

# PARTNERSHIPS IN RESEARCH AT HARBOR BRANCH OCEANOGRAPHIC INSTITUTE

Paul S. Wills, Megan Davis, and Susan Laramore

**HARBOR BRANCH**



FLORIDA ATLANTIC UNIVERSITY®

*Ocean Science for a Better World®*

# WHAT DOES HBOI DO?

AQUACULTURE  
& STOCK ENHANCEMENT

MARINE ECOSYSTEM  
HEALTH

OCEAN ENGINEERING  
& TECHNOLOGY

OCEAN EXPLORATION

MARINE MAMMALS

NOAA PERMIT NO. 18182

MARINE BIOMEDICAL  
& BIOTECHNOLOGY RESEARCH

**IRLO**

Indian River Lagoon Observatory

OCEAN OPTICS

OCEAN DYNAMICS  
& MODELING

POPULATION BIOLOGY  
& BEHAVIORAL ECOLOGY

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& BEHAVIORAL ECOLOGY



- Founded: 1971
- Joined FAU: 2007
- Acreage: 144
- Today → 2020
- Employees: >200
- Budget: 60% external funding

**GEOGRAPHY**

The port and acreage are on Florida inland waterway 4 miles north of Fort Pierce seaport entrance and 6 miles south of Vero Beach.

Port Waterway: Approximately 1/2 mile long inland from the opening on inland waterway. 200' wide, 16' deep and hurricane-proof. 60 acres surrounding land available for housing, offices and laboratories.

**TRANSPORTATION**

Nearby US Highway 1 and F.E.C. R.R. St. Lucie County Airport — 10 minutes. Airline service at West Palm Beach, Orlando and Vero Beach.

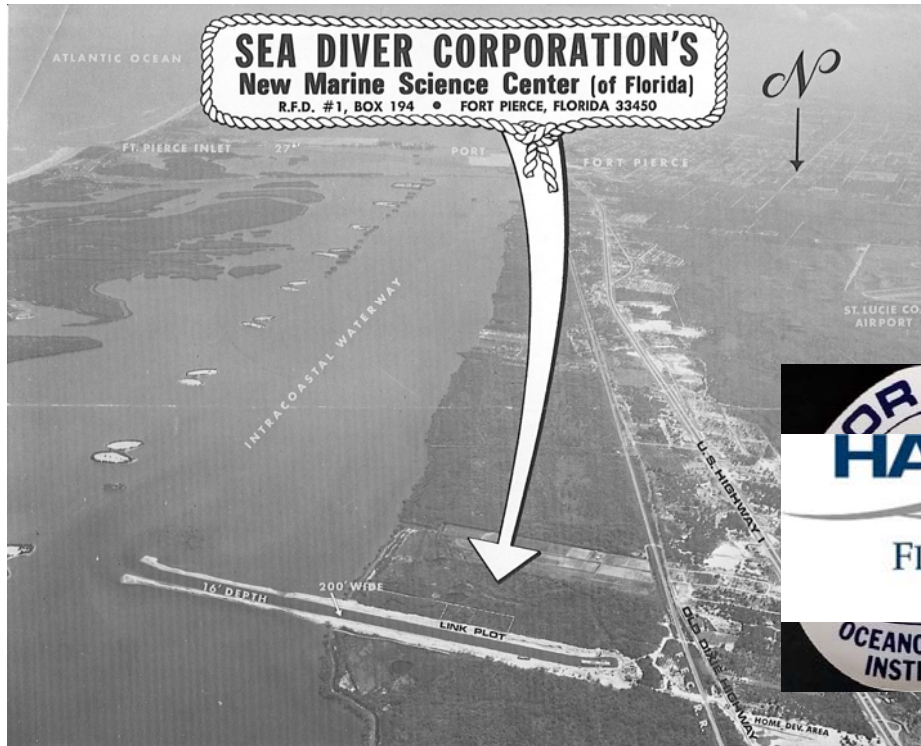
**FACILITIES**

Securing piles — 40' spacing — 560' total now installed. Dock power — Single and 3 phase 800 A service. Telephone and Lights. Laboratory and storage building — well equipped Service shop. 25-ton Mobile Crane.

