

VOLUME 1-7

STATEWIDE REGIONAL EVACUATION STUDY PROGRAM

CENTRAL FLORIDA REGION

CHAPTER IV

REGIONAL VULNERABILITY AND POPULATION ANALYSIS

APPENDIX IVA

DESOTO COUNTY CRITICAL FACILITIES VULNERABILITY ANALYSIS



THIS PAGE INTENTIONALLY LEFT BLANK

**APPENDIX IVA
DESOTO COUNTY
CRITICAL FACILITIES VULNERABILITY ANALYSES**

TABLE OF CONTENTS

A. IntroductionIVA-5
 B. County ProfileIVA-5
 C. Critical Vulnerable Population ProfileIVA-9
 D. Critical Facility Vulnerability AnalysisIVA-10

LIST OF TABLES

Table IVA-1 DeSoto County Health Care Vulnerability AssessmentIVA-11
 Table IVA-3 DeSoto County Other Critical Facilities Vulnerability AssessmentIVA-12

LIST OF MAPS

Map IVA-1 DeSoto County Traffic Evacuation ZonesIVA-14
 Map IVA 2 DeSoto County Hurricane Evacuation Zones with Traffice Evacuations AreasIVA-15
 Map IVA-3 DeSoto County Floodplan MapIVA-16
 Map IVA-4 DeSoto County Wildland-Urban InterfaceIVA-17
 Map IVA-5 Mobile Home Parks/RVs/Migrant HousingIVA-18
 Map IVA-6 Health Care FacilitiesIVA-19
 Map IVA-7 Schools and UniversitiesIVA-20
 Map IVA-8 Public Buildings, EOCs, Military Resources, PODsIVA-21
 Map IVA-9 Communication ResourcesIVA-22
 Map IVA-10 Critical Infrastructure (Water, Waste Water, Landfills, etc.)IVA-23
 Map IVA-11 Public Shelters, 2010IVA-24
 Map IVA-12 County Evacuation Routes Vulnerable To Freshwater FloodingIVA-25

THIS PAGE INTENTIONALLY LEFT BLANK

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 DeSoto 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.

DeSoto County Profile

Visit eFlorida.com to learn more.

GEOGRAPHY

County Seat: Arcadia
Nearest MSA: Punta Gorda MSA
Time Zone: Eastern
Local Area Code(s): (863)
Largest Cities: 1 - Arcadia

Miles* To:

Tallahassee	267
Orlando.....	95
Tampa	65
Jacksonville	217
Miami.....	146
Atlanta	475
Chicago.....	1,064
Dallas.....	972
New York	1,034

*Miles are calculated from county seat



POPULATION

	Desoto	Florida
1980:	19,039	9,746,961
1990:	23,865	12,938,071
2008:	33,991	18,328,340
2015(p):	36,600	20,055,900
2030(p):	41,800	23,979,000

* (p) Denotes Projected Population

CLIMATE

Average Temperature	High	Low
January:	71	49
July:	91	73

Florida Mean Annual Precipitation.....53
Average Annual Rain Days112

PER CAPITA PERSONAL INCOME

	Desoto	Florida
2005	\$18,599	\$34,709
2006	\$20,383	\$37,099
2007	\$21,100	\$38,417

MIGRATION

(2008)	
In-Migration	1,241
Out-Migration	1,609
Net-Migration	-368

* Estimates based on IRS
 Statistics of Income data

LABOR FORCE

(2009)	
Labor Force	14,970
Labor Force % of County Population	44.0
Number in County Unemployed	1,509
Unemployment Rate	10.1%

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

MEDIA

Local Radio Stations:

WZZS - 106.9 FM
 WFLN - Newsradio 1480 AM
 WZSP - 105.3 FM

Local Television Stations:

none listed

Locally Printed Newspapers:

DeSoto Sun Herald

FINANCIAL INSTITUTIONS

Number of Banks:	6
Number of Savings and Loans:	0
Number of Credit Unions:	2

STATE AND LOCAL TAXATION

COUNTY

Countywide Ad Valorem Millage Rates:

Government	10.0000
Schools	7.7820
Special	0.0450
Total	17.8270

Ad Valorem Tax Exemption: Yes

Retail Sales Tax (Local Option)

Federal Enterprise Zone No
 State Enterprise Zone EZ-1401

STATE

Corporate Income Tax	5.5%
Personal Income Tax	0.0%
Retail Sales Tax	6.0%

EMPLOYMENT BY INDUSTRY

	Desoto	Florida
(2008)		
Average Annual Employment	8,719	7,945,162
Natural Resources & Mining	16.5%	1.2%
Construction	5.9%	6.5%
Trade, Transportation and Utilities	24.1%	20.5%
Manufacturing	4.9%	4.7%
Information	0.5%	2.0%
Other Services	1.2%	3.2%
Public Administration	16.7%	5.9%
Unclassified	N/D	
Leisure & Hospitality	5.9%	11.9%
Education & Health Services	7.9%	19.4%
Professional & Business Services	4.4%	14.4%
Financial Activities	3.6%	6.6%

Average Annual Wage

	(2008)
All Industries	\$29,679
Construction	\$25,259
Education & Health Services	\$34,315
Financial Activities	\$33,000
Information	\$29,726
Leisure & Hospitality	\$14,246
Manufacturing	\$43,225
Natural Resources & Mining	\$22,203
Other Services	\$19,574
Professional & Business Services	\$32,760
Public Administration	\$34,419
Trade, Transportation and Utilities	\$27,468
Unclassified	N/D

*N/D = No Data

EXISTING EMPLOYMENT

Major Private Sector Employers

Wal-Mart Distribution Center Business Line: Distribution/Logistics	
Number of Employees	502
Wal-Mart Business Line: Retail	
Number of Employees	300
DeSoto Medical Hospital Business Line: Healthcare	
Number of Employees	290
Peace River Citrus Business Line: Citrus Juice	
Number of Employees	140
Bethel Farms Business Line: Lawn & Gardening Items Production	
Number of Employees	87
Sorrels Brothers Packing Co., Inc. Business Line: Citrus Harvesting & Packing	
Number of Employees	75
Winslow Lifecraft Business Line: Manufacturing of Lifecraft	
Number of Employees	75
First State Bank Business Line: Banking	
Number of Employees	58
Sun Bulb Company Business Line: Wholesale Orchid Nursery	
Number of Employees	54

TRANSPORTATION

Federal Interstates	I-75
Federal Highways	US-17
State Highways	SR 31
	SR-70
	SR 72
Railroads	CSX
	Seminole Gulf Railway

Nearest Airport with Scheduled Commercial Airline Service:	RSW (Punta Gorda Regional)
# Runways	2
Longest Paved Runway (ft.)	12000
General Aviation Airports	DeSoto County Airport
	Punta Gorda Airport
	Manatee Port Authority
Local Deep Water Port	
Miles to Closest Port	49

COMMERCIAL/INDUSTRIAL SERVICES

Electric Companies:

FPL
 PREC (Peace River Electric Cooperative)

Natural Gas Companies:

Florida Gas Transmission Co.

