

Integrating Watershed Management Initiatives



Overview of Tampa Bay's Management "Structure" and a Case Study of Collaboration

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History of Bay Management

1968 - Conference at USF recommended: no modification of 'present' bay bottom except maintenance dredging; limits on municipal wastewater discharges; and **establishment of a baywide management committee.**

1982 - BASIS (1). Conclusions: TB should be comprehended and managed as a single ecosystem; a clear pattern of decline evident; **management needs are relatively clear.** TBRPC created a TB Management Study Committee, partly funded by FDER, and then the TB Management Steering Committee.

1984 - Legislature created TB Management Study Commission to:

Develop a recommended Bay Management Plan;

Prepare a 3-5-year legislative work program to address priority bay issues;

Seek sources of funding;

Make specific recommendations to TBRPC re Bay management issues.

The Future of Tampa Bay document was produced; 42 priority issues identified, with objectives and solutions, and **creation of Agency on Bay Management recommended.**

1985 – Agency on Bay Mgmt. first convened – included the many TB stakeholders.

Post-1985 - ABM pushed passage of Grizzle-Figg bill;

- proposed a funding mechanism for restoration of Tampa Bay (SWIM);
- coordinated water quality monitoring;
- assisted in nomination of Tampa Bay to the National Estuary Program;
- proposed chl-a targets by bay segment; and more.

Within the Tampa Bay region alone:

2.9 million Residents (2007 estimate)

6 Federal agencies related to Bay issues – at least

6 State agencies related to Bay issues – at least

5 Regional agencies related to the Bay – at least

43 Local governments

3 Port Authorities, including state's largest and 4th largest ports

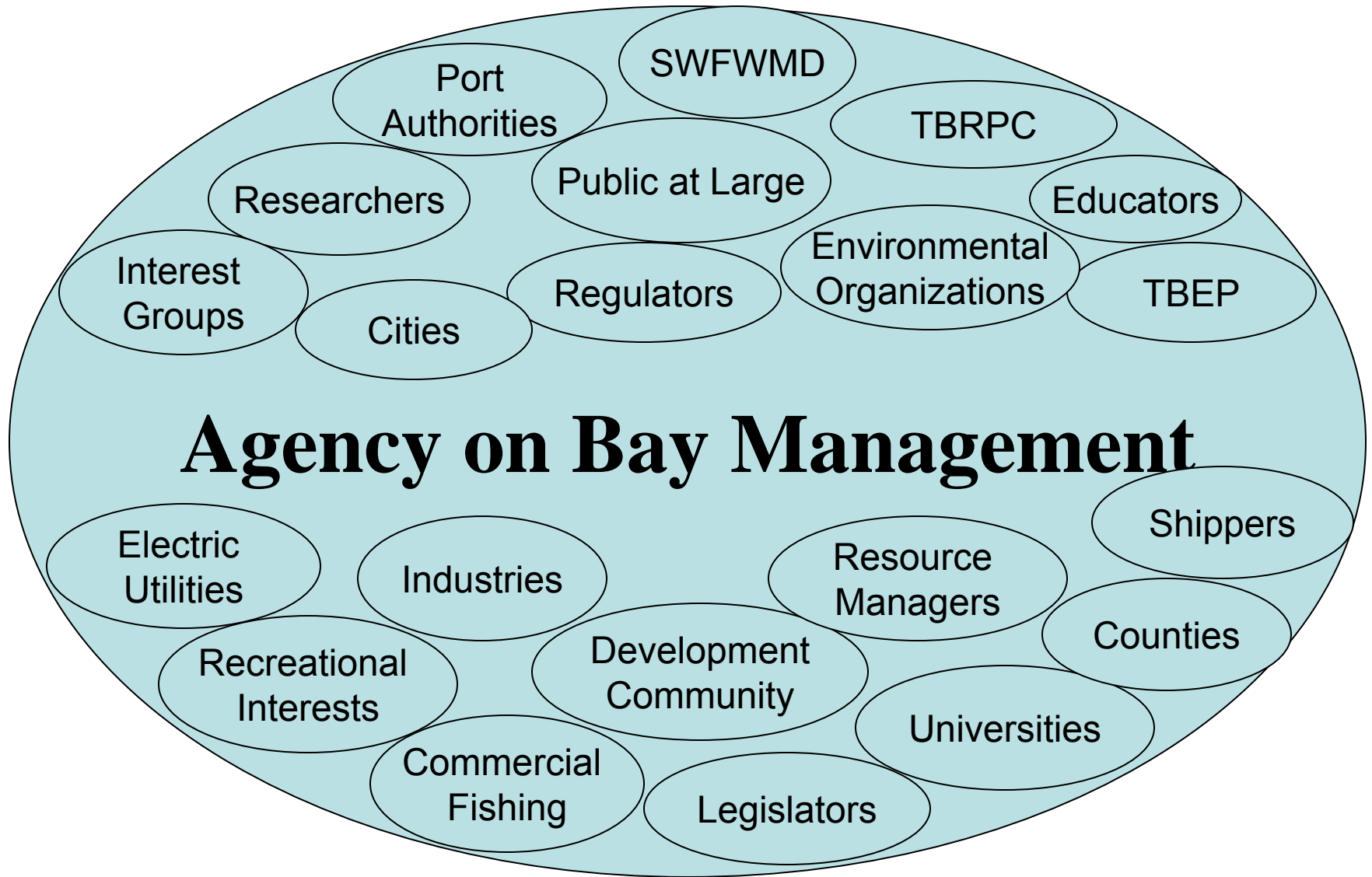
7 Major industries / users affecting the Bay – at least

