

**VOLUME 1**

**STATEWIDE REGIONAL EVACUATION  
STUDY PROGRAM**

**CENTRAL FLORIDA REGION**

**CHAPTER IV**

**REGIONAL VULNERABILITY AND  
POPULATION ANALYSIS**

**APPENDIX IVD**

**OKEECHOBEE COUNTY  
CRITICAL FACILITIES  
VULNERABILITY ANALYSIS**



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## APPENDIX IVD OKEECHOBEE COUNTY CRITICAL FACILITIES VULNERABILITY ANALYSES

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## A. Introduction

This appendix provides a County Economic Profile, Vulnerability Profile and a more detailed vulnerability analysis of critical facilities and corresponding maps for DeSoto County.

## B. County Profile

This section of the report, and the data contained herein, is provided to capture a profile of Okeechobee County including geographic and economic characteristics not previously discussed in Chapter I. In addition, many of the critical infrastructure partners including private sector and public utilities are identified.

# Okeechobee County Profile

Visit [eFlorida.com](http://eFlorida.com) to learn more.

## GEOGRAPHY

**County Seat:** Okeechobee  
**Nearest MSA:** Fort Pierce-Port St. Lucie  
**Time Zone:** Eastern  
**Local Area Code(s):** (863)  
**Largest Cities:** Okeechobee

**Miles\* To:**

Tallahassee .....	305
Orlando .....	93
Tampa .....	112
Jacksonville .....	218
Miami .....	111
Atlanta .....	499
Chicago .....	1,081
Dallas .....	1,031
New York .....	1,010

\*Miles are calculated from county seat



**POPULATION**

	Okeechobee	Florida
<b>1980:</b>	20,264	9,746,961
<b>1990:</b>	29,627	12,938,071
<b>2008:</b>	40,358	18,328,340
<b>2015(p):</b>	42,600	20,055,900
<b>2030(p):</b>	48,200	23,979,000

\* (p) Denotes Projected Population

**CLIMATE**

Average Temperature	High	Low
January:	73	49
July:	93	72

**Florida Mean Annual Precipitation.....53**  
**Average Annual Rain Days .....127**

**PER CAPITA PERSONAL INCOME**

	Okeechobee	Florida
<b>2005</b>	\$21,440	\$34,709
<b>2006</b>	\$22,830	\$37,099
<b>2007</b>	\$23,784	\$38,417

**MIGRATION**

<b>(2008)</b>	
<b>In-Migration</b>	1,707
<b>Out-Migration</b>	1,851
<b>Net-Migration</b>	-144

\* Estimates based on IRS  
 Statistics of Income data

**LABOR FORCE**

<b>(2009)</b>	
<b>Labor Force</b>	18,251
<b>Labor Force % of County Population</b>	45.2
<b>Number in County Unemployed</b>	2,196
<b>Unemployment Rate</b>	12.0%

\* Monthly labor force data are available from the  
[Florida Agency for Workforce Innovation](#).

**MEDIA**

**Local Radio Stations:**

WOKC 1570 AM

**Local Television Stations:**

none listed

**Locally Printed Newspapers:**

Okeechobee News  
 Okeechobee Times

**FINANCIAL INSTITUTIONS**

<b>Number of Banks:</b>	7
<b>Number of Savings and Loans:</b>	2
<b>Number of Credit Unions:</b>	1

**STATE AND LOCAL TAXATION**

<b>COUNTY</b>	
<b>Countywide Ad Valorem Millage Rates:</b>	
<b>Government</b>	5.8043
<b>Schools</b>	7.7770
<b>Special</b>	1.0816
<b>Total</b>	14.6629
<b>Ad Valorem Tax Exemption:</b>	Yes
<b>Retail Sales Tax (Local Option)</b>	1.00
Federal Enterprise Zone	No
State Enterprise Zone	EZ-4701

<b>STATE</b>	
<b>Corporate Income Tax</b>	5.5%
<b>Personal Income Tax</b>	0.0%
<b>Retail Sales Tax</b>	6.0%

