



2007 LITERATURE EXCHANGE
36th Panel Meeting
from the United States Aquaculture Panel, UJNR
to the Japanese Aquaculture Panel, UJNR
Collected and Compiled by Eileen M. McVey
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October 2007

1. Baker, Shirley and others. October 2006. Introduction to Infectious Diseases in Hard Clams. University of Florida IFAS Extension, no. FA125: 7 pp.
Notes: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida
2. Baker, Shirley and Elise Hoover and Leslie Sturmer. January 2005. The Role of Salinity in Hard Clam Aquaculture. University of Florida. IFAS Extension, no. CIR1500: 10 pp.
Notes: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida
3. Blood, Deborah M., Ann C. Matarese, and Morgan S. Busby. 2007. Spawning, egg development, and early life history dynamics of arrowtooth flounder (*Atheresthes stomias*) in the Gulf of Alaska, NOAA Professional Paper NMFS 7. Seattle, Washington: U. S. Department of Commerce.
Abstract: "Arrowtooth flounder (*Atheresthes stomias*) has the highest biomass of any groundfish species in the Gulf of Alaska, is a voracious predator of age I walleye pollock (*Theragra chalcogramma*), and is a major component in the diet of Stellar sea lions (*Eumetopias jubatus*). Owing to its ecological importance in the Gulf of Alaska and the limited information available on its reproduction, interest has intensified in describing its spawning and early life history..."
4. Cicin-Sain, Biliana and Kevin Goldstein, 2002. Workshop on Improving Regional Ocean Governance in the United States. Center for the Study of Marine Policy, 301 Robinson Hall, University of Delaware, Newark, Delaware, 19716; U.S. National Oceanic and Atmospheric Administration, Office of Ocean and Coastal Resource Management; U.S. Environmental Protection Agency, Ocean and Coastal Protection Division; Coastal States Organization.
Abstract: "The papers and workshop discussions address the following major themes: The diversity of ocean and coastal concerns in various U.S. regions; Lessons from existing regional ocean governance efforts in the U.S. and other countries; Key goals and required features of regional ocean governance mechanisms; Major options for improving ocean governance in the United States; Potential next steps for action."
5. Crosby, Tina C. and others. 2006. Grading Ornamental Fish. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-118, 5 pp
6. _____. 2006. Harvesting Ornamental Fish from Ponds. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-117, 5 pp
7. _____. 2006. On-Farm Transport of Ornamental Fish. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-119, 6 pp
8. _____. 2006. Preparation of Ornamental Fish for Shipping. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-120, 4 pp
9. Dhar, Arun. 2007. Use of cDNA Microarray to Isolate Differentially Expressed Genes in White Spot

Virus of Infected Shrimp. Department of Biology, San Diego State University: San Diego State University.

Abstract: "White spot syndrome is a highly contagious disease that has nearly wiped out commercial shrimp farming in Asia. The disease, caused by the white spot syndrome virus, is currently the most costly viral pathogen infecting farmed shrimp worldwide. It infects penaeid shrimp, a family of prawns that includes many commercially farmed and wild species."

10. Elston, Ralph A. 1990. Mollusc Diseases: Guide for the Shellfish Farmer. Seattle and London: University of Washington Press.
11. Fausch, Kurt D. and others. 2006. Strategies for Conserving Native Salmonid Populations at Risk from Native Fish Invasions: Tradeoffs in Using Barriers to Upstream Movement. Publications Distribution, Rocky Mountain Research Station, 240 West Prospect Road, Fort Collins, CO 80526.
Notes: General Technical Report RMRS-GTR-174
Abstract: "Native salmonid populations in the inland West are often restricted to small isolated habitats at risk from invasion by nonnative salmonids. However, further isolating these populations using barriers to prevent invasions can increase their extinction risk. This monograph reviews the state of knowledge about this tradeoff between invasion and isolation. We present a conceptual framework to guide analysis, focusing on four main questions concerning conservation value, vulnerability to invasion, persistence given isolation, and priorities when conserving multiple populations. Two examples illustrate use of the framework, and a final section discusses opportunities for making strategic decisions when faced with the invasion-isolation tradeoff."
12. Friedman, Carolyn and others. 2006. Pharmacokinetics and Efficacy of Oxytetracycline in RLP-Infected Abalone. 9500 Gilman Drive, La Jolla, CA: California Sea Grant College Program.
Notes: 2 pp
Abstract: "Sea Grant research has led to the development of a cure for an abalone wasting disease that destroyed about \$1.5 million worth of farmed abalone product at two California farms during the 1997-98 El Nino. The antibiotic therapy is now being used to help in the restoration of endangered wild white abalone on the U.S. West Coast."
13. Graham Michael H., Moss Landing Marine Laboratories. 2005. Development of Rope-Culture Methods for Red Seaweed Aquaculture in California. San Jose, California: California Sea Grant Program, University of California.
Notes: 2 pp
Abstract: "...the continued demand abroad and domestically for high-quality shellfish, particularly for sushi and other Asian cuisines, creates an economic impetus for exploring techniques to maintain the industry's profitability."
14. Hidu, H. and S. Chapman and W. Mook , 2003. Overwintering of Eastern Oysters: Guidance for Small-Scale Growers. University of Maine, Maine Sea Grant Program.
Notes: Marine Extension in Action, MSG-E-06-03
15. Lee, Cheng Lee and Patricia J. O'Bryan. 2007. Open Ocean Aquaculture - Moving Forward. Waimanalo, Hawaii: Oceanic Institute.
Abstract: "The objective of this workshop was to review and assemble information on operating open ocean aquaculture in various parts of the world and to develop a strategy for moving forward with the concept while maintaining current environmental conditions."
16. Leffler, Merrill et al. 2003. Restoring Oysters to U.S. Coastal Waters. Silver Spring, MD: Oyster Disease

