



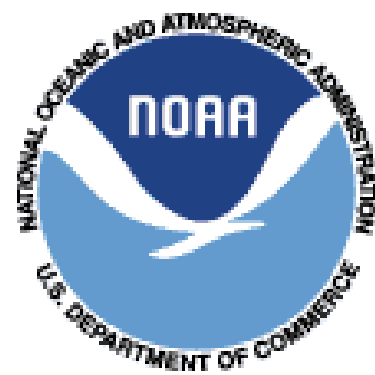
TAMPA PORT AUTHORITY

**Port of Tampa
Tampa Portfields Meeting**

May 18, 2005



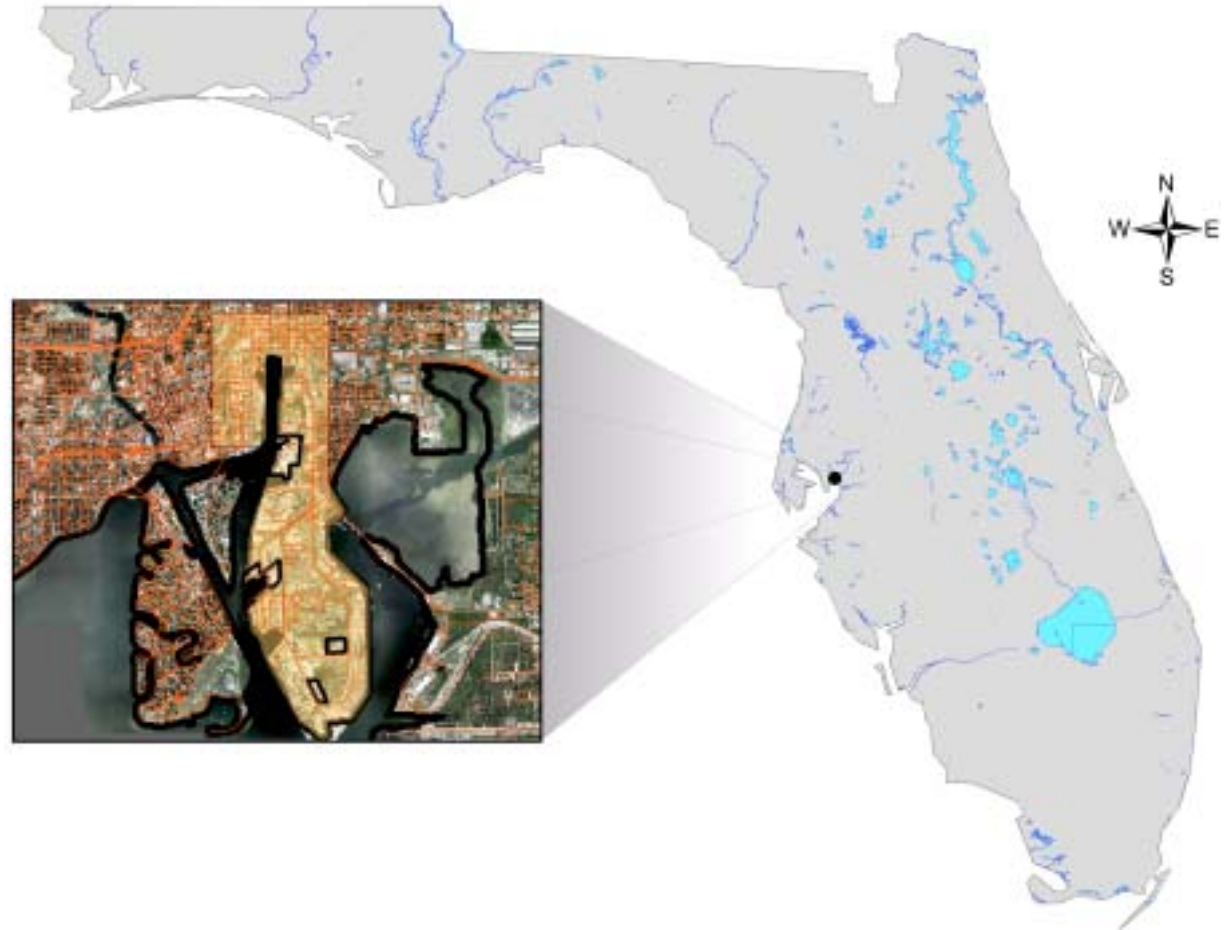
Welcome Portfield Partners



Federal & State Portfield Partners



Port Location





Port of Tampa

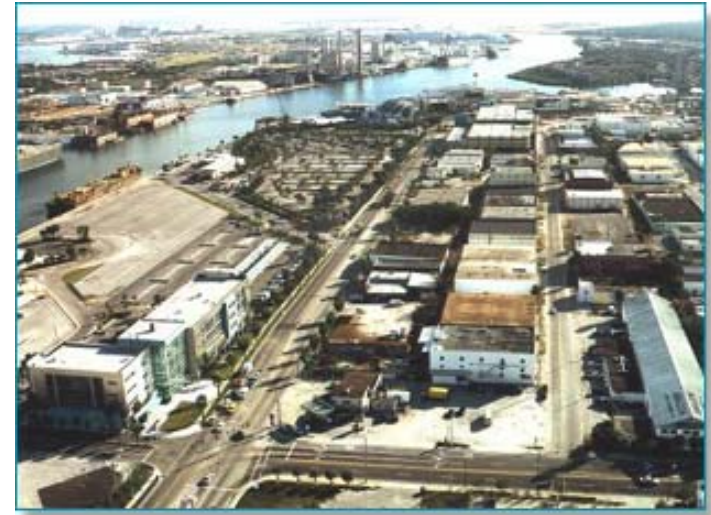
Port Facts

- Created in 1945 by Florida Legislature
- Florida's Largest Seaport and Estuary (Tampa Bay)
 - 400 square mile estuary
 - >2,500 sq. mi. watershed
 - Bay averages only 12' depth
- One of the Largest Cargo Ports in the Nation
- 4,003 Vessels/49.7 M tons of Cargo; >11,000 daily truck movements; Nearly Half of all Seaborne Commerce in Florida
- \$13 Billion Annually to Local Economy
- \$3.74 Billion into Wages and Salaries
- Supports 108,000 Jobs in Tampa Bay Region
- Petroleum Was #1 Commodity in & Out of Port
 - West Central Florida Businesses, Residents, Regional Airport, Dependent on Inventory Supply



Port of Tampa Operations

- Owns over 2500 acres
 - 300+ acres available
- Landlord port
- 40+ mile channel
- Annual capital program: \$50+ million
- Keep the port doors open: \$8-\$10 million
- \$3.8 Million Ad Valorem and Other Taxes
- Non-revenue generating projects
 - Dredging
 - Spoil Islands
 - Security



2002 Top Imports

<u>RANK</u>	<u>COMMODITY</u>	<u>TONNAGE</u>
1	PETROLEUM	17,448,879
2	COAL	6,572,081
3	SULPHUR	3,693,612
4	AMMONIA	2,567,367
5	LIMESTONE	1,103,085
6	CEMENT	792,291
7	GRANITE	611,918
8	GYPSUM ROCK	573,529
9	STEEL	337,788
10	SULPHURIC ACID	324,174



Major Initiatives

- Cruise development
- Container initiative
- Mixed use development
- Industrial development
