

Intergovernmental Policy & Planning Division



Rod A. Braun, Division Director
July 2010

- **Overview**
- **Core Functions**
- **Process Improvements**
- **Working with Local Governments**
- **Next Steps**

Intergovernmental Policy and Planning



Intergovernmental Programs Department

Intergovernmental Policy and Planning Division

Service Centers

Stormwater Division

Plan Review, Coordination and Comment

Policy and Planning Assistance

Climate Change Policy and Coordination

Focus of Plan Review and Comments

- Review comprehensive plan amendments and other planning documents for consistency w/ the District's mission
- Respond as a landowner to proposed amendments or other actions that may be adjacent to or on District-owned lands or projects
- Provide technical assistance
- 135 Proposed Comprehensive Plan Amendment Packages; 225 Adopted Comprehensive Plan Amendments



Reviews and Coordination

- Local Government Comp Plan Amendments
- Water Supply Facilities Work Plans
- Local Government EARs and EAR-based Amendments
- Power Plant Siting
- Development of Regional Impact (DRIs; 27 Active)
- State Clearinghouse Items
- State Mining Permits
- Natural Gas Pipelines
- FDOT Review
- Educational Master Plans
- 298 District Water Control Plans
- Zoning Documents (Mining)
- State Oil Well Applications
- Tribal Documents



Comp Plan and Other Documents

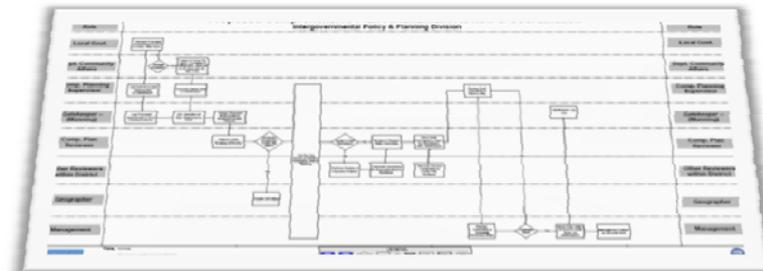
- **Expanded our Scope**
 - **“Due Diligence” on everything that comes through the door**
 - Ecosystem Restoration
 - Water Supply
 - Water Quality
 - Flood Control
 - Natural Systems
 - **Coordination is Key**
 - Document Routing Matrix

The image shows a document routing matrix, a complex table used for tracking the flow of documents through various departments and stakeholders. The table has many rows and columns, with some cells containing names and initials, indicating the responsible parties for each document. The matrix is tilted slightly to the right.



Comp Plan Review Process: Reinvention

- **Reviews as 30-day Projects**
- **Process Mapping**
- **Improved Timeliness of Reviews Enables Proactive Approach**
 - **Provides time for interaction w/ DCA**
 - **Time to work w/ local governments**
 - **Maps to expedite internal reviews and improve DCA reviews**
- **Customer Service**
- **Informal Reviews**
- **Conceptual Consultations**



Intergov Policy & Planning: GIS



Kissimmee #10-1D - ArcMap - ArcView

File Edit View Bookmarks Insert Selection Tools Window Help

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Temporal Analyst

RegGSS Find Data Data Sets Data Editor Labels Reports Functions Help

- Main
 - Wetland Area NW1
 - Wetland Assessment
 - Shingle Creek
 - Wetland Area NW2
 - WETLAND_TY
 - ESTUARINE AND
 - ESTUARINE AND
 - FRESHWATER EN
 - FRESHWATER FC
 - FRESHWATER PC
 - OTHER
 - RIVERINE
 - Proposed Amendment
 - Jetport
 - CERP
 - Wading Bird Nesting Sites
 - CERP Boundary
 - Allapattah Complex
 - Transportation
 - Cities
 - Transportation Hubs
 - Landmarks
 - Streets
 - Interstates
 - Interstates & Highways
 - Major Highways
 - Highways
 - Major Roads
 - Major Roads
 - Streets
 - Railroads
 - Landmarks
 - Municipal Boundaries
 - Counties
 - Counties

Policy and Planning

- ERR ERC Division
- ERR ERP Environmental Section
- ERR ERP Engineering Section
- ERR EVG EAA/C-139 Section
- ERR EVG LOK Section
- ERR RPS Applications Section
- ERR RPS GIS Section Editor 1
- ERR RPS GIS Section Editor 2
- W5 Hydrography Section Editor
- W5 Model Processing Section Editor
- W5 Permitting Section Editor
- Custom Data Sets

