

RESUME of
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Education

- 1976 Michigan State University: B.S., Fishery Biology (Honor)
1980 University of Washington: M.S., Quantitative Fishery Management
1988 University of Washington: Master of Public Administration, Natural Resource Policy and Administration.

Scientific Experience:

- 1977-1983 Fishery research biologist, Northwest and Alaska Fisheries Center, Seattle, WA. Member of Ecosystem modeling group which developed models of North Pacific ecosystems.
1984-1996 Supervisory fishery research biologist, Alaska Fisheries Science Center, Seattle, WA. Head of the Trophic Interaction Group/Resource Ecology and Ecosystem Modelling Task in the Resource Ecology and Fishery Management Division which involves planning and conducting research on marine fish feeding interactions and applying and parameterizing single-species, multispecies and ecosystem models.
1997 – 2004 Program manager, Resource Ecology and Ecosystem Modeling Program, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center.
2005 – now Division director, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center
1989- now Affiliate faculty member, University of Washington School of Fisheries

Committees and Societies:

- 1983-1986 Member, officer, and regional correspondent Marine Fisheries Section, American Fisheries Society
1984-1986 Member, Sea Use Council Scientific and Technical Advisory Board
1989–2003 Member, American Institute of Fishery Research Biologists
1990-1991 Committee member, American Fisheries Society, Professionalism committee
1991-1992 Member and membership chair of the International Fisheries Section, American Fisheries Society
1991-1992 Membership committee, American Fisheries Society
1995-2001 Member, MODEL Task Team of PICES CCCC GLOBEC Program
1995-1996 Member, PICES WG5 on Bering Sea
1995-1997 Co-lead, MMPA Bering Sea Ecosystem Study Plan
1996-1997 Associate Director, NW Washington Chapter of American Institute of Fishery Research
1996-1998 National representative, PICES CCCC GLOBEC Implementation Panel
1996-1998 Co-chair, PICES-GLOBEC Climate Change and Carrying Capacity Program
1999-2001 Chairman, PICES Science Board
2001-now Member, Arctic Climate Impact Assessment, Marine Drafting Group
2001-now Member, North Pacific Fishery Management Council Ecosystem Committee
2002-now Member, EVOS STAC Nominating Committee
2002 Member, PICES Organizational Review Committee
2002-now Member, Bering Sea Ecosystem Study Group, (ARCUS/NSF)

2003- Member, North Pacific Fishery Management Council, Scientific and Statistical Committee

2003- Member, NPFMC Ad-hoc nontarget species committee

2003-2004 Member, PICES Ecosystem Based Management Study Group

2004- now Member, PICES Ecosystem Based Management Working Group

2004 Member, NMFS drafting committee, Magnuson-Stevens Act Re-authorization

2005 – now US Member, PICES Finance and Administration Committee

2005 – now Member, US GLOBEC SSC

SELECTED PUBLICATIONS

Jurado-Molina, J. and P. A. Livingston. 2002. Climate-forcing effects on trophically linked groundfish populations: implications for fisheries management. *Can. J. Fish. Aquat. Sci.* 59:1941-1951.

Livingston, P.A. 1997. A review of models for predicting the effects of climate change on upper trophic level species. In: Perry, I., S. Yoo, and M. Terazaki (eds.) *Summary of the Workshop on Conceptual/Theoretical Studies and Model Development*. PICES Scientific Report No. 7. PICES, c/o P.O. Box 6000, Sidney, B.C., Canada. V8L 4B2.

Livingston, P.A. 2005. PICES' role in integrating marine ecosystem research in the North Pacific. *Mar. Ecol. Prog. Ser.* 300:257-259.

Livingston, P.A., K. Aydin, J. Boldt, J. Ianelli, and J. Jurado-Molina. 2005. A framework for ecosystem impacts assessment using an indicator approach. *ICES J. mar. Sci.* 62:592-597.

Livingston, P.A. and J-J. Jurado-Molina. 2000. A multispecies virtual population analysis of the eastern Bering Sea. *ICES J. Mar. Sci.* 57:294-299.

Livingston, P.A., L-L. Low, and R.J. Marasco. 1999. Eastern Bering Sea ecosystem trends. p. 140-162. In: Sherman, K. and Q. Tang (eds) *Large Marine Ecosystems of the Pacific Rim: Assessment, Sustainability, and Management*. Blackwell Science, Inc. Malden, MA. 465p.

Livingston, P.A. and R.D. Methot. 1998. Incorporation of predation into a population assessment model of eastern Bering Sea walleye pollock. P. 663-678. In: *Fishery Stock Assessment Models*. Alaska Sea Grant College Program Publication AK-SG-98-01. 1037p.

Livingston, P.A. and S. Tjelmeland. 2000. Fisheries in boreal ecosystems. *ICES J. Mar. Sci.* 57:619-627.

Orensanz, J., B. Ernst, D.A. Armstrong, P. Stabeno, P.A. Livingston. 2005. Contraction of the geographic range of distribution of snow crab (*Chionoecetes opilio*) in the eastern Bering Sea – an Environmental Ratchet? *CalCOFI Rep.*, Vol. 45. p. 65-79.

Pikitch, E.K., C. Santora, E.A. Babcock, A. Bakun, R. Bonfil, D.O. Conover, P. Dayton, P. Doukakis, D. Fluharty, E.D. Houde, J. Link, P.A. Livingston, M. Mangel, M.K. McAllister, J. Pope, K.J. Sainsbury. 2004. Ecosystem-based fishery management. *Science* 305: 346-347.

Schumacher, J.D., N. A. Bond, R. D. Brodeur, P. A. Livingston, J. M. Napp and P. J. Stabeno, (2003): Climate Change in the Southeastern Bering Sea and Some Consequences for Biota. pp17-40. In: *Large Marine Ecosystems of the World: Trends in Exploitation, Protection, and Research*. G. Hempel, K. Sherman, editors. Amsterdam: Elsevier Science. 440 pp.