**EMPLOYMENT BY INDUSTRY**

	Okeechobee	Florida
<b>(2008)</b>		
<b>Average Annual Employment</b>	10,406	7,945,162
<b>Natural Resources &amp; Mining</b>	11.4%	1.2%
<b>Construction</b>	8.1%	6.5%
<b>Trade, Transportation and Utilities</b>	20.6%	20.5%
<b>Manufacturing</b>	2.5%	4.7%
<b>Information</b>	1.0%	2.0%
<b>Other Services</b>	2.3%	3.2%
<b>Public Administration</b>	9.5%	5.9%
<b>Unclassified</b>	N/D	
<b>Leisure &amp; Hospitality</b>	9.7%	11.9%
<b>Education &amp; Health Services</b>	15.7%	19.4%
<b>Professional &amp; Business Services</b>	6.9%	14.4%
<b>Financial Activities</b>	3.1%	6.6%
<b>Average Annual Wage</b>		
<b>(2008)</b>		
<b>All Industries</b>		\$30,293
<b>Construction</b>		\$29,952
<b>Education &amp; Health Services</b>		\$34,412
<b>Financial Activities</b>		\$34,079
<b>Information</b>		\$37,902
<b>Leisure &amp; Hospitality</b>		\$14,738
<b>Manufacturing</b>		\$36,218
<b>Natural Resources &amp; Mining</b>		\$25,666
<b>Other Services</b>		\$25,397
<b>Professional &amp; Business Services</b>		\$35,167
<b>Public Administration</b>		\$36,861
<b>Trade, Transportation and Utilities</b>		\$27,844
<b>Unclassified</b>		N/D

\*N/D = No Data

**EXISTING EMPLOYMENT**

**Major Private Sector Employers**

<b>Columbia Raulerson Hospital</b>	
<b>Business Line:</b> Healthcare	
<b>Number of Employees</b> .....	365
<b>Walpole, Inc.</b>	
<b>Business Line:</b> Trucking	
<b>Number of Employees</b> .....	300
<b>Larson Dairy, Inc.</b>	
<b>Business Line:</b> Milk Producer	
<b>Number of Employees</b> .....	225
<b>McArthur Farms, Inc.</b>	
<b>Business Line:</b> Milk Producer	
<b>Number of Employees</b> .....	160
<b>Okeechobee Healthcare</b>	
<b>Business Line:</b> Healthcare	
<b>Number of Employees</b> .....	140
<b>Bank of America</b>	
<b>Business Line:</b> Banking	
<b>Number of Employees</b> .....	93
<b>Advanced Panch Technologies, Inc.</b>	
<b>Business Line:</b> Prefab Buildings	
<b>Number of Employees</b> .....	70

**TRANSPORTATION**

<b>Federal Interstates</b>	I-95	<b>Nearest Airport with Scheduled Commercial Airline Service:</b>	
<b>Federal Highways</b>	US-98		Palm Beach International
	US 441	<b># Runways</b>	3
<b>State Highways</b>	SR 70	<b>Longest Paved Runway (ft.)</b>	7989
	SR-710	<b>General Aviation Airports</b>	Okeechobee County
	FL Turnpike	<b>Local Deep Water Port</b>	Port of Ft. Pierce
<b>Railroads</b>	CSX		Port of Palm Beach
	Amtrak	<b>Miles to Closest Port</b>	35

**COMMERCIAL/INDUSTRIAL SERVICES**

**Electric Companies:**

Florida Power Corporation  
 Glades Electric Co-Op, Inc.  
 Florida Power & Light

**Natural Gas Companies:**

None

**Telephone Companies:**

Embarq

**Water & Sewer Companies:**

Okeechobee Utility Authority

<b>Existing Industrial Zoned Land</b>	Yes
<b>Number of Acres</b>	450
<b>Largest Available Contiguous Parcel</b>	350
<b>Industrial Parks</b>	Yes
<b>Number of Acres</b>	100
<b>Largest Available Contiguous Parcel</b>	21
<b>Foreign Trade Zones</b>	No
<b>Zone Number(s)</b>	

**EDUCATION**

	<b>Public Schools</b>	<b>Teachers</b>	<b>Enrollments</b>
<b>Elementary:</b>	151	193	3,405
<b>Secondary:</b>	78	151	3,633
<b>Totals:</b>	229	344	7,038