SHINGLE CREEK

Lake Tohopekaliga

SITE

C-31

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City of Kissimmee, DCK# 10-1D

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sfwmd.gov

South Florida Water Management District
 Environmental Resource Regulation
 Regulatory Program Support - O&B Section
 3031 Our Club Road
 Winter Park, Florida, FL 32789
 Phone: (407) 882-9987

Display Source
 Selection Catalog Layouts

Drawing Arial 10 B I U

Database: Phase I

- **Comp Plan activities converted to a database with spatial component**
- **Improve our ability to manage information and ID problems areas**
- **Improved tracking and reporting**

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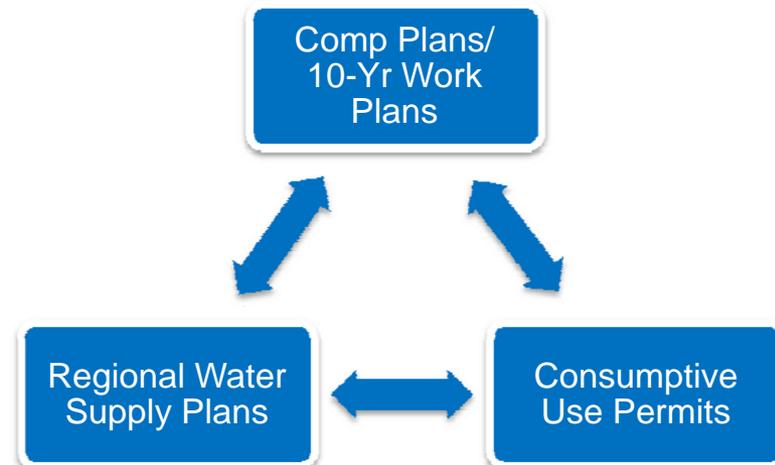
MAIN Inter-Governmental Policy and Planning Division

ID:	2009-0675	DRAFT_RECIEVED_DATE:	
FROM:	DCA	RECEIVED_DATE:	3/31/09
DOC_TYPE:	EAR	INTERNAL_DUE_DATE:	
LOCAL_Government:	Kissimmee	SECTION_REVIEW_DATE:	
COUNTY:	OS	DCA_REVIEW_DATE:	
DOCUMENT_ID:	DCA Notice to Review	DCA_DUE_DATE:	
REVIEWER:	HB	DCA_SENT_DATE:	
AMENDMENT_NO:	EAR	DCA_MEETING_DATE:	
COMMENTS:	Proposed EAR		
REVIEWED_BY_QUARTER:		DRI:	
LARGE_SCALE:		CIE:	
WORK PLAN:		SCHOOL_PEFE:	
EAR:		SMALL_SCALE:	
		ALT_REVIEW:	
		PLAN:	
		CATEGORY:	
		STATUS:	

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Database: Phase II

- **Database for Comp Plans/10-Yr Facility Work Plans/Water Supply Plans/Permits**
 - **Needs assessment: Water Supply Plans, Water Supply Planning and Regulation**
 - Population estimates & projections
 - Water supply demand estimates & projections
 - Facilities information
 - Conservation
 - **Spatial component**
 - **Strawman framework**



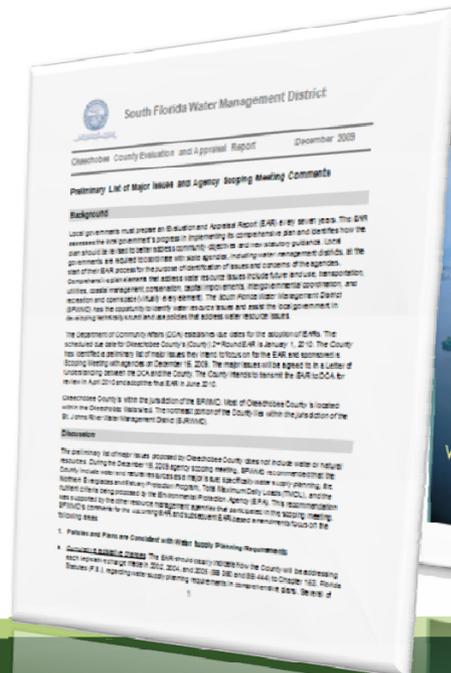
Evaluation and Appraisal Reports (EARs)

