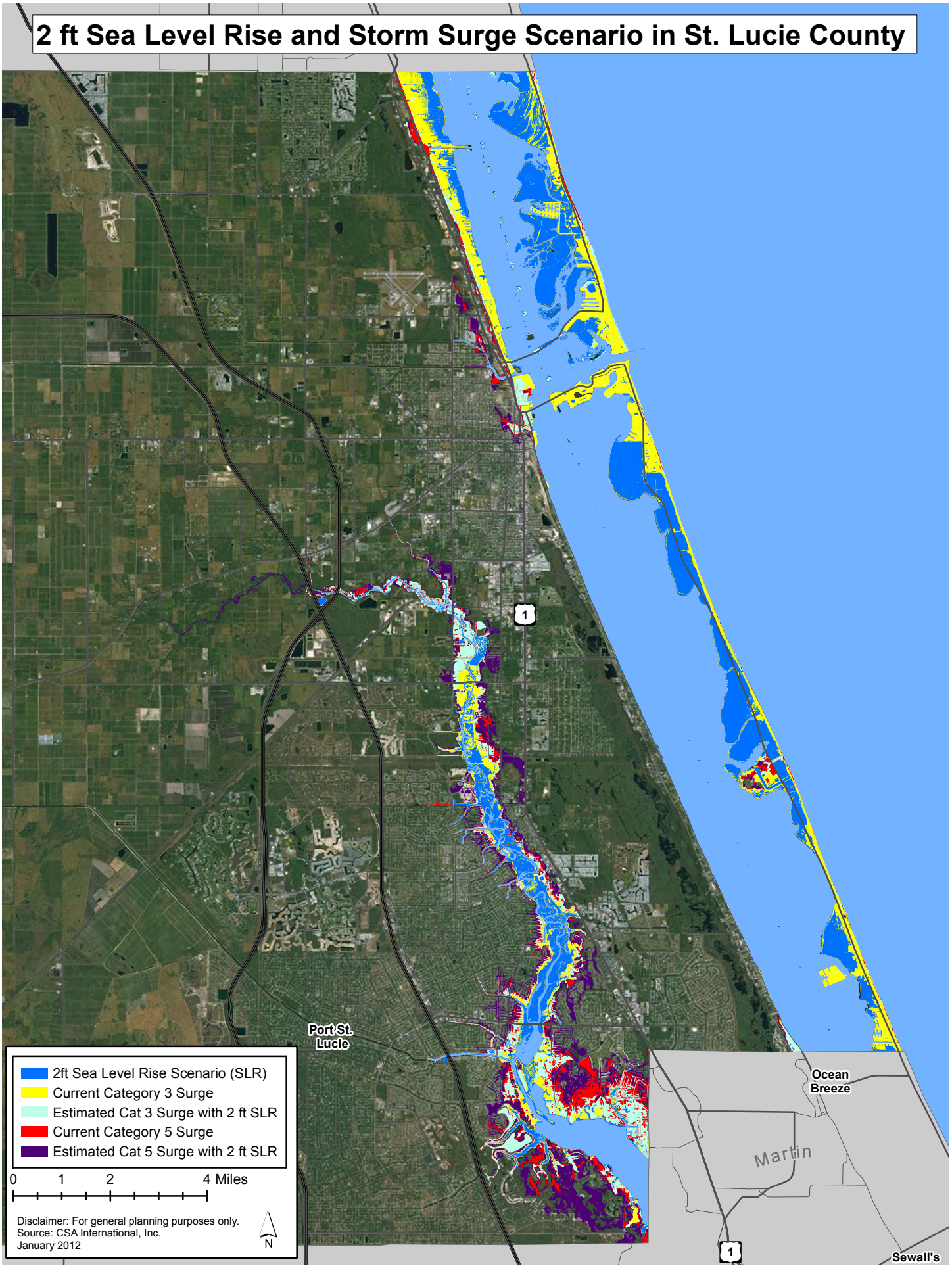
Disclaimer: For general planning purposes only.
Source: CSA International, Inc.
January 2012

2 ft Sea Level Rise and Storm Surge Scenario in Martin County



Disclaimer: For general planning purposes only.
Source: CSA International, Inc.
January 2012

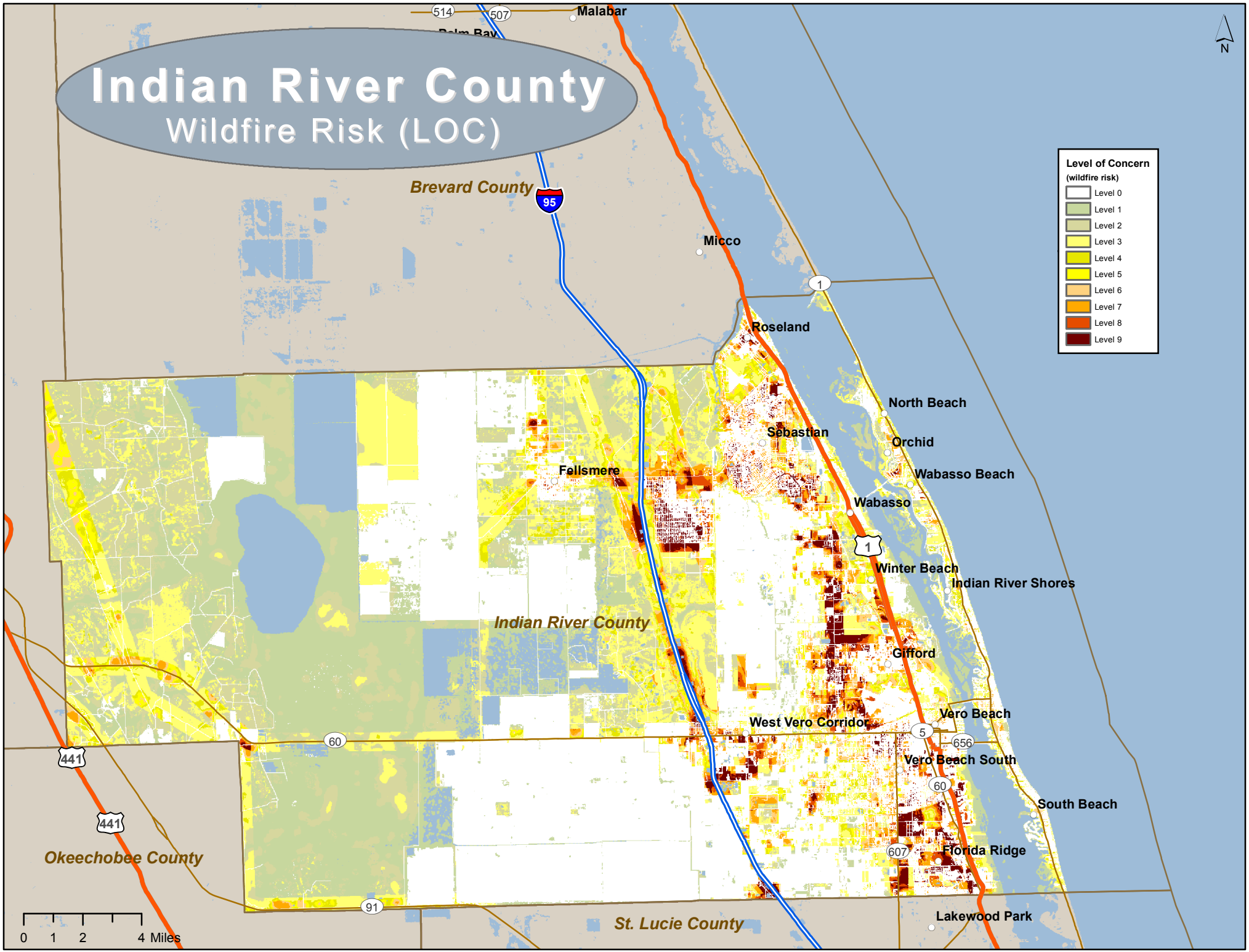
2 ft Sea Level Rise and Storm Surge Scenario in St. Lucie County