**Private Schools Available: No**

**POST SECONDARY EDUCATION SERVING THE COUNTY:**

**Colleges/Universities:**

Indian River State College  
 Florida Atlantic University

**Junior/Community Colleges:**

None

**Vocational/Technical Schools:**

Dixon Hendry Center

**Other Schools:**

None

**QUALITY OF LIFE**

**Cost of Living  
 Price Level Index, (2007)  
 Florida State Average = 100**

	<b>Sample</b>
<b>Total</b>	91.72
<b>Food</b>	103.67
<b>Housing</b>	81.17
<b>Medical Care</b>	103.63
<b>Personal Goods and Services</b>	97.61
<b>Transportation</b>	98.05

**Medical Services:**

Columbia Raulerson Hospital  
 Okeechobee Health Care

**Recreational Opportunities:**

Biking  
 Birding  
 Boating  
 Fishing  
 Hunting

**Historical Points Of Interest:**

County Courthouse  
 Okeechobee Battlefield

**Cultural Events/Festivals:**

Arts & Crafts Fair  
 County Fair  
 Lighted Christmas Parade  
 Rodeo  
 Speckled Perch Festival

**Source:**

Enterprise Florida, Inc.  
 800 North Magnolia Avenue, Suite 1100  
 Orlando, Florida 32803  
 Phone: (407) 956-5600  
 Fax: (407) 956-5599  
 Visit us on the World Wide Web: <http://www.eflorida.com>

## C. County Vulnerable Population Profile

### County Vulnerable Population Profile County: Okeechobee

#### Demographic Indicators

2009 County Population Estimate<sup>1</sup> - 39,419

65-84 Population<sup>1</sup> - 5,901

85+ Population<sup>1</sup> - 890

Live Births (3yr count)<sup>1</sup> - 1,852

% of Population 65+ - 17%

#### Economic Indicators

Population Below Poverty<sup>1</sup> - 6,221

Food Stamp Recipients<sup>7</sup> - 4,771

WIC Enrollment<sup>1</sup> - 1,934

Average Monthly Medicaid Enrollment<sup>1</sup> - 4,238

Uninsured (Under 65)<sup>1</sup> - 8,186

#### Vulnerability Indicators

Population with 1 or more disabilities<sup>2</sup> - 8,639

% of Population with 1 or more disabilities - 22%

Elders Living Alone<sup>8</sup> - 1,838

Estimated Homeless<sup>7</sup> - 112

Children in Foster Care<sup>7</sup> - 89

Developmentally Disabled<sup>4</sup> - 123

Seriously Mentally Ill Adults<sup>7</sup> - 1,581

Brain &/or Spinal Cord Injured Clients<sup>5</sup> - 6

Estimated Oxygen Dependent Clients - 584

Elders with Dementia<sup>8</sup> - 1,154

CMS Clients<sup>6</sup> - 260

Medical Foster Care Children<sup>7</sup> -

Dialysis Clients<sup>3</sup> - 43

Seriously Emotionally Disturbed Children<sup>7</sup> - 773

#### Data Sources

<sup>1</sup> Department of Health Office of Planning, Data Analysis and Evaluation

<sup>2</sup> US Census Data

<sup>3</sup> Florida End Stage Renal Disease Network

<sup>4</sup> Agency for Persons with Disabilities

<sup>5</sup> Department of Health Brain and Spinal Cord Injury Program

<sup>6</sup> Department of Health Division of Children's Medical Services

<sup>7</sup> Department of Children and Families

<sup>8</sup> Department of Elder Affairs

Source: Florida Dept. of Health, 2010

## D. Critical Facility Vulnerability Analysis

Considerable staff resources were expended to update the critical facilities inventory. Specific attention was paid to health care facilities such as hospitals and nursing homes; emergency response agencies, hazardous materials, mobile home parks, schools and colleges and community centers. Where possible, communications resources and community infrastructure utilities such as water and waste-water facilities were located by latitude and longitude and overlaid on the storm tide limits map. Each facility has the name, location, lat/long coordinates, description, critical code and results of the 2010 surge analysis based on the most accurate topographic data and the SLOSH model.