Research Program, National Sea Grant College Program.

Notes: Um-SG-TS-98-03 and VSG-98-05

"From the east coast to the west, America's oysters have faced an onslaught from disease. Subjected to overharvesting, pollution and habitat destruction, the eastern oyster has been besieged by parasitic disease for more than a decade. At the same time intensive culture of the Pacific oyster on the west coast has led to high summer mortalities. Now, Congressionally supported research and outreach efforts have made advances that will help sustain these important species."

17. Livengood, E. J. and F. A. Chapman. 2007. The Ornamental Fish Trade: An Introduction with Perspectives for Responsible Aquarium Fish Ownership. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-124, 8 pp
18. Marcus, Nancy H. and Jeffrey A. Wilcox. 2007. A Guide to the Meso-Scale Production of the Copepod *Acartia tonsa*. Biological Oceanography, Department of Oceanography, Florida State University.
19. Miles, Richard D. and Frank A. Chapman. 2007. What are Nutrient-Dense Fish Feeds and Their Importance in Aquaculture? Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-145, 4 pp
20. Moore, James. 2005. A Comprehensive Oyster Disease Survey in California. Bodega Marine Laboratory, Davis: California Sea Grant Program, University of California.
Abstract: "Shellfish farming was threatened in 2002 when two wild Pacific oysters from Washington's Dungeness Bay were found to be infected with the pathogen *Mikrocytos mackini*, the causative agent of Denman Island disease."
21. O'Connor, Thomas P. 1992. Recent Trends in Coastal Environmental Quality: Results from the First Five Years of the NOAA Mussel Watch Project. National Oceanic and Atmospheric Administration.
22. Pittenger, Richard et al 2007. Sustainable Marine Aquaculture: Fulfilling the Promise: Managing the Risks. Report of the Marine Aquaculture Task Force Takoma Park, MD.
Notes: 128 pp
Abstract: "Sustainable development of aquaculture requires that its environmental impacts be addressed effectively, particularly if, as predicted by many experts, a large proportion of the future growth in aquaculture is through in situ culture in marine waters...The Task Force has identified six key areas that must be addressed to ensure that marine aquaculture poses minimal risks to the health of marine ecosystems and that will promote a more sustainable U.S. marine aquaculture industry."
23. Pouder, Deborah B., Eric W. Curtis, and Roy P.E. Yanong. 2005. Common Freshwater Fish Parasites Pictorial Guide: Crustaceans. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-115, 4 pp
24. _____. 2005. Common Freshwater Fish Parasites Pictorial Guide: *Acanthocephalans*, *Cestodes*, *Leeches*, & *Pentastomes*. Gainesville, FL: Department of Fisheries and Aquatic Sciences,

Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.

Notes: FA-114, 4 pp

25. _____. 2005. Common Freshwater Fish Parasites Pictorial Guide: Dinoflagellates, Coccidia, Microsporidians, & Myxozoans. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: Fa-110, 4 pp
26. _____. 2005. Common Freshwater Fish Parasites Pictorial Guide: Flagellates. Gainesville, FL : Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-109, 4 pp
27. _____. 2005. Common Freshwater Fish Parasites Pictorial Guide: Monogeneans. Gainesville, FL : Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-111, 4 pp
28. _____. 2005. Common Freshwater Fish Parasites Pictorial Guide: Motile Ciliates. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-108, 4 pp
29. _____. 2005. Common Freshwater Fish Parasites Pictorial Guide: Nematodes. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-113, 4 pp
30. _____. 2005. Common Freshwater Fish Parasites Pictorial Guide: Sessile Ciliates. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-107, 4 pp
31. _____. 2005. Common Freshwater Fish Parasites Pictorial Guide: Digenean Tremetodes. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: FA-112, 4 pp
32. Reutter, Jeffrey M. and Jeffrey R. Stepan, Committee Co-chairs. 1999. Science Serving the 21st Century. National Sea Grant College Program.
Notes: OHSU-B-053: 3/99
33. Rickards, William L. and Paul C. Ticco. 2002. The Suminoe Oyster, *Crassostrea ariakensis*, in Chesapeake Bay: Current Status and Near -term Research Activities. Madison House- 170 Rugby Road. University of Virginia, Charlottesville, VA 22903: University of Virginia. 6 pp
34. Ruth, Amanda M., Leslie N. Sturmer, and Charles M. Adams. 2005. Organizational Structures and Strategies for the Hard Clam Aquaculture Industry in Florida. University of Florida, Gainesville, FL 32611-0409: Florida Sea Grant.
Notes: Report on Project 02-1E0831-0105, TP 141
Abstract: "This study provides guidance on statewide organization for the commercial hard