Telephone Companies:

Century Link

Water & Sewer Companies:

Lake Suzy Utilities
 Florida Water
 DeSoto County Water/Wastewater
 City of Arcadia Water/Wastewater

Existing Industrial Zoned Land	Yes
Number of Acres	4,876
Largest Available Contiguous Parcel	672
Industrial Parks	Yes
Number of Acres	8
Largest Available Contiguous Parcel	8
Foreign Trade Zones	No
Zone Number(s)	

EDUCATION

	Public Schools	Teachers	Enrollments
Elementary:	1	149	2,518
Secondary:	3	114	2,495
Totals:	4	263	5,013

Private Schools Available: No

POST SECONDARY EDUCATION SERVING THE COUNTY:

Colleges/Universities:

Florida Gulf Coast University
 Edison State College

Junior/Community Colleges:

South Florida Community College

Vocational/Technical Schools:

DeSoto County High School

Other Schools:

DeSoto County Adult Education Program
 DeSoto County Magnet School

QUALITY OF LIFE

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

	Sample
Total	91.16
Food	100.00
Housing	80.00
Medical Care	107.00
Personal Goods and Services	97.00
Transportation	96.00

Medical Services:

DeSoto Memorial Hospital

Recreational Opportunities:

Camping
 Horseback Riding
 Peace River Canoeing
 Turner Agri-Civic Center Events

Historical Points Of Interest:

Historic Downtown Arcadia
 Owens Historic School

Cultural Events/Festivals:

Arcadia All Florida Rodeo
 DeSoto County Fair
 Turner Agri-Civic Center
 Watermelon 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: DeSoto

Demographic Indicators

2009 County Population Estimate¹ -34,484
 65-84 Population¹ - 5,765
 85+ Population¹ - 786
 Live Births (3yr count)¹ - 1,477
 % of Population 65+ - 19%

Economic Indicators

Population Below Poverty¹ - 7,859
 Food Stamp Recipients⁷ - 3,997
 WIC Enrollment¹ - 2,473
 Average Monthly Medicaid Enrollment¹ - 4,754
 Uninsured (Under 65)¹ - 8,106

Vulnerability Indicators

Population with 1 or more disabilities ² - 6,634	Brain &/or Spinal Cord Injured Clients ⁵ - 3
% of Population with 1 or more disabilities - 19%	Estimated Oxygen Dependent Clients - 563
Elders Living Alone ⁸ - 1,480	Elders with Dementia ⁸ - 1,136
Estimated Homeless ⁷ - 639	CMS Clients ⁶ - 93
Children in Foster Care ⁷ - 83	Medical Foster Care Children ⁷ -
Developmentally Disabled ⁴ - 87	Dialysis Clients ³ - 36
Seriously Mentally Ill Adults ⁷ - 1,447	Seriously Emotionally Disturbed Children ⁷ - 588

Data Sources

- ¹ Department of Health Office of Planning, Data Analysis and Evaluation
- ² US Census Data
- ³ Florida End Stage Renal Disease Network
- ⁴ Agency for Persons with Disabilities
- ⁵ Department of Health Brain and Spinal Cord Injury Program
- ⁶ Department of Health Division of Children’s Medical Services
- ⁷ Department of Children and Families
- ⁸ 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.

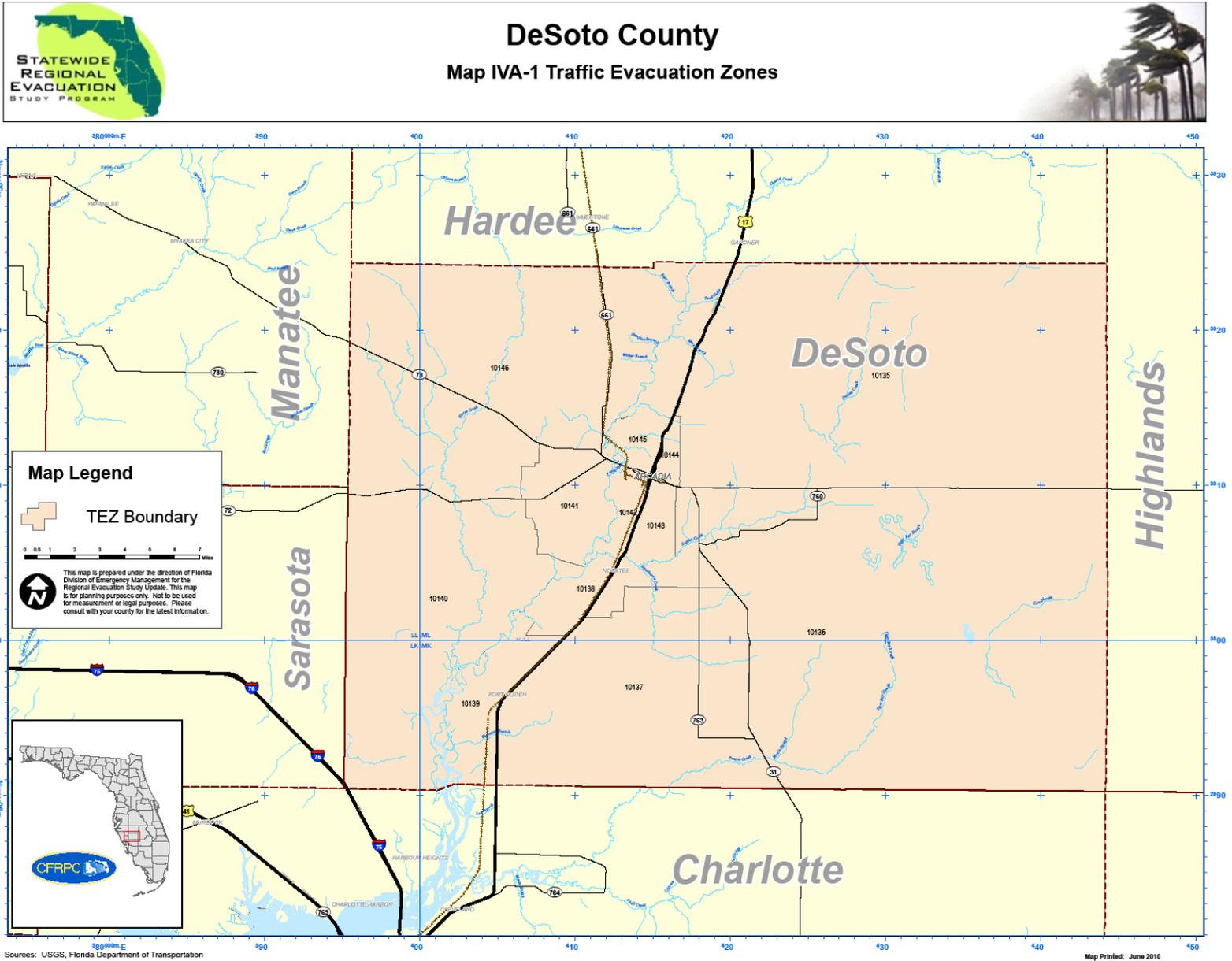
**Table IVA-1
DeSoto County Health Care Vulnerability Assessment**

