

HAL WEEKS

Shoals Marine Laboratory
Creek Farm
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Portsmouth, NH 03802
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EDUCATION

Cornell University: Ph.D., Ecology, 1985
Minors in Evolutionary Biology (ichthyology) and Public Policy

Harvard University: A.B., Biology, 1977 (magna cum laude)

EMPLOYERS

Shoals Marine Laboratory, Cornell University April 2007 – present
Portsmouth, NH 03802

Assistant Director, Island and Coastal Programs: Coordinate delivery of SML academic programs, research activities and services; develop new programs and ensure compliance of existing programs with licensing and permitting requirements; serve as core faculty for Ecology of Animal Behavior and guest faculty for other courses; increase community awareness of Shoals Marine Laboratory as an educational and scientific resource.

Oregon Department of Fish and Wildlife November 2003 – present
Newport, OR 97365

Project Leader, Marine Habitat and Nearshore Project: Principal investigator for research project investigating fish densities and habitat associations on nearshore rocky reefs. Responsible for proposal preparation, budgeting, research and personnel supervision, data collection, analysis and reporting. Provide technical expertise and advice within Department and to state and federal agencies. Contribute to setting research and data collection priorities, and program policy and direction for nearshore fisheries. Chair Nearshore Advisory Committee and coordinate Marine Resources Program implementation of Nearshore Strategy. Member of Pacific Fishery Management Council Habitat Committee.

Oregon Department of Fish and Wildlife July 2002 – November 2003
Newport, OR 97365

Project Leader, Coastal Chinook Research and Monitoring Project: Principal investigator for approximately \$800,000 project to address Oregon responsibilities under the Pacific Salmon Treaty in six coastal basins. Project goals include developing precise estimates

of spawner abundance through mark-recapture methods, calibrating spawning survey methods, and monitoring returns of exploitation indicator stocks. Responsible for proposal preparation, budgeting, personnel supervision, field data collection and analysis, and report preparation.

Oregon Department of Fish and Wildlife

Newport, OR 97365

September 2001 – July 2002

Temporary biologist: Analyzed mark-recapture data as the basis for spawning population estimates for fall chinook salmon in four Oregon coastal drainages; statistical packages used include Statistica, SPAS and Microsoft Excel. Report writing for project funders (U.S. – Canada Pacific Salmon Treaty), ODFW Information Reports and peer reviewed publications began May 2002. Prepared task budgets for 2002-03 field and analytic work. On another project, I wrote biological synopses for some two dozen species proposed to be brought into an interim nearshore marine fishery management plan. I also drafted significant portions of the staff report that is the basis for public information and decisions by the Developmental Fisheries Board and Oregon Fish and Wildlife Commission, and have coordinated public meetings and served as a point of contact for members of the fishing fleet and ODFW field staff.

Oregon State University – Sea Grant Extension

Newport, OR 97365

September 1998 – June 2001

Marine Fisheries Specialist: First extension faculty member in a new position tasked with improving communication on non-salmonid fisheries between fishermen, fisheries scientists, fisheries managers and the public. Approached this charge through newsletters, workshops/symposia, and personal contacts. Sponsored and organized research poster session to improve researcher-industry understanding. Sponsored workshops to familiarize West Coast shrimp fishermen with bycatch reduction devices. Established collaborative research fellowship to improve working relationships of student scientists and fishermen. Served as panelist and rapporteur for inter-agency and public group to advise Sea Grant on research funding priorities. Co-taught graduate class addressing marine reserves.

Oregon Department of Fish and Wildlife

Newport, OR 97365

April 1996 – August 1998

Bycatch Project Leader: Coordinated three- state observation and data collection project to document incidental catch rates by vessels landing Pacific whiting at shoreside processing plants. Recruited, hired and supervised data technician. Responsible for timely data analysis and reporting to collaborating state and federal agencies, and fishing industry. Produced a cooperative educational video with fishing industry to reduce incidental catch and discard mortality of Pacific halibut in other recreational and

commercial fisheries. ODFW representative on Scientific and Statistical Committee of North Pacific Fishery Management Council.

Oregon Department of Fish and Wildlife

Portland, OR 97207

March 1991 – March 1996

Fish Conservation Coordinator: Responsible for initiating and coordinating intra- and interagency conservation measures for to endangered, threatened and sensitive fishes, particularly non-game species. Extensive collaboration with federal and other state agencies, conservation organizations, and the public. Coordinated preparation and implementation of interagency conservation plan for endangered Oregon chub. Wrote funding proposals for priority conservation actions. Conducted public meetings for proposed state endangered species act listing. Chair of ODFW Ecosystem Management task group. Presentations on endangered species act and fish conservation issues to industry, school and public groups.

