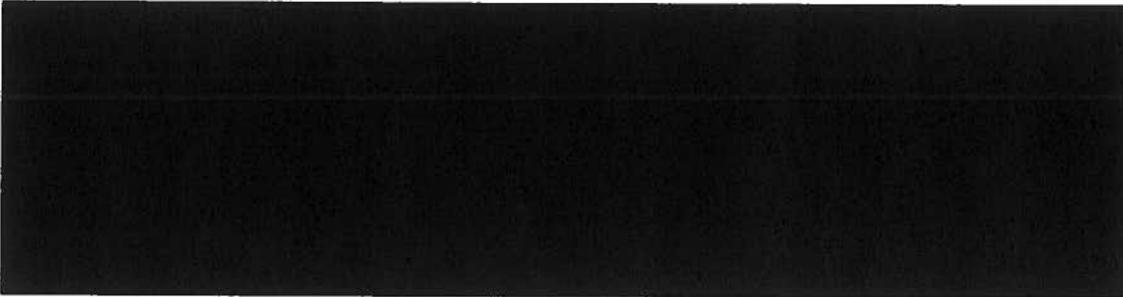


**RESUME**

**NAME:** Michael J. Staley, M.Sc., RPBio.



**POST-SECONDARY EDUCATION:**

- B.Sc. University of British Columbia, 1974. Major: biology; Minor: mathematics and computer science.
- M.Sc. Institute of Animal Resource Ecology, University of British Columbia, 1978. Thesis topic: Optimization study of sport and commercial salmon fisheries on the B.C. coast.

**PROFESSIONAL EXPERIENCE:**

1. October 1988 to Present: Fisheries Advisor to various Aboriginal groups including the Interior Indian Fisheries Commission, the B.C. Aboriginal Fisheries Commission (BCAFC), the First Nations Summit Task Groups, the Fraser Rivers Aboriginal Fisheries Secretariat and the First Nations Marine Society. Responsible for fisheries analysis and advice to member Indian bands from First Nations throughout British Columbia. Liaison with Department of Fisheries and Oceans on fisheries management issues affecting the Aboriginal Peoples in B.C.
2. 2004 to Present: Key member of Fisheries Working Group in the preparations of the Final Agreement, Harvest Agreement and Fisheries Operational Guidelines documents for the Lheidli T'enneh and Yale First Nations.
3. October 1988 to December 2006 The BCAFC appointed chair of the Policy Analysis Group responsible for co-ordinating technical and policy analysis work of the staff of various First Nations and facilitating consultative initiatives with the Government of B.C. and the Department of Fisheries and Oceans.

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4. April 1995 to Present: Member of the Fraser Panel Technical Committee of the Pacific Salmon Commission.
5. October 1994 to March 2001: Independent Facilitator Fraser Watershed Aboriginal Fisheries Forum and associated harvest management committees. The committees act as part of the consultative mechanism for the First Nation parties to Aboriginal Fishing Strategy agreements with the Department of Fisheries and Oceans.
6. September 1982 to present: President and founder of International Analytic Science Limited of Vancouver B.C. The company has under taken several consulting assignments in resource analysis.
7. January 1985 to December 1986: Research Associate, Institute of Animal Resource Ecology, University of British Columbia. Acting head of the Co-operative Fisheries Research Unit. Responsible for co-ordinating government and university research programs in fisheries related policy analysis. Actively involved in research and development of new fish stock assessment methodologies and micro computer software.
8. July 1984 to December 1984: Planning biologist, Planning and Economics Branch, Department of Fisheries and Oceans, Vancouver, B.C. Responsibilities involved project planning and co-ordination for the Pacific Fisheries Management Program and the Salmonid Enhancement Program. Also provided technical support for Canada US salmon treaty negotiations.
9. 1979 to 1984: Vice President and Senior Partner of ESSA, Environmental and Social Systems Analysts Ltd. Responsibilities involved negotiation, supervision and participation in projects for international clients, both government and private, primarily in the area of environmental resource management and policy. Also assumed responsibility for financial and corporate management.
10. 1982 to 1983: Project Leader: Adaptive Resource Policy Project, International Institute for Applied Systems Analysis Laxenburg, Austria. Co-ordinated and supervised the work of nine resident scientists and numerous visiting scientists from North America, Japan, East and West Europe, and the Soviet Union. The area of research involved development and use of analytic tools in resource policy development.
11. 1981 to 1982: Consultant to the Royal Commission on Pacific Fisheries Policy (The

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Pearse Commission). Co-ordinated a review of the stock assessments for the major commercial species of fish and invertebrates. Made presentations to the public hearings as requested by the commissioner.