The Critical Facility Inventory (Data base) includes a comprehensive list of critical facilities identified by the State and County Emergency Management Agencies. This inventory is not published as part of the report. However, selected facilities which may require evacuation or mitigation are identified in the tables and maps which follow. The tables indicate vulnerability from storm surge (based on the SLOSH model), freshwater flooding (based on the FEMA Flood Maps) and wildfire (Wildfire Interface/Levels of Concern).

The two illustrations below identify the potential storm surge heights on county landmarks. These illustrations are provided for public information purposes only.

**Table IVD-1  
Okeechobee County Health Care Vulnerability Assessment**

<b>FACILITY TYPE</b>	<b>NAME</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>ZIP CODE</b>	<b>ELEVATION</b>	<b>SURGE (Lake = 16ft)</b>	<b>SURGE (Lake = 20ft)</b>	<b>EVAC ZONE</b>	<b>FLOOD</b>	<b>FIRE</b>
Ambulatory Surgical Center	Surgery Center of Okeechobee, Inc.	1655 Highway 441 North	Okeechobee	34972	17	1	1	A	Out	N
End Stage Renal Disease	Renal Care Center of Okeechobee	201 SW 16 <sup>th</sup> Street	Okeechobee	34974	24	0	0	C	Out	N
Hospice	Hospice of Okeechobee, Inc.	411 SE 4 <sup>th</sup> Street	Okeechobee	34974	18	0	0	C	Out	N
Hospital	Raulerson Hospital	1796 Highway 441 North	Okeechobee	34972	24	0	0	C	Out	N
Clinical Laboratory	Florida Community Health Centers Lakeshore	308 NW Fifth Avenue	Okeechobee	34972	27	0	0	C	Out	N
Clinical Laboratory	Florida Community Health Center Lakeshore Pediatrics	1100 North Parrott Avenue	Okeechobee	34972	24	0	0	C	Out	N
Clinical Laboratory	Florida Community Health Centers Lake Shore	103 NE 19 <sup>th</sup> Drive	Okeechobee	34972	18	4	1	A	Out	N

FACILITY TYPE	NAME	ADDRESS	CITY	ZIP CODE	ELEVATION	SURGE (Lake = 16ft)	SURGE (Lake = 20ft)	EVAC ZONE	FLOOD	FIRE
Clinical Laboratory	Gateway Medical Group LLC	111 NE 19 <sup>th</sup> Drive	Okeechobee	34972	18	3	1	A	Out	N
Clinical Laboratory	Waters Edge Dermatology – Okeechobee	301 NE 19 <sup>th</sup> Drive	Okeechobee	34972	17	2	1	A	Out	N
Clinical Laboratory	Tim Ioannides, Md LLC	1924 Highway 441 North	Okeechobee	34974	16	1	1	A	Out	N
Clinical Laboratory	Raulerson Hospital Clinical Lab	1796 Highway 441 North	Okeechobee	34972	24	0	0	C	Out	N
Skilled Nursing Facility	Okeechobee Health Care Facility	1646 Highway 441 North	Okeechobee	34972	25	0	0	C	Out	N

**Table IVD-2  
Okeechobee County Other Critical Facilities Vulnerability Assessment**

<b>FACILITY TYPE</b>	<b>NAME</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>ZIP CODE</b>	<b>ELEVATION</b>	<b>SURGE (Lake = 16ft)</b>	<b>SURGE (Lake – 20ft)</b>	<b>EVAC ZONE</b>	<b>FLOOD</b>	<b>FIRE</b>
Radio Tower	W218BB		Okeechobee		20	0	0	B	Out	N
Radio Tower	W263BB		Okeechobee		30	0	0	C	Out	N
Radio Tower	WOKC		Okeechobee		17	0	0	A	Out	N
Radio Tower	WREH		Cypress Quarters		38	0	0	C	Out	N
Call Center	Okeechobee County Sheriff HQ	504 NW 4 <sup>th</sup> Street	Okeechobee	34972	30	0	0	C	Out	N
Fire Station	Buckhead Ridge Community Volunteer Fire Dept Company, Inc.	678 Highway 78 West	Okeechobee	34974	16	0	0	A	Out	N
Fire Station	Okeechobee County Fire Station 1	501 NW 5 <sup>th</sup> Street	Okeechobee	34972	29	0	0	C	Out	N
Fire Station	Okeechobee County Fire Station 2	3701 SE 38 <sup>th</sup> Avenue	Okeechobee	34974	20	0	0	A	Out	N
Fire Station	Okeechobee County Fire Station 3	31599 US Highway 441 North	Okeechobee	34972	51	0	0	C	Out	N