- Participate in the EAR process with local governments (assesses progress in implementing comprehensive plan and identifies how the plan should be revised to meet objectives and new requirements)
 - Water Supply Planning
 - Policies to Protect Water Resources
 - Not inconsistent w/ other District Programs and Projects



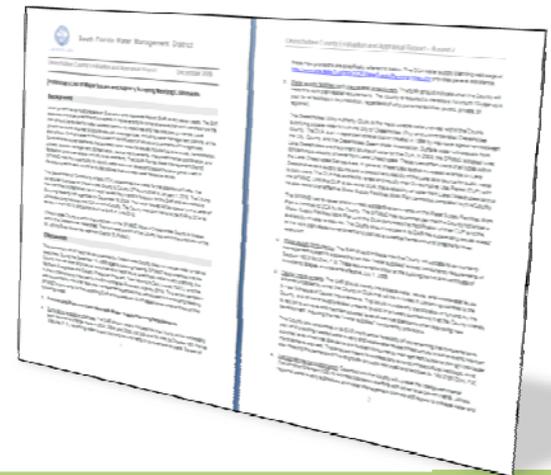
Evaluation and Appraisal Reports (EARs)

- Work with local governments and clearly articulate District needs with two tools:
 - Staff Report
 - Water Resource Planning Atlas



EAR – Staff Report

- Identify Major Issues that the local government should address in the Comp Plan
- Provides education on major issues
 - Links to information and projects
- Technical Resource
- Contacts for Technical Assistance



Water Resource Planning Atlas



- Highlights water resource planning issues in each County
- Ecosystem Restoration, Water Supply, Water Quality, Flood Control, Natural Systems
- St Lucie County Prototype
- Developing Lee and Palm Beach

WATER RESOURCE PLANNING ATLAS

2010-12 - Planning and Protecting Water Resources of the Region

Protecting Water Resources

Water Resource Planning Atlas

The atlas is organized into five sections regarding water resources issues and the growth-management process. The documents are meant to promote collaboration and advance efforts to proactively address water and land-related issues. The atlas is broken into sections that reflect the major mission statements of the District: Flood Protection and Resilient Management, Water Quality, Water Supply, Natural Systems, and Ecosystem Restoration. Each section provides a background and overview of the major issues being faced. The "Key Point" presents the response that the District will focus on addressing working with local government and other comprehensive planning efforts. The atlas is also intended to help local government better understand the areas of District focus when reviewing comprehensive plan amendments.

Introduction

Water Resource Planning serves to guide future development, while addressing the challenges associated with the current and emerging needs of local communities. Growth management is a critical component in the most sustainable, viable, and resilient development in the most suitable lands, while ensuring natural resources are not needed to meet the needs of our development with appropriate public infrastructure and services when and where they are needed.

Water quality, water supply, floodplain, wetlands, and other natural systems can be adversely impacted by growth. The management and protection of water resources is critical to the ability of citizens, businesses, and communities to prosper and sustain themselves. Investments in water supply, water quality, wetlands, flood control, and ecosystem restoration, stormwater protection, natural resources, and thoughtful long-range planning focused on ensuring high quality of life are important factors in sustainable growth. Water resource issues are not usually considered in any jurisdiction. Localized resolution of water resource issues is best resolved through cooperative efforts of multiple jurisdictions.

Local governments have diverse authority over land use decisions. The water management activities of the District and the land use planning of local governments, when coordinated, enhance the economic and environmental sustainability of the community. Successful planning activities often require the District and local governments to cooperate in providing each other with information to address water resource issues.

Evaluation and Approval Report Process (EAR)

Local governments may prepare or evaluate and approve future water use plans. Local government approval of the EAR is a critical step in the approval of comprehensive plan amendments. The EAR identifies how the plan should be revised to better address community objectives and the necessary public input. Local governments are required to coordinate with state agencies, including water management districts, in the development of water resource and approval report process for the purpose of identification of land use and concerns of the agencies.

