

WILDLIFE FOUNDATION OF FLORIDA ESTABLISHED | 1994

# Florida Marine Fisheries Enhancement Initiative (FMFEI)

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## What is FMFEI?

SECORT FLORIDA

A multi-year, multi-partner program to create a statewide system of distributed hatcheries and interlinked eco-centers integrating stock enhancement and habitat restoration

(go to www.fmfei.org for more details)

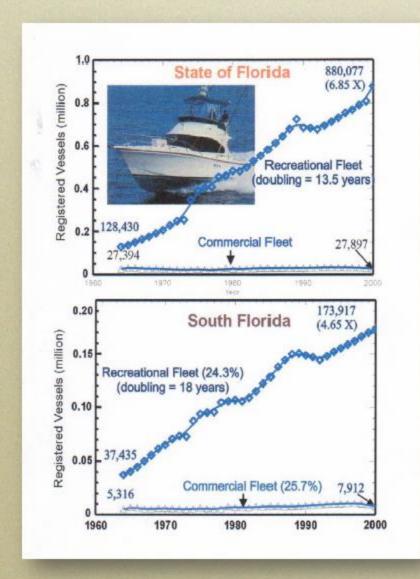




## Florida Fisheries

- Recreational fishing is a big business in Florida
  - \$6-8 billion industry
  - About 40% of all U.S. saltwater recreational fishing trips originate in Florida









## **Integrated Fisheries Management Approach**



- Fishing regulations
- Stock enhancement
- Habitat conservation and restoration









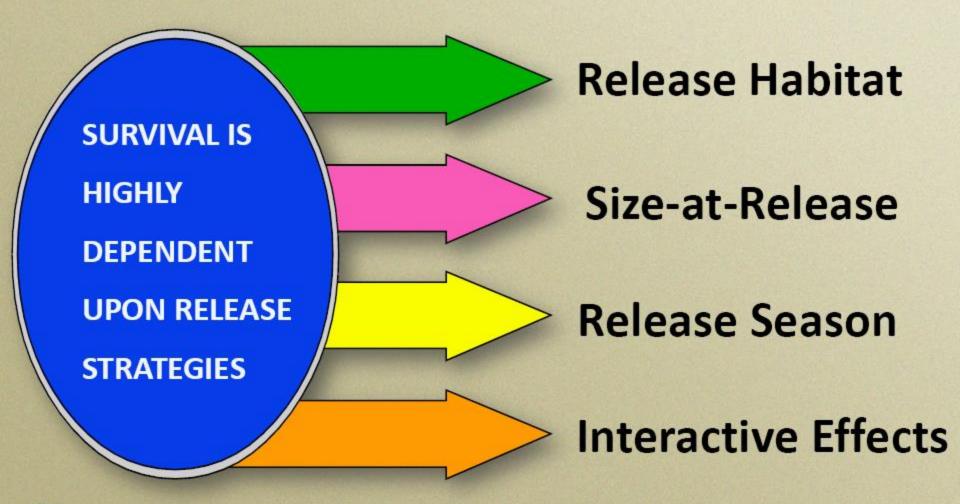
## Brief Review of Marine Stock Enhancement in Florida



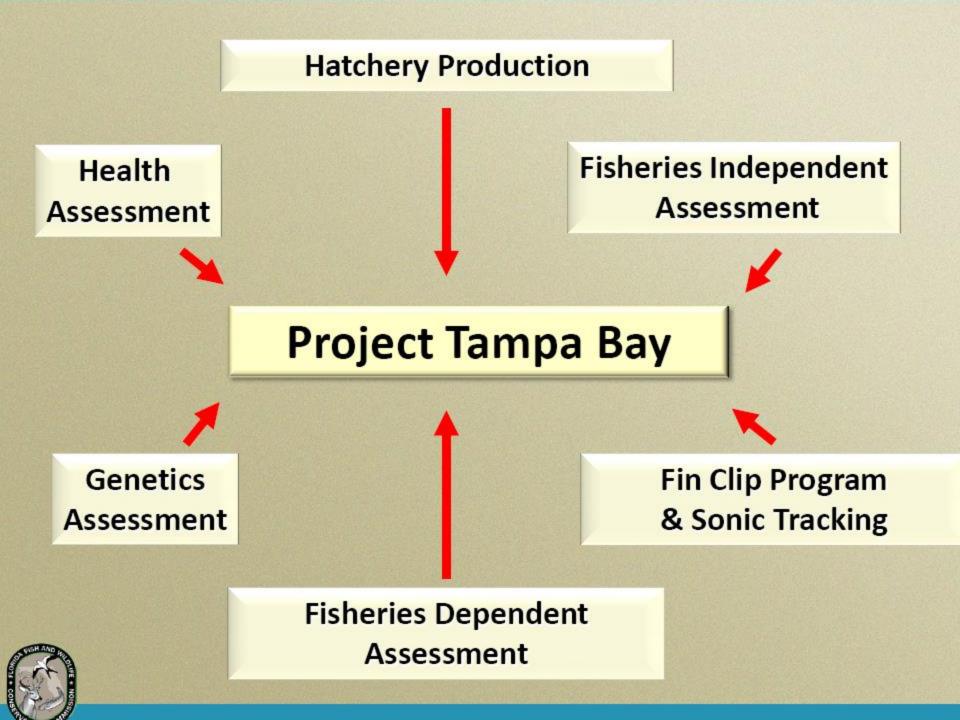
- FWC has operated a saltwater hatchery in Tampa Bay since 1988—more than 5 million red drum have been released statewide
- Focus has shifted over the past 10 years from production-oriented stocking to an assessment-driven, accountability-based approach:
  - Adoption of the "Responsible Approach" (Blankenship & Leber, 1995)
  - Bringing stakeholders directly into the planning process through the establishment of the Marine Stock Enhancement Advisory Board (MSEAB)
  - Development of a pilot study to evaluate optimum release protocols:
     Project Tampa Bay (determine the most cost-effective strategy for large-scale releases)