FACILITY TYPE	NAME	ADDRESS	CITY	ZIP CODE	ELEVATION	SURGE (Lake = 16ft)	SURGE (Lake – 20ft)	EVAC ZONE	FLOOD	FIRE
Fire Station	Okeechobee County Fire Station 4	1199 NW 168 <sup>th</sup> Street	Okeechobee	34972	30	0	0	C	Out	N
Fire Station	Okeechobee Fire Dept	55 SE 3 <sup>rd</sup> Avenue	Okeechobee	34974	27	0	0	A	Out	N
Law Enforcement	Okeechobee County Sheriff HQ	504 NW 4 <sup>th</sup> Street	Okeechobee	34972	30	0	0	C	Out	N
Law Enforcement	Okeechobee County Police Dept HQ	50 SE 2 <sup>nd</sup> Avenue	Okeechobee	34974	28	0	0	A	Out	N
Emergency Operations Center	Okeechobee County Emergency Management	499 NW Fifth Avenue	Okeechobee	34972	31	0	0	C	Out	N
Fuel Facility – DOT	Okeechobee Sub-Yard	500 NW 9 <sup>th</sup> Street	Okeechobee	34972	29	0	0	C	Out	N
Airport	Baggett Airpark		Okeechobee		25	0	0	A	Out	N
Airport	Citrus Hedging Ranch		Okeechobee		60	0	0	C	Out	N
Airport	Golden Land Ranch		Okeechobee		40	0	0	C	Out	N
Airport	Indian Hammock		Fort Drum		63	0	0	C	Out	N
Airport	Okeechobee County		Okeechobee		30	0	0	C	Out	N
Airport	Paxton		Okeechobee		65	0	0	C	Out	N
Airport	Recreation Corporation		Okeechobee		64	0	0	C	Out	N
Airport	River Acres		Okeechobee		32	0	0	C	Out	N