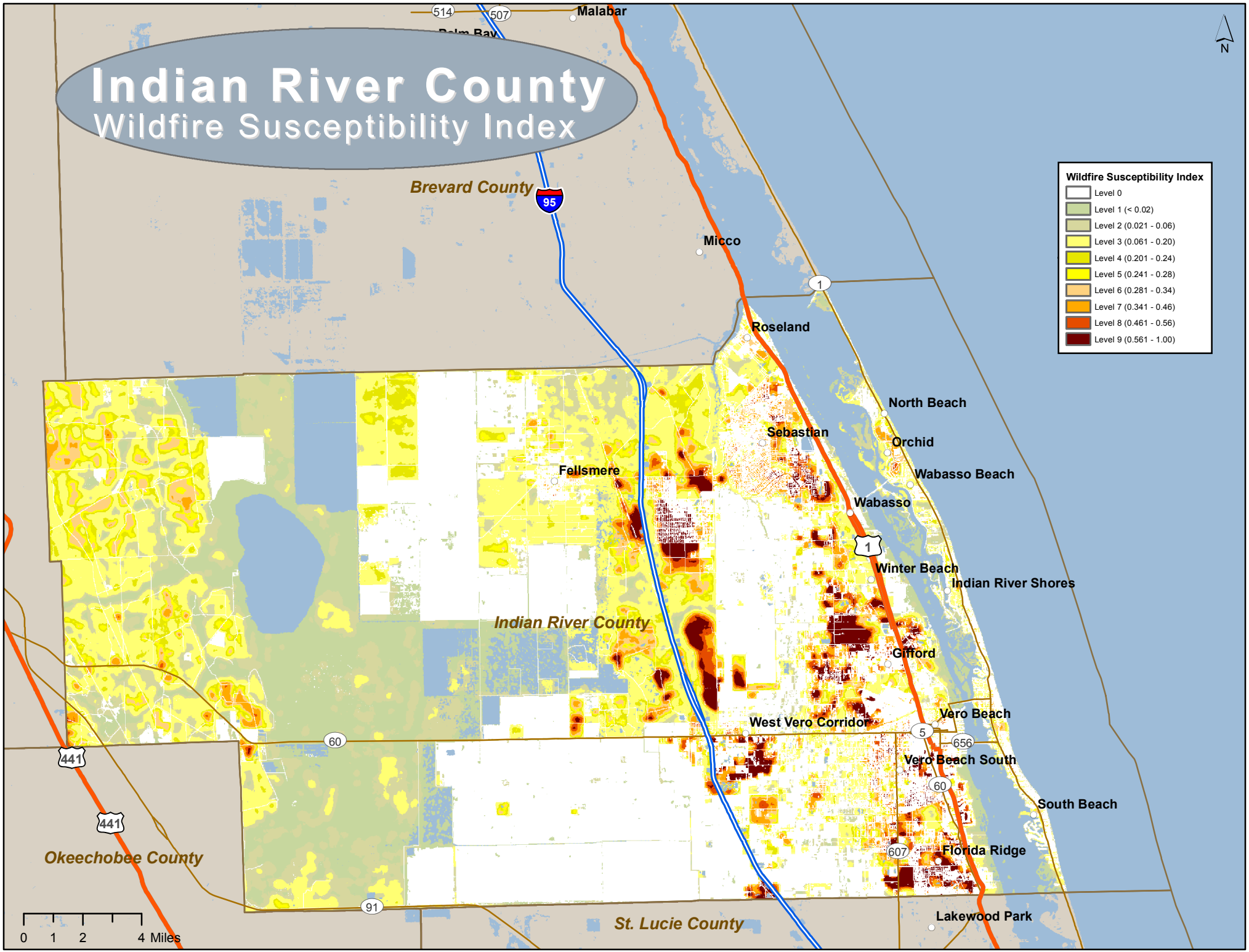
Disclaimer: For general planning purposes only.
Source: CSA International, Inc.
January 2012

