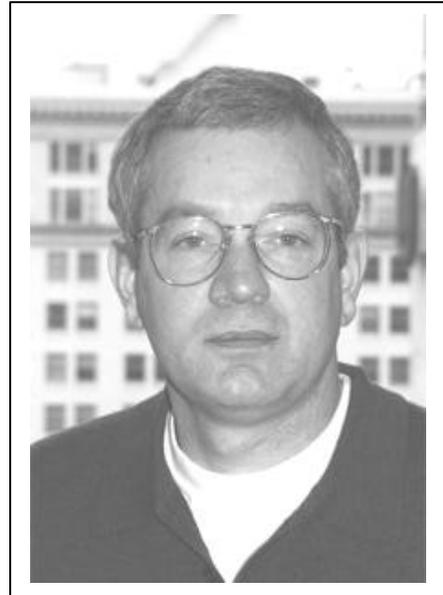


Independent Scientific Advisory Board: Member Resume

Brian E. Riddell

Appointed to Board: 1996



Expertise

Salmon biology, stock assessment and fisheries management. Pacific Salmon Treaty between the United States and Canada.

Fields of Research: Population biology and genetics of Pacific salmon; including conservation genetics of small natural populations and the impact of intensive culture on enhanced stocks and local natural populations including behavioral and developmental genetics. Population dynamics and fishing mortality estimates for Pacific salmon, particularly chinook salmon.

Employment

Present Employment: Government of Canada
Dept. of Fisheries and Oceans
Science Branch, Pacific Biological Station,
Nanaimo, B.C. V9R 5K6

Employment highlights:

Research Scientist (since 1979) in Salmon biology and stock assessment
First Chairman, Salmon Sub-Committee of the Pacific Stock Assessment Review Committee (PSARC); participating member ... on-going.
Currently, Research Scientist Level 4, Head of Chinook and Coho Stock Assessments.
Senior Scientist for Canada to the Pacific Salmon Treaty. Canadian chair, Chinook Technical Committee, Pacific Salmon Commission (since 1983).
Canadian chair, Analytical working group, Selective Fishery Evaluation Committee, PSC.

Education

- 1979 Ph.D. (Ecology/Population Biology), McGill University.
Riddell, B.E. 1979. Environmental and genetic sources of geographic variation in populations of Atlantic salmon *Salmo salar* Linnaeus. Ph.D. McGill University, Montreal, P.Q. 196 p.
- 1974 B.Sc. Honours Marine Biology, University of Guelph.

Honors and Awards

- 1994 Canada 125th Anniversary Medal for citizenship in the community and contributions to the conservation of Pacific Salmon
- 2000 Assistant Deputy Minister's Commendation in Fisheries Management for contributions to the development of the 1999 Pacific Salmon Treaty
- 2000 Deputy Minister's Prix d'Excellence Award, member of the PST negotiation team (three Departmental Merit Awards previous to 2000)
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Five most significant publications and contributions

- Riddell, B.E. 1993. Spatial Organization of Pacific Salmonids: What to conserve? p. 23-41. In J.G.Cloud and G.H.Thorgaard (ed.) Genetic Conservation of Salmonid Fishes. NATO Advanced Studies Inst., Series A, Vol. 248. Plenum Press.
- Riddell, B.E. 1993. Salmonid enhancement: lessons from the past and a role for the future. p. 338-355. *In* D. Mills [ed.]. Salmon in the sea and new enhancement strategies. Fishing News Books, Blackwell Scientific Publ. Ltd., Oxford, OX2 OEL
- Member, Committee on Protection and Management of Pacific Northwest Anadromous Salmonids, U.S. National Research Council (1993 - 1995), publication: *Upstream: Salmon and Society in the Pacific Northwest*. 1996. Committee on Protection and Management of Pacific Northwest Anadromous Salmonids. National Academy of Sciences, Washington, D.C. 388 p.
- Cass, A. and B. Riddell. 1999. A life history model for assessing alternative management policies for depressed chinook salmon. *ICES J. Marine Sci.* 56: 414-421.
- Stock Assessment Division. 2000. A Wild Salmon Policy: A New Direction. Canadian Department of Fisheries and Oceans. (www-comm.pac.dfo-mpo.gc.ca/english/newdirections/)