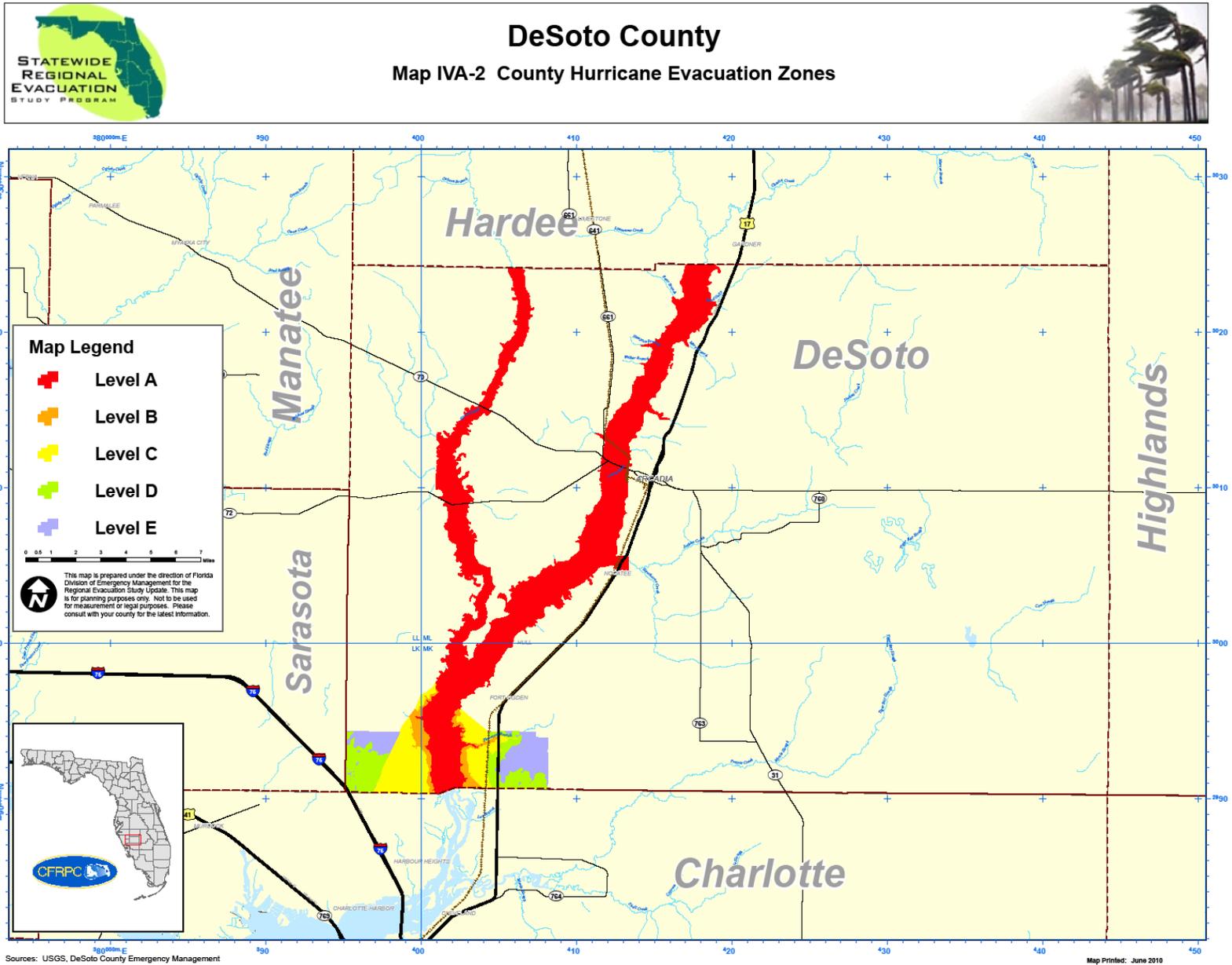
FACILITY TYPE	NAME	ADDRESS	CITY	ZIP CODE	ELEVATION	SURGE	EVAC ZONE	FLOOD	FIRE
Assisted Living Facility	M & R Personal Care Inc.	1289 Hillsborough Street	Arcadia	34266	48	0	X	Out	N
Assisted Living Facility	DeSoto Care	1711 SW County Road 760A	Arcadia	34266	42	0	X	Out	Y
Assisted Living Facility	House Hope	414 Spring Avenue	Arcadia	34266	35	0	X	Out	Y
Assisted Living Facility	House Hope #2	222 South Manatee Avenue	Arcadia	34266	48	0	X	Out	Y
Assisted Living Facility	Arcadia Oaks Assisted Living	1013 East Gibson Street	Arcadia	34266	64	0	X	Out	Y
End-Stage Renal Disease	Arcadia Dialysis Center	1341 East Oak Street	Arcadia	34266	64	0	X	Out	N
Hospital	DeSoto Memorial Hospital	900 North Robert Avenue	Arcadia	34266	64	0	X	Out	Y
Clinical Laboratory	Charles R. Habelow, MD, PA	301 North Brevard Avenue	Arcadia	34266	55	0	X	Out	Y
Clinical Laboratory	Community Care Family Clinic	1110 East Gibson Street	Arcadia	34266	64	0	X	Out	Y
Clinical Laboratory	DeSoto Memorial Hospital Blood Gas Lab	900 North Robert Avenue	Arcadia	34266	64	0	X	Out	Y
Clinical Laboratory	DeSoto Memorial Hospital Clinical Laboratory	900 North Robert Street	Arcadia	34266	64	0	X	Out	Y
Adult Family Care Home	Dorothy G. Jones	136 Lowe Street	Arcadia	34266	55	0	X	Out	Y
Adult Family Care Home	Willie Mae Morrison	430 16 th Avenue North	Arcadia	34266	64	0	X	Out	N

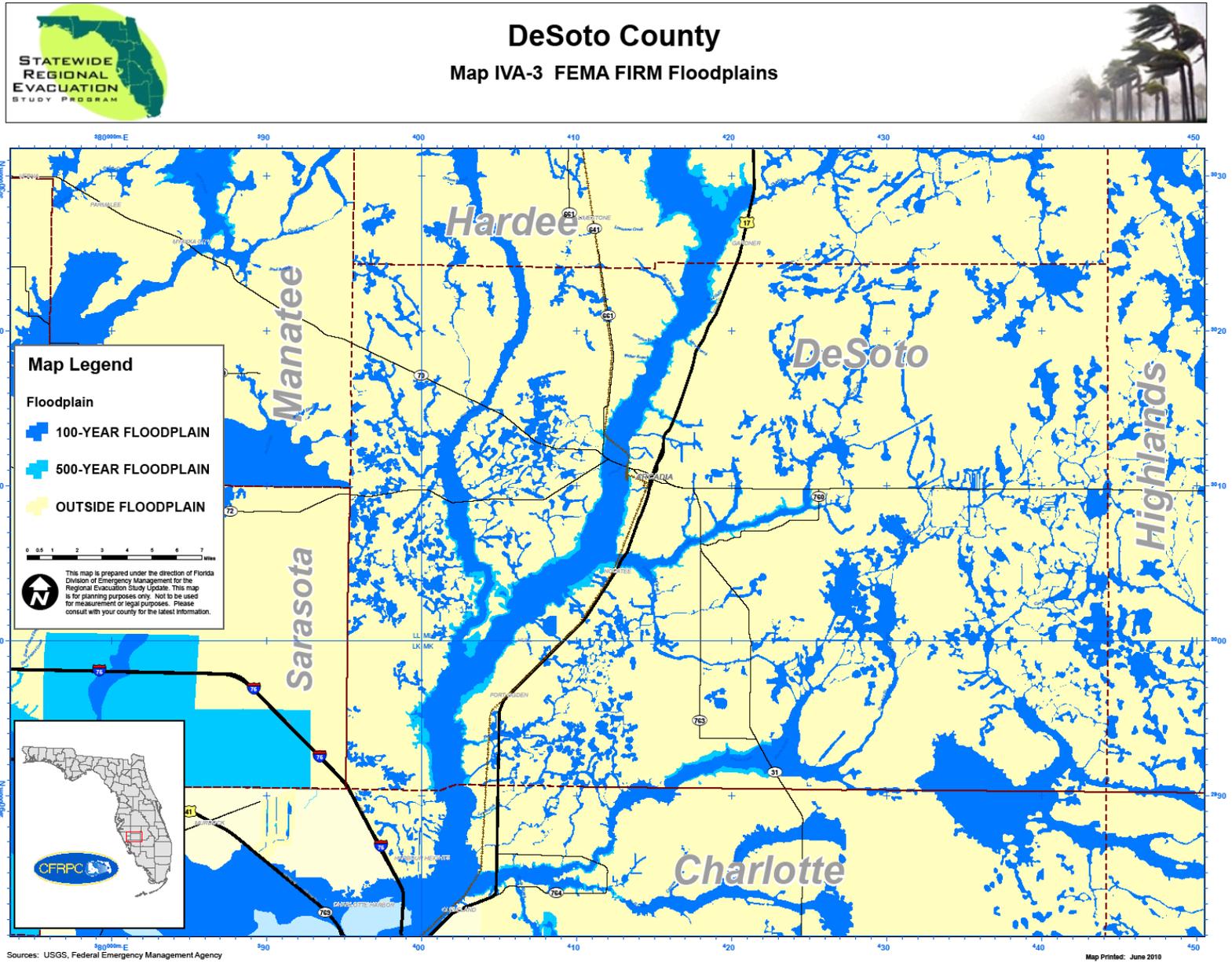
**Table IVA-2
DeSoto County Other Critical Facilities Vulnerability Assessment**