North Pacific Fishery Management Council

Anchorage, AK 99510

May 1989 – March 1991

Bering Sea Groundfish Coordinator: Responsible for interagency coordination of stock assessment documents and environmental, economic and regulatory analyses of amendment alternatives for Bering Sea/Aleutian Islands groundfish fishery management plan. Focal issues include harvest levels, bycatch management, and marine mammal-fishery interactions. Presented analytic documents to Council, industry advisory panel, and scientific and statistical committee. Served as liaison between Council and other federal and state agencies, commercial fishing groups, media, and the public.

U.S. Department of State

Washington, D.C. 20510

December 1985 – May 1989

Office of Fisheries Affairs (1986 - 1989):

Principal focus on Pacific Ocean tuna fisheries. Coordinated intra-agency (multiple office) efforts leading to ratification and entry into force of South Pacific Regional Fisheries Treaty. Other responsibilities included issues related to North Pacific fur seals, tuna-dolphin interactions, sea turtles, Pacific salmon, and African fisheries.

Office of Environment and Health (1985 - 1986):

AAAS Science, Engineering and Diplomacy Fellow - served as international health officer. Coordinated interagency working group charged with developing foreign policy response to the global AIDS pandemic. Analyzed potential health benefits for proposed immigration restrictions based on HIV infection status. Responsible for oversight of global health issues, and liaison with Department of Health and Human Services for timely coordination and approval of international health and biomedical research activities.

Energy Resources Co. Inc.

Cambridge, MA 02138

June 1977 – June 1978

Summer 1979

Scientist: Wrote proposals resulting in over \$200,000 in new governmental and commercial contracts. Performed contract research on projects addressing environmental, energy and regulatory issues. Assistant manager on two projects.

TEACHING EXPERIENCE

Shoals Marine Laboratory, Appledore Island, Gulf of Maine
(Cornell University & University of New Hampshire)

Core faculty: Ecology of Animal Behavior: 1983- 2006 (some years not offered)
co-founded and developed two week, four credit intensive field course
emphasis on scientific method and field investigations
301 students over 21 class offerings - principally advanced undergraduates,
with some graduate students and professionals
excellent student evaluations

Instructor: Marine Mammal seminars: 1983 - 1985

Teaching Assistant: Field Marine Science II: 1981, 1982

Oregon State University, Corvallis and Newport, Oregon

Biology of Fishes (FW 599): Two week, three credit class oriented to high school teachers, August 2001

Marine Reserves (FW 599) – Associate faculty, January 2001

Invited Seminar: MRM 509 - Ecology of Fisheries Bycatch, Feb 1998

Field Coordination: FW 401 - Rockfish & Lingcod Student Research, 1997, 1998

Guest Lectures: FW 325 – Ecology of Marine Fisheries, 1993, 1994

Cornell University, Ithaca, New York 1978 - 1985

Teaching Assistant: Biology of Fishes - 3 semesters

The Vertebrates - 3 semesters

General Ecology - 1 semester

Introductory Biology laboratories - 4 semesters

Harvard University, Cambridge, Massachusetts

Teaching Assistant: Evolution, Genetics and Society, 1977

Bureau of Study Counsel: Tutor Award Seminar, 1976 - 1977

RESEARCH

Graduate: Ecology of the threespine stickleback (*Gasterosteus aculeatus*):

Reproduction in rocky tidepools

Shoals Marine Laboratory, Appledore Island, Gulf of Maine

Advisor: Dr. William N. McFarland

Designed and carried out study to determine factors that influenced the spatial distribution of successfully reproducing sticklebacks in rocky tidepools. Factors investigated included physical disturbance due to wave activity, primary productivity, inorganic nutrient levels, and population size and growth rates of juvenile sticklebacks.

Undergraduate: Mate selection in the *Anolis brevirostris* complex of Hispaniola (Senior Honors Thesis)

Advisor: Dr. David P. Crews

Additional Research Interests:

Conservation Biology
Behavioral Ecology
Ecosystem Ecology
Ichthyology/Vertebrate Biology
Environmental and Energy Policy

PROFESSIONAL SOCIETIES

American Association for the Advancement of Science
American Fisheries Society
Ecological Society of America
Sigma Xi
Society for Conservation Biology

PROFESSIONAL and VOLUNTEER SERVICE

American Fisheries Society

Oregon Chapter President	1997-98
President-elect and Program Committee Chair	1996-97
Past-President	1998-99

Organized Threatened and Endangered Fishes Symposium for 1993 National Meeting

Organized symposium on uncertainty and precautionary management in marine fisheries for 1999 national meeting.

Organized several symposia for Oregon chapter annual meetings.