WILDFIRE VULNERABILITY MAPS

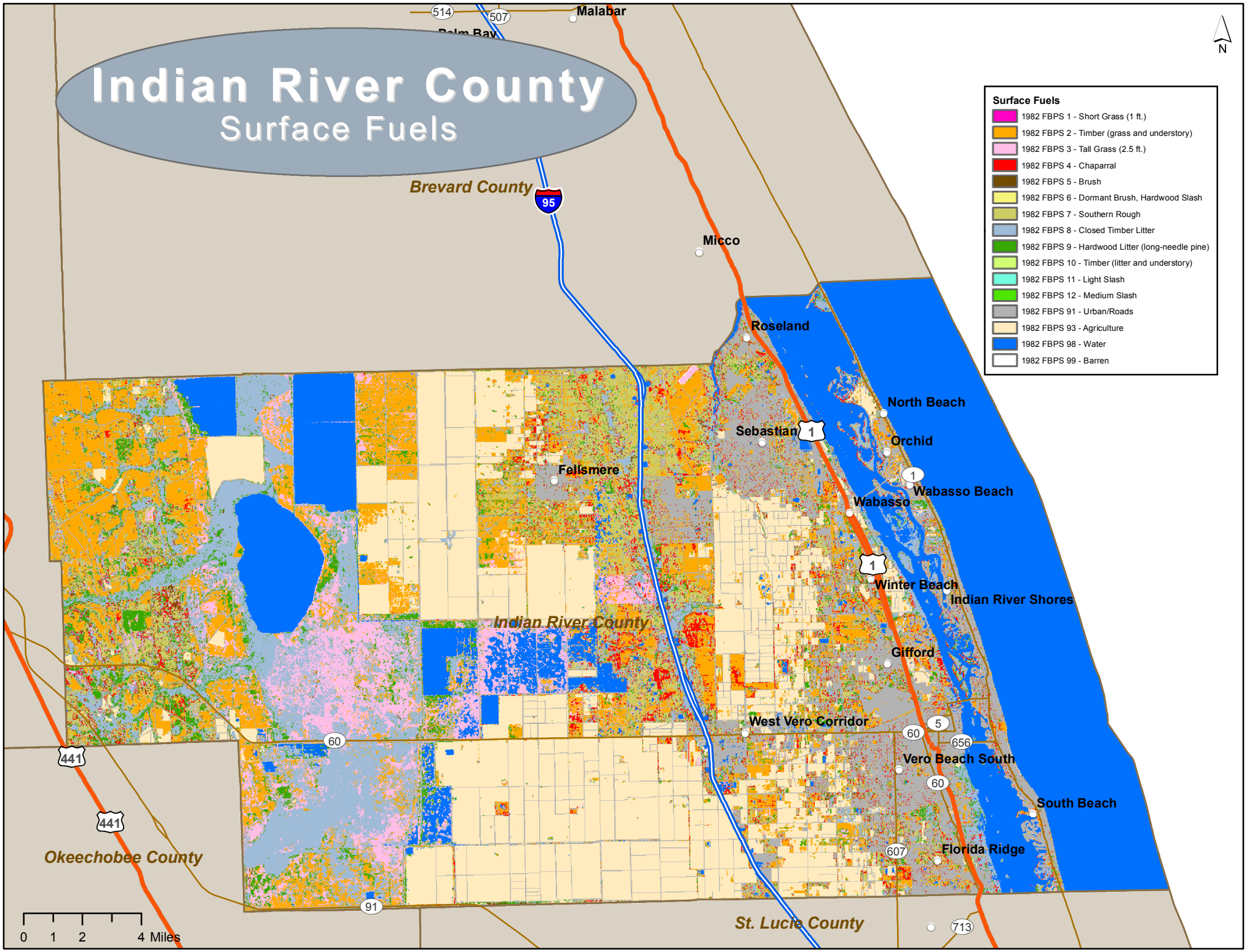
Treasure Coast Vulnerability Analysis for Post-Disaster Redevelopment



Sanborn Map Company, 2011



Sanborn Map Company, 2011



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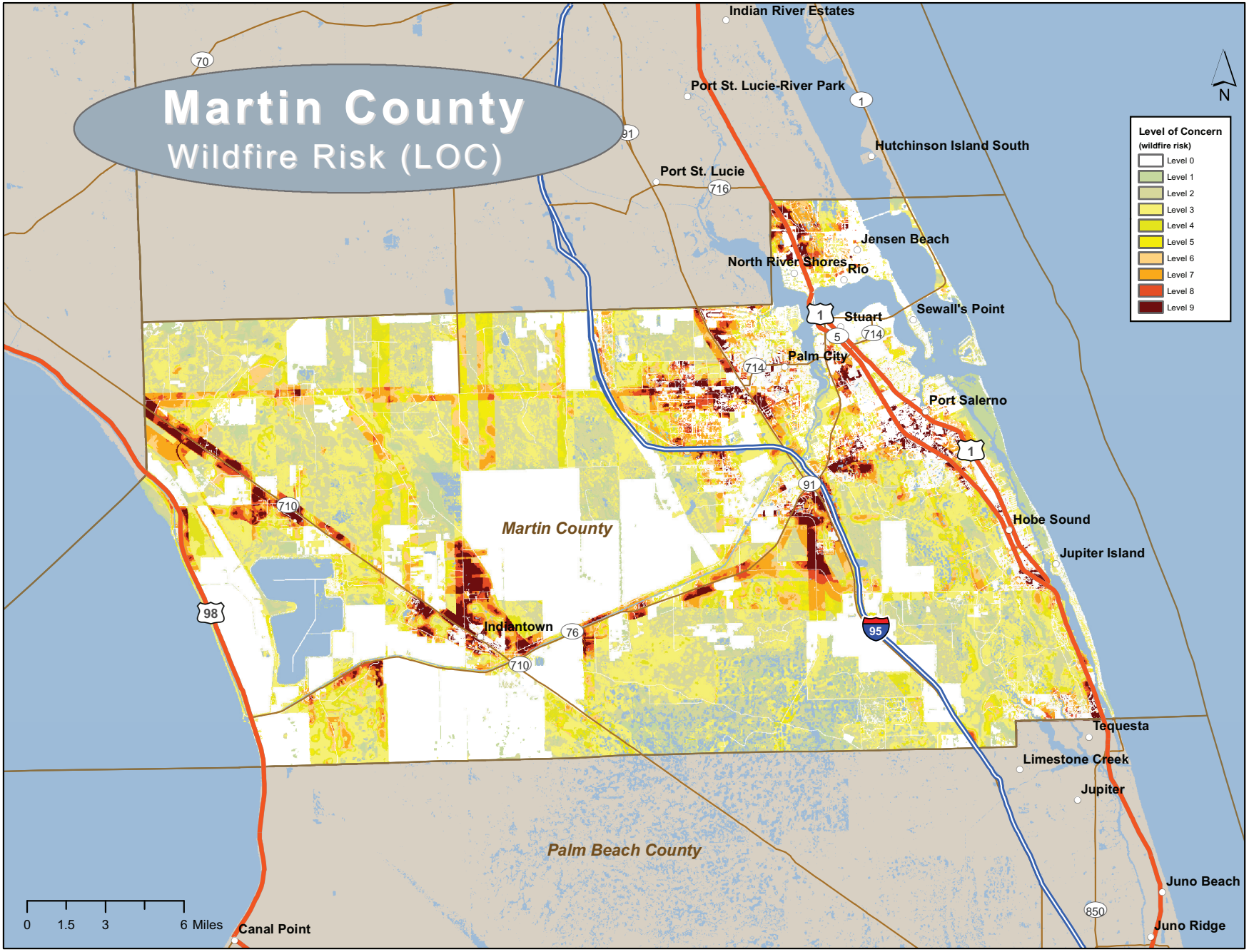

