

**Waterways Plan for  
Martin & St. Lucie Counties**

Presentation of  
Work-in-Progress

Project Steering Committee Meeting  
May 29, 2014

This slide features a background image of a sunset over a body of water with a wooden pier. The title is in large, bold, blue font with a white outline. The subtitle and meeting information are in white font.



*A Multi-Agency Process...*

**St. Lucie** Transportation Planning Organization

**MARTIN MPO**

**STUART** ON THE ST. LUCIE

**TCRPC** REGIONAL PLANNING COUNCIL

*... that includes the Community!*

## Educational Forums & Public Workshops

Forum on Marine Transportation	December 19, 2013	Indian Riverside Park Jensen Beach
Forum on Land Use & Upland Transportation	January 8, 2014	Historic City Hall Fort Pierce
Forum on Regulation & Management	January 29, 2014	Stuart City Hall Stuart
Forum on Natural Resources	February 27, 2014	Port St. Lucie Community Center Port St. Lucie
Forum on Recreational, Cultural & Educational Resources	March 12, 2014	Port Salerno Community Center Port Salerno
Forum on the Economics of the Waterways	May 2, 2014	Historic City Hall Fort Pierce
Public Workshop #1	May 7, 2014	Port St. Lucie Civic Center Port St. Lucie,
Public Workshop #2	May 8, 2014	Indian Riverside Park Jensen Beach
Public Workshop #3	May 9, 2014	Historic City Hall Fort Pierce
Public Design Studio	May 19-23, 2014	TCRPC Office Stuart

## A Few of the Things We Heard...

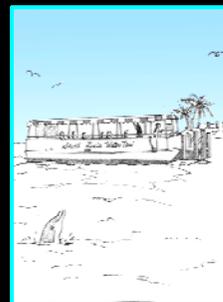
- Protect the waterways – reduce discharges from the Lake, uplands, other
- Increase public access to the waterways via parks, bridges, riverwalks
- Help protect & advance the marine industries
- Explore a system of water taxis to connect waterfront destinations
- Create more canoe/kayak launches with parking & amenities
- Use publicly-owned lands for water-related activities
- Reduce navigational constraints (RR bridge, maintenance dredging)
- Increase opportunities for and awareness of pump-outs & responsible boating
- Restore spoil islands and habitat areas; increase camping and public access
- Expand educational programs about natural resources, history, hydrology
- Support waterfront villages and expand waterfront destinations
- Expand education & training for marine industries (high school & college)
- Build upon water sports activities & eco-tourism to enhance hospitality
- Complete multi-use paths to waterfront destinations & along canals
- Uncertainty about Port of Fort Pierce's future
- Implement CRA Plans in waterfront villages & add more destinations
- Need for more hotels with waterfront access or connections
- Potential for designated anchorages to protect waterways
- Protect & support commercial & recreational fishing

## The Citizens' Master Plan



## Key Findings: *Marine Transportation*

- Need for Maintenance Dredging (*inlets & channels*)
- Need for Improved Boater Facilities (*ramps, docks, parking*)
- St. Lucie River RR Bridge
- Potential for Water Taxis
- Improved Navigational Aids
- “Alternative” Marine Modes (*seaplanes, high-speed ferries*)
- Designated Anchorages



## Many Types of Boat Users



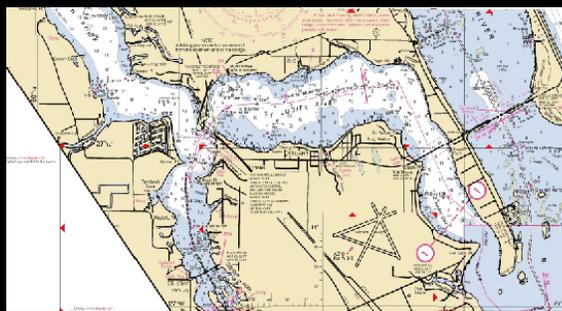
BOAT REGISTRATION (2013)		
COUNTY	PLEASURE BOATS	COMMERCIAL BOATS
MARTIN	14,781	541
ST LUCIE	12,782	448
<b>TOTAL</b>	<b>27,563</b>	<b>989</b>



## Non-Motorized Boating



## *Depths, Shallows & the Need for Consistent Access*



## Maintenance Dredging

- Maintenance of Martin & St Lucie Waterways:
  - USACE: Inlets, Intracoastal & Okeechobee Waterways
  - FIND: Intracoastal Waterway (provision of dredge upland sties), Okeechobee Waterway/St. Lucie River S. Fork
  - SFWMD: Okeechobee Waterway, Canals
  - Local Governments: All other waterways
- Dredging programs are designed to maintain designated channels at project depths
  - ICWW North of Fort Pierce: 12 feet
  - ICWW South of Fort Pierce: 10 feet
  - St Lucie River/South Fork/Okeechobee WW: 8 feet
  - Manatee Pocket – main channel: 10 feet
- Controlling depths limit boating activities in high impact areas between dredging cycles



# Boat Ramp Inventory



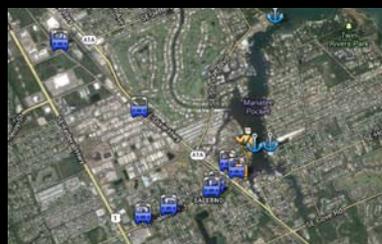
# St. Lucie River Railroad Bridge



Areas of Focus: EIS, Coast Guard assessment, Potential for SIS Funding

## Water Taxis

- **Service Assumptions**
  - Vessel Types & Speeds (3 - 15 knots)
  - Five-minute penalties for loading/unloading & additional stops
  - Varying route lengths (15, 30, 60 minutes)
  - Manatee speed restrictions
- **Operational Considerations**
  - Origins/Destinations, Parking
  - Special Event vs. Daily
  - On-Demand vs. Scheduled
  - Waterside Infrastructure
- **Station Screening**