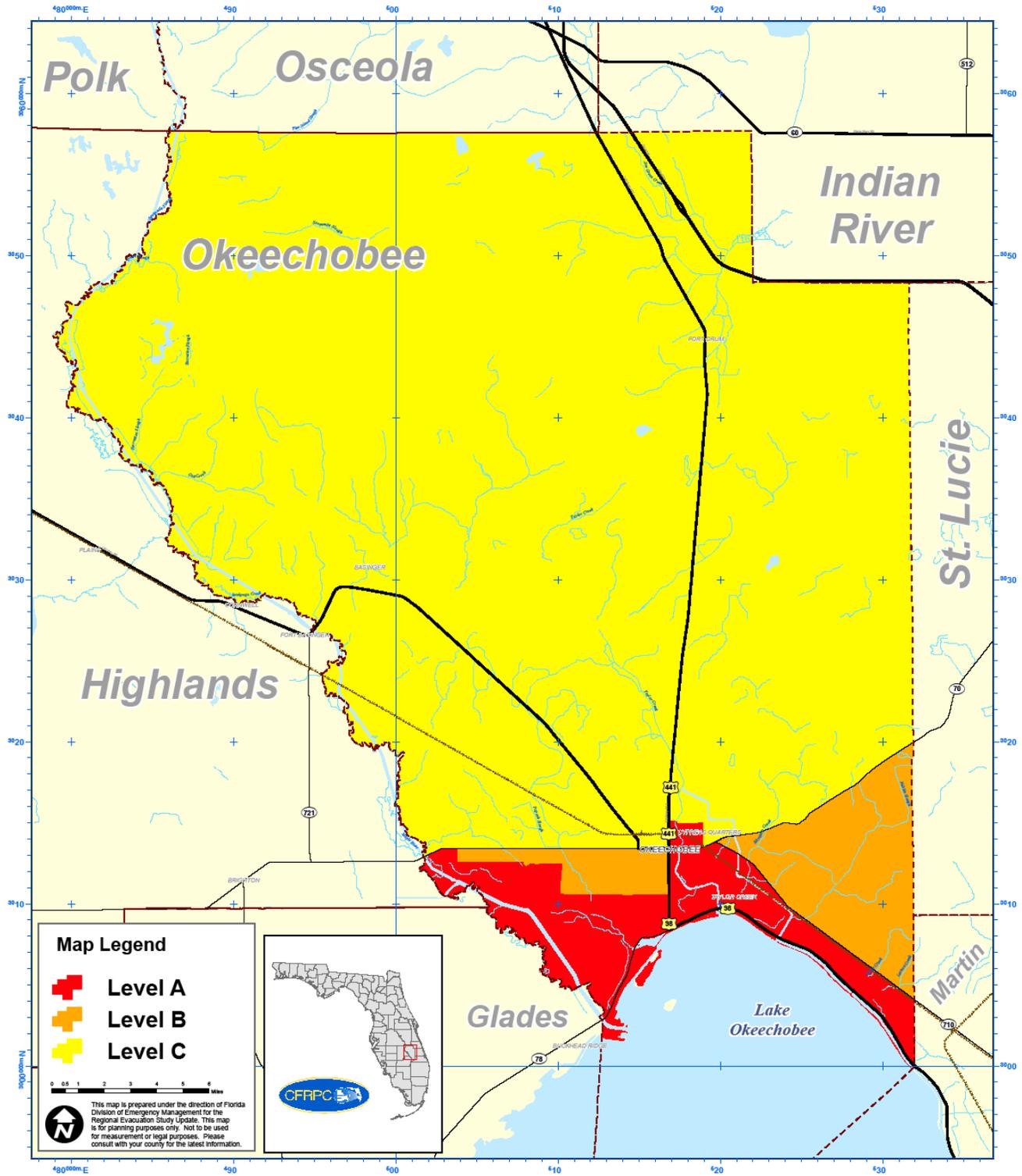
FACILITY TYPE	NAME	ADDRESS	CITY	ZIP CODE	ELEVATION	SURGE (Lake = 16ft)	SURGE (Lake – 20ft)	EVAC ZONE	FLOOD	FIRE
Airport	River Oak		Okeechobee		25	0	0	A	Out	N
Airport	Sunniland Ranch		Okeechobee		60	0	0	C	Out	N
Heliport - Helipad	HCA Raulerson Hospital	1796 Highway 441 North	Okeechobee	34972	26	0	0	C	Out	N
Correctional Facility	Okeechobee Correctional Institute	16800	Highway 441 North	34972	31	0	0	C	Out	N

