

VOLUME 1

**STATEWIDE REGIONAL EVACUATION
STUDY PROGRAM**

CENTRAL FLORIDA REGION

CHAPTER IV

**REGIONAL VULNERABILITY AND
POPULATION ANALYSIS**

APPENDIX IVB

**HARDEE COUNTY
CRITICAL FACILITIES
VULNERABILITY ANALYSIS**



THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX IVB HARDEE COUNTY CRITICAL FACILITIES VULNERABILITY ANALYSES

TABLE OF CONTENTS

A.	Introduction	IVB-5
B.	County Profile	IVB-5
C.	County Vulnerable Population Profile	IVB-9
D.	Critical Facility Vulnerability Analysis	IVB-10

LIST OF TABLES

Table IVB-1	Hardee County Health Care Vulnerability Assessment	IVB-11
Table IVB-2	Hardee County Other Critical Facilities Vulnerability Assessment	IVB- 13

LIST OF MAPS

Map IVA-1	Hardee County Traffic Evacuation Zones	IVB-15
Map IVA 2	Hardee County Hurricane Evacuation Zones with Traffice Evacuations Areas	IVB-16
Map IVA-3	Hardee County Floodplan Map	IVB-17
Map IVA-4	Hardee County Wildland-Urban Interface	IVB-18
Map IVB-5	Mobile Home Parks/RVs/Migrant Housing	IVB-19
Map IVB-6	Health Care Facilities	IVB-20
Map IVB-7	Schools and Universities	IVB-21
Map IVB-8	Public Buildings, EOCs, Military Resources, PODs	IVB-22
Map IVB-9	Communication Resources	IVB-23
Map IVB-10	Critical Infrastructure (Water, Waste Water, Landfills, etc.)	IVB-24
Map IVB-11	Public Shelters, 2010	IVB-25
Map IVB-12	County Evacuation Routes Vulnerable To Freshwater Flooding	IVB-26

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 Hardee County.

B. County Profile

This section of the report, and the data contained herein, is provided to capture a profile of Hardee 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.

Hardee County Profile

Visit eFlorida.com to learn more.

GEOGRAPHY

County Seat: Wauchula
Nearest MSA: Lakeland-Winter Haven MSA
Time Zone: Eastern
Local Area Code(s): (863)
Largest Cities: Wauchula, Bowling Green, Zolfo Springs

Miles* To:

Tallahassee	252
Orlando	70
Tampa	48
Jacksonville	192
Miami	162
Atlanta	455
Chicago	1,041
Dallas	966
New York	1,012

*Miles are calculated from county seat



POPULATION

	Hardee	Florida
1980:	20,357	9,746,961
1990:	19,499	12,938,071
2008:	28,888	18,328,340
2015(p):	28,900	20,055,900
2030(p):	30,700	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 Days112

PER CAPITA PERSONAL INCOME

	Hardee	Florida
2005	\$18,894	\$34,709
2006	\$19,830	\$37,099
2007	\$20,388	\$38,417

MIGRATION

(2008)	
In-Migration	1,067
Out-Migration	1,219
Net-Migration	-152

* Estimates based on IRS
 Statistics of Income data

LABOR FORCE

(2009)	
Labor Force	11,595
Labor Force % of County Population	40.1
Number in County Unemployed	1,281
Unemployment Rate	11.0%

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

MEDIA

Local Radio Stations:

WZZS
 WAUC

Local Television Stations:

none listed

Locally Printed Newspapers:

Herald Advocate

FINANCIAL INSTITUTIONS

Number of Banks:	4
Number of Savings and Loans:	0
Number of Credit Unions:	1

STATE AND LOCAL TAXATION

COUNTY

Countywide Ad Valorem Millage Rates:

Government	5.3585
Schools	7.5130
Special	0.3776
Total	13.2491

Ad Valorem Tax Exemption: Yes

Retail Sales Tax (Local Option)	1.00
Federal Enterprise Zone	No
State Enterprise Zone	EZ-2501

STATE

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

EMPLOYMENT BY INDUSTRY

	Hardee	Florida
(2008)		
Average Annual Employment	8,162	7,945,162
Natural Resources & Mining	25.5%	1.2%
Construction	3.1%	6.5%
Trade, Transportation and Utilities	13.9%	20.5%
Manufacturing	3.2%	4.7%
Information	0.9%	2.0%
Other Services	1.6%	3.2%
Public Administration	11.5%	5.9%
Unclassified	N/D	
Leisure & Hospitality	4.9%	11.9%
Education & Health Services	15.3%	19.4%
Professional & Business Services	2.9%	14.4%
Financial Activities	3.7%	6.6%

Average Annual Wage

	(2008)
All Industries	\$28,430
Construction	\$28,232
Education & Health Services	\$27,753
Financial Activities	\$35,571
Information	\$48,979
Leisure & Hospitality	\$12,904
Manufacturing	\$26,015
Natural Resources & Mining	\$18,744
Other Services	\$16,922
Professional & Business Services	\$25,826
Public Administration	\$35,530
Trade, Transportation and Utilities	\$29,002
Unclassified	N/D

*N/D = No Data

EXISTING EMPLOYMENT

Major Private Sector Employers

Florida Institute for Neurological Rehabilitation	
Business Line: Healthcare	
Number of Employees	550
Wal-Mart	
Business Line: Retail	
Number of Employees	288
Mosaic	
Business Line: Phosphate	
Number of Employees	277
C.F. Industries	
Business Line: Phosphate	
Number of Employees	175
Peace River Electric Cooperative	
Business Line: Electric Service	
Number of Employees	137
Wauchula State Bank	
Business Line: Banking	
Number of Employees	121
Florida Hospital Heartland Division	
Business Line: Healthcare	
Number of Employees	111
Old Castle Mulch	
Business Line: Manufacturing	
Number of Employees	60
Pacer Marine	
Business Line: Manufacturing	
Number of Employees	60
First National Bank	
Business Line: Banking	
Number of Employees	38

TRANSPORTATION

Federal Interstates

Federal Highways

State Highways

US-17

SR 62

SR-64

SR-64A

SR 66

Railroads

CSX

Nearest Airport with Scheduled Commercial Airline Service:

Sarasota/Bradenton International Airport

2

Runways

Longest Paved Runway (ft.)

