2016 AQ Summit: Education Update by Dana Morse

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Aquaculture In Shared Waters: Educational programming toward diversifying Maine's Working Waterfront

Town of Brunswick: Dan Devereaux, MRO

Darcie Couture: Resource Access International
Aquaculture training in Maine is not new, or the need to diversify:

- The Cod Academy (S. Belle, Maine Aquaculture Association) ~ 2010

*Aquaculture In Shared Waters is strongly shaped by the knowledge/people from those efforts*
Enter: *Aquaculture In Shared Waters*
Principal Funding: National Sea Grant Program

**Goals:**
- Provide training for fishermen and their families to diversify into aquaculture, and support business development.
- Improve our understanding of the potential for integrating aquaculture and commercial fishing, including a better understanding of social and cultural dynamics.

**Activities:**
- Perform social science research to better understand attitudes, opinions, knowledge about aquaculture, by fishermen and others.
- Develop and deliver a comprehensive training program for fishermen, on aquaculture of bivalve molluscs and marine macroalgae.

**Research:**
- Semi-structured interviews with fishermen in the program, and with others
- Repeat contacts with participants before, during and after course delivery

**Training:**
- Comprehensive course on all aspects of aquaculture business, classroom and hands-on
- Creation of a curriculum and reference guide
- Homework: create a draft lease application and business plan
Topics for classroom and applied-learning sessions:
Introduction to Aquaculture
Bivalve and Seaweed Ecology and Biology
Introduction to Business Planning
Site Selection
Leasing, Licensing and the Regulatory Process
Husbandry and Equipment: Shellfish
Husbandry and Equipment: Seaweed and Urchins
Financing and Financial Management
Sales and Marketing
Farm Management and Biosecurity
*2016 will include Tourism and engaging the Culinary industry.

Field trips or hands-on activities:
Shellfish and Seaweed Farms
Shellfish and Seaweed Hatcheries
Aquaculture Research Facilities
Dissections/lab exam of shellfish and seaweed
Water quality equipment demonstration
Construct sample lease application
Develop a prospective business plan
Mock Lease Hearing
Outputs and Outcomes

2013: Harpswell and Corea
- 12 students
- 1 new business

2015: Harpswell
~ 12 students
- 4 new business and 6 students involved

Reference book: new materials and helpful collection of existing documents

Fact sheets: four finished, two nearing completion

Useful feedback on the course from social science (Dr. T. Johnson and students)

Network of people/group working on education and training

Additional funding supporting a 2016 class, beginning late January in Thomaston

Harder to quantify: easing the integration of aquaculture and fishing
Grow Away!