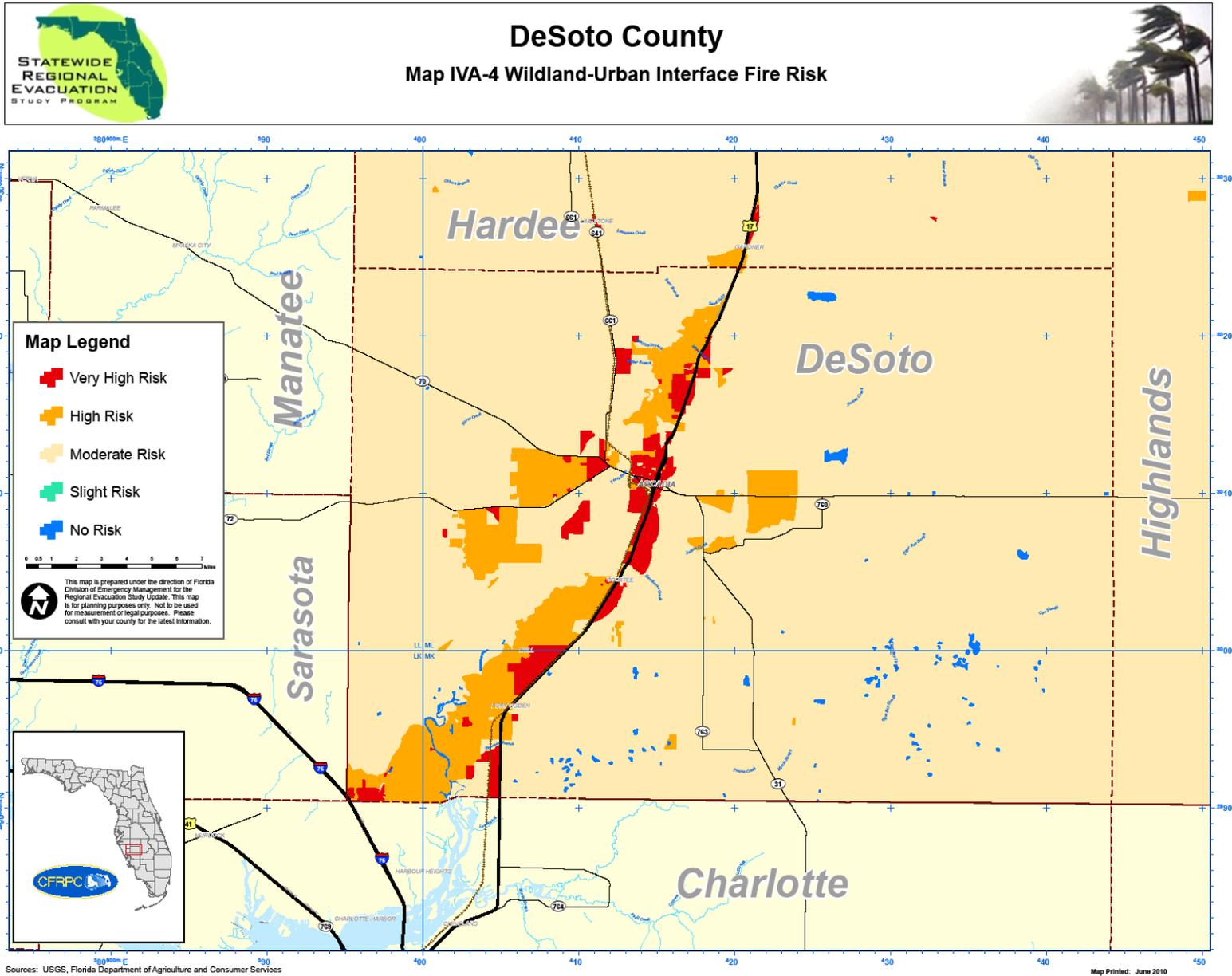
Facility Type	NAME	ADDRESS	CITY	ZIP CODE	Elevation	Surge	Evac Zone	FLOOD	FIRE
Radio Tower	WFLN	201 Asbury Street	Arcadia	34266	61	0	0	OUT	N
Radio Tower	WZSP	Off of Reynolds Street	Arcadia	34266	45	0	0	OUT	N
Call Center	DeSoto County Sheriff's Dept HQ	208 East Cypress Street	Arcadia	34266	59	0	0	OUT	N
Emergency Medical Service	DeSoto County Fire/Rescue Dept Station 1	1985 SE Carlstrom Field Road	Arcadia	34266	64	0	0	OUT	N
Emergency Medical Service	Arcadia Fire Rescue Station 3	121 West Hickory Street	Arcadia	34266	54	0	0	OUT	N
Emergency Operations Center	DeSoto County Emergency Management	2200 NE Roan Street	Arcadia	34266	61	0	0	OUT	N
Fire Station	Arcadia Fire Dept Station 3	121 West Hickory Street	Arcadia	34266	51	0	0	OUT	N
Fire Station	DeSoto County Fire Station 1	1985 SE Carlstrom Field Road	Arcadia	34266	64	0	0	OUT	N
Fire Station	DeSoto County Fire Station 2	8789 SW CR 761	Arcadia	34269	15	0	0	OUT	N
Fire Station	Arcadia Fire Dept Station 4	8120 SW Highway 72	Arcadia	34268					
Fire Station	Arcadia Fire Dept Station 6	11022 South Welch Avenue	Arcadia	34269	22	0	3	BC	N
Fire Station	Fort Ogden Volunteer Fire Dept Station 4	9413 SW Church Avenue	Fort Ogden	34267	42	0	0	OUT	N
Call Center	DeSoto County Sheriff's Dept HQ	208 East Cypress Street	Arcadia	34266	59	0	0	OUT	N