14 Environmental Organizations – at least

151,000 Registered boats in the four counties

What are the divisions of labor/jurisdiction?

Agency/ Organization	Research	Data Collection	Regulation	Management	Policy	Review	Habitat Restoration	Water Quality	Utilities	Bridges/ Causeways	Boat Ramps	Marinas	Seawalls/ Docks	Water Use	Point Sources	Nonpoint Sources	Parks	Recreation	Aquaculture	Commercial Fishing	Education	Citizen Involvement
Environmental Protection Agency			X		X	X		X													X	
Fish & Wildlife Service	X	X		X	X	X					X									X	X	X
NOAA	X	X			X	X															X	
National Marine Fisheries	X	X				X		X		X	X								X	X	X	
Army Corps of Engineers			X							X	X											
Coast Guard			X						X	X											X	X
Geological Survey	X	X						X													X	
Tampa Bay Estuary Program	X				X		X	X													X	X
Dept. of Environmental Protection	X	X	X	X	X	X		X	X	X	X	X		X	X	X	X	X			X	X
FL Fish and Wildlife Conservation Comm.	X	X	X	X	X	X	X			X	X	X	X						X	X	X	X
FL Dept. of Transportation			X		X				X	X	X					X	X	X				
Dept. of Community Affairs				X	X	X			X			X						X				
Tampa Bay Regional Planning Council / Agency on Bay Management				X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X
Southwest FL Water Management District		X	X	X	X	X	X	X	X	X	X	X	X					X			X	X
Tampa Bay Water		X		X	X				X					X							X	
Environmental Protection Comm. of Hillsborough County		X	X	X	X	X		X		X	X		X		X				X			
Tampa Port Authority			X			X				X	X	X	X								X	
Hillsborough County			X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X			X
Manatee County		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X				X
Pasco County			X	X	X	X	X		X	X	X			X	X	X						X
Pinellas County		X	X	X	X	X	X	X	X	X	X										X	X
Cities		X	X	X	X	X	X	X	X	X	X										X	X
Hillsborough River Interlocal Planning Board				X	X	X		X		X	X	X	X	X	X	X		X				
Audubon Society				X		X	X											X			X	X
Sierra Club						X															X	X
Keep America Beautiful affiliates				X				X								X					X	X
Ocean Conservancy		X		X		X					X	X									X	X
Pasco Wildlife				X		X	X											X			X	X
Tampa Bay Watch							X						X					X			X	X
Friends of the Hillsborough River				X						X	X							X			X	X



- Includes Stakeholders around Tampa Bay
- Bring together the various “sides” of issues
- Form special committees as needed
- Advise TBRPC and assist legislature, federal, state and local govts. as requested
- Serve as clearinghouse, providing early input
- Conduct focused forums