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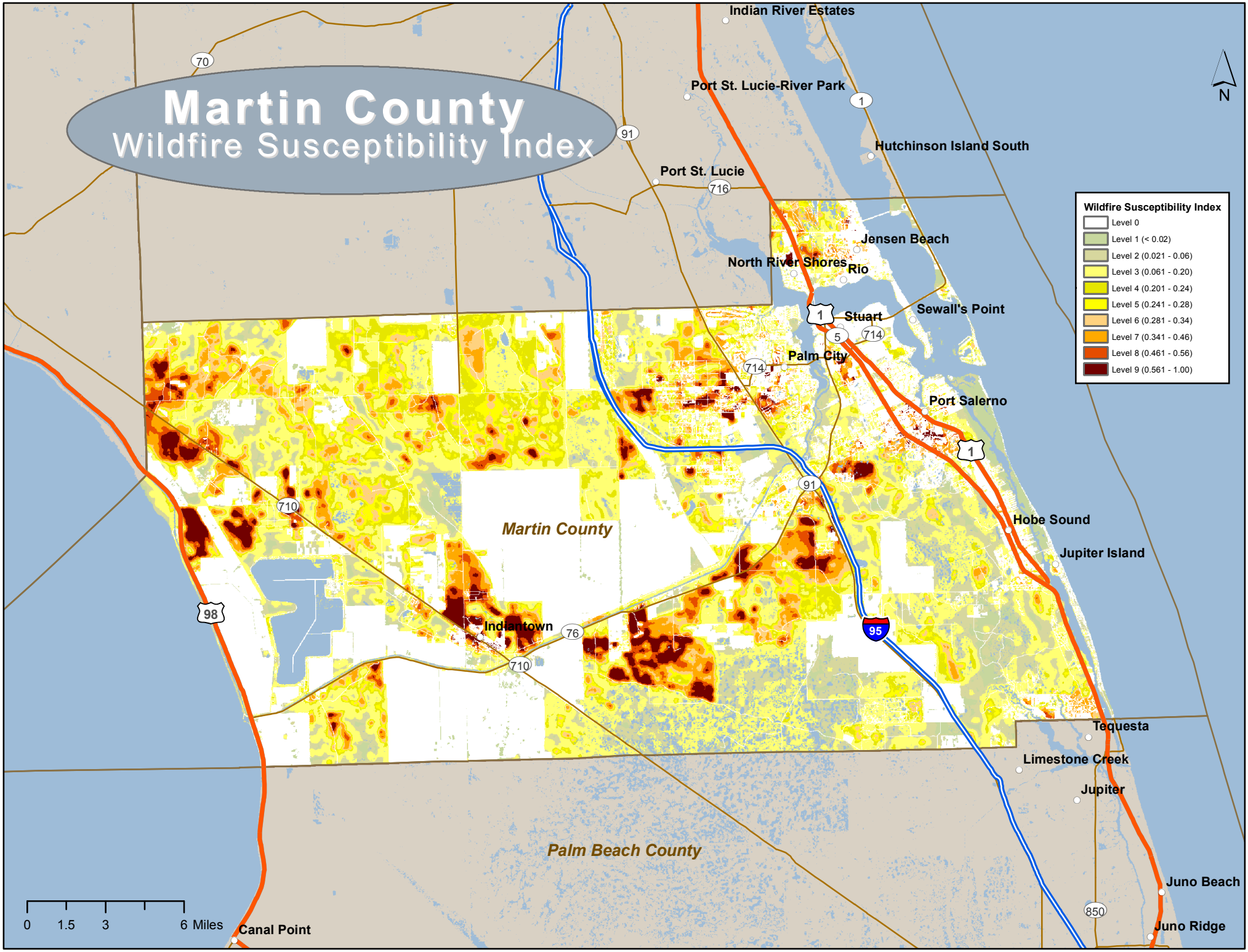