Comprehensive plan elements that address water resource issues include future land use, transportation, infrastructure, ecosystem management, conservation, and recreation and open space. The District uses the EAR process to identify water resource issues and assist local government development projects that address the issues identified.

Water Supply Facilities Work Plan (Work Plan)

Local government and staffs of St. Lucie Water Utility Facility Work Plan is address:

- 1. future water supply needs
- 2. water supply storage
- 3. the building of all required facilities needed to meet existing and new development.

These work plans may include water supply proposals from the Regional Water-Land Use Enterprise Interactions. The District works closely with local governments in the preparation of the Regional Water Supply Plans. It also collaborates with local governments in preparing their future Water Supply Resource Work Plans. The required linkage between the work plans and the District water supply plans is the basis for the District's commitment to the SFWMD water supply issues. St. Lucie County adopted their Work Plan in February 2008.

Western Lands Study

St. Lucie County is conducting a Western Lands Study to address fundamental issues regarding the future land uses in the western part of the county. The goal of this effort is to consider new and innovative land use planning needs and strategies that:

- 1. protect and enhance property values
- 2. promote energy growth
- 3. foster cost-effective agricultural production
- 4. meet more efficient processes of local government services

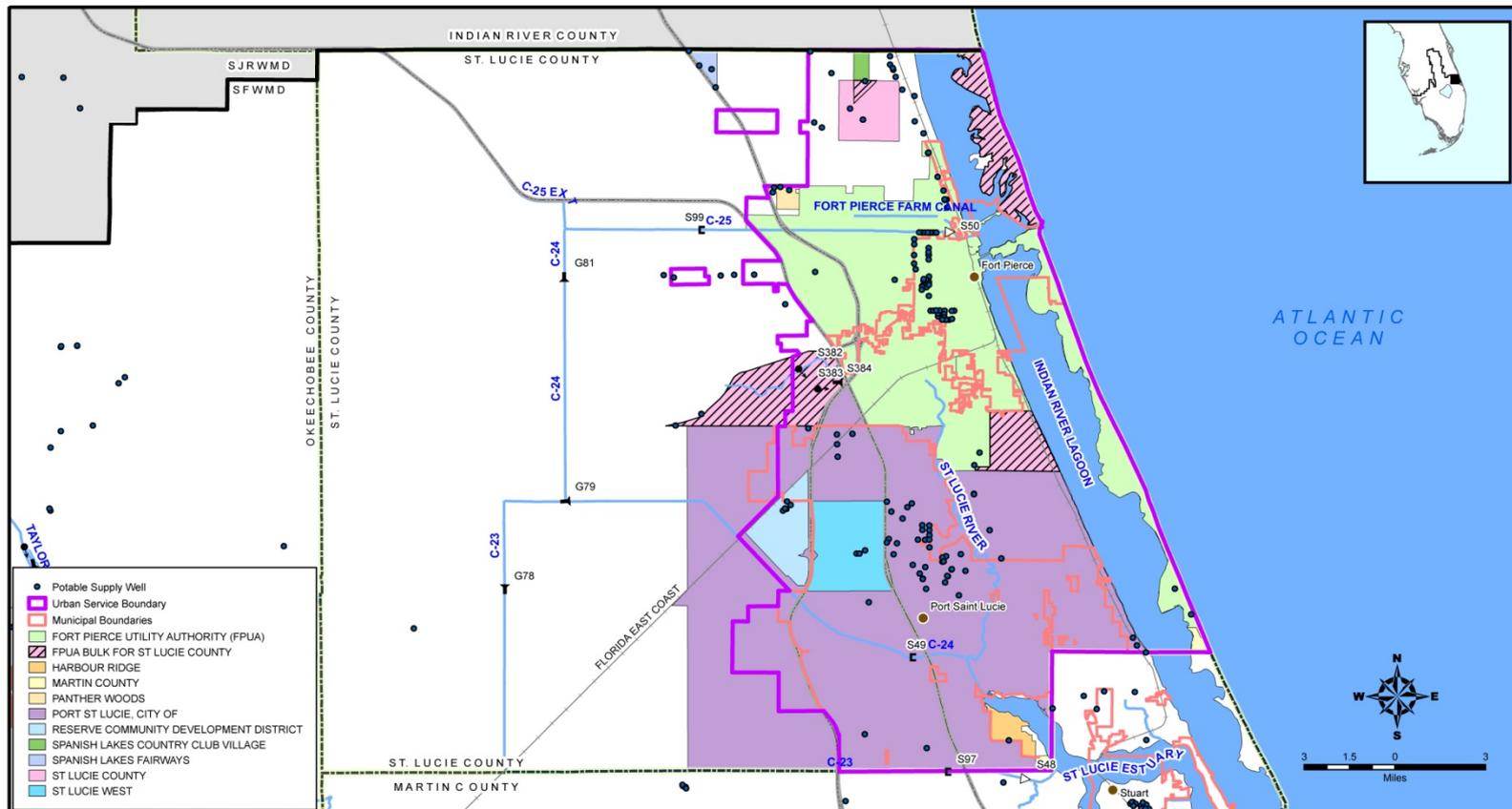
The study comes from the County's commitment to smart growth and infrastructure that is sustaining a network of high-quality open space and natural areas to support regional sustainability. The study provides an opportunity for the District to engage in the "front end" of the planning process. The District will support the County's efforts with technical assistance and high quality information to address water resource issues and infrastructure projects.