- Channel widening
- Transportation Initiatives
 - 6 Proposed Major Roadway Projects
 - Improvements to Rail
 - Improvements to Port Terminals



Brownfields History at TPA

- Consistent With Port's Master Plan
- January of 2001 - City of Tampa Designated State Brownfields Area
- 2002- Expansion of City of Tampa EPA Brownfield Pilot Area
- 3 Brownfield Site Rehabilitation Agreements with Florida Department of Environmental Protection (FDEP)
 - Port Ybor
 - Former Tampa Scrap Processors
 - Tampa Bay Ship Building & Repairs



**Brownfields Sites in
the Port of Tampa
Currently Being
Assessed and/or
Remediated.**



City of Tampa /EPA Brownfields Pilot Area TPA Brownfields Sites



Port Ybor

- 50 Acre Site
- Former Department of Defense (DOD), Iron Works, Marine Repair, Shipbuilding, General Industrial....
- Soil/Groundwater Contamination
 - Petroleum, Solvents and Metals
- Substantial Assessment and Remediation (Bioremediation) Completed



Port Ybor

- Future Plans

- General Cargo, Cruise Ship Terminal, Light Industrial, Office, Warehouse
-Economic Development Agency (EDA) Partnership –1M\$ to Reconstruct Bulkhead

Further Assessment Funds

Needed!



- No Further Action Required (NFA) Issued by FDEP for a 15-Acre Portion; 285,000 sq. ft. warehouse nearing completion, grand opening in 6-8 months. Future site of a mixed use multi-modal development.



Former Tampa Scrap Processors

- 10 Acre former Scrapyard
- Metal Recycling, Oil Filters
- Petroleum, Solvent, Metals
- Proposed Use – Bulk Cargo
- Assessment (125K), Remediation(200+K), Redevelopment \$'s Needed

Remediation Funds Needed!