7001

General Aviation Airports

Wauchula Municipal Airport

Local Deep Water Port

Manatee County Port Authority

Miles to Closest Port

25

COMMERCIAL/INDUSTRIAL SERVICES

Electric Companies:

- TECO
- Peace River Electric
- Seminole Electric
- Wauchula City Electric
- Vandolah Power Station

Natural Gas Companies:

- Coker Fuel
- Florida Natural Gas
- Suburban Propane

Telephone Companies:

- AT&T
- Embarq

Water & Sewer Companies:

- City of Bowling Green
- City of Wauchula
- Town of Zolfo Springs
- Hardee County Utility Department

Existing Industrial Zoned Land	Yes
Number of Acres	1,000
Largest Available Contiguous Parcel	200
Industrial Parks	Yes
Number of Acres	200
Largest Available Contiguous Parcel	160
Foreign Trade Zones	No
Zone Number(s)	

EDUCATION

	Public Schools	Teachers	Enrollments
Elementary:	21	159	2,577
Secondary:	25	126	2,437
Totals:	46	285	5,014

Private Schools Available: Yes

POST SECONDARY EDUCATION SERVING THE COUNTY:

Colleges/Universities:

- University of South Florida
- Florida Southern College
- Warner Southern College
- Webber International University

Junior/Community Colleges:

- South Florida Community College

Vocational/Technical Schools:

- South Florida Community College

Other Schools:

- Faith Evangelist Christian School
- Pioneer Career Academy
- Maranatha Baptist

QUALITY OF LIFE

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

	Sample
Total	90.77
Food	100.38
Housing	82.38
Medical Care	93.48
Personal Goods and Services	93.78
Transportation	98.83

Medical Services:

- Eye Clinic
- Florida Hospital
- Florida Institute for Neurological Rehabilitation
- Hardee Health Department
- Walk-In Clinics

Recreational Opportunities:

- Florida Cracker trail
- Hardee Lake Park
- One 9-hole & two 18-hole golf courses
- Payne Creek Historical State Park
- Peace River Activities
- Pioneer Park
- Solomon's Castle

Historical Points Of Interest:

- Main Street
- Payne Creek Historical State Park
- Pioneer Museum

Cultural Events/Festivals:

- County Fair
- Grillin' & Chillin'
- Heartland Chorale
- Nature Fest
- Pioneer Park Days
- The Cracker Heritage Festival
- The Story of Jesus

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.efflora.com>*

C. County Vulnerable Population Profile

County Vulnerable Population Profile
County: Hardee

Demographic Indicators

2009 County Population Estimate¹ -27,703
 65-84 Population¹ - 3,213
 85+ Population¹ - 533
 Live Births (3yr count)¹ - 1,510
 % of Population 65+ - 14%

Economic Indicators

Population Below Poverty¹ - 6,698
 Food Stamp Recipients⁷ - 4,133
 WIC Enrollment¹ - 2,381
 Average Monthly Medicaid Enrollment¹ - 5,181
 Uninsured (Under 65)¹ - 7,271

Vulnerability Indicators

Population with 1 or more disabilities² - 5,655
 % of Population with 1 or more disabilities - 20%
 Elders Living Alone⁸ - 1,005
 Estimated Homeless⁷ - 835
 Children in Foster Care⁷ - 41
 Developmentally Disabled⁴ - 168
 Seriously Mentally Ill Adults⁷ - 1,099
 Brain &/or Spinal Cord Injured Clients⁵ - 1
 Estimated Oxygen Dependent Clients - 322
 Elders with Dementia⁸ - 679
 CMS Clients⁶ - 90
 Medical Foster Care Children⁷ -
 Dialysis Clients³ - 40
 Seriously Emotionally Disturbed Children⁷ - 575

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 IVB-1
Hardee County Health Care Vulnerability Assessment**

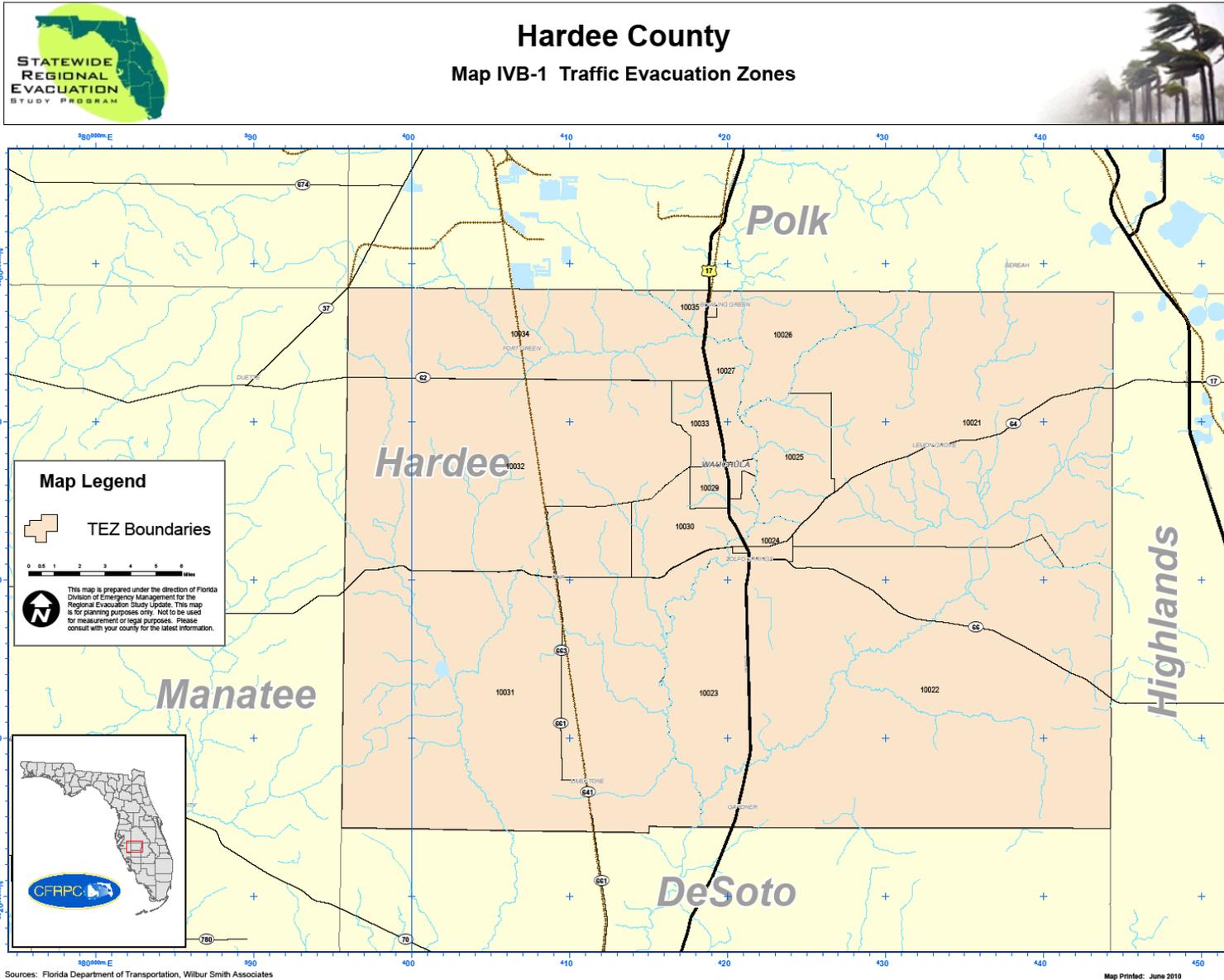
FACILITY TYPE	NAME	ADDRESS	CITY	ZIP CODE	ELEVATION	SURGE	EVAC ZONE	FLOOD	FIRE
Assisted Living Facility	Teach	3858 W Main Street	Wauchula	33873	108	N/A	N/A	Out	N
Assisted Living Facility	Winner Ranch	1531 Johns Road	Wauchula	33873	111	N/A	N/A	Out	Y
Assisted Living Facility	Aces	124 Dink Albritton	Wauchula	33873	110	N/A	N/A	Out	N
Assisted Living Facility	Southern Oaks Retirement Center	157 Will Duke Road	Wauchula	33873	71	N/A	N/A	Out	N
Assisted Living Facility	Resthaven of Hardee County, Inc.	298 Resthaven Road	Zolfo Springs	33890	124	N/A	N/A	Out	N
Hospital	Florida Hospital Wauchula	533 West Carlton Street	Wauchula	33873	99	N/A	N/A	Out	Y
Clinical Laboratory	Florida Hospital Wauchula Laboratory	533 West Carlton Street	Wauchula	33873	99	N/A	N/A	Out	Y
Clinical Laboratory	Just For Her	417 Carlton Street	Wauchula	33873	107	N/A	N/A	Out	Y
Clinical Laboratory	Pioneer Medical Center LLP	515 Carlton Street	Wauchula	33873	106	N/A	N/A	Out	Y
Clinical Laboratory	Central Florida Health Care – Wauchula	204 E Palmetto St	Wauchula	33873	110	N/A	N/A	Out	N
Clinical Laboratory	Hardee County Health Department	115 K D Revell Road	Wauchula	33873	102	N/A	N/A	Out	Y
Transitional Living Facility	Florida Institute for Neurologic Rehab, Inc.	1962 Vandolah Road	Wauchula	33873	104	N/A	N/A	Out	N
Transitional Living Facility	Florida Institute For Neurologic Rehabilitation	204 Bay Street	Wauchula	33873	105	N/A	N/A	Out	Y