**OTHER INFORMATION**

Port facilities exclusively for vessels operating for Marine Science and Engineering Services. Sites available for sale or long term lease buildings to suit tenants.

For further information contact:  
 E. A. LINK  
 SEA DIVER CORP.



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# COMPREHENSIVE 1996 AQUACULTURE DEVELOPMENT PARK

ACRES: 30

BUILDINGS Research and Commercial: 24

RESEARCH SPACE: 39,000 sq. ft.

SPECIES: fish, clams, oysters, shrimp, urchins,  
algae & seaweeds, ornamentals

ZERO DISCHARGE

AQUACULTURE STATE CERTIFIED

# COMPREHENSIVE 1996 AQUACULTURE DEVELOPMENT PARK



AQUACULTURE STATE CERTIFIED



# COMPREHENSIVE 1996 AQUACULTURE DEVELOPMENT PARK



AQUACULTURE STATE CERTIFIED

# Aquaculture...A Federal Priority ...An HBOI Priority

NATIONAL STRATEGIC PLAN FOR FEDERAL  
AQUACULTURE RESEARCH (2014-2019)

National Science and Technology Council  
Committee on Science  
Interagency Working Group on Aquaculture



June 2014

## Strategic Research Goals:

- Increase the Supply of Nutritious, Safe, High-Quality Domestic Seafood
- Improve Production Efficiency and Performance of Production Systems
- Improve Nutrition and Develop Novel Feeds
- Create a Skilled Workforce and Enhance Technology Transfer

# Current and Recent Partnerships



Harbor Branch Oceanographic Institute Foundation



HARBOR BRANCH OCEANOGRAPHIC INSTITUTE  
FOUNDATION



BONEFISH & TARPON TRUST  
STEWARDSHIP THROUGH SCIENCE  
[www.tarbone.org](http://www.tarbone.org)



PEBBLELABS



# Forms of Partnerships

Remember: HBOI-FAU is a Research Institute at a State University

- Traditional University Research Funding Mechanisms
  - Sponsored Research/Teaching
  - Philanthropic Gifts
  - University Foundation Funding
    - HBOIF (a DSO for HBOI-FAU)
    - FAUF (Routing for Philanthropic Gifts)
- External Research Foundation Partnerships
  - e.g., Bonefish and Tarpon Trust → Bonefish Restoration Research
- Public Private Partnerships (PPPs)
  - Guiding Principle: All PPPs must fulfill HBOI-FAU's research and/or education/training mission → this includes publication of research results



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FLORIDA ATLANTIC UNIVERSITY

“Case Studies” of  
Two On-Going HBOI-FAU Public Private Partnerships



*Ocean Science for a Better World<sup>®</sup>*

# PPP: Zeigler Bros., Inc. (ZBI)

- Research Partnership with a Private for Profit entity
  - Established MOU
  - Research only, no output of physical product
    - Sponsor driven research questions
  - Research Structure
    - ZBI funded research
      - ZBI/HBOI-FAU research team approach
        - Direct Funding → ZBI Personnel
        - Sponsored Research Funding → HBOI-FAU Personnel
      - Operates much like a traditional Sponsored Research Project with HBOI-FAU and ZBI employees working side by side to achieve objectives
  - Also, Subcontractor and Co-PI on other aquafeed related Sponsored Research



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# Seaventures Clam Co. (SVCC)

- Research Partnership with a Private for Profit entity
  - Established MOU
  - Research along with production of product for sale (hard clam seed)
    - Sponsor driven research questions
  - Production Structure → all SVCC staff
    - Training and Consultation by HBOI-FAU Staff only (Funded)
    - Rental of Space (Sqft and Utilities) from FAU for Production Space
    - Potential for Profit Sharing
  - Research Structure
    - SVCC funded research
      - Sponsored Research Funding → HBOI-FAU Personnel
    - Operates much like a traditional Sponsored Research Project funding HBOI-FAU to achieve objectives



# HARBOR BRANCH

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PPPs help HBOI-FAU to achieve  
our mission in advancement of  
Applied Aquaculture Research to  
benefit the industry as a whole

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