Drafted position papers, testimony and comments on legislative and administrative policy issues for Oregon chapter and Western Division.

Gilbert Ichthyological Society, President	1994 - 1995
Metro Washington Park Zoo, Education Volunteer	1992 - 1996
“Zooniversity” class on fishes	1993 - 1996
“Science: A View from the Zoo”	1995 - 1996
New England Aquarium, Education Volunteer	1976 - 1977

AWARDS AND HONORS

U.S. Department of State:

Outstanding Performance Awards: July 1986, October 1988, April 1989

Cornell University:

Section of Ecology and Systematics:

Distinguished Teaching Assistant Award, 1981 - 1982

Clark Teaching Assistant Award nominee, 1983

Teaching Fellowship, 1983 - 1984

Wiegand Summer Fellowship, 1981

Harvard University:

Tutor Award Seminar, Bureau of Study Counsel, 1976 - 1977

Dean's List every semester

Harvard Club of Southern Connecticut

Outstanding Senior Award, 1977

PUBLICATIONS AND REPORTS

Williams, J.E., C.A. MacDonald, C.D. Williams, H. Weeks, G. Lampman and D. W. Sada. 2005. Prospects for Recovering Endemic Fishes Pursuant to the U.S. Endangered Species Act. *Fisheries*. 30(6): 24 – 29.

Weeks, H., A. Merems and B. Miller. 2005. 2004 Nearshore Rocky Reef Habitat and Fish Survey, and Multi-Year Summary. Final Report for 2004-05 Grant, Cooperative Agreement No. PS05035. Oregon Department of Fish and Wildlife. 20 pp.

[Downloadable pdf file at http://www.dfw.state.or.us/mrp/.](http://www.dfw.state.or.us/mrp/)

Weeks, H. and A. Merems 2004. 2003 Nearshore Rocky Reef Habitat and Fish Survey, and Multi-Year Summary. Final Report for 2003-04 Grant. Cooperative Agreement No. 001-3176C-Fish. Oregon Department of Fish and Wildlife. 13 pp. [Downloadable pdf file at http://www.dfw.state.or.us/mrp/.](http://www.dfw.state.or.us/mrp/)

Fox, D.S.; A. Merems, M. Amend, H. Weeks, H. C. Romsos and M. Appy. 2004. Comparative Characterization of Two Nearshore Rocky Reef Areas: A high-use recreational fishing reef vs. an unfished reef. Newport, OR: Oregon Department of Fish and Wildlife. 67 pp. [Downloadable pdf file](#) (14 mb) at <http://www.dfw.state.or.us/mrp/>.

Shiple, J.B., H. Weeks and J. Barrett. 2004. On the Development of a National Ocean Policy. *Fisheries*. 29(5): 24 – 28.

Moyers, S., J. White, B. Riggers, M. Williams, C. Sheely and H. Weeks. 2003. Umpqua River Fall Chinook Salmon Escapement Indicator Project: 1998 - 2002. Cumulative Progress Report. Oregon Department of Fish and Wildlife, Marine Resources Program, Newport, OR. 41 pp. [Downloadable pdf file](#) at <http://hmsc.oregonstate.edu/odfw/reports/salmon.html>

Riggers, B., H. Weeks, J. White, M. Hogansen and S. Jacobs. 2003. Fall Chinook Salmon in the Coos River: spawner escapement, run reconstruction and survey calibration 1998 - 2000. Final Report. Oregon Department of Fish and Wildlife, Marine Resources Program, Newport, OR. 39 pp. [Downloadable pdf file](#) at <http://hmsc.oregonstate.edu/odfw/reports/salmon.html>

Weeks, H., B. Riggers and J. White. 2003. Fall Chinook Salmon in the Siuslaw River: spawner escapement, run reconstruction and survey calibration 2001 - 2002. Cumulative Progress Report. Oregon Department of Fish and Wildlife, Marine Resources Program, Newport, OR. 36 pp. [Downloadable pdf file](#) at <http://hmsc.oregonstate.edu/odfw/reports/salmon.html>

Weeks, H., B. Riggers and J. White. 2003. Fall Chinook Salmon in the Coquille River: spawner escapement, run reconstruction and survey calibration 2001 - 2002. Cumulative Progress Report. Oregon Department of Fish and Wildlife, Marine Resources Program, Newport, OR. 32 pp. [Downloadable pdf file](#) at <http://hmsc.oregonstate.edu/odfw/reports/salmon.html>

White, J., H. Weeks and B. Riggers. 2003. Nehalem River Fall Chinook Salmon Escapement Indicator Project: 1998 - 2002. Cumulative Progress Report. Oregon Department of Fish and Wildlife, Marine Resources Program, Newport, OR. 49 pp. [Downloadable pdf file](#) at <http://hmsc.oregonstate.edu/odfw/reports/salmon.html>

Weeks, H. and S. Parker. 2002. Scientific and Management Uncertainty Create Competing Precautionary Needs for Fishery Managers. *Fisheries*. 27(3): 25 – 27.