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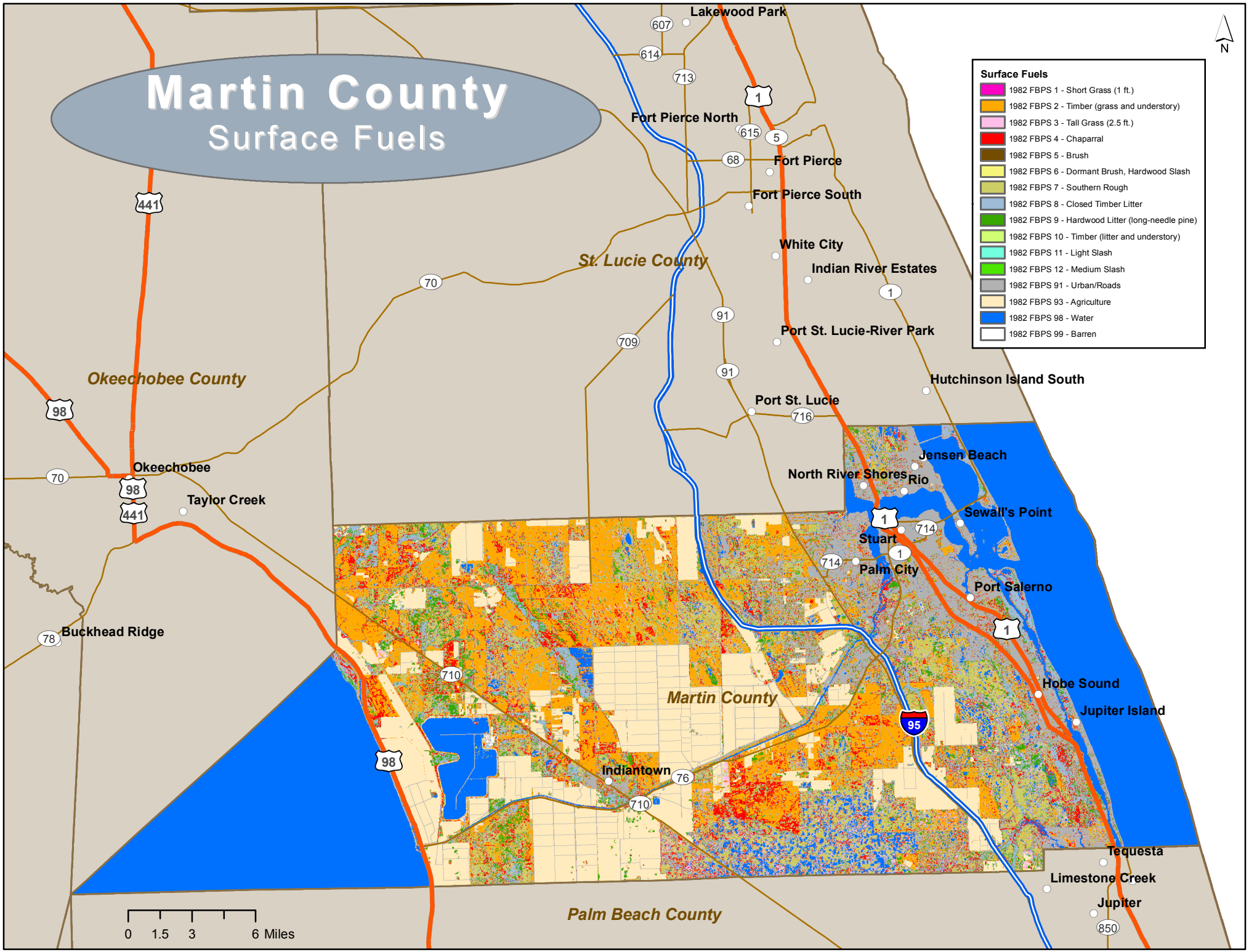

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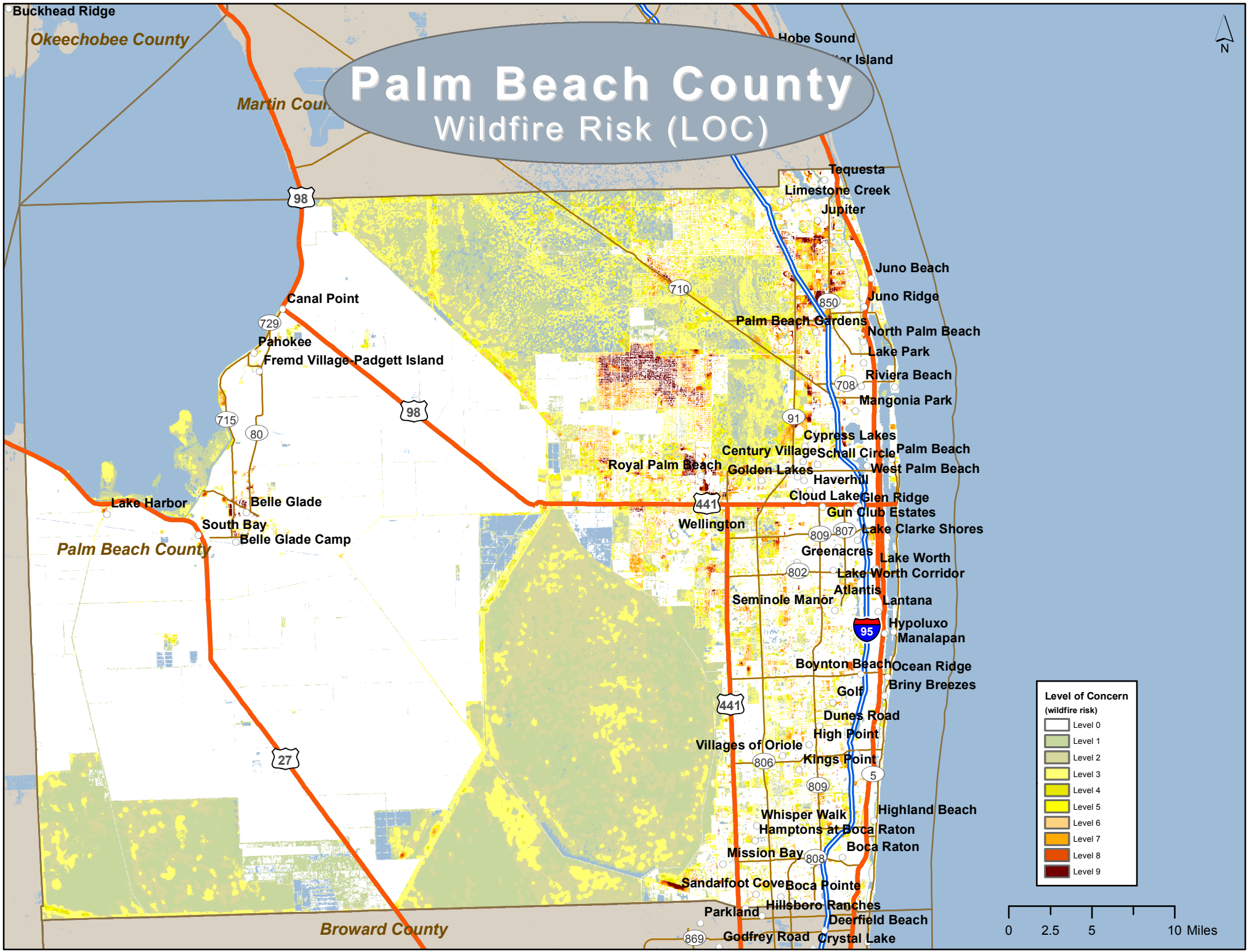