Tampa Shipbuilding & Repair

- 40 Acre Active Shipyard
 - Supports 500 maritime jobs,
 - Facility operates 24-7
- Ship Building, Repair, Dry Dock, Facility
- Auto Shredder, Oil Filters
- Petroleum, Solvent, Metals-Soil & Groundwater
- Contamination Limiting Expansion
- Assessment (75K), Remediation(200K), Redevelopment \$'s Needed



Gulf Marine Repair

- Gulf Marine – 5.24 Acres

- Current Ship Fabrication & Repair Facility

- Former DOD Site and Part of Port Ybor BSRA

- Petroleum, Solvent, Metals- Soil & Groundwater

- Received Targeted Brownfield Assessment (TBA) Funding from FDEP, may include some source removal.,



Redevelopment \$'s Needed!





Portfields Initiative



- Port of Tampa selected in September 2003 as one of three Portfields Pilots nationwide, along with:
 - New Bedford, Massachusetts
 - Port of Bellingham, Washington
- Portfields is a Federal interagency project spearheaded by NOAA with commitments from the EPA, Dept. of Labor, EDA, and others to partner with port communities to:
 - “help redevelop Brownfields and revitalize waterfront areas, improve marine transportation systems, and protect and restore coastal resources.”
- Tampa Port Authority Portfields Kick-Off Meeting Held April 2004, Included Federal Partners and Potential State and Local Stakeholders.





Portfields Kickoff



- January 2004 Portfields Pilot Announcement at the Port of Tampa
- NOAA Administrator Vice Admiral Conrad C. Lautenbacher, Jr., US Navy (Ret.)
- TPA Port Director and Board Chairman





Portfields Kickoff Meeting



■ April 2004 Kickoff Meeting

- Approximately 30 participants including many federal, state, and local partners.
- **Working Together!**
 - Florida Aquarium tour
 - Port Boat Trip
 - Meetings & Discussions





Portfields Kickoff Meeting



- Identified Potential Port of Tampa Portfields Projects
 - Brownfields Redevelopment
 - Targeted Brownfield Assessment & Site Specific Activity Cleanup Assistance
 - Habitat Protection, Creation, and Restoration
 - Tampa Bay seagrass impact/restoration studies
 - Bulkhead and Wharf Improvement Projects
 - Innovative Storm Water Treatment Project
 - Aquatic Nuisance Species Monitoring
 - Outreach Projects - Seaport Training & Employment Programs
 - Tampa Marine Institute At Risk Youth Program
 - Improving Tampa Bay PORTS & VTIS System(s)
 - Security Issues





Portfields Kickoff Assistance Matrix



Project	NOAA	EPA	ACOE	HUD	DOL	EDA	FWS	FDEF	WMD	City	TBEP
Habitat Protection, Creation & Restoration	✓		✓				✓	✓	✓		
Innovative Storm Water Treatment	✓	✓						✓	✓		✓
Brownfields Redevelopment	✓	✓	✓	✓		✓		✓		✓	
Bulkhead & Wharf Improvement		✓				✓					
Aquatic Nuisance Species	✓		✓								✓
Port Security	✓										
Seaport Training & Employment	✓										
Improving PORTS	✓										
Improving VTIS	✓										





Year One Successes

- Innovative Stormwater Management & Improvements
 - \$25,000 of NOAA funding designated for Port storm water enhancement and restoration.
 - Approved for \$45,000 matching grant from the Environmental Protection Commission of Hillsborough County - Pollution Recovery Fund for design, engineering permitting, and construction of project.
 - \$20,000 grant for GIS development services in an effort to identify land suitable for stormwater improvements and habitat enhancement on port-owned property.
- Brownfields
 - No Further Action Required (NFA) Issued by FDEP for a 15-Acre Portion of the Port Ybor Brownfield Area.
 - Submitted & Received Targeted Brownfield Assessment and Site Specific Activity grant for Port Ybor from FDEP.





Successes (cont'd)



■ Brownfields (cont'd)

- Construction started on mixed use multi-modal development (285,000 sq. ft. general cargo warehouse) incorporating institutional and engineering controls.
- Have remediation services company under contract.

■ Misc.

- Tampa Marine Institute (TMI) moves into new education center constructed on port-owned land by the TPA.
- Presentation at 2004 National Brownfields Conference in St. Louis.
- Port property (Spoil Disposal Island 2-D & Fantasy Island) to be augmented with an oyster habitat restoration pilot project from natural resource injuries as a result of acid spills in the Alafia River.