FACILITY TYPE	NAME	ADDRESS	CITY	ZIP CODE	ELEVATION	SURGE	EVAC ZONE	FLOOD	FIRE
Skilled Nursing Facility	Finr Iii, LLC	1962 Vandolah Road	Wauchula	33873	104	N/A	N/A	Out	N
Skilled Nursing Facility	Hardee Manor Healthcare Center	401 Orange Place	Wauchula	33873	102	N/A	N/A	Out	Y
Adult Family Care Home	Juanita Wright	1210 Weston Court	Wauchula	33873	77	N/A	N/A	Out	N

**Table IVB-2
Hardee County Other Critical Facilities Vulnerability Assessment**

FACILITY TYPE	NAME	ADDRESS	CITY	ZIP CODE	ELEVATION	SURGE	EVAC ZONE	FLOOD	FIRE
Radio Tower	W299AU		Zolfo Springs	33890	87	N/A	N/A	Out	Y
Radio Tower	W229AV		Wauchula	33873	63	N/A	N/A	100	N
Radio Tower	W276BS		Wauchula	33873	109	N/A	N/A	Out	N
Radio Tower	WAUC		Wauchula	33873	66	N/A	N/A	100	N
Radio Tower	WWWP-LP		Wauchula	33873	101	N/A	N/A	Out	Y
Call Center	WZZS		Zolfo Springs	33890	55	N/A	N/A	Out	Y
Fire Station	Hardee County Fire/Rescue	149 K D Revell Road	Wauchula	33873	98	N/A	N/A	Out	Y
Fire Station	Hardee County Fire/Rescue (Bowling Green)	620 Main Street West	Bowling Green	33834	111	N/A	N/A	Out	Y
Fire Station	Hardee County Fire/Rescue (Zolfo Springs)	104 Fifth Street West	Zolfo Springs	33890	92	N/A	N/A	Out	Y
Law Enforcement	Hardee County Sheriff's Dept HQ	900 East Summit Street	Wauchula	33873	69	N/A	N/A	Out	Y
Law Enforcement	Bowling Green Police Dept HQ	104 Main Street East	Bowling Green	33834	116	N/A	N/A	Out	Y
Law Enforcement	Wauchula Police Dept HQ	128 South 7 th Avenue	Wauchula	33873	112	N/A	N/A	Out	N
Law Enforcement	Zolfo Springs Police Dept HQ	104 Fifth Street West	Zolfo Springs	33890	92	N/A	N/A	Out	Y