## Water Taxi Operating Matrix

3-Knot Service				
Trip Time (minutes)	Knots Per Hour	Miles Per Hour	Miles Per Minute	Route Length
15	3.00	3.5	0.06	0.9
30	3.00	3.5	0.06	1.7
60	3.00	3.5	0.06	3.5
5-Knot Service				
Trip Time (minutes)	Knots Per Hour	Miles Per Hour	Miles Per Minute	Route Length
15	5.00	5.8	0.10	1.5
30	5.00	5.8	0.10	2.9
60	5.00	5.8	0.10	5.8
10-Knot Service				
Trip Time (minutes)	Knots Per Hour	Miles Per Hour	Miles Per Minute	Route Length
15	10.00	11.5	0.19	2.9
30	10.00	11.5	0.19	5.8
60	10.00	11.5	0.19	11.5
15-Knot Service				
Trip Time (minutes)	Knots Per Hour	Miles Per Hour	Miles Per Minute	Route Length
15	15.00	17.3	0.29	4.3
30	15.00	17.3	0.29	8.7
60	15.00	17.3	0.29	17.3



## Water Taxis: Short-Term Opportunities

- Fort Pierce City Marina to Causeway Island to Smithsonian
  - Short route distance; key connections; special events; existing water taxi looking to expand
- Sandsprit Park to St Lucie Inlet Preserve
  - Provides service to boat access only park
- Sandsprit Park through Manatee Pocket (Pirate's Cove Marina, Fish Market, Shrimpers Restaurant)
  - Provides service to established waterfront activities & restaurants; short route distance ; water taxi precedent for special events
- Downtown Stuart has a variety of marinas & destinations in existence today with others planned
  - Stuart Floating Dock, Loggerhead Marina, Sunset Bay Marina
  - Palm City locations: Riverwatch Marina, Leighton Park
  - Club Med Sandpiper – speed advantage; high potential volume

## Sample Water Taxi Routes

### Preliminary Average Trip Times

From	To	Mileage	Average Speed in Knots/Hour	Travel Time in Minutes	Origin Penalty	Stop Penalty	Destination Penalty	Ave. Trip Time
Fort Pierce City Marina	Harbortown Marina	1.8	5	32	5	0	5	29
Fort Pierce City Marina	History Museum & Smithsonian	1	3	18	5	0	5	28
Fort Pierce City Marina	Causeway Island	1.8	5	18	5	0	5	28
Sandsprit Park	St Lucie Inlet Preserve	2.3	5	24	5	0	5	34
Sandsprit Park	Pirate's Cove, Fish Market , Shrimper's Restaurant	1.8	3	30	5	15	5	55
Pirate's Cove	St Lucie Inlet Preserve	3.4	5	35	5	0	5	45
Club Med Sandpiper	Sunset Bay Marina (Stuart)	4.8	10	25	5	0	5	35

# Water Taxi Potential

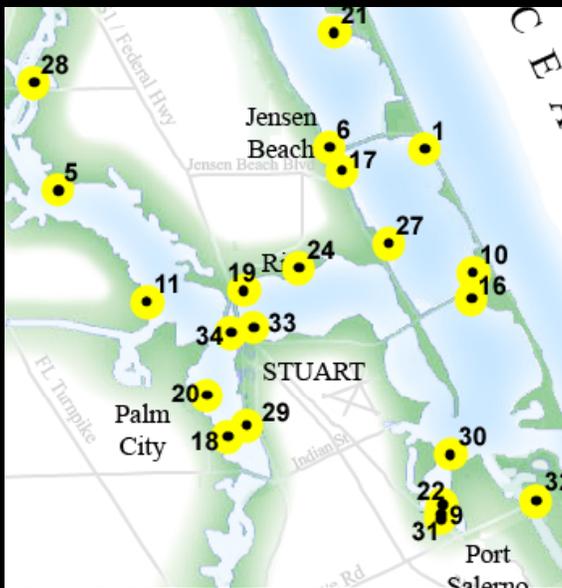
## Service Assumptions

- Vessel Types & Speeds
- Boarding/Alighting
- Sample Routes
- Manatee Speed Restrictions