EPA/FDEP Targeted Brownfields Assessment (TBA) Program



- EPA and Florida Dept. of Environmental Protection (FDEP) have Memorandum of Understanding on the TBA Program:
- Targeted Brownfields Assessment Program, EPA and/or FDEP utilizes their contractor to perform:
 - site assessments
 - typical costs of the assessments range between \$50,000-\$100,000
 - develop cleanup options and cost estimates,
 - Typically program does not provide assistance to conduct site cleanup or demolition activities



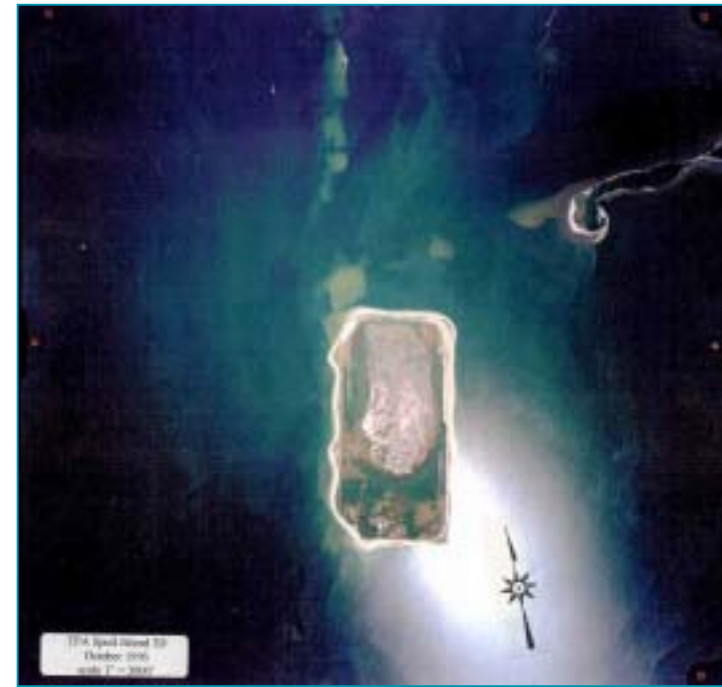
Wave Energy Study - Longshore Bar Project



- A local effort sponsored by the Tampa Bay Estuary Program to study wave energy (natural and/or man-made) to determine potential harm to seagrass beds in Hillsborough County, through the degradation and elimination of longshore bar systems and support the development of a seagrass recovery strategy in Hillsborough Bay.
 - This project is proposed to identify areas in Hillsborough Bay where seagrass may not recover due to natural and/or man-made waves, and where shoreline erosion may be expected if wave energy is increased, thus providing information needed for long-term habitat management strategies. Results will also be used in the design and construction of a longshore bar to reduce the effects of wave energy and support the recovery of up to 50 acres of seagrass behind the restored bar.



Habitat Protection, Creation, & Enhancement Spoil Disposal Islands



- Two large spoil islands 2-D & 3-D, approximately 500 & 400 acres, respectively
- 2-D close to capacity
- Premier nesting sites for the American Oystercatcher and other shore birds
- Erosion from open fetch and ship traffic
- Habitat creation & enhancement opportunities