# Okeechobee County

## Map IVD-1 Traffic Evacuation Zones



**Okeechobee County**  
**Map IVD-2 County Hurricane Evacuation Zones**



Source: USGS, Okeechobee County Emergency Management

Map Printed: June 2010

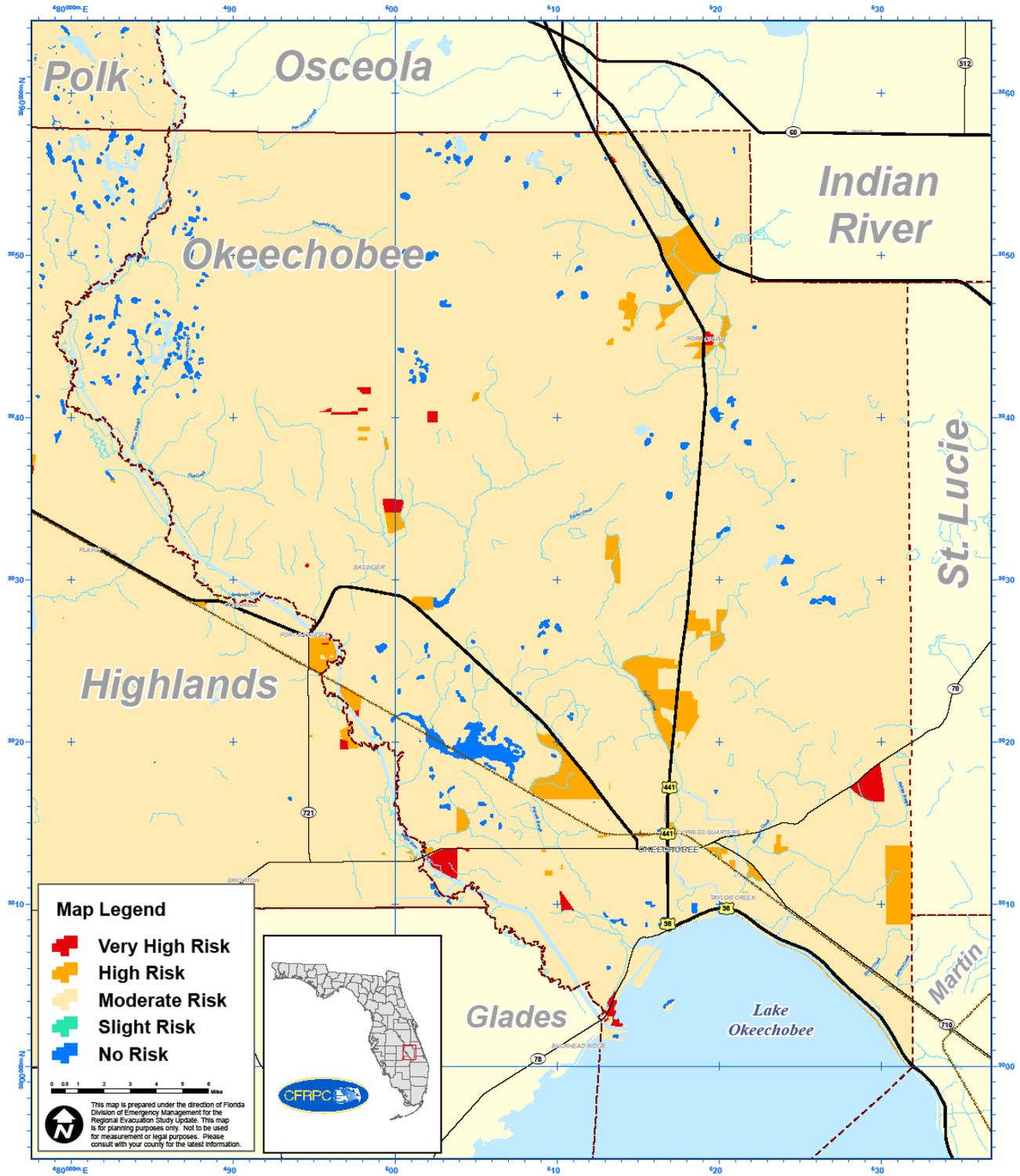
# Okeechobee County

## Map IVD-3 FEMA FIRM Floodplains



# Okeechobee County

## Map IVD-4 Wildland-Urban Interface Fire Risk



# Okeechobee County

## Map IVD-5 Mobile Home and RV Parks



Source: USGS, Florida Department of Health

Map Printed: June 2010

# Okeechobee County

## Map IVD-6 Health Care Facilities



Source: USGS, Florida Healthcare Association, Florida Division of Emergency Management

Map Printed: June 2010



# Okeechobee County

## Map IVD-7 Schools and Universities



Source: USGS, Florida Department of Education

Map Printed: June 2010

# Okeechobee County

## Map IVD-8 EOCs, Logistical and Military Resources, PODs



**Okeechobee County**  
**Map IVD-9 Communications Resources**



**Okeechobee County**  
**Map IVD-10 Critical Infrastructure (Water, Wastewater, Landfills, etc.)**





# Okeechobee County

## Map IVD-11 Public Evacuation Shelters 2010



Source: USGS, Okeechobee County Emergency Management, Florida Division of Emergency Management

Map Printed: June 2010

# Okeechobee County

## Map IVD-12 Routes Vulnerable to Freshwater Flooding



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