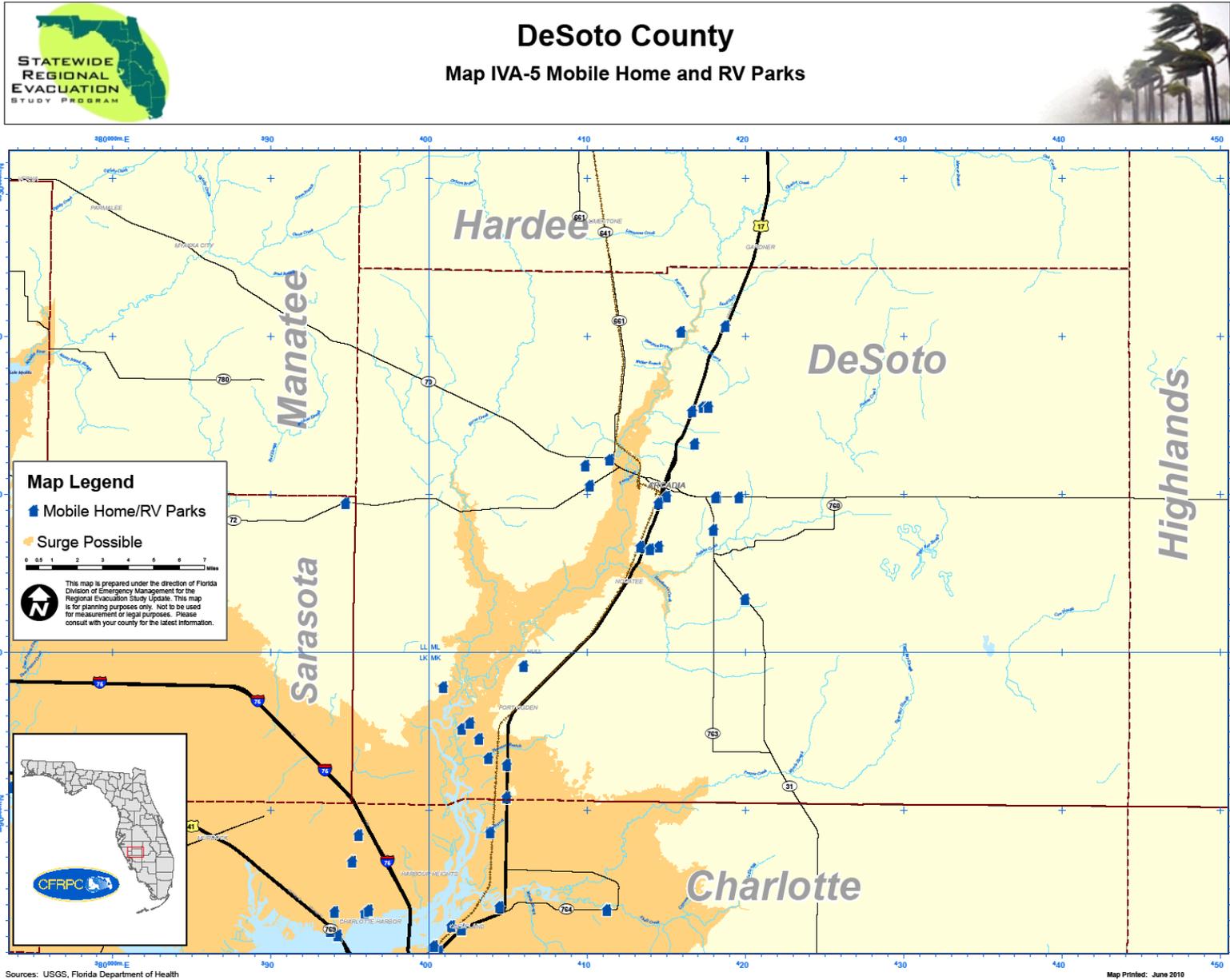
Facility Type	NAME	ADDRESS	CITY	ZIP CODE	Elevation	Surge	Evac Zone	FLOOD	FIRE
Law Enforcement	Arcadia Police Dept HQ	17 North Polk Avenue	Arcadia	34266	55	0	0	OUT	N
Law Enforcement	DeSoto County Sheriff's Dept HQ	208 East Cypress Street	Arcadia	34266	59	0	0	OUT	N
Law Enforcement	Florida Highway Patrol Troop F	721 North Brevard Avenue	Arcadia	34266	61	0	0	OUT	N
Fuel Facility - DOT	Arcadia Sub-Yard	SR 70 West & Parker Street	Arcadia	34266	26	0	0	OUT	N
Electric Power Plant	DeSoto County Power Plant	4051 NE Karson Street	Arcadia	34266	64	0	0	OUT	N
Airport	Lake Suzy Estates		Port Charlotte		26	0	4	DE	N
Airport	Arcadia Municipal Airport	2269 SE A. G. Polk Drive	Arcadia	34266	58	0	0	OUT	N
Airport	Ellsworth Field		Arcadia		63	0	0	OUT	N
Airport	Hennessy		Arcadia		38	0	0	OUT	N
Airport	Frierson Grove		Arcadia		68	0	0	OUT	N
Airport	Montgomery Ranch		Arcadia		70	0	0	OUT	N
Airport	McDonald's Field		Arcadia		51	0	0	OUT	N
Airport	DeSoto Aircraft Field		Arcadia		50	0	0	OUT	N
Heliport - Helipad	DeSoto Memorial Hospital	900 North Robert Avenue	Arcadia	34266	64	0	0	OUT	N