## Operational Considerations

- Special Events
- Waterside Infrastructure
- Seasonal vs. Annual

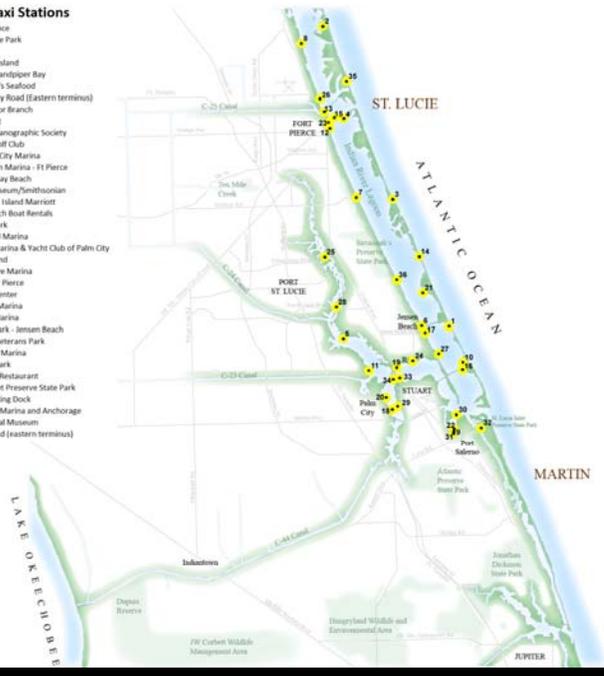
## Station Screening

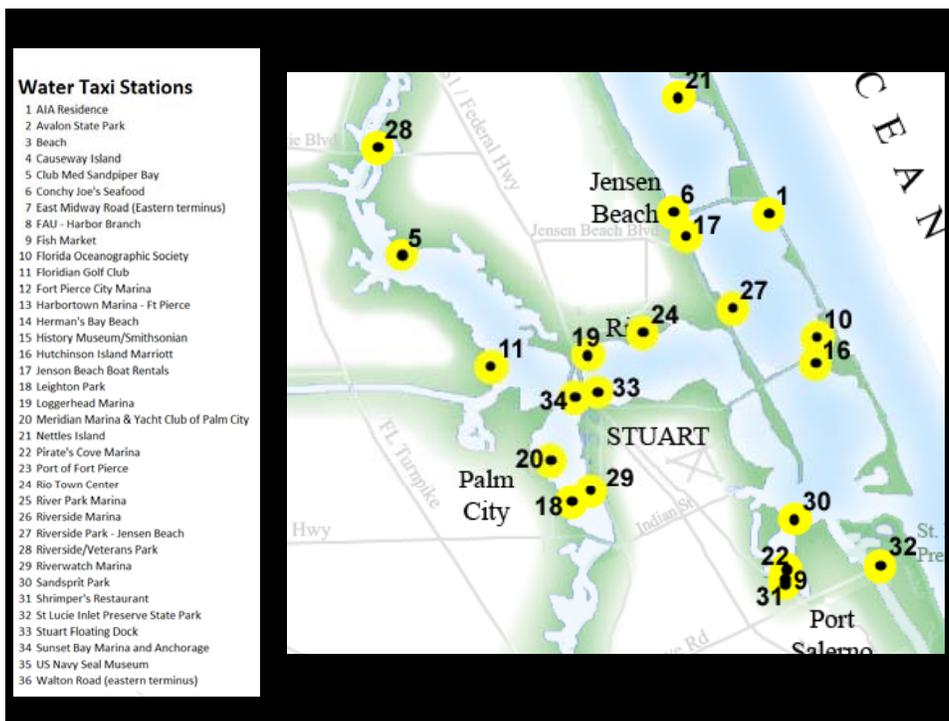


# Water Taxis

## Water Taxi Stations

- 1 AIA Residence
- 2 Avalon State Park
- 3 Beach
- 4 Casuarina Island
- 5 Club Med Sandspier Bay
- 6 Conchy Joe's Seafood
- 7 East Midway Road (Eastern terminus)
- 8 F&O - Harbor Branch
- 9 Fish Market
- 10 Florida Oceanographic Society
- 11 Floridian Golf Club
- 12 Fort Pierce City Marina
- 13 Harbortown Marina - Ft Pierce
- 14 Herman's Bay Beach
- 15 History Museum/Sandhsonian
- 16 Hutchinson Island Marriott
- 17 Jensen Beach Boat Rentals
- 18 Lighthouse Park
- 19 Loggerhead Marina
- 20 Meridian Marina & Yacht Club of Palm City
- 21 Nettles Island
- 22 Pirate's Cove Marina
- 23 Port of Fort Pierce
- 24 Rio Town Center
- 25 River Park Marina
- 26 Riverside Marina
- 27 Riverside Park - Jensen Beach
- 28 Riverside/Veterans Park
- 29 Riverwatch Marina
- 30 Sandspier Park
- 31 Shrimper's Restaurant
- 32 St Lucie Inlet Preserve State Park
- 33 Stuart Floating Dock
- 34 Sunset Bay Marina and Anchorage
- 35 US Navy Seal Museum
- 36 Walton Road (eastern terminus)





## Multi-Modal Connections



## Seaplanes & Water Ferries



TAKE A TRIP TO  
**KEY WEST**

This site is a Best On Key West inc. property  
and is an authorized ticket vendor  
for the Key West Express



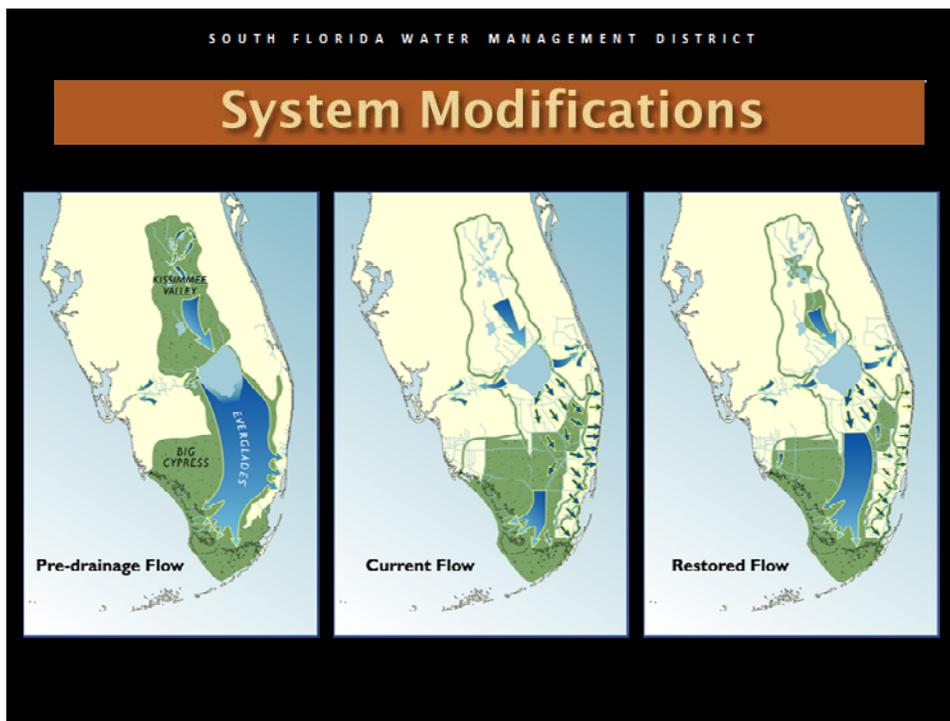
## 30 to 40 Knot Vessel Could Connect Fort Pierce with Freeport in 4 to 4.5 Hours

<b>30-Knot Service</b>				
Trip Time (minutes)	Knots Per Hour	Miles Per Hour	Miles Per Minute	Route Length
120	30.00	34.6	0.58	69.2
180	30.00	34.6	0.58	103.8
240	30.00	34.6	0.58	138.4
<b>35-Knot Service</b>				
Trip Time (minutes)	Knots Per Hour	Miles Per Hour	Miles Per Minute	Route Length
120	35.00	40.3	0.67	80.6
180	35.00	40.3	0.67	120.9
240	35.00	40.3	0.67	161.2
<b>40-Knot Service</b>				
Trip Time (minutes)	Knots Per Hour	Miles Per Hour	Miles Per Minute	Route Length
120	40.00	46.1	0.77	92.2
180	40.00	46.1	0.77	138.3
240	40.00	46.1	0.77	184.4

### Key Findings: *Natural Resources*

- Paramount Concerns over Water Quality  
(Discharges from Lake Okeechobee, Uplands, Other)
- Local & Regional Restoration Efforts
- Storm Water Management Programs
- Pump-Outs & Boater Education
- Restroom Accessibility for Boaters
- Environmental Education  
(K-12, Public At-Large)
- Inter-Agency Permit Protocol
- Deficiencies for Enforcement Personnel & Vessels
- Multiple Agencies with Overlapping Regulations





