What is the Coastal Zone?

• All 35 eligible coastal and Great Lakes states and territories have entered into the voluntary partnership with NOAA, Office of Coastal Zone Management.
What is the Coastal Zone?

In New York it covers the Great Lakes, Hudson River and Long Island/NYC Marine District.
What is the Coastal Zone?

Eastern Long Island

February 2018
http://coastalzonefoundation.com/
What is the Coastal Zone?

NYC

February 2018

http://coastalzonefoundation.com/
What is the Coastal Zone?

Hudson River

February 2018
http://coastalzonefoundation.com/
What is the Coastal Zone?

Sodus Bay – Lake Ontario
What is Coastal Zone Management?

• Coastal zone management involves managing coastal areas to balance environmental, economic, human health, and human activities.
What is the Coastal Zone Management Act?

• The Coastal Zone Management Act (CZMA) was passed in 1972, subsequently and provided a formal structure to address the challenges of continued growth in coastal areas.

• Administered by NOAA, the goals of the CZMA are to “preserve, protect, develop, enhance, and restore where possible, the coastal resources.”
What is the Coastal Zone Foundation?

- Founded in 1985
- Provide multidisciplinary instruction on comprehensive coastal and ocean management for the educational benefit of professionals, citizens, educators and decision makers.
What is the Coastal Zone Foundation?

- A forum for the exchange of information and views on matters pertaining to regional, national and international interest and scope for the purpose of distributing technical knowledge and current practice for the improvement and planning, design, development and conservation actions related to our estuaries, bays, oceans and beaches.

bylaws of the Coastal Zone Foundation

Orville T. Magoon
First President
Coastal Zone Foundation
Why a Coastal Credentialing Program?

• Continuing a tradition of encouraging rigorous research and continued collaboration to nurture, protect and manage the coastal zone through sound science, engineering and planning.
Why a Coastal Credentialing Program?

• For the first time, define the body of knowledge which reflects best practices for coastal management.
Credentialing Approaches

- **Certification**: Voluntary assessment (usually by test) of competency and knowledge; renewable.

- **Certificate program**: Voluntary training or comprehension assessment of a specific type of knowledge; one-time.

- **Licensure**: Government issued recognition of competency; usually mandatory and renewable.
10 Proposed Modules

- Coastal Engineering
- Coastal Geology
- Coastal Resiliency
10 Proposed Modules

• Biology/Ecology
• Planning & Land Use
10 Proposed Modules

• Communications
• Government Operations
• Project Management
10 Proposed Modules

- Coastal Zone Management
- Government Regulations
Potential Professional Audience

• Coastal governments and agencies
• Coastal professionals (engineers, scientists, economists, etc.)
• Coastal consultants
Potential Professional Audience

• Graduating advanced-degree students
• NGO coastal staff
• Coastal citizens
Clarifications of Purpose

- Certification, not licensing.
- Broad, not deep knowledge.
- Complements existing coastal licenses and educational programs.
Clarifications of Purpose

• Specific focus.
• Greater benefit to younger professionals.
Tailor Messages to Professional Needs

• For established & mid-level professionals, how it could help their current/prospective employees & propel them to a high employment level.
Tailor Messages to Professional Needs

- For consultants & staff, how it helps them deal with clients and private/public-sector issues.

Beach Renourishment
Sanibel Island, Florida
Tailor Messages to Professional Needs

• For students/jobseekers, how it enhances job search and potential value.
Challenges

• Wide breath of knowledge & experience needs on coastal issues
• Capture existing research, association & industry knowledge and evolving issues/practices
Challenges

- Design & develop modules, implementation logistics, finding the intended audience.
Design & Development Tasks

• Finalize 10 modules & curriculum
• Recruit instructors.
• Complete each module curriculum
Design & Development Tasks

• Outline instruction options – tied to conferences, in person, & online.
• Test for Individual modules
Implementation Logistics

- Develop ethics component to complement science and engineering components.
Implementation Logistics

- Recruit volunteer instructional staff and a part-time program administrator
Implementation Logistics

- Trademark and corporate issues.
- Develop and implement a marketing program.
- Develop a long-term budget.
- Develop evaluation metrics for review.
Progress and next steps

• Seven of ten modules presented.
  • Coastal Engineering
  • Coastal Geology
  • Coastal Resiliency
  • Coastal Biology/Ecology
  • Coastal Zone Management
  • Government Affairs
  • Communication
Progress and next steps

• 78 coastal professionals in process
  • Federal Agencies – 30%
  • State and Local Governments - 30%
  • Private Industry - 25%
  • Homeowners/NGO – 10%
  • Other – 5%
• First graduating class in Fall 2018
Progress and next steps

• Project Management module to be given in March 2018.  
  http://asbpa.org/conferences/

• Planning & Land Use and Government Operations to be given in Fall 2018.  
  http://asbpa.org/conferences/future-meetings/
Coastal Zone Foundation (CZF)

• **Contact**
  
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