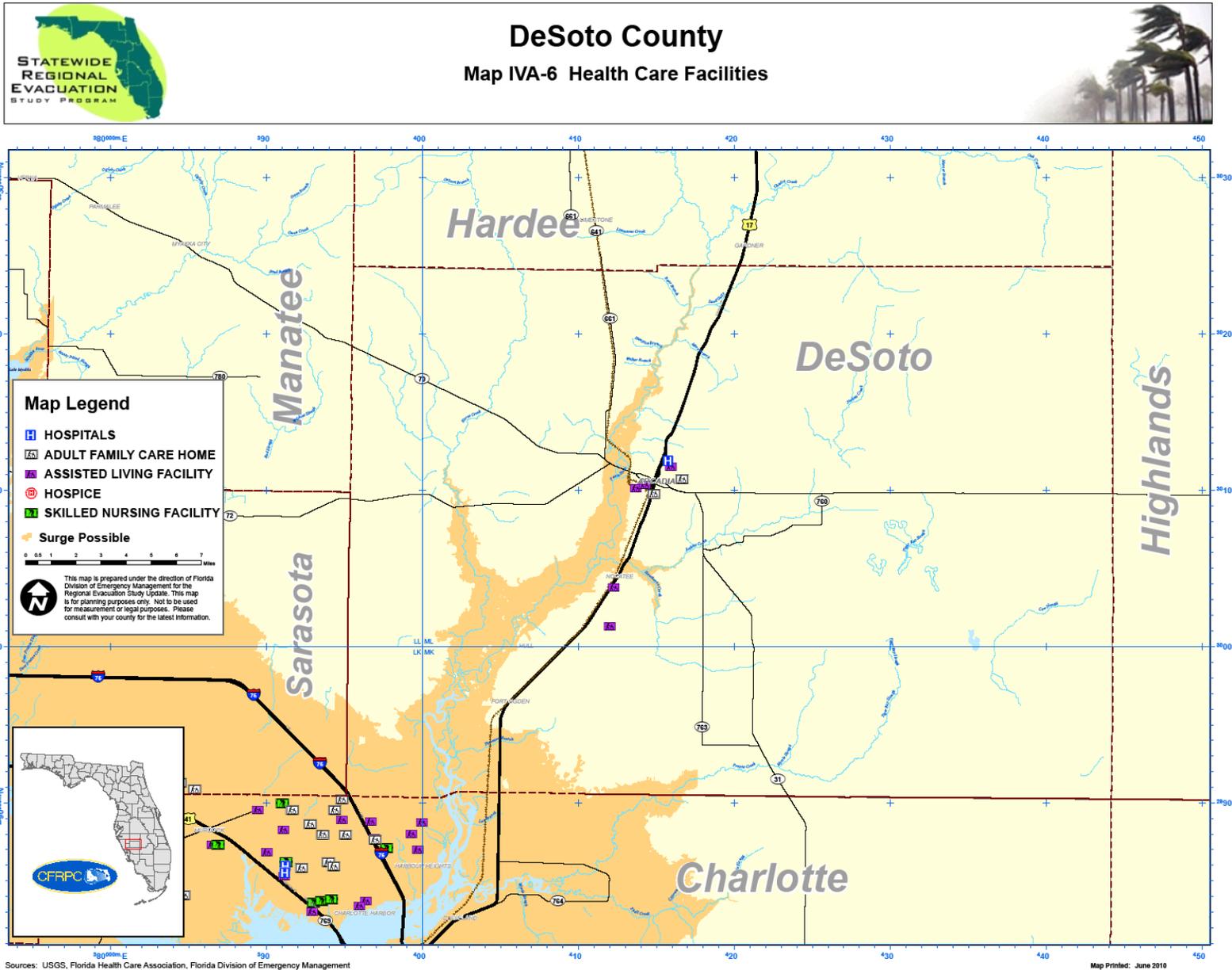


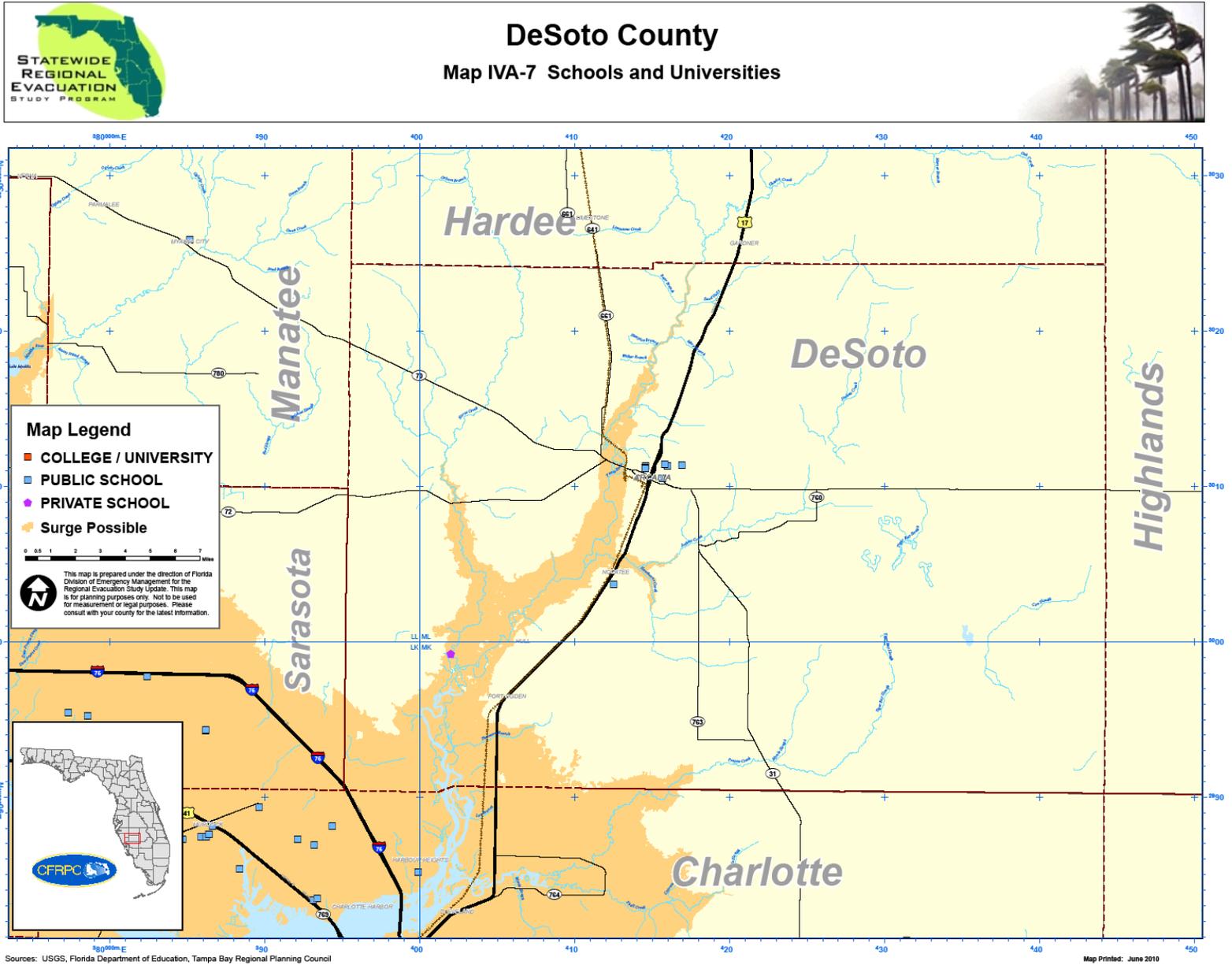


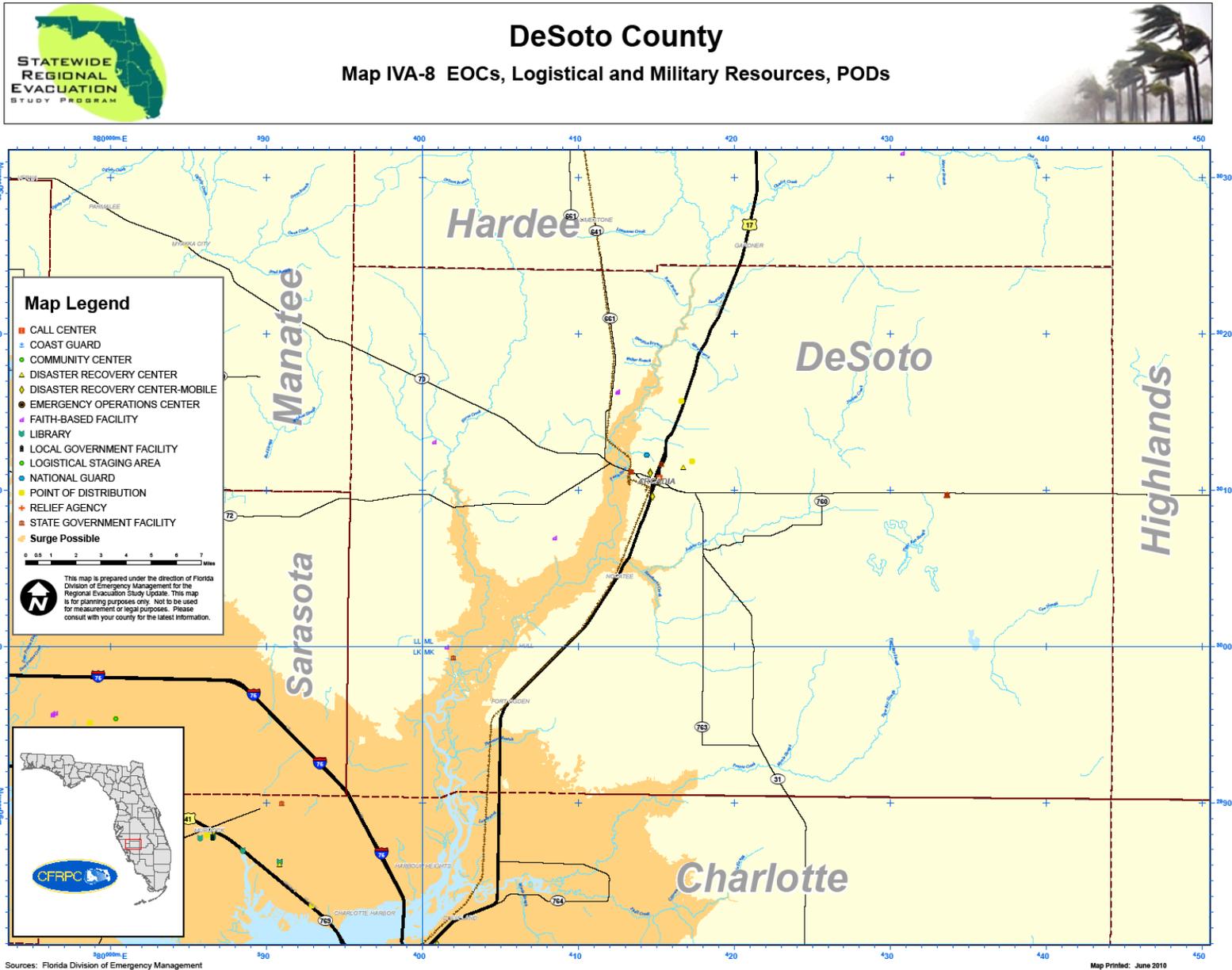