12. 1979: Systems Ecologist/Modelling Workshop Leader with LGL Environmental Research Associates Ltd. Planned and organised several resource management computer modelling workshops for a range of government and private clients.
13. 1977 to 1980: Consultant to the Canadian Department of Fisheries and Oceans. Assisted in the development of a planning system for the Salmonid Enhancement Program.
14. 1974 to 1975: Research Assistant and Programming Consultant, Ecology Project, International Institute for Applied Systems Analysis, Laxenburg, Austria.
15. 1974: Research Assistant, University of British Columbia. Developed a computer information system for salmon spawning data and stream flow data from British Columbia.

#### **INVITED LECTURES:**

Lectured in the Training Program for the Management and Conservation of Marine Resources, organised by the International Ocean Institute, Malta and the Centre for Foreign Policy Studies, Dalhousie University, Halifax, Nova Scotia. Presented lectures on systems analysis, environmental planning, fish stock assessment, and international treaty negotiation. Participants were mid level managers from countries with newly acquired extended economic zones. August 1983: Halifax, Nova Scotia. August 1984: Halifax, Nova Scotia. December 1984: Port of Spain, Trinidad. August 1985: Halifax, Nova Scotia. August 1986: Halifax, Nova Scotia. March 1987 Arusha, Tanzania. June 1987 Malta. August 1987 Halifax, Nova Scotia. December 1987 Beijing, China. December 1988 Kuala Lumpur, Malaysia. December 1989 Cairo Egypt. August 1990 Halifax, Nova Scotia.

#### **PROFESSIONAL ASSOCIATIONS and OTHER ORGANIZATIONS:**

Member in good standing in The Association of Professional Biologist of British Columbia.

Past President of the Hemlock Valley Home Owners Association.

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**PUBLICATIONS:**

Argue, A.W., R. Hilborn, R.M. Peterman, M.J. Staley, and C. J. Walters. 1983. Strait of Georgia Chinook and Coho Fishery. *Can. Bull. Fish. Aquat. Sci.* 211, 91 pp.

Gazey, W.J. and M.J. Staley. 1986. Population estimation from mark-recapture experiments using a sequential Bayes algorithm. *Ecology* 67(4), 1986, pp. 941-951.

Hilborn, R., C.J. Walters, R.M. Peterman, and M.J. Staley. 1984. Models and fisheries: A case study in implementation. *N. Amer. J. of Fish. Management.* 4: 9-14.

Sonntag, N.C., R.R. Everitt, and M.J. Staley. 1981. Adaptive Environmental Assessment and Management: An integrated approach to resource impact evaluation. In "A Symposium on Land and Water Issues Related to Energy Development", Fourth Annual Meeting of the International Society of Petroleum Industry Biologists. September, 1981.

Staley, M.J. 1984. Management of chinook salmon: Some technical problems. In "Chinook 84: A Symposium on a Salmon Species in Crisis", B.C. Association of Professional Biologists, March, 1984.

Staley, M.J. 1986. Applied ecological modelling in "Economic and Ecological Modelling", International Institute for Applied Systems Analysis, North Holland Press.

Walters C.J., R. Hilborn, R.M. Peterman, and M.J. Staley. 1977. Potential limitation of B.C. salmon due to factors operating in early ocean life. *J. Fish. Res. Board Can.* 35: 184-232.

Walters C.J., M.J. Staley 1986. Evidence against the existence of cyclic dominance in Fraser River sockeye salmon (*Oncorhynchus nerka*). *Can. Spec. Pub. Fish. and Aquat. Sci.* 96. Sockeye Symposium, Population Biology and Future Management. H.D Smith, L. Margolis and, C.C. Wood Editors.