Habitat Protection, Creation, & Enhancement Spoil Disposal Islands



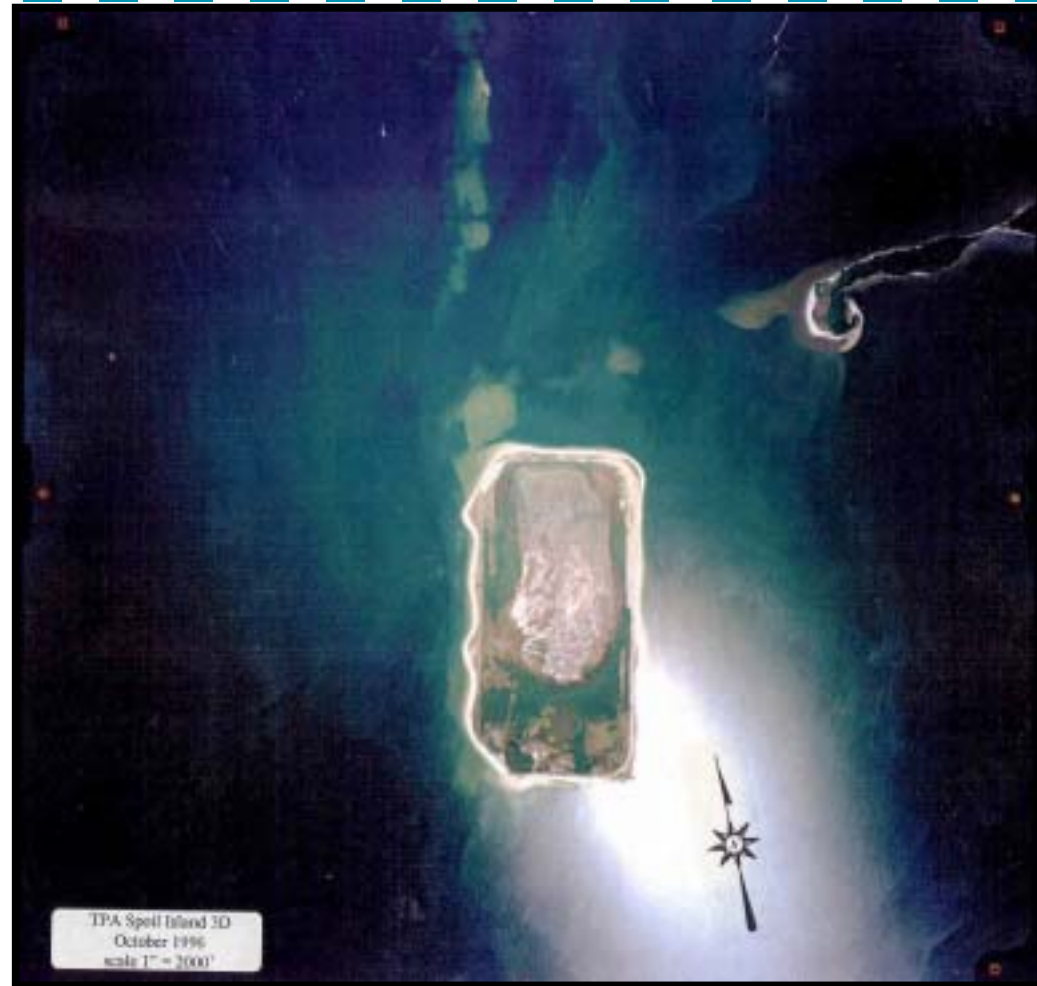
- Approximately 500 acres
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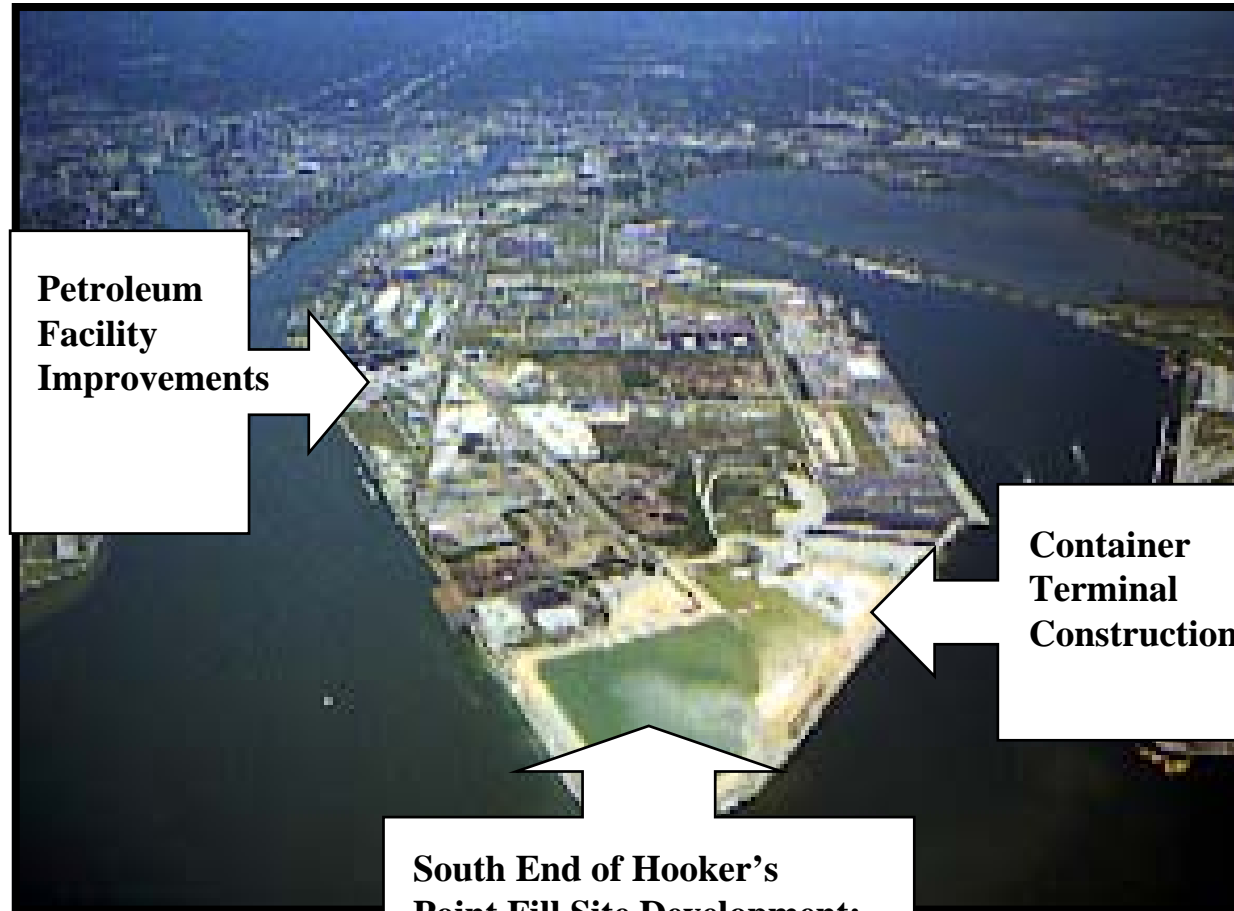
Habitat Protection, Creation, & Enhancement