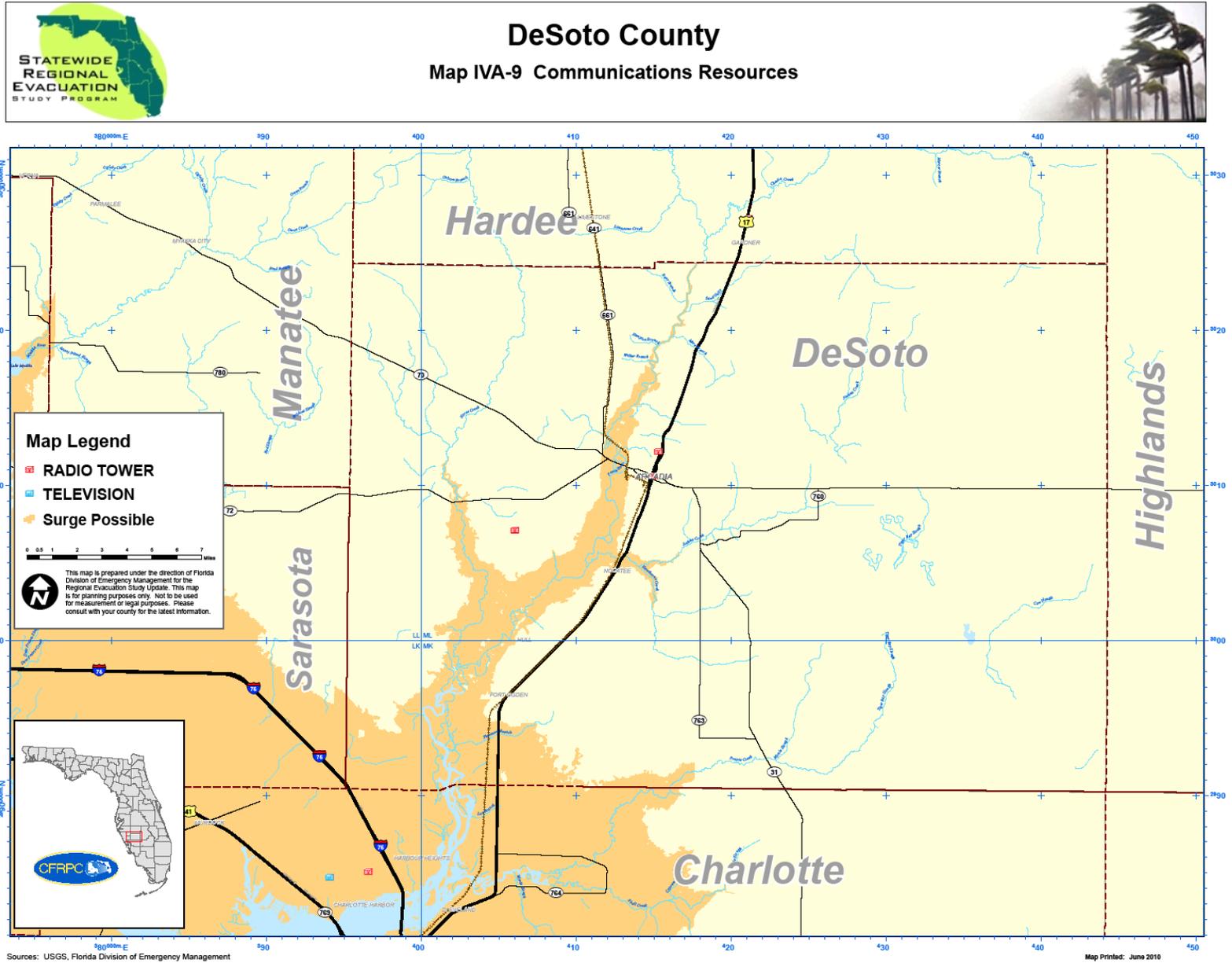


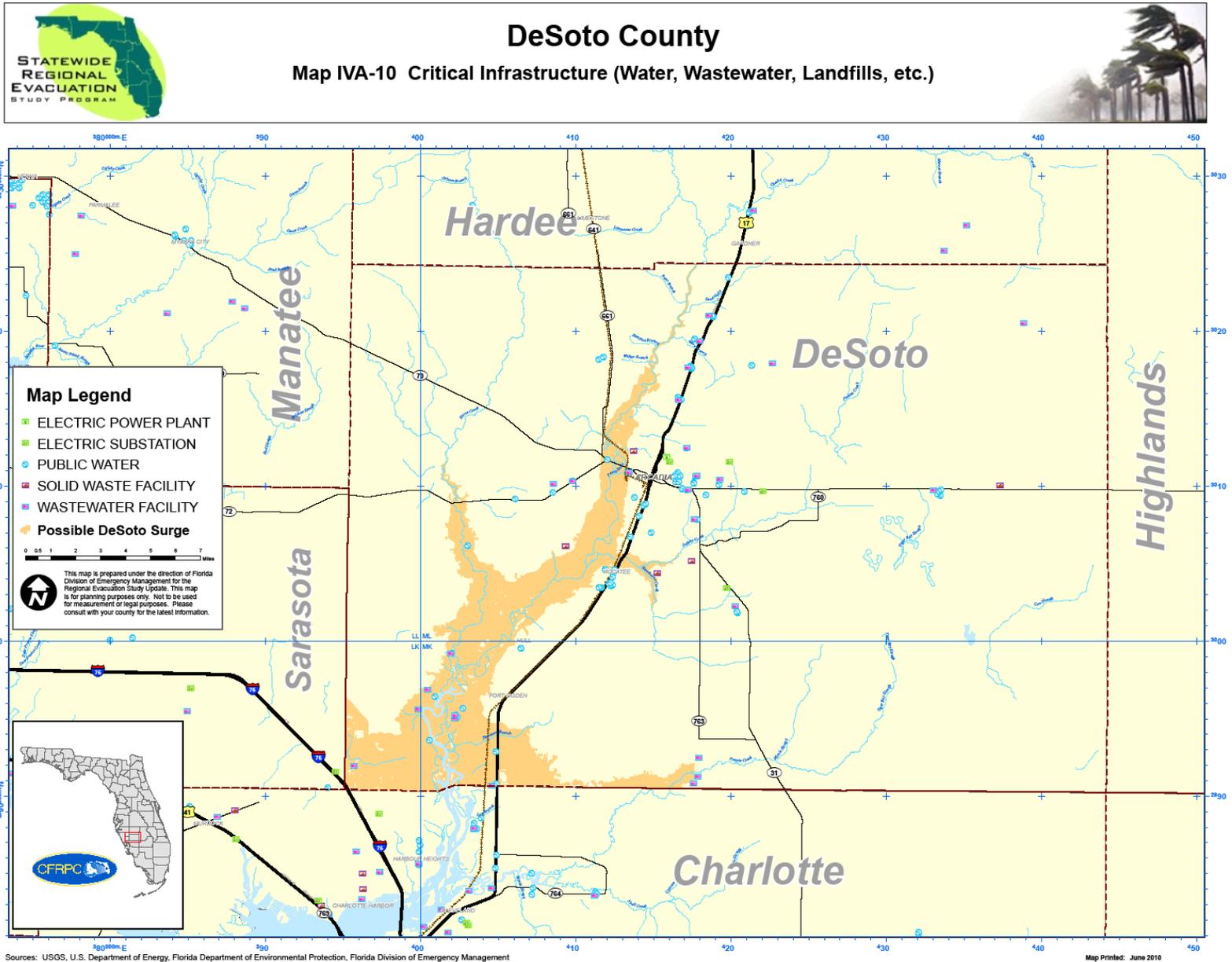