Final's Role

The District's role in growth management includes:

- 1. Review comprehensive plan amendments and other growth management-related documents to ensure that they are in accordance with the District's mission.
- 2. Provide technical assistance to local governments to water resources and the water growth management issues.
- 3. Respond to a request for proposed amendments or new systems that may be subject to District review based on program.

Water Resource Planning Atlas: Water Supply



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ST. LUCIE COUNTY WATER SUPPLY

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Created: June 17, 2010

Water Resource Planning Atlas: Water Supply



WATER RESOURCE PLANNING ATLAS

SFWMD - Managing and Protecting Water

Water Supply

Projected population growth over the next 20 years will increase water demands. Public water supply by 40 million gallons per day by the aquifer and surface water sources is a vital role in the future. Demand for water supply sources will play a vital role in the future. Demand for water supply sources will play a vital role in the future. Demand for water supply sources will play a vital role in the future.

Limited Water Availability

Essentially all surface water flows in the system, the Surficial Aquifer System underlie the area. Rainfall is the main source of water. Long-term use of this source must be managed. SAS is the principal source of water. 80% of possible capacity is reserved. Surface water and groundwater resources are affected by water management systems. Surface water management systems are a major concern. Surface water management systems are a major concern. Surface water management systems are a major concern.

Regional Water Supply Plan

The 2005 Florida Legislature revised (SB 360 and SB 444). The updated plan which can produce sufficient water utilities and other users or suppliers exceed their demands, as projected.

Upper East Coast Key Issues for Upper East Coast

- Regional solutions with diverse sources
- Water conservation
- Increase urban demands
- Future of Agriculture
- Future of Agriculture

DRAFT



Key Points

- **Ensure that the 10-Year Water Supply Facilities Work Plan is consistent with the Upper East Coast Regional Water Supply Plan**
- **Implement water supply development projects, conservation programs, and reuse programs that are consistent with the Upper East Coast Regional Water Supply Plan**
- **Promote Florida-friendly landscapes**

public involvement. Previous plans continue to be met with water supply sources through 2025.

Work Plans

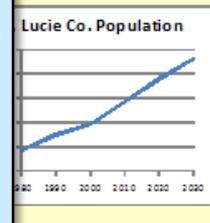
governments in preparing their 10-year water supply facilities work plan within 18 months.

water management district comprehensive plans. Local Water Supply Facilities Work Plan supply sources and the building of needed to serve existing and new water supply projects selected from their comprehensive plan or future needs.