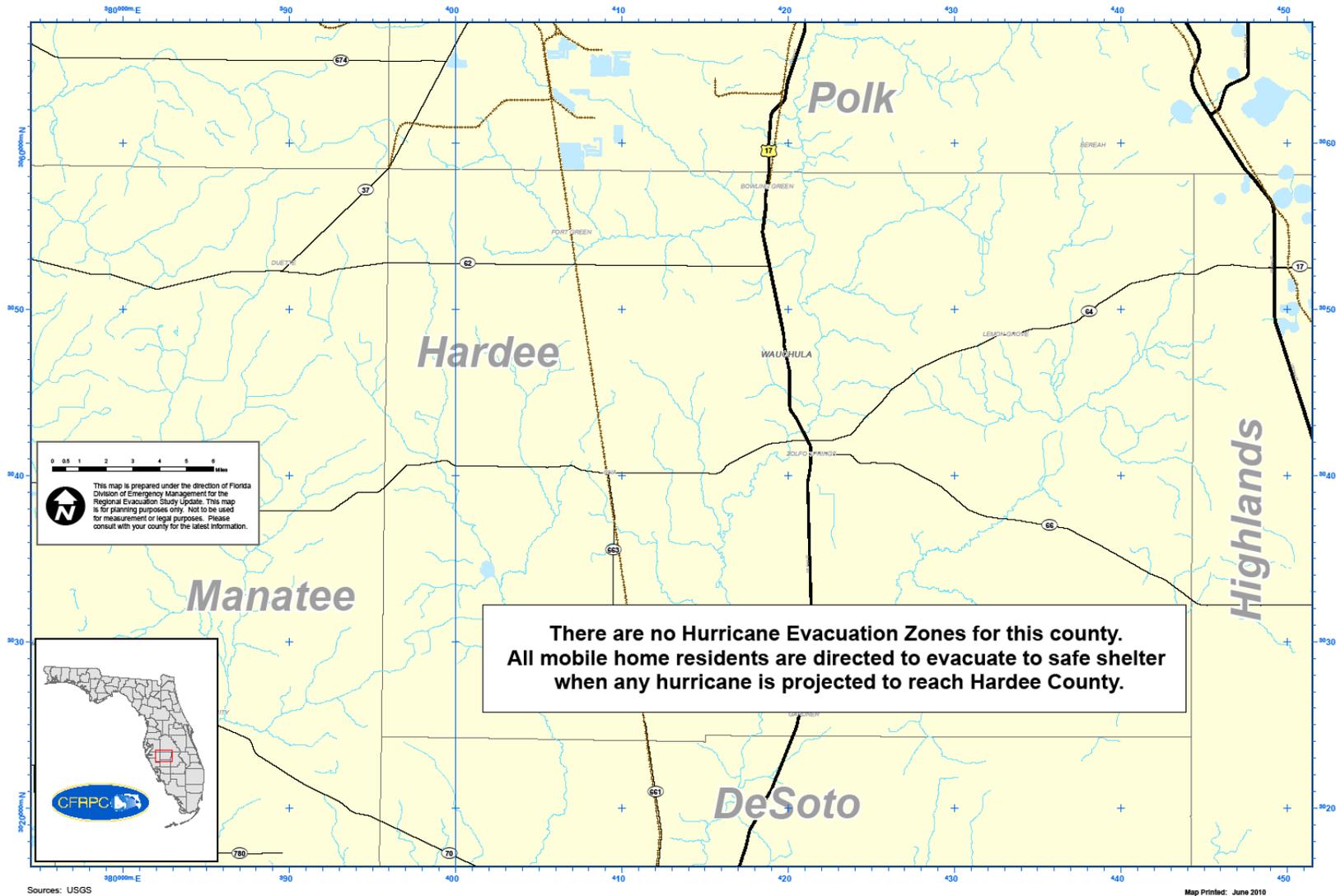
FACILITY TYPE	NAME	ADDRESS	CITY	ZIP CODE	ELEVATION	SURGE	EVAC ZONE	FLOOD	FIRE
Electric Power Plant	Hardee Power Station		Fort Green	33834	116	N/A	N/A	Out	N
Electric Power Plant	Payne Creek		Bowling Green		121	N/A	N/A	Out	N
Airport	Wauchula Municipal		Wauchula	33873	55	N/A	N/A	100	N
Airport	Crews Homestead Ranch		Avon Park		86	N/A	N/A	Out	N
Airport	Gardner		Gardner		75	N/A	N/A	Out	N
Airport	Griffins Peace River Ranch		Zolfo Springs	33890	65	N/A	N/A	Out	N