clam culture industry in Florida. The study characterizes the structure of and identifies strategies for successful agricultural and aquacultural organizations designed to provide the resources need to solve current and projected industry problems. Objectives were to 1) characterize the structure of successful and relevant organizations , 2) identify successful revenue generating strategies, 3) provide the hard clam culture industry with options to help facilitate their organizational decisions, and 4) assist clam growers in Florida in developing an umbrella organizational strategy that will meet their future industry needs."

35. Silva, Sean and others. 1994. C-FARMS: Coastal Finfish Aquaculture-Rearing Model System. Durham, N.H. : University of New Hampshire Sea Grant College Program: University of New Hampshire Sea Grant College Program.
Abstract: "The decline of commercial fish stocks coupled with the increased demand for fish has led to the need for aquacultural fish farming. Lack of inshore sties for fish farming and attendant visual alterations of the natural coastline have caused the farming movement to head offshore. Open ocean fish farming presents a far greater design challenge than traditional, protected coastal water fish farming. The volatile condition require a design that takes into consideration dynamic forces as well as static forces. C-FARMS provides a unique solution to the open ocean fish farming problem. Rather than rely solely on the strength of the cage for surviving the higher sea state conditions, C-FARMS uses submersion in order to reduce the wave forces on the cage, and offers and ability for rapid withdrawal to a safe haven if necessary."
36. The New Jersey Department of Agriculture. 2003. A Guide to Developing Aquaculture in New Jersey. Trenton, NJ 08625-0330: Fish & Seafood Development Program, New Jersey Department of Agriculture.
37. Thompson, Brian, Mary Jane Perry, and Christopher Davis. 2006. Phytoplankton in the Damariscotta River Estuary. Marine Research in Focus. 3: 4 pp. University of Maine: University of Maine, Cooperative Extension.
Notes: MSG-E-06-04
38. Timmons, Michael et al. 1991. Engineering Aspects of Intensive Aquaculture. Northeast Regional Agricultural Engineering Service.
Notes: NRAES-49
Abstract: The proceedings include 23 papers in the areas of closed systems, system design considerations, water quality and engineering and management considerations. The symposium chaired by Dr. Michael Timmons was held at Cornell University April 4-6, 1991.
39. Torosyan, Lina, Design and Layout. 2001. Marine Aquaculture in Maine: How the public can participate in the leasing process.
Notes: 8 pp
40. Washington Fish Growers Association. 2002. Code of Conduct: Saltwater Salmon Net-Pen Operations, WSG-AS 02-02. 10420 173rd Ave. SW, Rochester, WA 98579: Washington Fish Growers Association.
41. Weidner, Dennis and others. 1992. World Shrimp Culture. NOAA Tech. Memo. NMFS-F/SPO-5, Vol. 2: Latin America. Part 1 Silver Spring, MD : Office of International Affairs, National Marine Fisheries Service, National Marine Fisheries Service.
42. Weidner, Dennis and Randy Wells Amir Manuar Tom Revord. 1992. World Shrimp Culture. World Shrimp Culture, Vol. 2: Latin America, Part 3 NOAA Tech. Memo. NMFS/F/SPO-7 Office of International Affairs, National Marine Fisheries Service, National Oceanic and Atmospheric

Administration.

43. Wildman, Mark and others. 1992. World Shrimp Culture. World Shrimp Culture, Vol. 1. NOAA Tech. Memo. NMFS-F/SPO-4Office of International Affairs, National Marine Fisheries Service, National Oceanic and Atmospheric Administration.
44. Winn, Valerie, ed. 2006. "In Search of the Perfect Oyster", Sea Briefs: News Highlights from the Mississippi-Alabama Sea Grant Consortium, Vol. 6, no. 1. 703 East Beach Drive, Ocean Springs, MS 39564: Mississippi-Alabama Sea Grant Consortium.
45. Yanong, Roy P. E. and others. 2007. Fish Slaughter, Killing and Euthanasia: A Review of Major Published U.W. Guidance Documents and General Considerations of Methods. Gainesville, FL: Department of Fisheries and Aquatic Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
Notes: CIR1525, 7 pp