all government to: supply plan adequate water supplies and public

new development no later than 18 months of occupancy and consult with

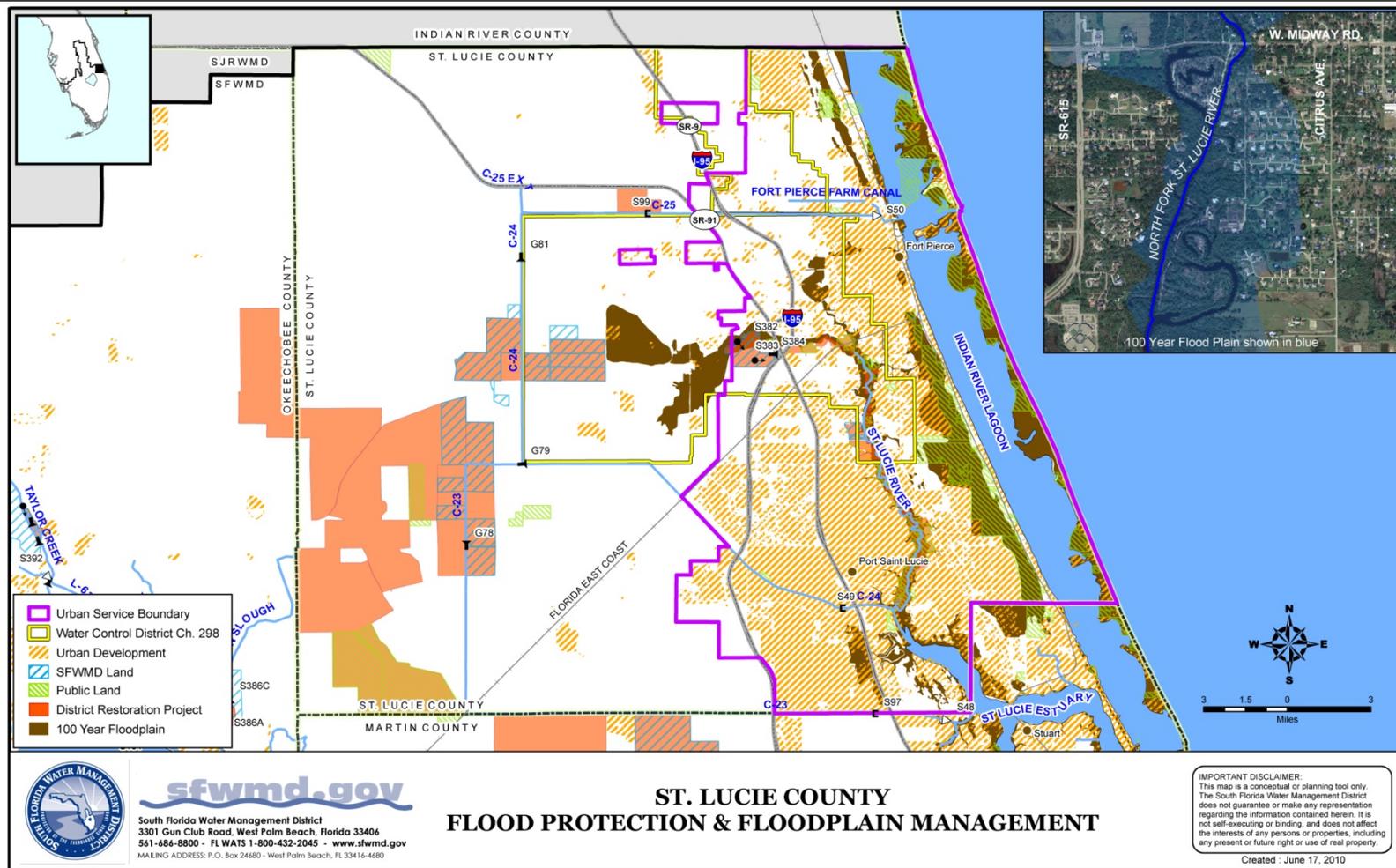
Water and Natural Groundwater



(Continued on page 8)

6/4/2010

Water Resource Planning Atlas: Flood Protection & Floodplain



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Water Resource Planning Atlas: Flood Protection & Floodplain



WATER RESOURCE PLANNING ATLAS

SFWMD - Managing and Protecting Water Resources of

Flood Protection and Floodplains

An important characteristic of the pre-drainage system flow. Water flowed so slowly over the low and flat land stored in the system during one season to use in the 19th and 20th centuries the historical drainage patterns altered. A drainage conveyance system was created to promote urban and agricultural development; allowing enter major drainage canals that discharge into the St. Lagoon. The C-23, C-24 and C-25 canals, constructed move water from the watershed and discharge directly surface hydrology is now largely governed by man-made natural hydrology.

Floodplains

Floodplains are areas adjacent to rivers susceptible to They provide storage for rainfall events and experience They support rich ecosystems, both in quantity and diversity relatively undisturbed provide a wide range of benefits systems, including:

- providing open space so flooding damage does not
- enhancing fish and wildlife habitats
- providing natural storage and erosion control

Development within floodplains can reduce these benefits flood damage.