## Stormwater & Water Quality Programs

This collage features several elements related to environmental programs:

- ORCA "Kilroy"**: A small boat-like device used for water sampling.
- Ft. Pierce City Marina**: A logo for 'The Sunrise City' with a complimentary pump out service.
- Construction Site Stormwater Pollution Hotline**: A photo of a construction site with a green pipe.
- City of Stuart, Florida Watershed Basin Boundary Map**: A detailed map of the watershed basin.
- NEW FERTILIZER ORDINANCE**: Text stating that St. Lucie County BOCC approved fertilizer rules effective June 1, 2014. Includes links for 'Fertilizer Ordinance 2014-3', 'Fertilizer Ordinance Brochure', and 'Landscape Professionals Brochure'.
- Stuart**: A photo of a blue garbage truck.
- DUMP NO WASTE DRAINS TO LAGOON**: A logo featuring a fish.
- SPEAK UP for the St. Lucie & C-44 Project**: A call to action with a speech bubble and the website [www.marlin.fl.us](http://www.marlin.fl.us). Includes the City of Marlin logo and the text 'Speak up for the St. Lucie' and '2,071 times - 17 talking about this'.

## Natural Resources



## Natural Resources



## Key Findings: *Land Use & Upland Transportation*

- Waterfront Villages & Centers

- |                       |                         |
|-----------------------|-------------------------|
| - <i>Port Salerno</i> | - <i>Palm City</i>      |
| - <i>Stuart</i>       | - <i>Indiantown</i>     |
| - <i>Rio</i>          | - <i>Fort Pierce</i>    |
| - <i>Jensen Beach</i> | - <i>Port St. Lucie</i> |



- Multi-Modal Connections

- Last-Mile Transportation for Boaters

- “Micro-Transit” & Alternative Modes

- Waterway-Focused, Eco-Themed Art

- Water Taxi Stations as Central Nodes



## Overview of Waterfront Villages & Centers

- Successful Redevelopment Underway
- Economic & Market Studies to Evaluate Land Use Potentials
- Better Organized Waterway Activities Enhance (or Induce) Market Potentials
- Current Development Interest Indicates Market Recovery



## Objectives of the Economic Analysis

- Identify “Economic Value” of 120+ Miles of Waterways in Martin & St. Lucie Counties
  - ✓ Intracoastal Waterway, St. Lucie River, Canals
- Evaluate Marine-Related & Supporting Industries
  - ✓ Marine-support (boat building, repair & sales, etc.)
  - ✓ Marina activities (recreational/commercial boating, marinas, etc.)
  - ✓ Supporting Industries (Hospitality, Eco-Tourism)
  - ✓ Port-related activities (TBD)
- Land Use & Upland (Re-) Development Opportunities
  - ✓ How do long-term growth forecasts in key indices translate into economic opportunity?
  - ✓ Economic development versus real estate development



**Key Focus Areas:**  
 Port Salerno, Stuart, Rio,  
 Jensen Beach, Indiantown,  
 Fort Pierce

## Land Use & Upland Economic Opportunities: Port Salerno

### Demographics

- 10,100 residents (7% of County) in “CDP”
- Population has declined since 2000
- 3,100 jobs in CRA (4% of County)

### Real Estate Market Condition

- Limited available data on workplace inventory, leasing activity
- Retail sales of \$44,000 per capita – highest of all study areas – illustrates regional destination, retail sales “in-flow”, market strengths in Food & Beverage

### Economic Opportunities

- Celebrate authenticity of “working waterfront” & fishing culture
- Cluster of marine services industries along waterfront & in nearby industrial park



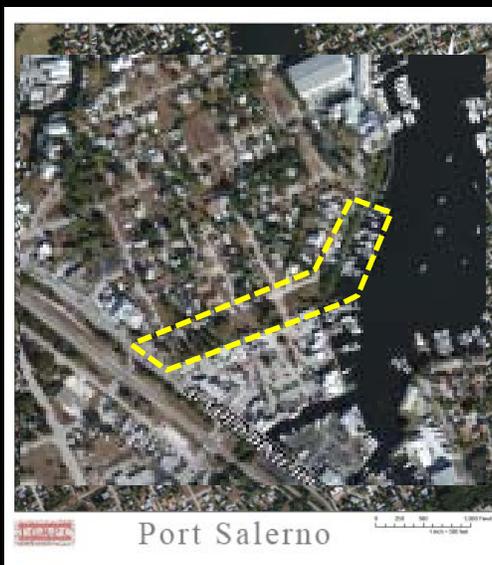
## Land Use & Upland Economic Opportunities: Port Salerno

### Economic Opportunities

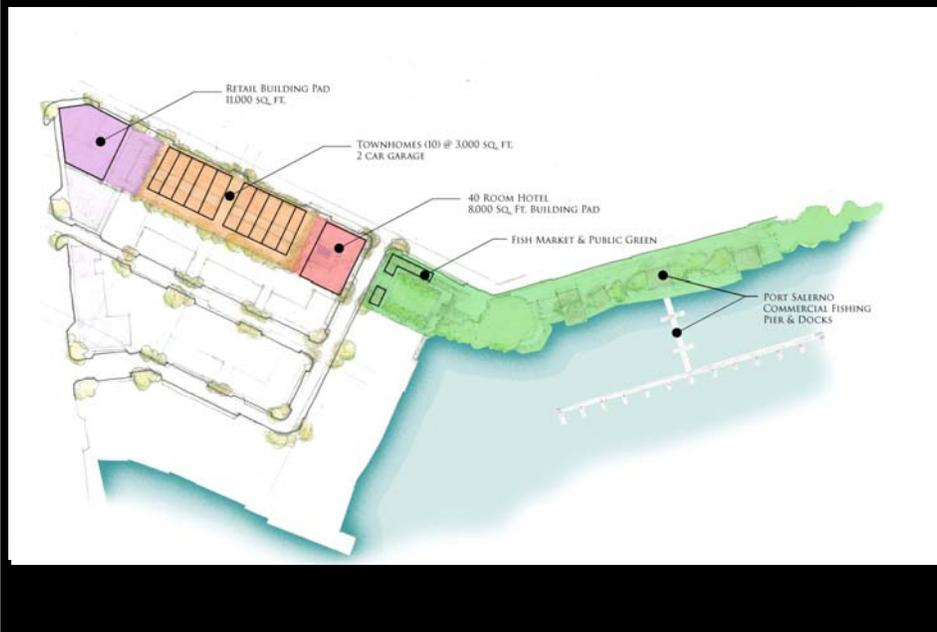
- CRA investment in public realm improvements intended to leverage private investment
- Opportunity for infill residential that maximize water views, fishing village environment
- Locational advantages attractive for specialty lodging
- Growth potentials:
  - ✓ **400 new jobs** (2021) if Port Salerno maintains 4% share of Martin County
  - ✓ Potentially translates into **125,000 SF of workplace real estate** (gross demand)
- Economic analysis to test market support for specialty lodging (e.g., 20-40+ room inn) and reasonable demand for other uses