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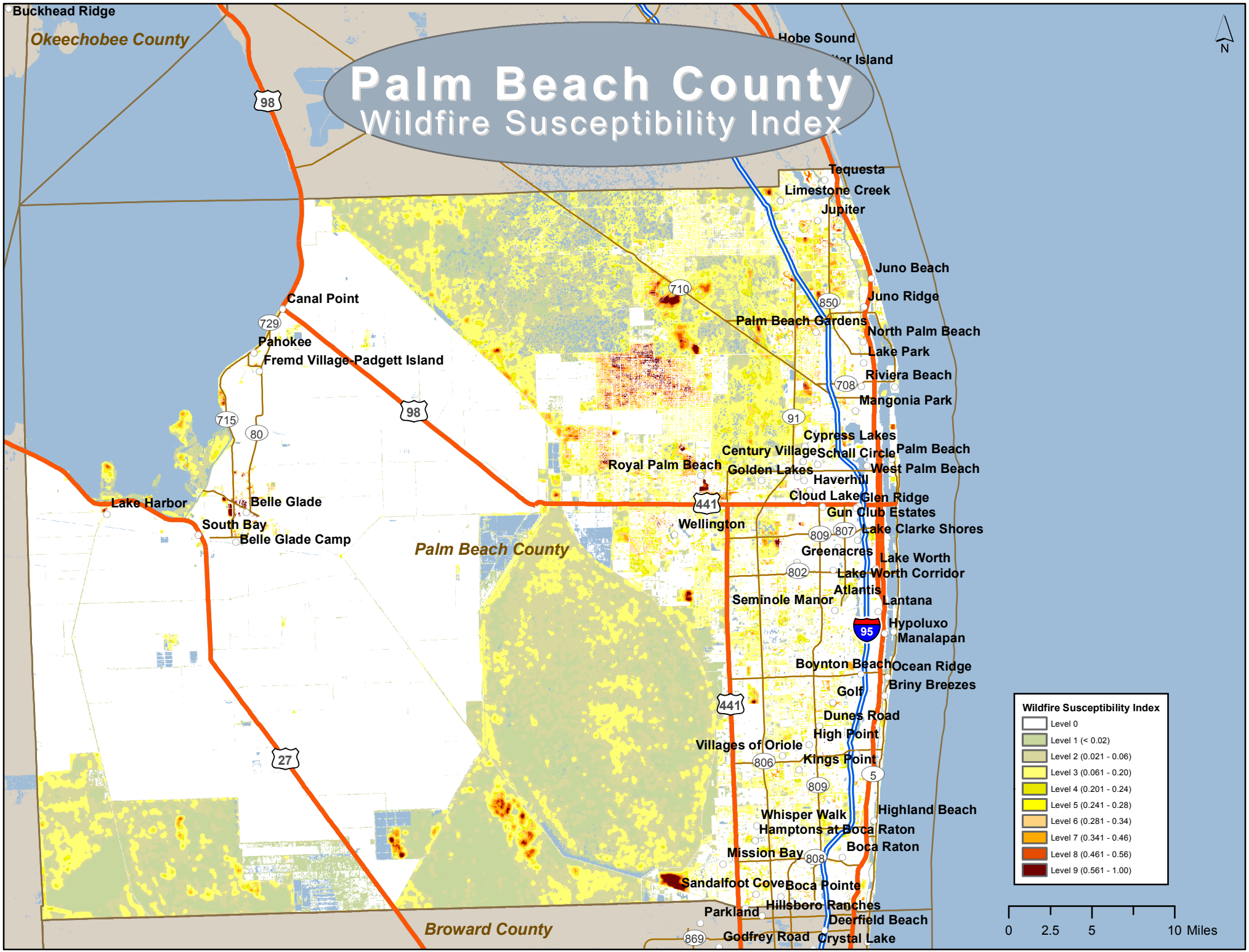