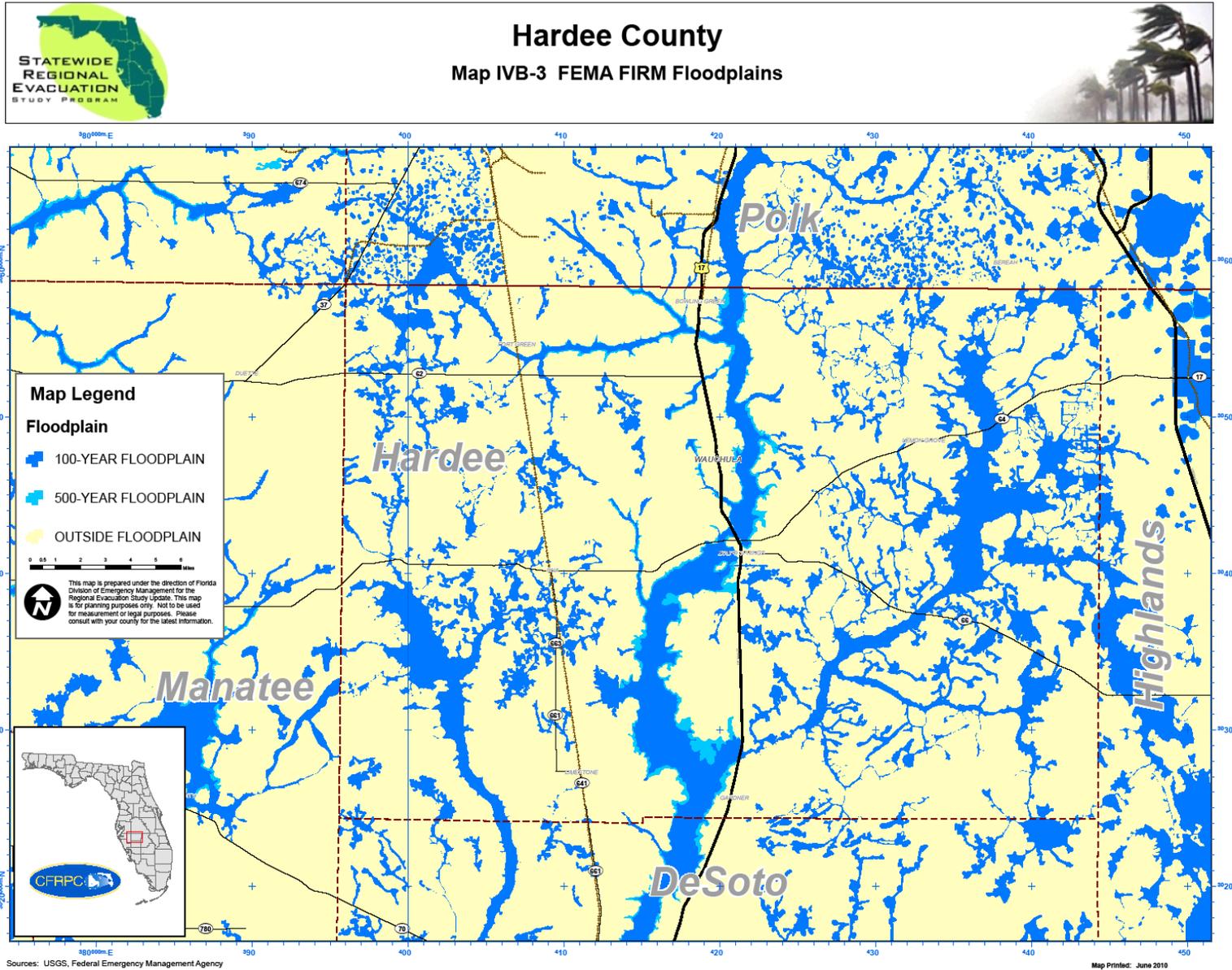


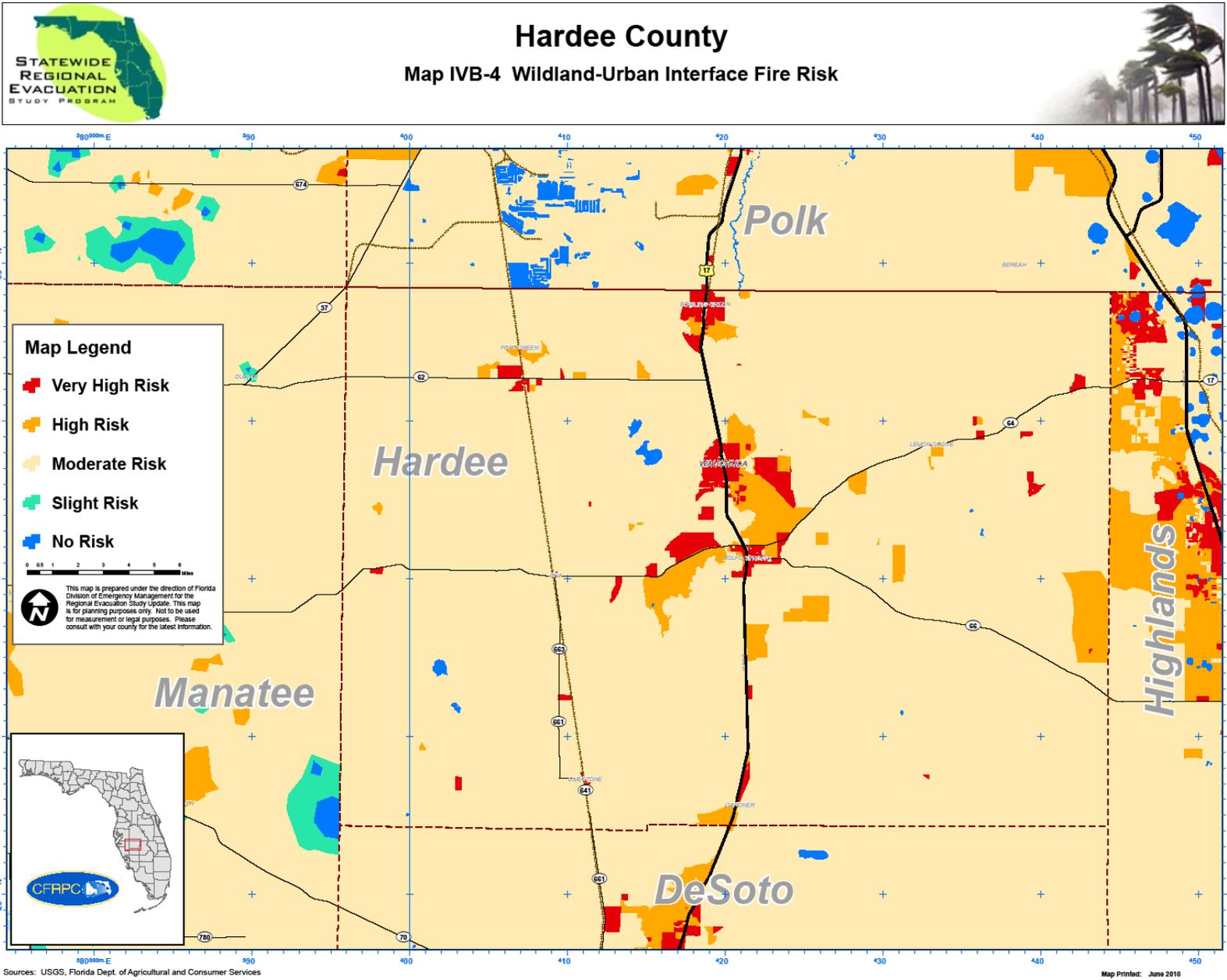


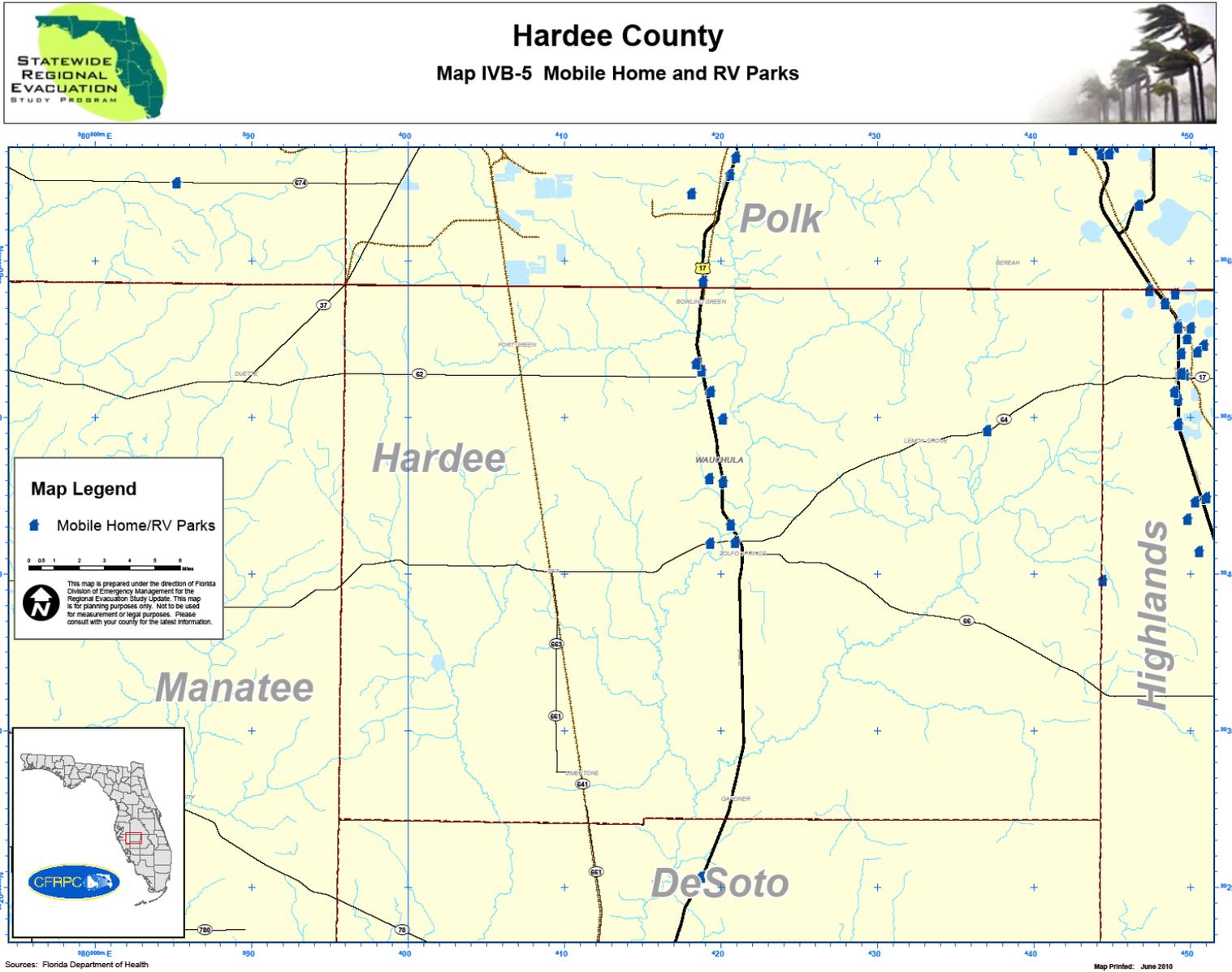