## Port Salerno: *Authentic Fishing Village*



## Port Salerno: *Authentic Fishing Village*



## Land Use & Upland Economic Opportunities: Stuart

### Demographics

- 15,600 residents (<11% of County)
- **2,200 new residents** by 2035 if current share of County maintained
- 34,800 jobs (46% of County)

### Real Estate Market Conditions

- 'Workplace' uses: 12.7 million SF
  - ✓ Office (20%)
  - ✓ Retail (48%)
  - ✓ Industrial (32%)
- Vacant space: 1.2 million SF (9.2%)
- Activity since 2011 suggests ongoing economic recovery
- 740 housing starts (2004-2012) (13% of County); City comprises:
  - ✓ 4% of County's single-family starts
  - ✓ 43% of multi-family starts



## Land Use & Upland Economic Opportunities: Stuart

### Economic Opportunities

- Regional retail, entertainment & dining destination
- Potential transportation hub to reinforce regional role in marketplace
- Publicly-owned sites with significant waterfront views & access
- Diverse economy: government, medical, tourism
- Growth potentials:
  - ✓ **4,700 new jobs** (2021) if City maintains its 46% share of County
  - ✓ Potentially translates into **1.42 million SF of workplace real estate** citywide (gross demand)
  - ✓ Allocation to study area contingent on availability of sites, carrying capacity
  - ✓ Awaiting data to test hotel potentials



## Stuart: *Sailfish Capital & Cultural Venue*

Proposed Stuart hotel could bring new dynamic to downtown Stuart | Photo gallery, Interactive

By Lisa Broadt

Posted May 23, 2014 at 10:39 p.m., updated May 27, 2014 at 6:51 p.m.

Discuss Print A A A f t e



## Land Use & Upland Economic Opportunities: Palm City

### Demographics

- 23,120 residents (16% of County) in "CDP"
- **8,000+** new residents by 2035 if current share of County maintained
- 600+/- jobs in CRA (1% of County)

### Real Estate Market Conditions

- Limited available data on workplace inventory, leasing activity
- Retail sales of \$15,000 per capita are 3<sup>rd</sup> highest among study areas

### Economic Opportunities

- Locations for new residential development not known at this time
- Limited number of available waterfront sites likely to limit opportunities for mixed-use
- Strong waterfront views & recreational boating access



## Land Use & Upland Economic Opportunities: Palm City

### Economic Opportunities

- Charley Leighton Park offers opportunities to:
  - ✓ Expand water sports (rowing)
  - ✓ Improve public access to waterfront
  - ✓ Strengthen active water sports economic theme
  - ✓ Redevelop existing public boat ramp/launch
- May represent opportunity to generate incremental revenue for Martin County with commercial component(s)
  - ✓ Revenue stream could offset capital costs of improvements
- Economic analysis to test market support for Food & Beverage use(s) at Charley Leighton Park



## Old Palm City: *Rowing Niche Opportunity*



## Old Palm City: *Rowing Niche Opportunity*



## Land Use & Upland Economic Opportunities: Indiantown

### Demographics

- 6,100 residents (4% of County) in "CDP"
- **1,175 new residents** by 2035 if current share maintained

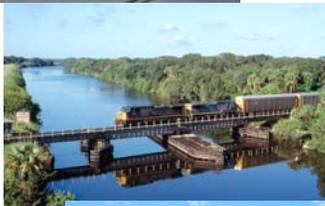


### Real Estate Market Conditions

- Limited available data on workplace inventory, leasing activity

### Economic Opportunities

- Location at nexus of state's transportation network
- Importance of understanding site characteristics to identify market opportunities
  - ✓ Developable acreage
  - ✓ Ownership
  - ✓ Access
- Marketability enhanced by lower land costs



## Land Use & Upland Economic Opportunities: Indiantown

### Economic Opportunities

- 1,175 new residents = **500+ new housing units**
- Other locational advantages key to future industrial development:
  - ✓ Proximity to FL Power & Light facility
  - ✓ Active railroad sidings
  - ✓ Vacant industrial-zoned parcels
- Findings suggest market opportunities for horizontal industrial development:
  - ✓ Warehousing & distribution
  - ✓ Capture increment of 726,000 SF of forecasted net demand for industrial space in Martin County by 2021
  - ✓ Market potentials/planning target to be determined based on available site(s), capacity



## Indiantown: *Industrial Opportunity*



### Land Use & Upland Development Opportunities: Rio

#### Demographics

- <1,000 residents (0.7% of County) in "CDP"
- Population has declined since 2000
- 600+/- jobs in CRA (1% of County)



#### Real Estate Market Conditions

- Limited available data on workplace inventory, leasing activity
- Retail sales of \$10,000 per capita

#### Economic Opportunities

- Spectacular waterfront vistas/views of Downtown Stuart enhance overall marketability of Rio for future economic growth