Spoil Disposal Islands

- Approximately 400 acres
- Mainly used by the USACOE
- Premier nesting site for many ground nesting bird species including Black Skimmer, tern species, and large gull colonies
- Shoreline revetment project completed & additional planned to stem island bank erosion
- Habitat creation & enhancement opportunities



Bulkhead and Wharf Improvement Projects



**Petroleum
Facility
Improvements**

**Container
Terminal
Construction**

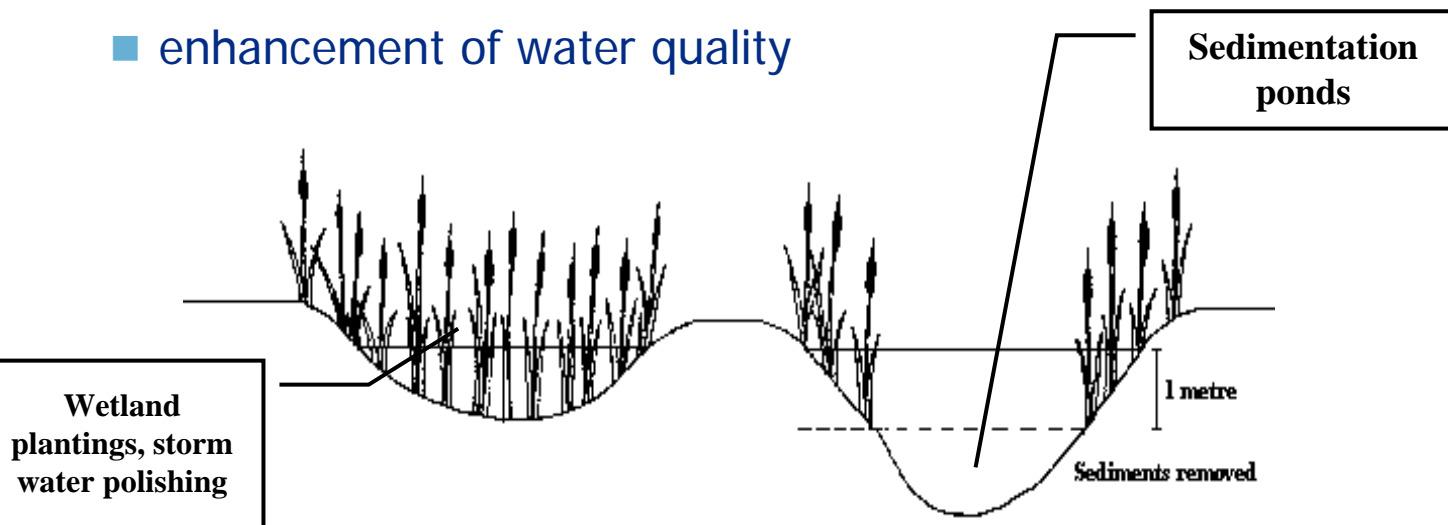
**South End of Hooker's
Point Fill Site Development;
Berth 218 Construction.**

Innovative Storm Water Treatment Projects

- Master Port Drainage Plan last updated June 2001
- Define Port property boundaries and incorporate AutoCAD storm water drainage plans into GIS overlay
- Identify unused out parcels in close proximity to existing drainage and storm water conveyance systems for the creating:
 - setting ponds
 - habitat creation
 - wetland restoration
 - enhancement of water quality