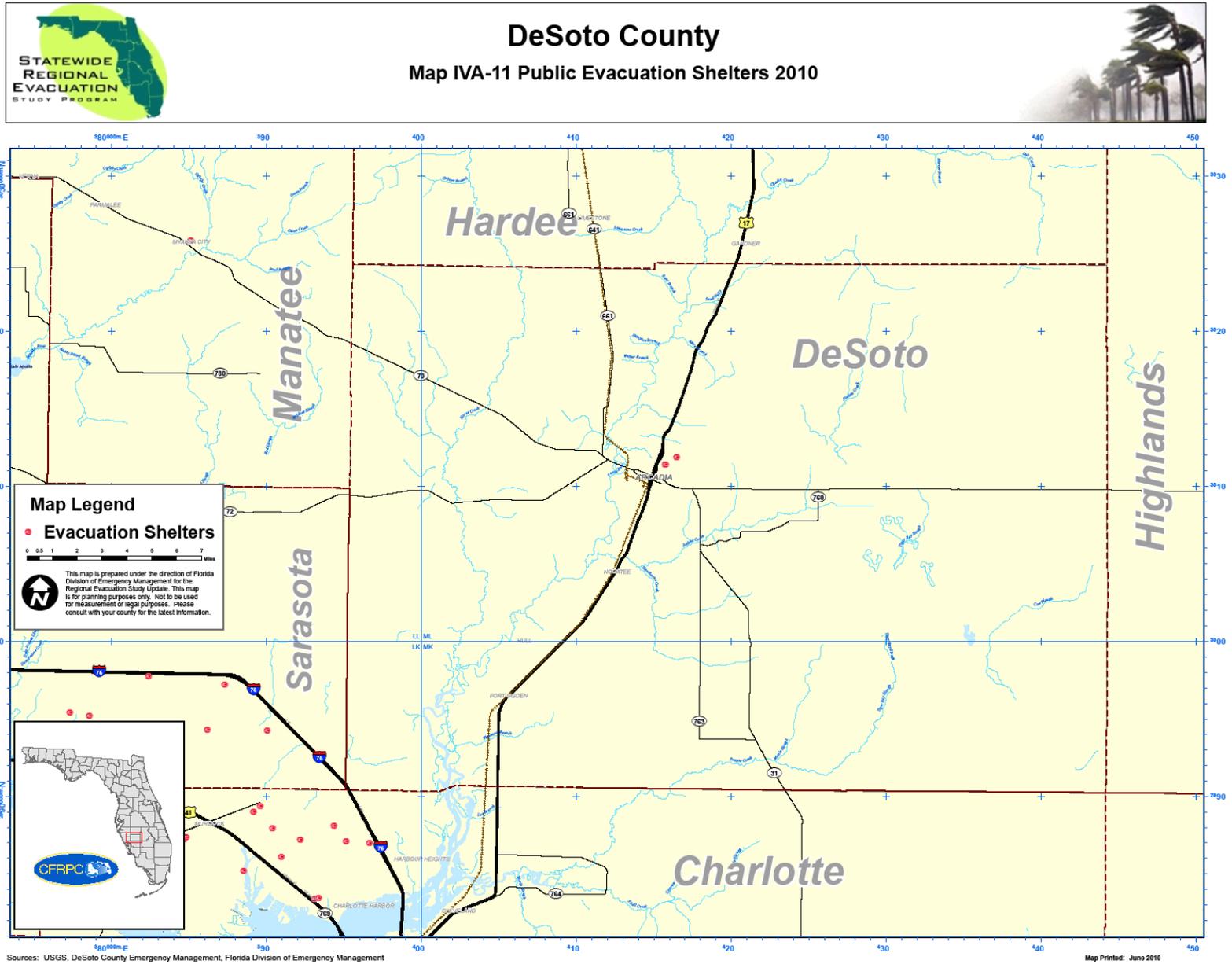


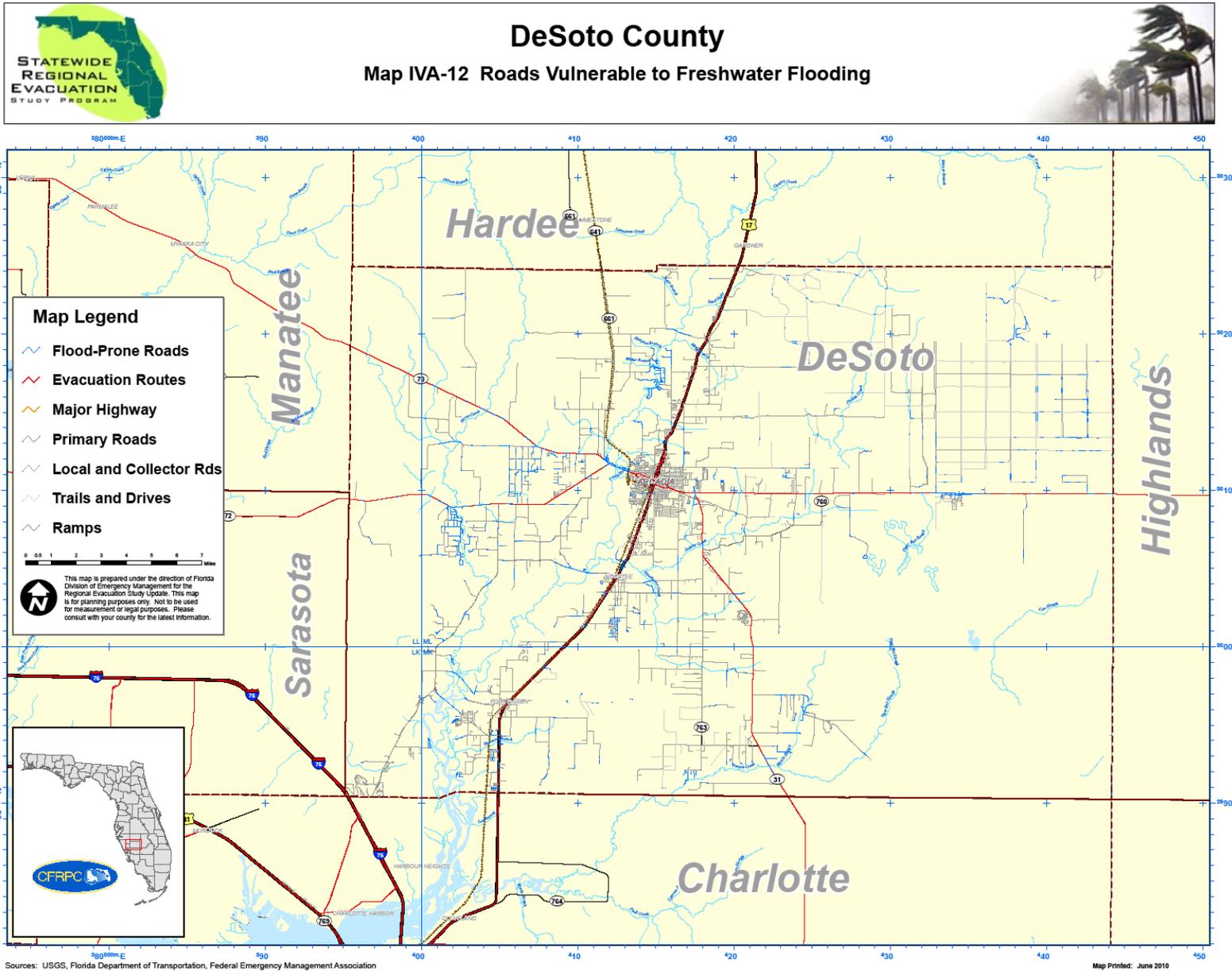












THIS PAGE INTENTIONALLY LEFT BLANK