## Rationale for Pilot Studies to Optimize Release Protocol







## **Fisheries Monitoring Programs**





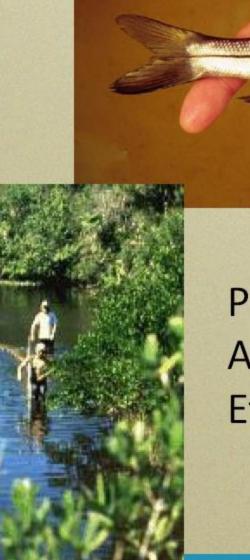






| # released    | 1,340,098 | 173,926 | 72,368 |
|---------------|-----------|---------|--------|
| # recap       | 202       | 22      | 66     |
| % recap       | 0.015     | 0.013   | 0.091  |
| Ave cost/fish | \$0.15    | \$0.45  | \$1.58 |

# FWC/Mote Partnership on Snook Stocking



Pilot Releases to Assess Stocking Effectiveness

## In Summary



- FWC and key partners have adopted a multi-disciplinary, quantitative approach to develop effective strategies for integrating stock enhancement into traditional fishery management
- Direct stakeholder involvement has been an important component of the program's success
- FMFEI expands Florida's saltwater stock enhancement program to a statewide implementation scale
- The ultimate goals are:
  - Develop economically successful and ecologically sound stocking technologies for replenishing depleted fish stocks
  - Integrate stock enhancement with habitat restoration and other ecosystem components



## Visit FMFEI's website at www.fmfei.org



### Florida's Marine Fisheries Enhancement Initiative

Search this site:

Search

#### Support Florida Sportfish

- 1 Home
- ' About the Initiative
- Indoor Facility
- Outdoor Facility
- ' Join the Team
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- ' Forums
- Project Tampa Bay
- About the Wildlife Foundation of Florida
- ' Economic Stimulus Proposal
- ' March 6, 2009 Partner's Meeting

#### Press (Click for Full Undate List)

- Title: Harbor Branch Hatchery Operations
   Post date: 02/25/2009 -12:46
- \* Title: Shoreline Restoration Underway at Mosquito Lagoon Post date: 05/16/2009 + 16:26

#### My Links

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#### Florida Marine Fisheries Enhancement Initiative

Strengthening the Future for Sportfishing Along Florida's Vast Costal Waterways.

#### A Brief Description

The Florida Marine Fisheries Enhancement Initiative is a multi-year, multi-partner program vital to sustaining our saltwater sportfish populations and the natural habitats of our precious marine life.

Our first saltwater hatchery helped keep the red drum population healthy and available in the Tampa Bay area. New technology and scientific insight have enabled the construction of even more effective marine enhancement centers that can provide a variety of game fish, at different stages of development.

#### THE BIG THREE





To help bolster Florida's sportfish populations that may otherwise be reduced by current demand, fishery scientists and managers advise creating a series of strategically networked hatcheries and grow-out facilities on both the Atlantic and Gulf coasts. This network, combined with parallel habitat restoration, will be most the efficient model for sustaining healthy sportfish populations.

Florida is the most popular sportfishing destination in the country and that popularity contributes about \$5 billion to Florida's economy annually. Maintaining healthy fish populations and habitats is critical to the continuation of that success. That is why we urgs everyone who lives, works or plays in our beautiful state to help us make this initiative a reality and Support Florida Sportfish.

#### A Team Effort

Construction of these innovative marine propagation and ecosystem restoration facilities will only be possible through teamwork. In addition to the partners already involved in the nitiative, the team must include support from government, non-proft, academic and private fisheries research institutions-and from concerned citizens and other stakeholders. We also want to work with interested communities to design a localized program that can involve all interested residents, Your