Southwest Florida
Water Management District



TAMPA PORT AUTHORITY

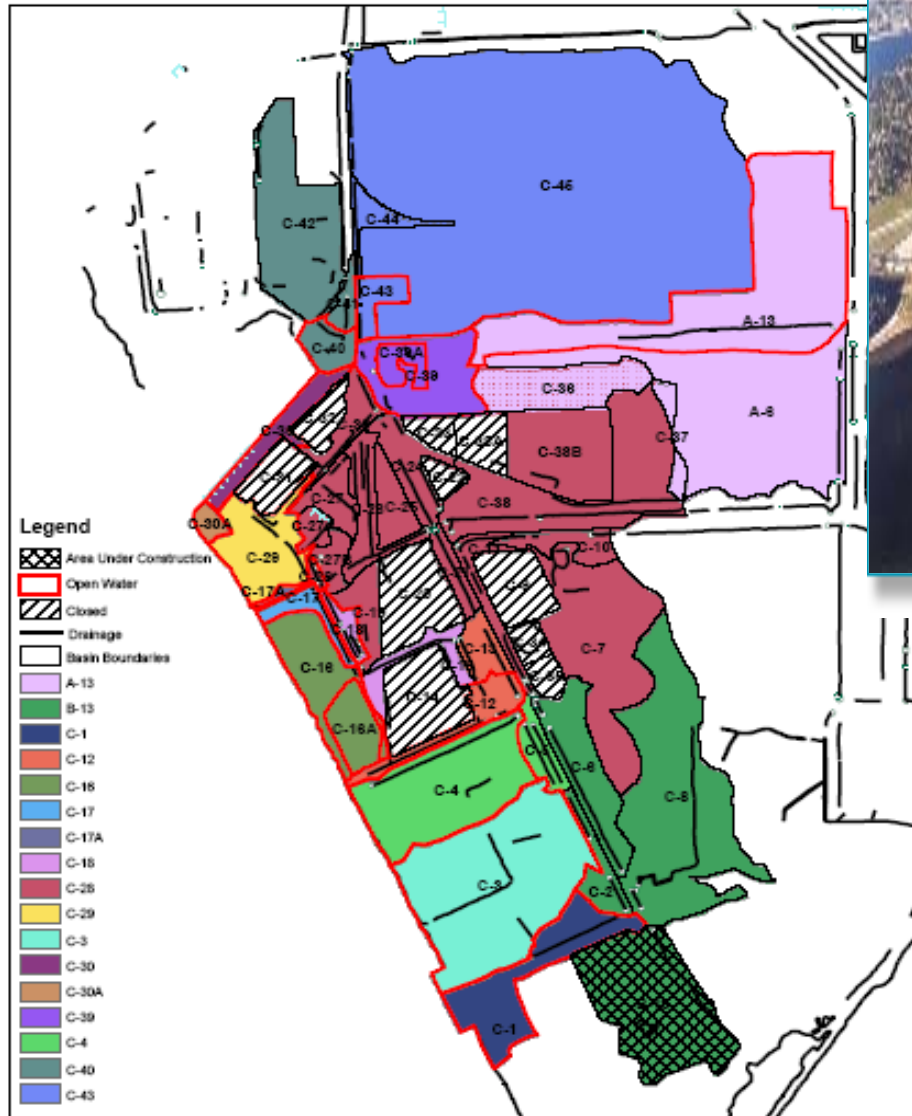
Innovative Storm Water Treatment Project

- Develop a spatially-based stormwater management system incorporating habitat improvements and water quality enhancements into the project.
 - The GIS work will involve collection, compilation and conversion of existing data layers into a common format that will have utility for stormwater management and enhancement of natural resources that directly affect Hillsborough Bay.
 - Stormwater BMP Suitability Model Development
- Not a regulatory requirement.
 - Designed to go above and beyond Port's current regulatory responsibility and
 - Best Management Practices and provide national model for other ports.
- Includes Steering Committee of:
 - NOAA Staff, SWFWMD Stormwater Engineers, and EPC and Tampa Bay Estuary Program staff.