Hardee County

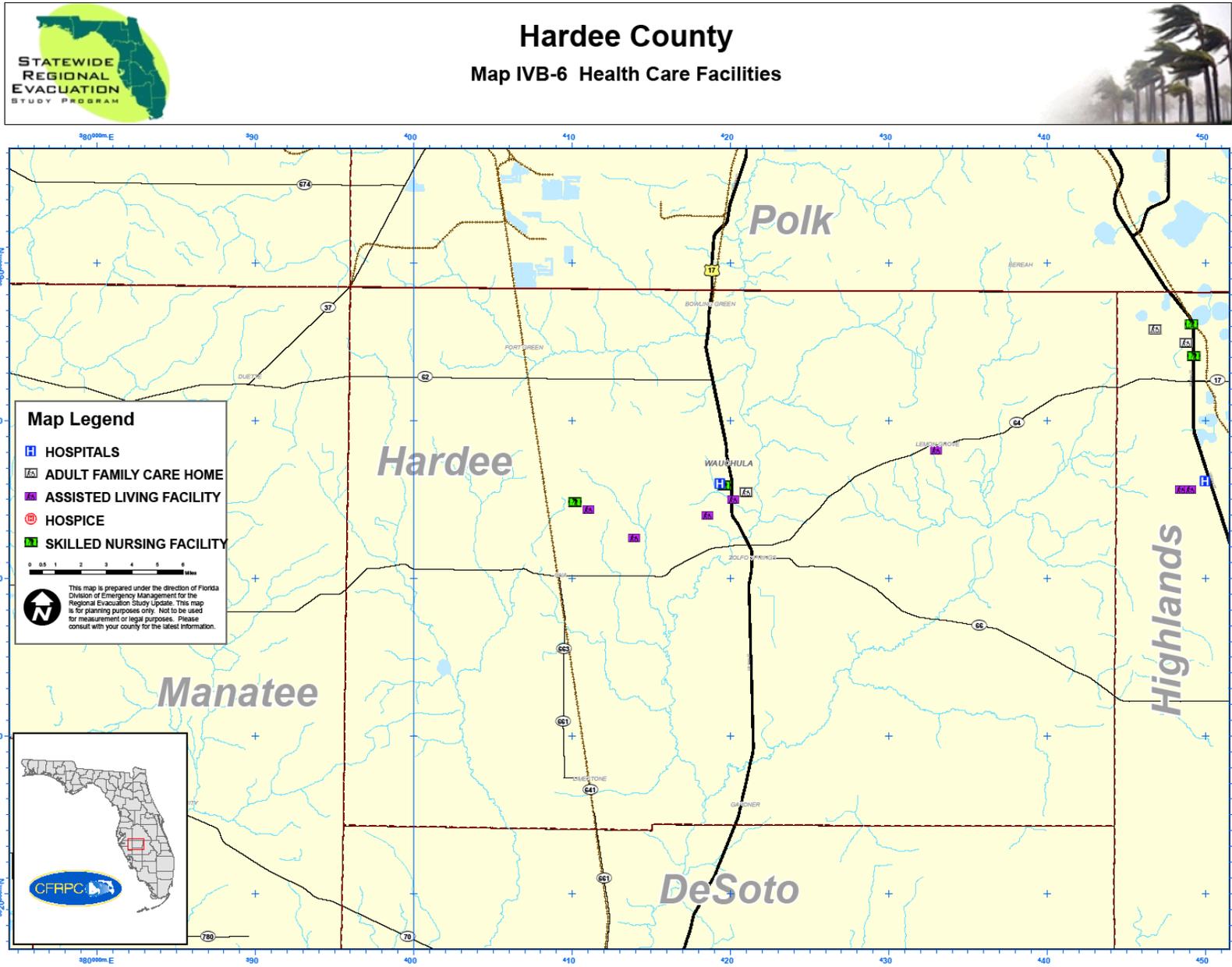
Map IVB-2 County Hurricane Evacuation Zones