Central and Southern Florida Flood Control

The C&SF was authorized by the U.S. Congress in 1948

- provide flood protection
- provide water supply
- prevent saltwater intrusion
- encourage agricultural and urban development
- preserve fish and wildlife

Most of the C&SF Project is in the Lower East Coast. Within the Upper East Coast, the system is less extensive. The St. Lucie Canal (C-44) was constructed for navigation and as a flood control outlet for Lake Okeechobee. There is a primary canal system in western St. Lucie County (C-23, C-24 and C-25), as well as an extensively developed secondary canal system.

DRAFT



Key Points

- **Develop or update Stormwater Master Plans using a watershed approach**
- **Ensure that land use changes consider the potential for flooding and the loss of basin storage in floodplains**
- **Ensure the long-term operation and maintenance requirements of stormwater systems are met**
- **Promote the use of natural systems for flood protection in lieu of structural approaches**
- **Ensure land use changes do not adversely impact the District's ability to operate and maintain its flood control system**

Management

Management resulted in unintended impacts on floodplains and water management provides the infrastructure necessary to reduce upstream and downstream impacts by distributing stored rainwater in the right amount. Stormwater management is a shared responsibility; maximum benefit only when all components are properly maintained. However, even the best stormwater systems cannot completely prevent flooding during heavy, prolonged downpours and hurricanes. To reduce the risk, the District works with federal, state and local government associations and others to improve conditions in the watershed. Measures include educating homeowner to properly maintain stormwater management facilities; providing grants to improve stormwater management; and assisting developers, engineers and architects with solutions to local drainage concerns.

Wetland restoration of the North Fork of the St. Lucie River has been a priority. Efforts are planned to reestablish the hydrologic regime of the North Fork and adjacent wetland systems. Marsh and oxbow shift from conveyance channels to oxbows, meanders, and other features across wetlands.

Districts

Special taxing districts responsible for drainage in local areas. In St. Lucie County, there are two: the Fort Pierce District (established 1919) and the North St. Lucie River Water District (1917). Both fall under the authority of Chapter 296, F.S.

Floodplain - Tropical Storm Fay



Basin (Homes flooded) (Homes dry - streets flooding by design)

Water Resource Planning Atlas: Production Schedule



County Water Atlas Schedule	FY10		FY2011			
	Q3	Q4	Q1	Q2	Q3	Q4
St Lucie	■					
Palm Beach, Lee & Osceola		■				
Hendry, Glades & Highlands			■			
Okeechobee, Martin & Miami-Dade				■		
Collier, Orange & Broward					■	
Polk, Charlotte & Monroe						■

Evaluation and Appraisal Reports (EARs)

- **Ongoing EAR efforts:**
 - **Collier**
 - **Charlotte**
 - **Miami-Dade**
 - **Broward**
 - **Okeechobee**
 - **Palm Beach**
 - **Highlands**
 - **City of Okeechobee**
 - **Lee**
 - **St. Lucie (Western Lands Study)**
 - **Hendry**
 - **Monroe**



Other Large/Regional Planning Arenas

- **Attend Regional Planning Council Meetings**
- **Joint Land Use Study Avon Park Air Force Range**
- **Southeast Florida Partnership: Sustainable Communities Initiative**
- **East Central Florida 2060 Plan**
 - **Water Chapter**
- **Osceola County Conceptual Master Plan**
- **Heartland 2060: Regional Visioning Process**
- **Climate Change Initiatives**



Examples: Working with Local Governments

- **Hendry County: Protect C-43 Reservoir and District lands**
- **Palm Beach County: Input and comments on draft policies**
- **Okeechobee County: Consistent message on water supply planning**
- **Miami-Dade County: Providing technical info and expertise**
- **Palm Beach County and Florida's Heartland Rural Economic Development Initiative Broadband Environmental Application**



Next Steps

- **Meet with Service Centers to improve collaboration**
- **Meet with Regional Planning Councils on Staff Reports and Water Atlas**
- **Continue to meet with local planning departments**
- **Present at Board of County Commission Meetings**
- **Continue to provide local governments with available information and assistance**
- **Ongoing EAR support**
- **Refine and continue developing tools**