Innovative Storm Water Treatment Project

Major Drainage Basin: Hookers Point Group C

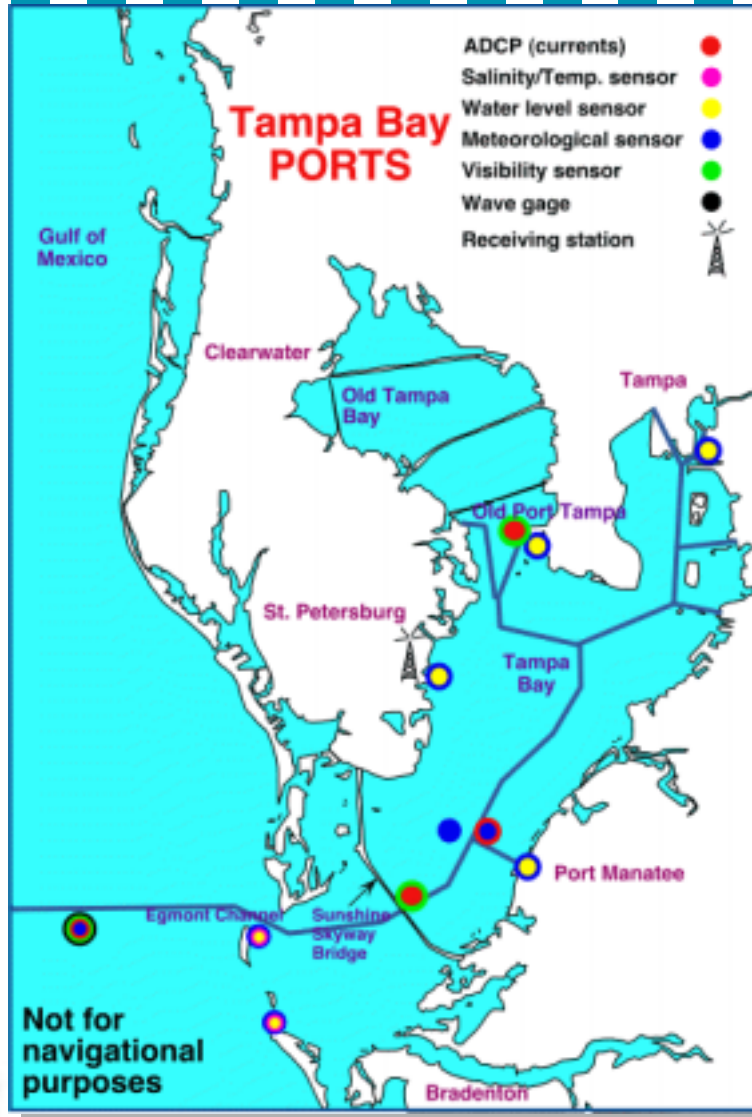


Innovative Storm Water Treatment Project

- Received \$20,000 NOAA Grant through GIS Solutions.
- Received \$35,000 in NOAA Portfields Initiative Funding,
 - Of which the Port has earmarked \$25,000 toward this specific project.
 - \$45,000 encumbered for project thus far, not including staff time.
- Received \$45,000 match assistance from EPC Pollution Recovery Fund to accomplish next steps:
 - Monitoring, Design & Engineering
 - Permitting
 - Construction
 - Monitoring and Reporting
- Will be seeking additional funding partners, SWFWMD, TBEP, etc.



Improving Tampa Bay PORTS & VTIS System



- PORTS is the Physical Oceanographic Real-Time System that provides current, water level, and wind measurements from multiple locations in Tampa Bay
- Vessel Traffic Information System (VTIS)
 - Port and waterway traffic management system



Outreach Projects



- Seaport Training & Employment Program
 - Partnership with local community college(s) and local maritime industries. It is essentially an in-class and on-site technical training program to prepare workers for positions in traditional industries, such as ship repair, environmental sound land maintenance and/or seaport construction.
- Outreach Projects – Newspaper in Education – Tampa Portfields
 - This project would be a partnership with the Tampa Tribune's award-winning Newspaper in Education (NIE) program. The NIE program essentially develops cutting-edge curriculum based on the newspaper to help teachers meet new state standards of education for K-12.
- Tampa Marine Institute At Risk Youth Program
 - Tampa Marine Institute offers rehabilitation for at risk youth via training in and exposure to solid role models, including suitable career paths.



Aquatic Nuisance Species in Ballast Water

- Ballast water is regulated via Federal law under the National Invasive Species Act (NISA). The US Coast Guard is the lead agency tasked with implementing a national ballast water management program
- In February 2004 it was announced by the International Maritime Organization (IMO) proposed new regulations to curtail the spread of harmful aquatic nuisance species carried in ships' ballast water. The announced has earned accolades from the American Association of Port Authorities (AAPA), the organization representing public ports throughout the Western Hemisphere.



Security Issues



- Encourage Portfields partner agencies to engage Dept. of Homeland Security's involvement in the program to provide required maritime security facilities and infrastructure funding for designated Brownfield redevelopment areas.





Program Needs

- Federal funding matrix
- Grant writing and application submittal assistance
- Specific funding for NOAA Portfields implementation
 - Local NOAA point person for coordinating Portfields and working directly with TPA staff on project(s) implementation.
- NOAA funding to manage national PORTS system
- Tampa Bay seagrass impact/restoration studies
 - Expert involvement in the development and validation of the Wave Energy Study and Longshore Bar Project – (NOAA Scientific Research Staff, ACOE-ERDC)





PORT OF TAMPA



David A. Parsche', Environmental Director

Dparsche@tampaport.com

813-905-5030

Robert Musser, Jr., Environmental Manager

Rmusser@tampaport.com

813-905-5032