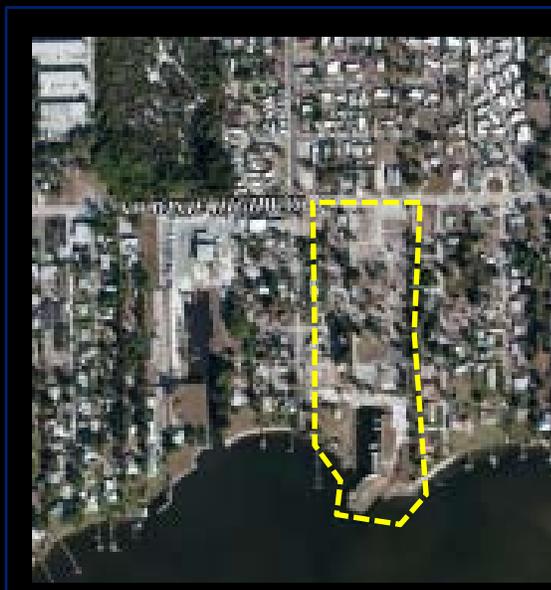
## Land Use & Upland Development Opportunities: Rio

### Economic Opportunities

- “Stuart Harbor” site assembled & plan proposes mixed-use with multiple uses
- Specific information on Stuart Harbor’s development program unknown at this time:
  - ✓ Live/work
  - ✓ Residential (MF, condos)
  - ✓ Office
  - ✓ Retail & restaurants
- Potential for significant private investment & activities/uses to strengthen Rio’s local economy



## Rio: *Waterfront Town Center*



## Rio: *Waterfront Town Center*



## Land Use & Upland Economic Opportunities: Jensen Beach

### Demographics

- 11,700 residents (8% of County) in "CDP"
- **1,350 new residents** by 2035 if current share of County maintained
- 100+/- jobs in CRA

### Real Estate Market Conditions

- Limited available data on workplace inventory, leasing activity
- Retail sales of \$28,000 per capita & spending from "in-flow" strengthen Jensen's role as retail destination

### Economic Opportunities

- Attractive, image-able beach town enhances prospects as regional destination
- Recent investment in mixed-use prototype



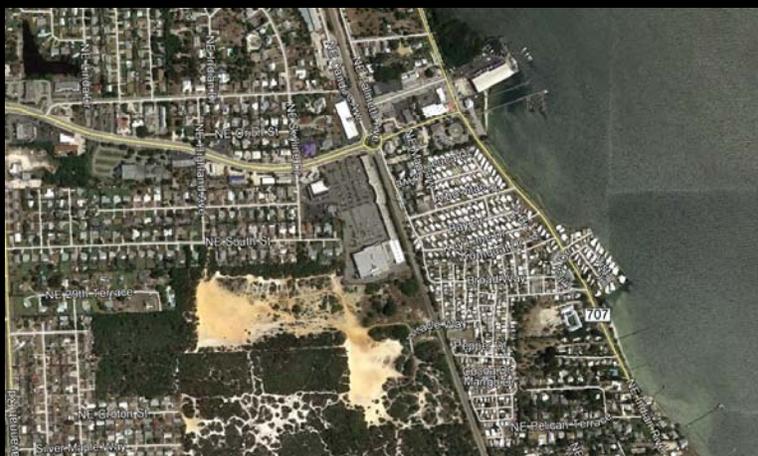
## Land Use & Upland Economic Opportunities: Jensen Beach

### Economic Opportunities

- Significant water views & access to both Intracoastal & Atlantic Ocean
- Value transition on waterfront trailer park site
- 1,350 new residents = **600+ new housing units**
- Clarify availability of site(s) for mixed-use redevelopment



## Jensen Beach: *Active & Scenic Waterfront*



## Land Use & Upland Economic Opportunities: Port St. Lucie

### Demographics

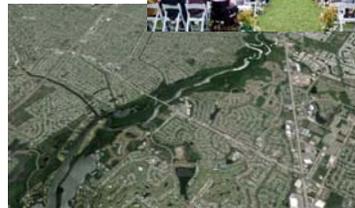
- Significant population growth since 2000: 75,800 new residents
- Current population: 164,600 (59% of County)
- Sustained annual growth rate of 6% per year

### Real Estate Market Conditions

- Limited available data on workplace inventory, leasing activity
- 21,200 housing starts (2004-2012) (77% of County); City comprises:
  - ✓ 86% of County's single-family starts
  - ✓ 24% of multi-family starts

### Economic Opportunities

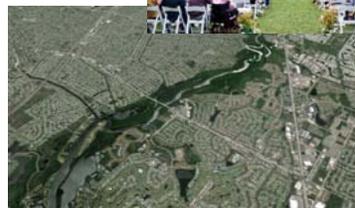
- Growing city with substantial population base & projected growth



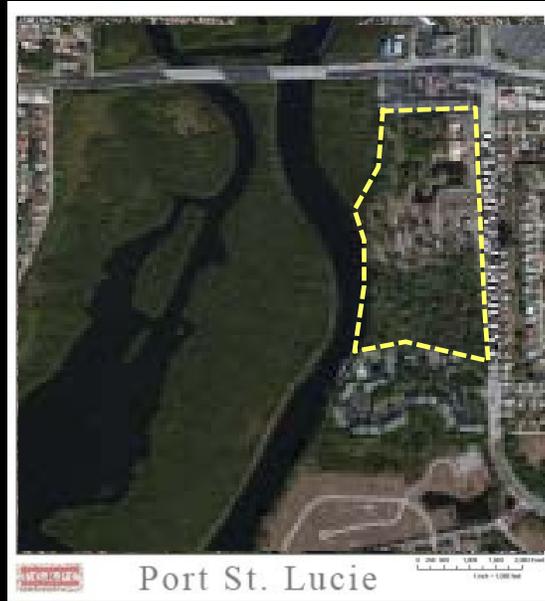
## Land Use & Upland Economic Opportunities: Port St. Lucie

### Economic Opportunities

- Strengthen destination role of city's waterfront with specific new uses such as restaurants
- Opportunity for City-led public/private partnership to locate restaurant (with or without lodging component)
- Opportunities to complement Botanical Garden/special event activity
- Proximity to Club Med may enhance overall marketability (combined with ongoing economic recovery)
- Growth potentials:
  - ✓ 97,000 new residents by 2035 if City maintains its 59% share of County
  - ✓ 97,000 new residents = **38,500 new housing units citywide** (2035)



## Port St. Lucie: *Riverfront Opportunity*



## Port St. Lucie: *Riverfront Opportunity*



## Land Use & Upland Economic Opportunities: Fort Pierce

### Demographics

- 41,600 residents (15% of SLC)
- 35,500 jobs (39% of SLC)