Weeks, H. 2002. West coast ground fisheries management – the challenge of connecting nature with people through science and politics. *Current*. 18(1): 21 – 24.

Lord, W.D., M.C. Boudreaux, J.P. Jarvis, J. Waldvogel and H. Weeks. 2002. Comparative Patterns in Life Course Victimization: Completion, Social Rivalry and Predatory Tactics in Child Homicide in the United States. *Homicide Studies*. 6(4): 325 – 347.

Weeks, H. and S. Berkeley. 2000. Uncertainty and precautionary management of marine fisheries: Can the old methods fit the new mandates? *Fisheries*. 25(12): 6 – 15.

Musick, J.A., M.M. Harbin, S.A. Berkeley, G.H. Burgess, A.M. Ecklund, L. Findley, R.G. Gilmore, J.T. Golden, D.S. Ha, G.R. Huntsman, J.C. McGovern, S.J. Parker, S.G. Poss, E. Sala, T.W. Schmidt, G.R. Sedberry, H. Weeks and S.G. Wright. 2000. Marine, estuarine and diadromous fish stocks at risk of extinction in North America (exclusive of Pacific salmonids). *Fisheries*. 25(11): 6 – 30.

Parker, S.J., S.A. Berkeley, J.T. Golden, D.R. Gunderson, J. Heifetz, M.A. Hixon, R. Larson, B.M. Leaman, M.S. Love, J.A. Musick, V.M. O'Connell, S. Ralston, H.J. Weeks and M.M. Yoklavich. 2000. Management of Pacific rockfish. *Fisheries*. 25(3): 22 – 30.

Weeks, H.J. and L. Hutton. 1998. 1998 Pacific Whiting Shoreside Observation Program. Oregon Department of Fish and Wildlife. Newport, OR.

Weeks, H.J. and L. Hutton. 1997. 1997 Pacific Whiting Shoreside Observation Program. Oregon Department of Fish and Wildlife. Newport, OR.

Weeks, H.J. and R. Kaiser. 1997. Salmon Bycatch in the Pacific Whiting Fisheries: 1991 - 1996. Oregon Department of Fish and Wildlife. Newport, OR.

Weeks, H.J. and S. Kupillas. 1996. 1996 Pacific Whiting Shoreside Observation Program. Oregon Department of Fish and Wildlife. Newport, OR.

Wilson, W.J. and H. J. Weeks. 1996. Policy and regulatory measures to control incidental mortality of Pacific halibut in groundfish fisheries of the North Pacific Ocean. pp. 219 - 239 in Meyer, R.M., C. Zhang, M.L. Windsor, B.J. McCay, L.J. Hushak, and R.M. Muth, eds. 1996. Fisheries resource utilization and policy. Proceedings of the World Fisheries Congress, Them 2. Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi.

Marshall, D.B., M. Chilcote and H. Weeks. 1996. Species at Risk: Sensitive, Threatened and Endangered Vertebrates of Oregon, 2nd ed'n. Oregon Department of Fish and Wildlife, Portland, OR.

Weeks, H. 1996. Oregon Endangered Species Act Update. *Fish News and Views*. 2(2): 1-2, Oregon Department of Fish and Wildlife Research and Development Section, Corvallis, OR.

Weeks, H. 1995. Conservation of the Oregon Chub. *Wild Fish and Forests*, pp 14 - 16. Spring 1995. The Wilderness Society, Northwest Regional Office, Seattle.

Weeks, H.J. 1995. Non-game fish species accounts. in Kostow, K., ed. 1995. Biennial Report on the Status of Wildfish in Oregon. Oregon Department of Fish and Wildlife, Portland, OR.

Bottom, D., C. Bruce, C. Ely, D. Fox, J. Golden, K. Jones, D. Leckenby, D. McAllister, G. McEwen, T. O'Neill, H. Weeks and S. Weston. 1994. Ecosystem-based Management Strategy, Review Draft. Oregon Department of Fish and Wildlife, Portland, OR.

Weeks, H.J. 1991. Pacific Herring Management in the Bering and Chukchi Seas: A Federal Perspective. Proceedings of the Lowell Wakefield International Herring Symposium, Alaska Sea Grant 91-01, pp. 491 - 505.

Weeks, H.J. 1985 Reproductive Ecology of the threespine stickleback, Ph.D. dissertation, Cornell University.