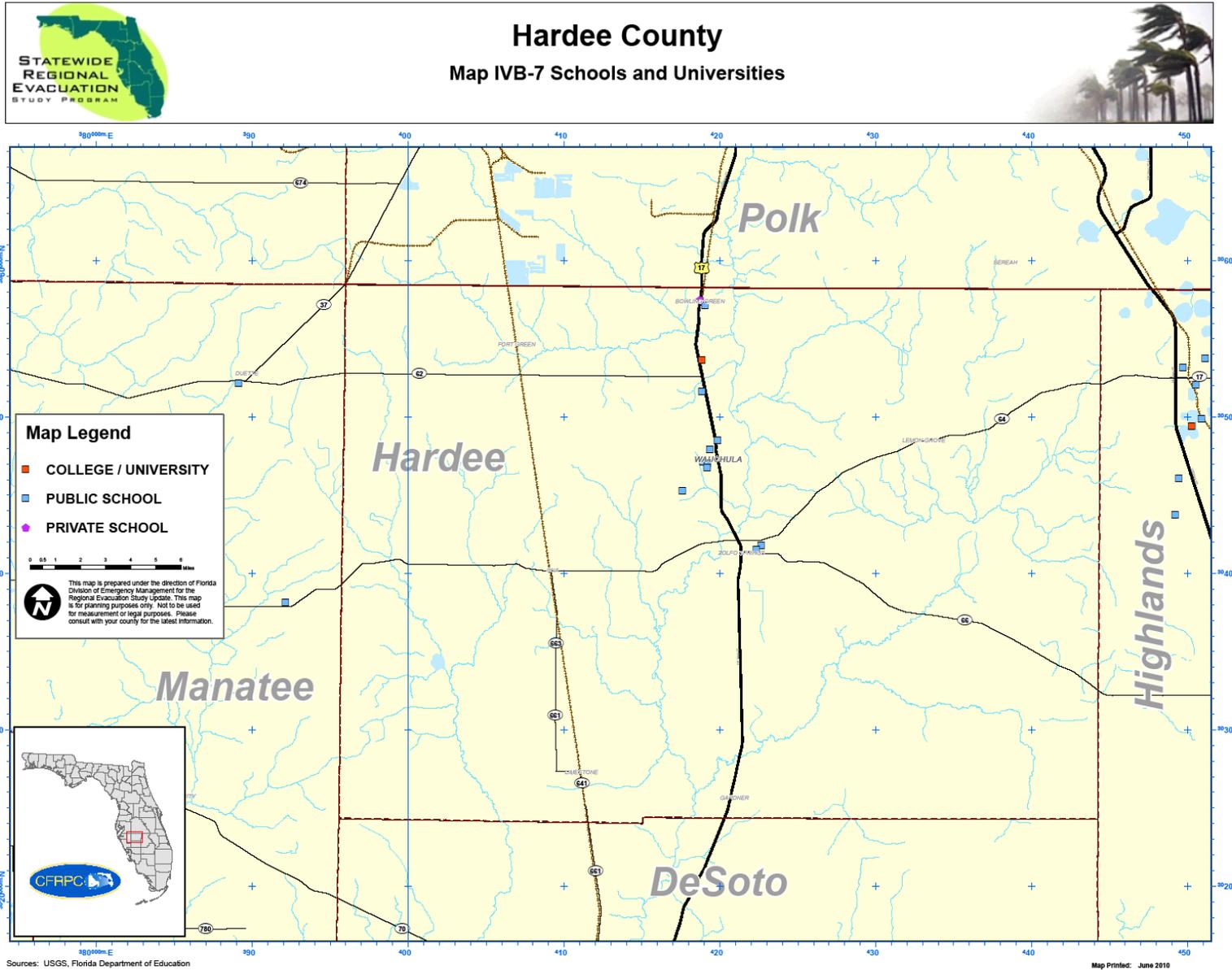








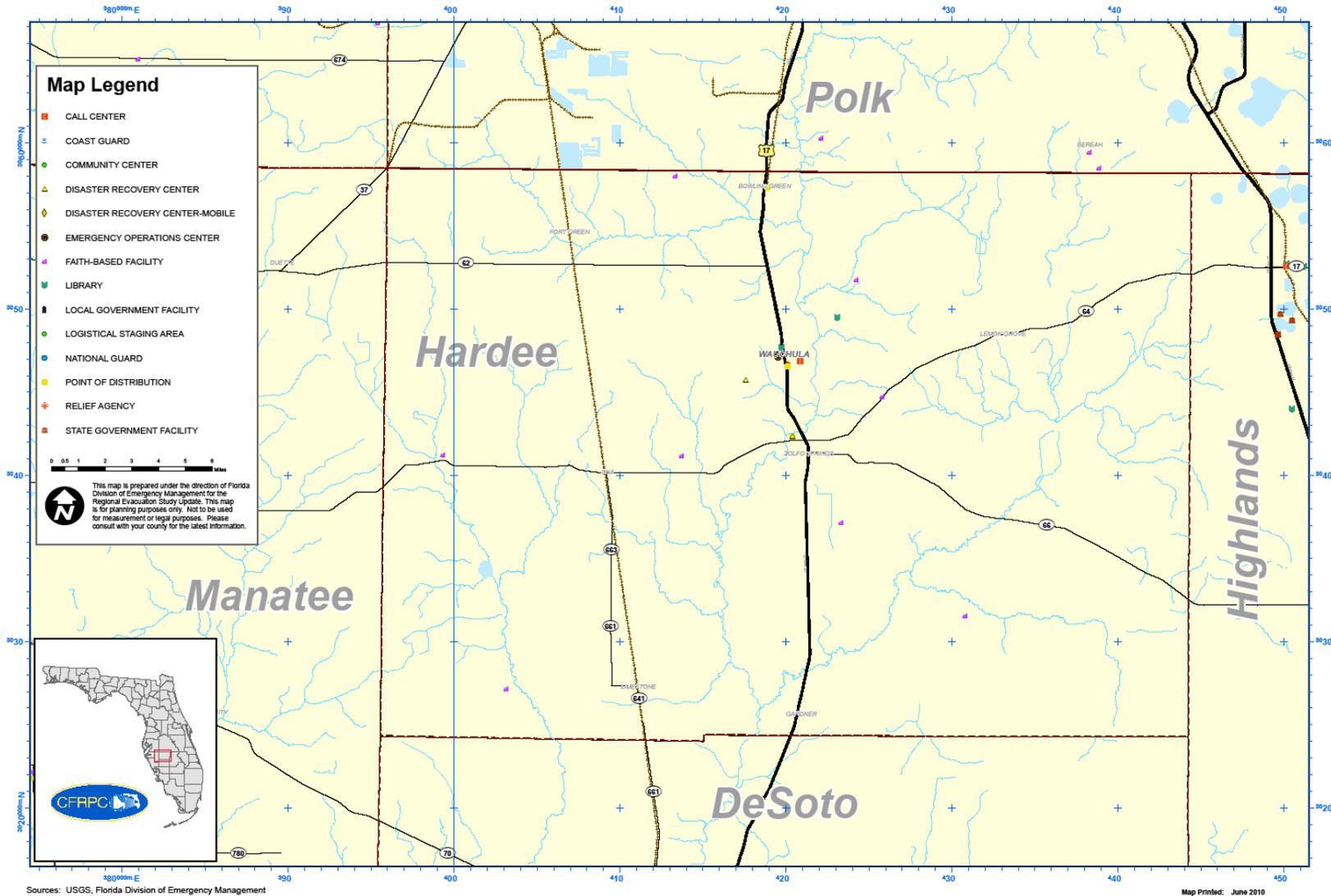


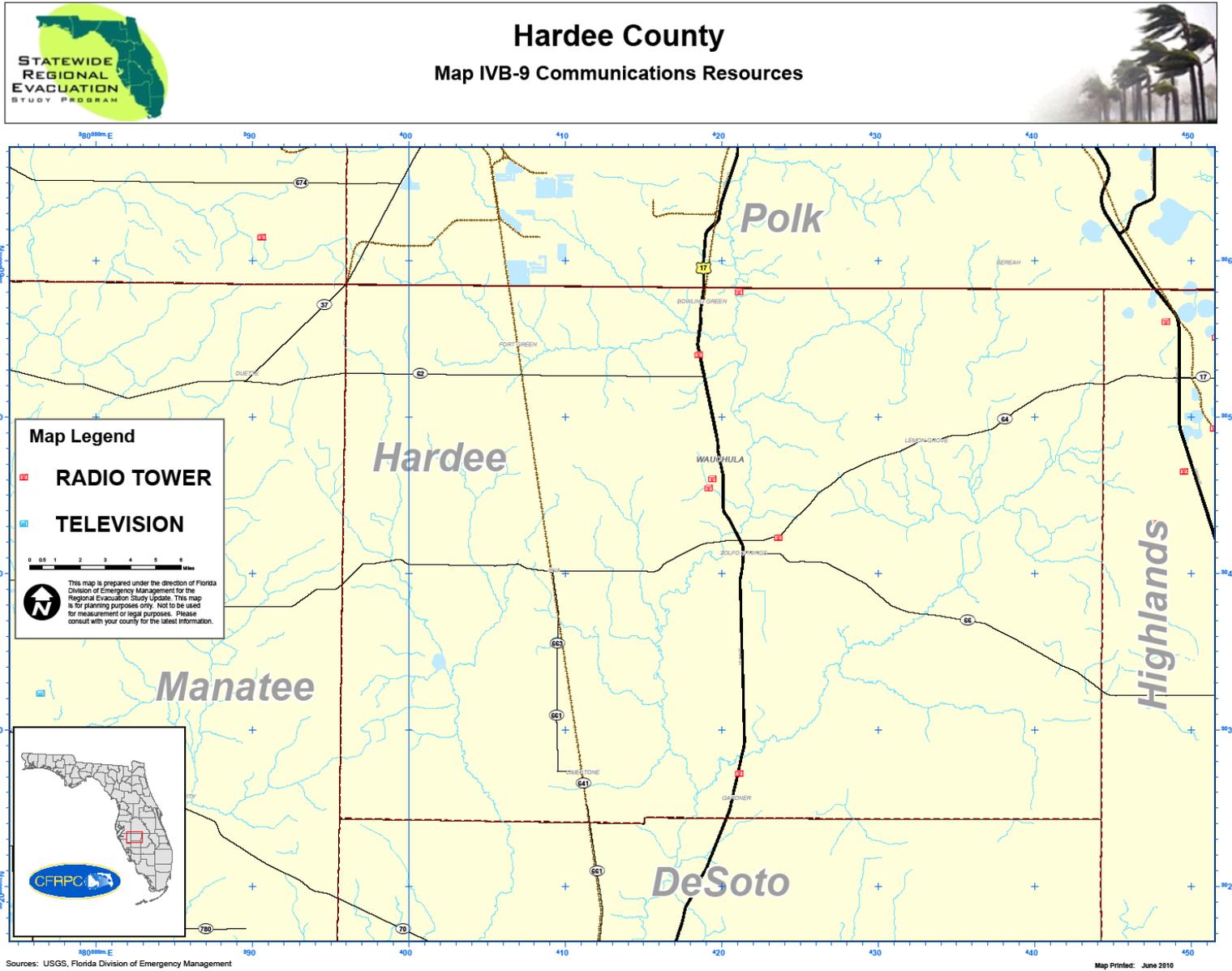




Hardee County

Map IVB-8 EOCs, Logistical and Military Resources, PODs

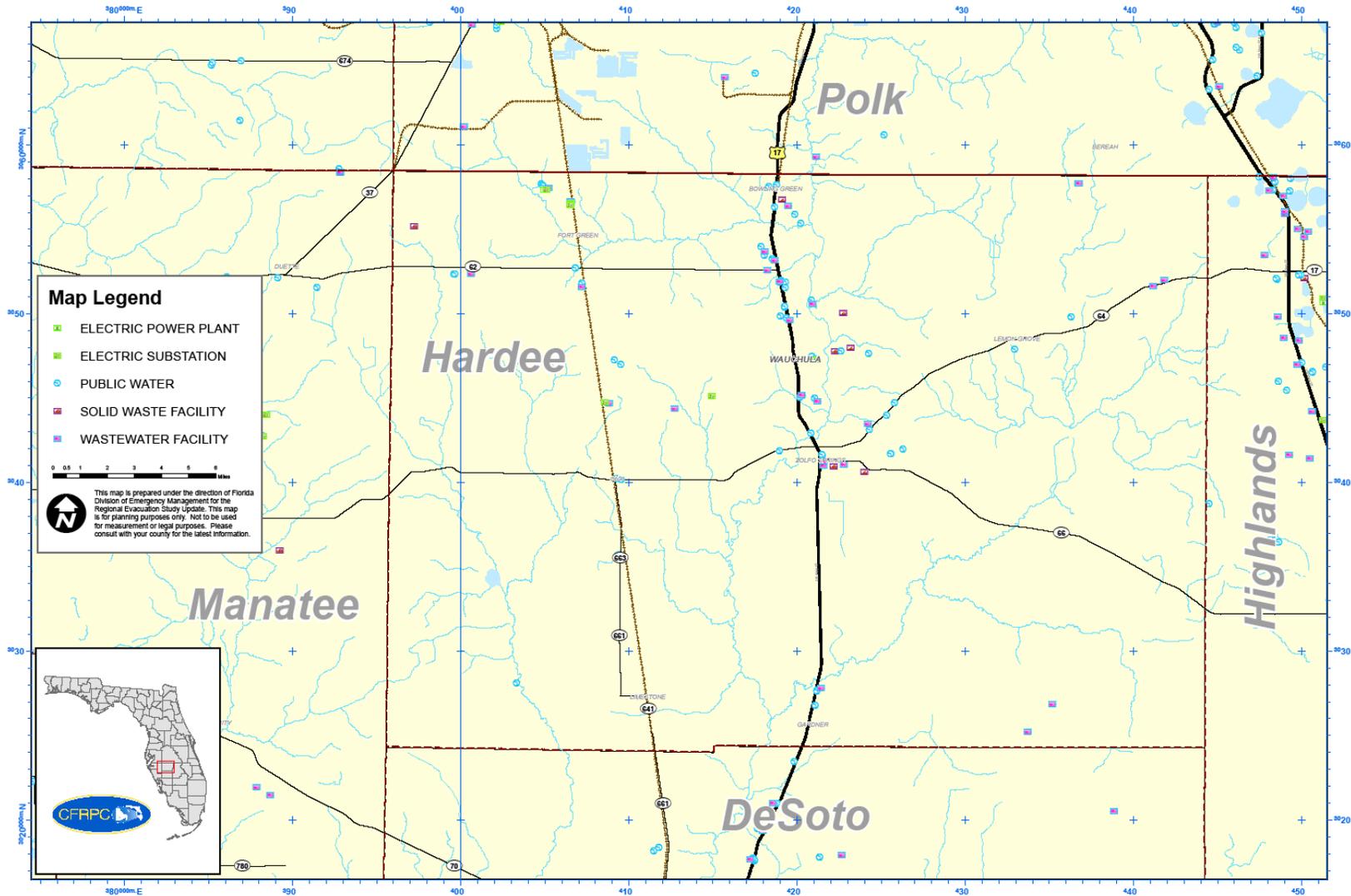






Hardee County

Map IVB-10 Critical Infrastructure (Water, Wastewater, Landfills, etc.)



Sources: USGS, U.S. Dept. of Energy, Florida Department of Environmental Protection, Florida Division of Emergency Management