### Real Estate Market Conditions

- 'Workplace' uses: 14.5 million SF
  - ✓ Office (14%)
  - ✓ Retail (37%)
  - ✓ Industrial (49%)
- Vacant space: 1.3 million SF (9%)
- **156,000 SF** of positive leasing activity since 2011 suggests ongoing economic recovery
- 2,500+ housing starts (2004-2012) (9% of County); City comprises:
  - ✓ 3% of County's single-family starts
  - ✓ 51% of multi-family starts



## Land Use & Upland Economic Opportunities: Fort Pierce

### Economic Opportunities

- Multiple sites potentially available for infill redevelopment: **125+/- acres**
- Amenity value created by waterfront
- Importance of economic development initiatives that back-fill vacant commercial space in CBD
- Power plant site redevelopment will demonstrate market response to mixed-use/infill
- Local decisions required on Port's future:
  - ✓ Lack of consolidated site control
  - ✓ Multiple future options: identify specialty niche operations/break-bulk, vessel categories
- Growth potentials:
  - ✓ 10,000+ new residents = **3,900+ new housing units citywide** (2035)
  - ✓ **4,875 new jobs** (2021) if City maintains 39% share of County
  - ✓ Potentially translates into **1.46 million SF of workplace real estate** citywide (gross demand)



## Fort Pierce: *The Sunrise City*



*Maritime  
Academy  
Potential*

### Port of Fort Pierce

- Located in heart of downtown Fort Pierce
- Bordered to the South by city owned boat ramp and to North by private land holder
- Recently designated an "Emerging SIS Seaport" by FDOT
- 2013 Master Plan identified range of opportunities
  - » Niche cargo
  - » Maritime academy
  - » Ferry and/or seaplane berth & terminal
  - » Mega yacht service facility



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**CAMBRIDGE**  
STRATEGISTS

## Port of Fort Pierce Cargo Trends & Forecasts

- Port has historically handled variety of niche cargos
- Numbers have declined in recent years, but with rehabilitation to the channel and facility, niche cargo types can continue to be handled

Port of Force Pierce Cargo Type	FY 09/10	FY 10/11	FY 11/12	FY 15/16
TEUs	15,080	11,853	6,156	NA
Dry Bulk	77,000	52,380	20,400	NA
Liquid Bulk	4,000	3,842	880	NA
Break Bulk	55,000	37,410	-	NA
General Cargo	179,000	149,928	74,343	NA
Total Tons	315,000	243,560	95,623	807,000

Source: Florida Ports Council.

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## Port of Fort Pierce Potential Niche Cargo Opportunities

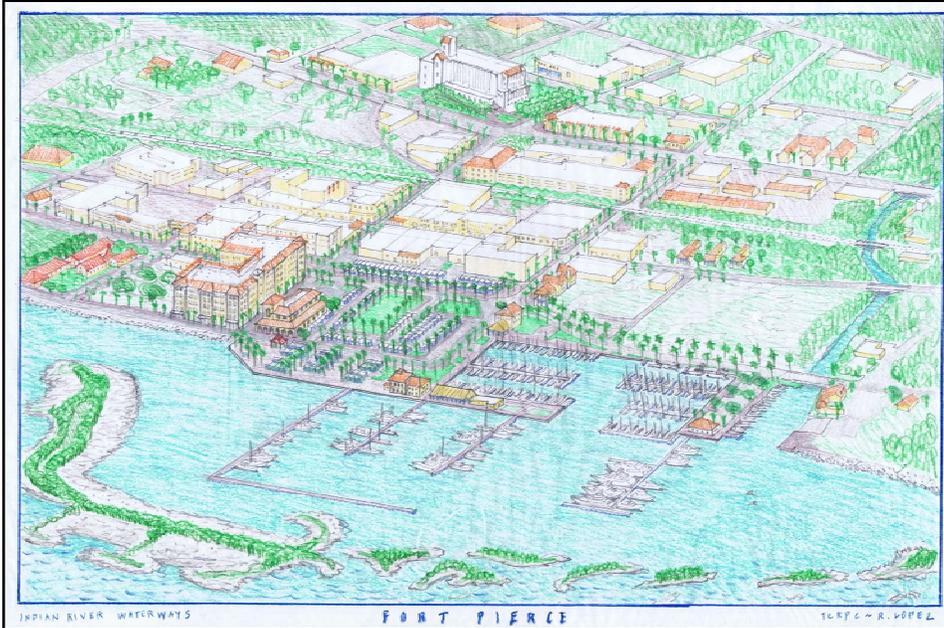
- Construction material
  - » Dry bulk: aggregates, cement
  - » Break bulk: lumber and steel
- Specialized cargo
  - » Large equipment
  - » Mega yacht supplies/equipment
- Consumer products
  - » Imported transshipments of containerized goods for local consumption
  - » Exported containerized goods to shallow draft ports in Caribbean



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## Fort Pierce: *The Sunrise City*



### Key Findings: *Recreation & Eco-Tourism*

- Inventory & Improve Passive Launches
- Expand Camping Facilities, Destination Campgrounds
- Expand Water Sports Concessions & Uses in Parks
- Formalize Blueways/Greenways Network
- Improve Paddling Facilities & Experience  
(*signage, kiosks, primitive camp sites, events*)
- Develop Inventory of Recreational Water Sports



## Key Findings: *Public Access*

- Need to Improve Existing Public Access Points
- Port St. Lucie – Largest Population with Least Access
- Potential of Canal Frontage for Multi-Use Trails
- Need Standards for Causeway Access
- Expand Boardwalks along Waterway Edges
- Need for Broader Access to Swimming Instruction



## Key Findings: *Economic Development*

- Constraints upon Marine Industries  
(*dredging, workforce, roadway network*)
- Impacts Upon Commercial Fishing industry  
(*water quality, fish markets, marketing*)
- Implementation of Unique Waterfront Villages
- Potential of the Hospitality Industry
- Potential of Water Sports Base & Eco-Tourism
- Benefits of Additional US Customs Facility
- Uncertainty of Port of Fort Pierce  
(*niche cargo, maritime academy, mixed-use*)