**REPORTS:** Numerous technical and consulting reports in the areas of environmental assessment and fisheries management including:

Birdsall, D.A., P. Lulman, M.J. Staley, 1979. Biomonitoring for the effects of air pollution in the AOSERP study area. Report of a workshop, LGL Ltd., Edmonton, Alberta.

Birdsall, D.A., R.R. Everitt, M.L. Jones, N.C. Sonntag, M.J. Staley, 1980. An adaptive environmental assessment approach to the effects of development of the Alberta Oil Sands, 91 pp.

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Jones, M.L., R.R. Everitt, N.C. Sonntag, M.J. Staley, 1980. Report of a simulation modelling workshop on the Liard Hydroelectric Development, Mackenzie Delta, 99 pp.

Marmorek, D.R., P.J. McNamee, T. Webb, M.L. Jones, M.J. Staley, 1982. A report of an adaptive management workshop on fisheries management in the Algonquin Region. For Ontario Ministry of Natural Resources, 149 pp.

Sonntag, N.C., P. Bunnell, R.R. Everitt, M.J. Staley, P.J. McNamee, 1982. Review and evaluation of the adaptive environmental assessment and management process. For Environment Canada.

Staley, M.J. 1978. An optimization model of British Columbia's Georgia Strait chinook and coho salmon fishery. M.Sc. Thesis, University of British Columbia.

Staley, M.J. and F. Wong. 1980. Development of a within-season fisheries management data and analysis system for the Skeena River sockeye and pink fisheries. Department of Fisheries and Oceans, 80 pp.

Staley, M.J. 1984. Design of a data rich policy and management simulation model of the Pacific salmon and Atlantic cod fisheries sectors of Canada. Statistics Canada.

Walters, C.J., R. Hilborn, M.J. Staley, and F. Wong. 1982. An assessment of major commercial fish and invertebrate stocks on the west coast of Canada; with recommendations for management. Royal Commission on Pacific Fisheries Policy.

Staley, M.J. 1985. A mixed stock salmon fisheries model. For the Planning and Economics Branch, Pacific Region, Dept. of Fisheries and Oceans.

The DPA Group Inc. 1986. Review and Revisions to the Ontario Ministry of the Environment Acid Deposition Model.

The DPA Group Inc. 1986. Simulation models of the Canadian Atlantic and Pacific commercial fisheries. For the Canadian Department of Fisheries and Oceans.

Staley, M.J. and M. Lapointe 1987. A New Skeena River Salmon Management Model. For the Canadian Department of Fisheries and Oceans.

The DPA Group Inc. 1987. Overview of Proposed Co-Management Projects by Native Peoples in British Columbia. For Economic Development Branch Indian and Northern

Affairs Canada Vancouver, B.C.

Staley, M.J. 1988. Rugged hand held computers for field data input and database access. Pilot tested in the Lower Fraser Indian Food Fishery for the Department of Fisheries and Oceans.

Staley, M.J. 1990. Abundance, age, size, sex and coded wire tag recoveries for chinook salmon escapement of the Harrison River, 1984 - 1988. Can. MS Rep. Fish. Aquat. Sci. 2066.

Whelen, M. and M Staley 1991. Quantitative Estimates of Salmon Catch and Effort in the Sto:lo Fisheries during Late Summer, 1990. For Fisheries and Oceans and Indian and Northern Affairs Canada.

E.B Economics 1991. Evaluation of Pacific Region Fishery Management & Resource Allocation. For Fisheries and Oceans Canada.

E.B Economics 1992. Evaluation of the Halibut and Sablefish IVQ Program. For Fisheries and Oceans Canada.

Staley, M.J. 1995. Pacific Salmon Simulation Model; Window's based Graphical User Interface for a long term strategic planning model for Pacific salmon populations and fisheries. Developed for the Department of Fisheries and Oceans.

Staley, M.J. 2007 Fraser River Sockeye 2006 Post Season Review. For the Fraser River Aboriginal Fisheries Secretariat and the Marine Conservation Caucus.