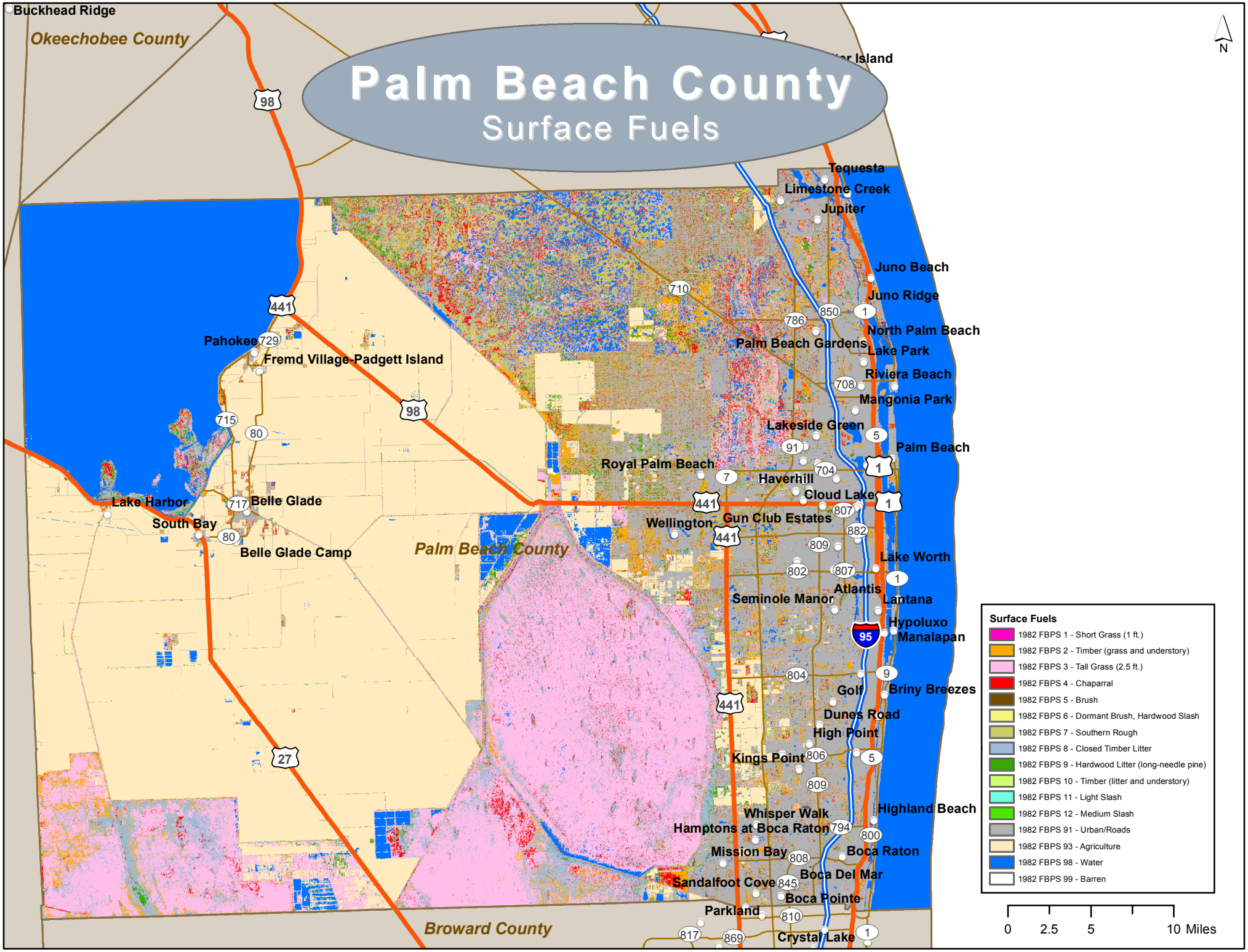
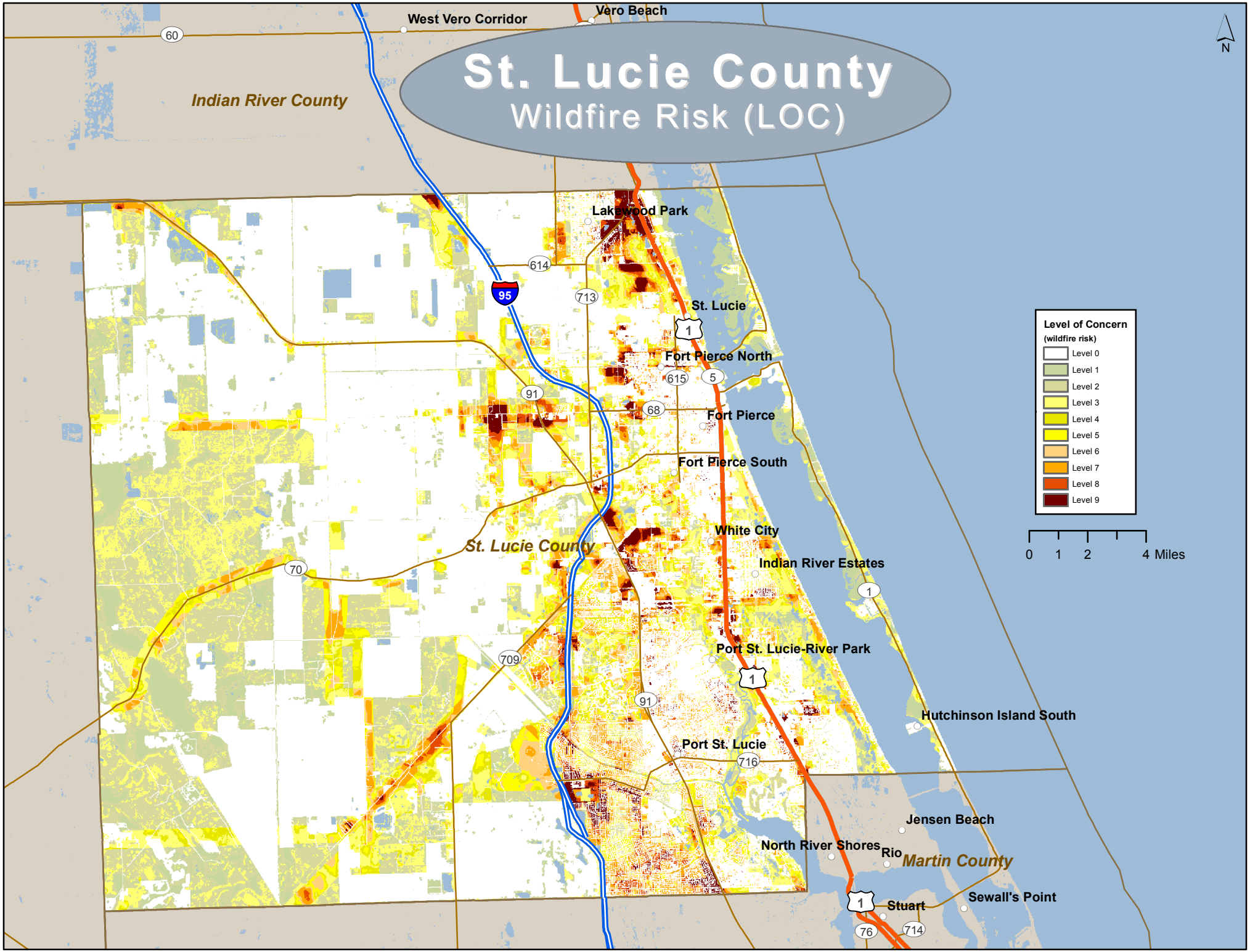