## Marine Industries – Career Training

- Development of high school “Career Track” within Martin & St. Lucie County School Districts
  - Foundational Courses (9<sup>th</sup> & 10<sup>th</sup> grades)
  - Off-site Instruction (internships) (11<sup>th</sup> & 12<sup>th</sup> grades)
  - Former Chapman School HS Program
  - Partnership with MIATC
- Opportunity to Expand Marine Industries Technical Training with IRSC

## The Water Sports Industry of Today



## The Water Sports Industry of Tomorrow?



# Paddleboarding

RACE LENGTHS	
Beginner	0-6 miles
Intermediate	7-15 miles
Advanced	16+ miles



06/07/2014	<a href="#">Sunshine State Games</a>	Sarasota	Florida	U.S.A.
06/07/2014	<a href="#">Surfguys SUP Race</a>	Melbourne	Florida	U.S.A.
06/21/2014	<a href="#">Paddle For Humanity - Florida</a>	Pensacola Beach	Florida	U.S.A.
06/21/2014	<a href="#">Sarasota SUP Series - Race #1</a>	Siesta Key	Florida	U.S.A.
06/28/2014	<a href="#">SUP N GO - Race #2</a>	Melbourne	Florida	U.S.A.
07/27/2014	<a href="#">Paddle For The Cash</a>	Daytona Beach	Florida	U.S.A.
08/02/2014	<a href="#">SUP N GO - Race #3</a>	Melbourne	Florida	U.S.A.
08/23/2014	<a href="#">Sarasota SUP Series - Race #2</a>	Sarasota	Florida	U.S.A.
09/07/2014	<a href="#">SUP N GO - Race #4</a>	Melbourne	Florida	U.S.A.
09/07/2014	<a href="#">BIC One Design North American Champs (SUP N GO)</a>	Melbourne	Florida	U.S.A.
10/11/2014	<a href="#">Sarasota SUP Series - Race #3</a>	Sarasota	Florida	U.S.A.
10/12/2014	<a href="#">SUP Invitational</a>	Monroe	Florida	U.S.A.

## The Hospitality Industry

- Need Better, Consistent Data (Direct & Indirect)
- Benefits from Maintaining Authenticity & Individuality of Waterfront Villages
- Secondary Benefits from Water Taxi System, Expanded Water Sports Base, Special Events
- Marketing & Branding

Club Med 

WORLDWIDE RESORTS  
LUXURY VILLAS & CHALETs  
ALL-INCLUSIVE VACATIONS



## Eco-Tours on the Waterways



INDIAN RIVER LAGOON AND SWAMPLAND BOAT TOURS



DOLPHIN WATCH BOAT TOURS \$7  
Capt. Adam Pozniak, Fort Pierce, FL

## Boat Builders and Dealers

- 27 boat builders
  - 17 Martin County
  - 10 St. Lucie County
- 30 Dealers (560 in the state)
  - 25 Martin County
  - 5 St. Lucie County
- 20 Brokers
  - 15 Martin County
  - 5 St. Lucie County



## The Fishing Industry

**Fort Pierce Lady Deep Sea Fishing Party Boat**  
Fisherman's Wharf, Fort Pierce, Florida

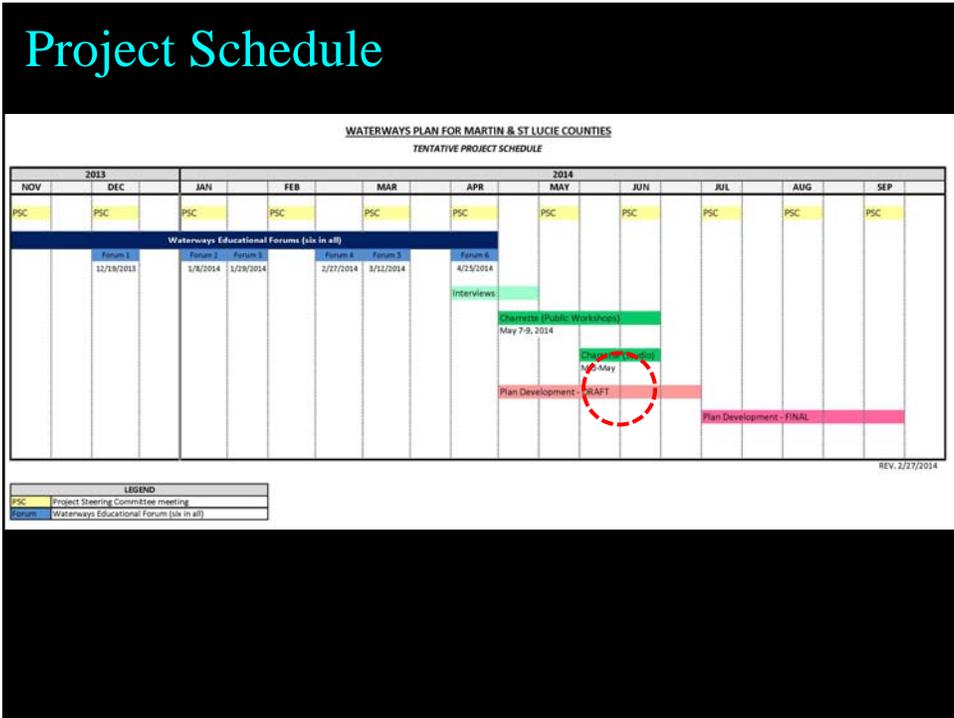


Nearly 100 charter boats & fishing guides in Martin & St. Lucie Counties



**Waist Deep Fishing Charters, LLC**  
Wade The Flats With Dave!





## Presentation Calendar

<b>Martin MPO Presentations</b>	Technical Advisory Committee (June 2) Citizens' Advisory Committee (June 4) Bicycle/Pedestrian Advisory Committee (June 9) Martin MPO Board (June 23)
<b>St. Lucie TPO Presentations</b>	Technical Advisory Committee (July 15) Citizens' Advisory Committee (July 15) Bicycle/Pedestrian Advisory Committee (July 17) St. Lucie TPO Board (August 6)
<b>St. Lucie TPO – FINAL</b>	St. Lucie TPO Board (September 16)
<b>Martin MPO - FINAL</b>	Martin MPO Board (September 27)
<b>FIND Presentations</b>	TBD
<b>Other Presentations</b>	TBD

**Waterways Plan for Martin & St. Lucie Counties**

FOR MORE INFORMATION:

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