Case Study of Collaboration: *”Flying Leap”* Natural Gas Processing Facility

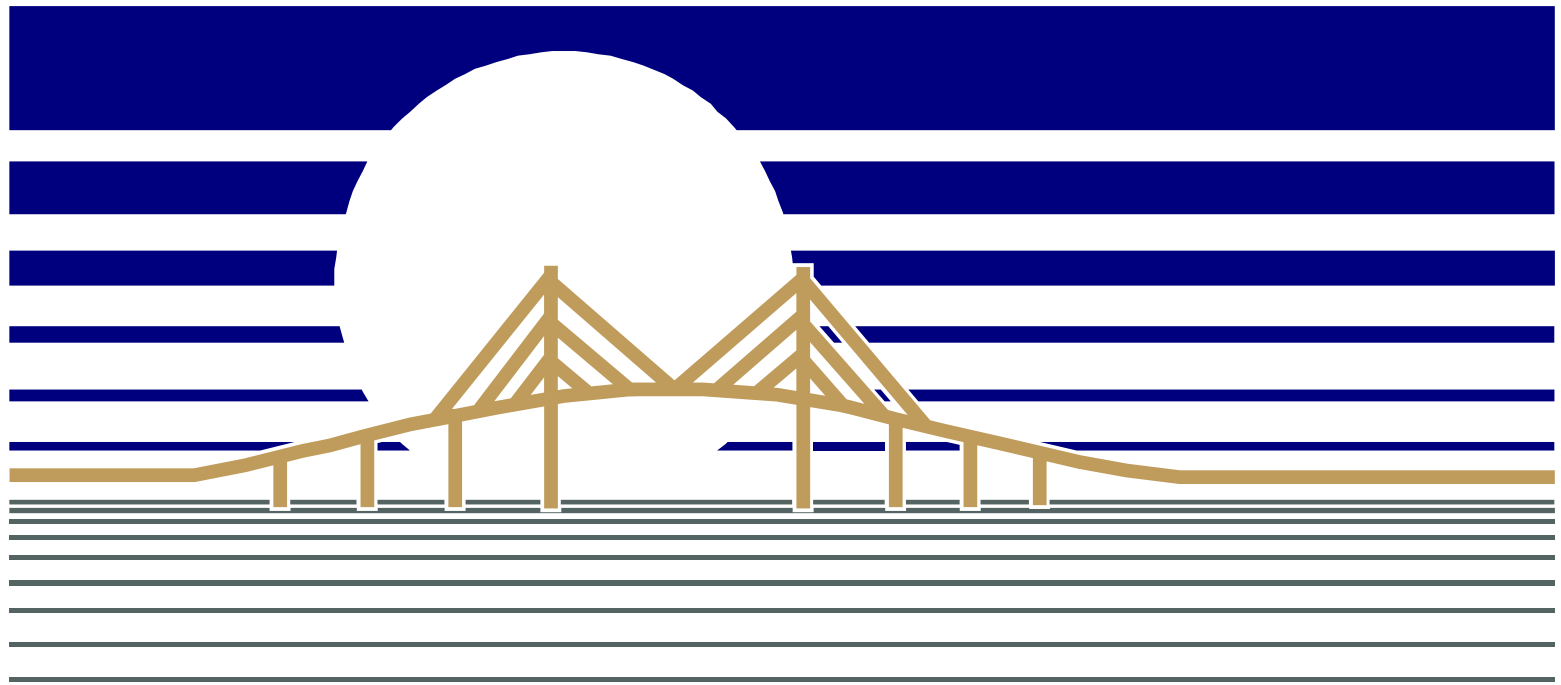


Key elements for this exercise:

- On the eastern shore of Tampa Bay, **near the mouth of the Alafia River; to occupy 150 acres** and handle 100 million standard cubic feet of natural gas per day. State/federal funds requested to support the project.
- The raw natural gas will be **delivered to the facility by tanker ship or pipeline from outside Tampa Bay.**
- Products will include: compressed natural gas and propane gas for vehicle, home and commercial use; **bottled and shipped.**
- **Nitrogen, CO₂, hydrogen sulfide and water must be removed from the natural gas and disposed of, normally by release into the environment - into the air or water.**
- Approximately **15 mgd of water - either fresh, brackish, or treated wastewater - needed for cooling - either in a once-through process or in cooling towers. Heated water released back into the environment,** such as occurs with electric generation.
- A substantial amount of energy needed to run the processing plant, possibly entailing new electric transmission lines.
- Rail access and improvements to the State Road required to handle the shipments and increased traffic. **Wetlands impacted, and possibly seagrasses** if docking facilities are needed.

Possible Agency on Bay Management involvement:

- Initial presentation by project proposers, to get **input on issues to be addressed up-front** / considered in project planning
- Natural Resources/Environmental Impact Review Committee **review of plans to identify impacts and recommend** alternatives and/or mitigation, monitoring
- Make **recommendations to TBRPC**
- Conduct a forum to **develop multi-jurisdictional recommendations on the project** – to inform State Clearinghouse of anticipated impacts to the Bay or **elevate identified concerns to another level**



*Tampa Bay Regional Planning Council
Agency on Bay Management*

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Agency on Bay Management

- = Is Comprised of representatives of the stakeholders around Tampa Bay
- = It Serves as a clearinghouse for projects anticipated to affect the bay; providing early input by reviewers, watchdogs, data providers
- = It Brings together the various “sides” of issues to share concerns and address the needs of the bay
- = It Forms Special committees as needed to address specific issues; for example: Manatee protection strategies; the need for additional boat launch facilities; access along causeways
- = It Conducts Forums to focus on special issues; e.g. Piney Point fertilizer plant closure, Clam Bayou, desalination proposal, surface water withdrawal projects
- = It Advises the TBRPC, and assists the legislature, federal, state and local governments as requested on information relating to the Bay