Sanborn Map Company, 2011



Sanborn Map Company, 2011



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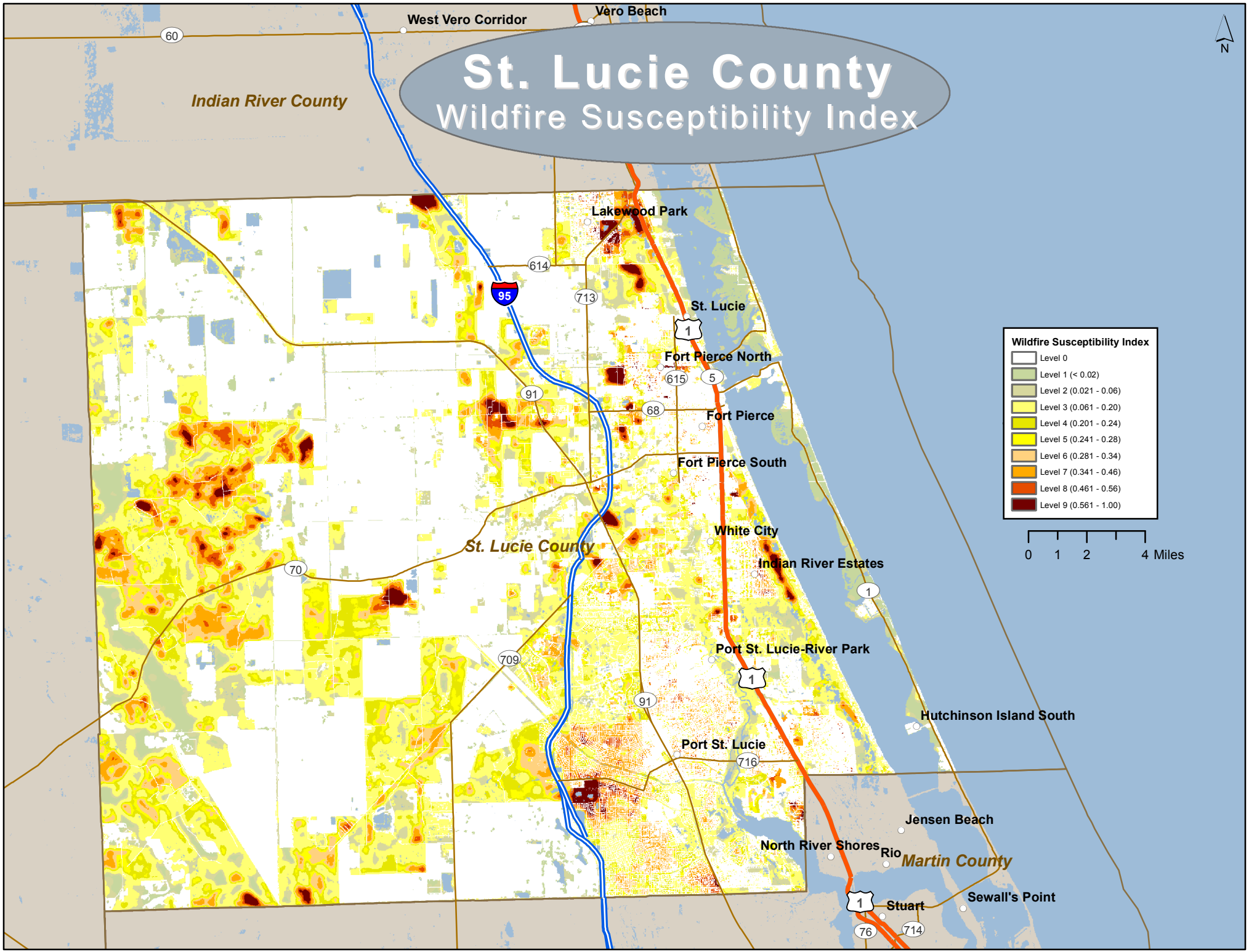

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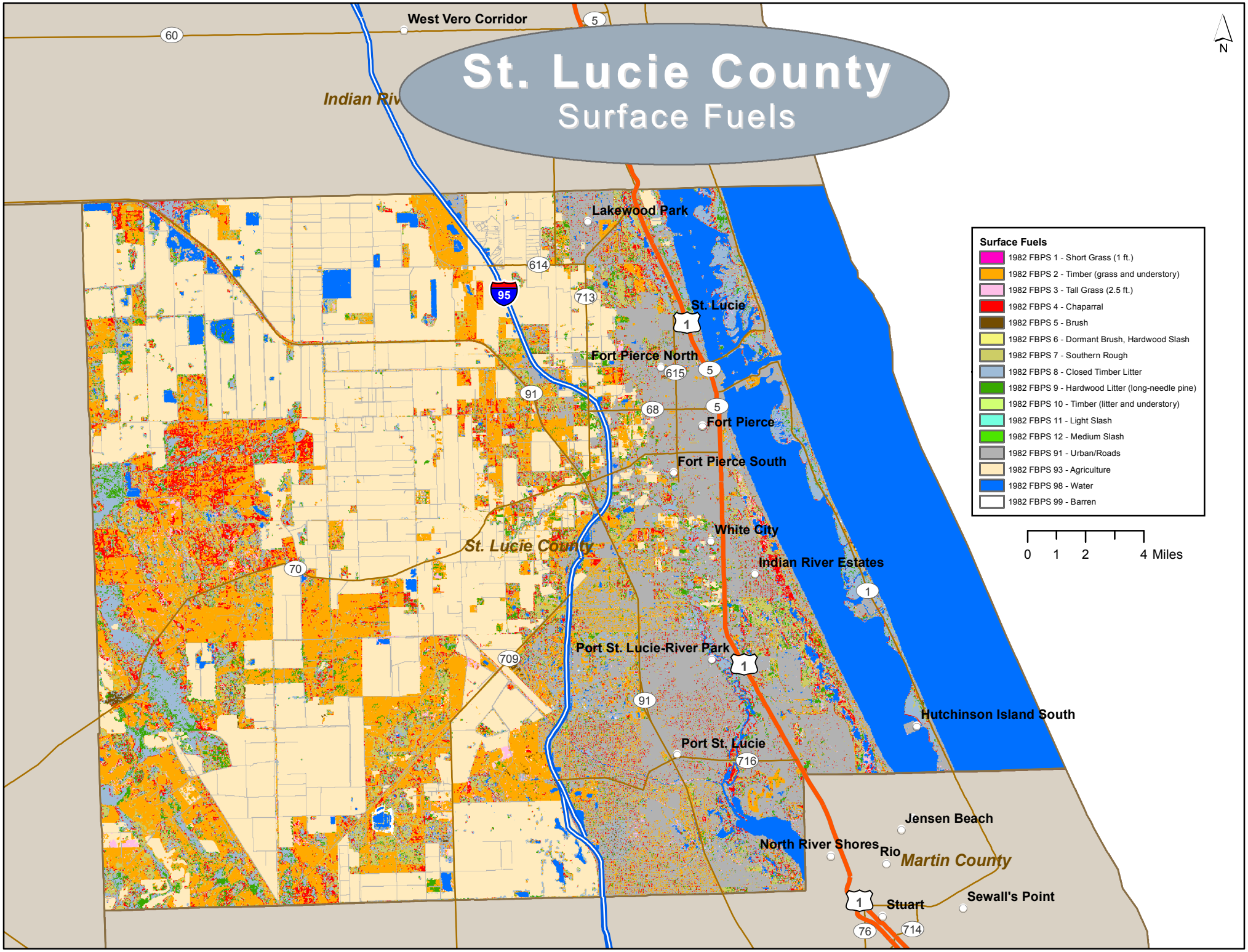

Sanborn Map Company, 2011