

# **SALMON AQUACULTURE REVIEW**

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**Bibliographic Listings**

**Volume 5**

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Environmental Assessment Office

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## I. INTRODUCTION

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The bibliographic listings in this volume are a result of a literature search conducted in the summer of 1996 by the Environmental Assessment Office of the Province of British Columbia in support of the Salmon Aquaculture Review.

The listings include works that relate specifically to the issues identified in the Review terms of reference, and related issues that were identified as important during the Review process. Submissions made to the Review by stakeholder representatives and interested members of the public are not listed. Not all listed references were accessed by the Review.

Full referencing is provided wherever possible; however, some reference citations may be incomplete or abbreviated.

The following is a listing of the keywords used to conduct the initial search.

### **Aquatic Sciences and Fisheries Abstracts (manual search)**

#### **taxonomic searches** (years: 1980-1987)

*Salmo*

*Salmo salar*

Salmonidae

*Oncorhynchus*

*Oncorhynchus keta*

*Oncorhynchus tshawytscha*

*Oncorhynchus kisutch*

*Oncorhynchus nerka*

*Oncorhynchus gorbuscha*

#### **subject search** (years: 1980-1987)

aquaculture (marine)

fish culture (marine)

anti-fouling

### **Aquatic Sciences and Fisheries Abstracts (on-line search)**

#### **ocean policy, technology, and non-living resources** (years: 1991-current)

salmon and fish farm(s)

#### **aquatic pollution and environmental quality** (years: 1991-current)

salmon and fish farm(s)

#### **biological** (years: 1991-current, [1989], [1990])

salmon and fish farm(s)

salmon and aquaculture

salmon and fish farming

**Biological Abstracts** (years: 1986-03/1996)

salmon and aquaculture  
salmon and environment  
salmon and hatchery  
salmon and (sea) cage  
salmon and netpen (net-pen)  
salmon and seapen (sea-pen)  
salmon and pollution  
salmon and waste  
aquaculture and environment  
aquaculture and pollution

**Waves**

salmon and aquaculture

**Wildlife Review and Fisheries Review** (years: 1980-1995)

salmon and aquaculture  
salmon and cage culture  
salmon and net-pen rearing  
salmon and net-pen culture  
salmon and hatcheries

**Article 1st** (years: 1990-current)

salmon and aquaculture  
fish farm(s)

**Poltoxi** (years: 1981-current)

fish farm(s)  
fish and pollution  
salmon and aquaculture  
waste and aquaculture  
waste and salmon  
salmon and pollution  
salmon and environment  
aquaculture and environment

**Current Contents** (years: 1994-current)

salmon and waste

salmon and aquaculture  
salmon and pollution  
salmon and netpen [net pen]  
salmon and seacage [sea cage]  
salmon and environment  
aquaculture and waste  
aquaculture and pollution  
aquaculture and environment  
fish farm(s)





## II. BRITISH COLUMBIA PROVINCIAL MINISTRY PUBLICATIONS RELEVANT TO THE SALMON AQUACULTURE REVIEW

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Anderson, E. (1992, 1996). *Benthic recovery following salmon farming: Study site selection and initial surveys*. Prepared by Edward Anderson Marine Sciences for Ministry of Environment, Lands and Parks, Water Quality Branch. Victoria, B.C.: Ministry of Environment.

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Black, E.A. (1995). *The effects of escaped cultural fishes* (draft). Proceedings of a Workshop held 17-18 March 1994, Nanaimo, B.C. Victoria, B.C.: Ministry of Agriculture, Fisheries and Food.

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Black, E.A. (1995). *Proceedings of a workshop on the effect of escaped cultured fishes*. Held 17-18 March 1994, Nanaimo, B.C. Victoria, B.C.: Ministry of Agriculture, Fisheries and Food.

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- Coon, L. Michael (1986). *Salmon farming on the Sunshine Coast: A summary of achievements and problems, 1985-1986*. Ministry of Agriculture, Fisheries and Food Information Report No. 8. Victoria, B.C.: Ministry of Agriculture, Fisheries and Food.
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ESSA Environmental and Social Analysts Ltd. and Sea Test Development Inc. (1993). *Review of salmon farming in British Columbia*. Prepared for the Ministry of Agriculture, Fisheries and Food. Victoria, B.C.: Ministry of Agriculture, Fisheries and Food.

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Ricker, K.E., J.W. McDonald, and B. de Lange Boom (1989). *Biophysical suitability of western Johnstone Strait, Queen Charlotte Strait and west coast Vancouver Island regions for salmonid farming in net cages*. Main Report and Appendix. Prepared for the Ministry of Agriculture, Fisheries and Food, Aquaculture and Commercial Fisheries Branch. Victoria, B.C.: Ministry of Agriculture and Fisheries.

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***Plus, see the following regular publications of the Ministry of Agriculture, Fisheries and Food, Aquaculture and Commercial Fisheries Branch.***

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*Practices and problems of salmon farming in British Columbia in 1986: An on-farm survey*. No. 12 (1987).

*Minimizing the effects of plankton blooms on caged culture fish*. No. 13 (1987).

*The Sechelt Inlet water quality program*. No. 14 (1987).

*Predatory control: The how to's*. No. 9-1 (1987).

*The private salmon hatchery industry in British Columbia*. No. 17 (1988).

*Summary of the 1987 salmon farm survey: Final report*. No. 18A (1988).

*Assessment and taxation of aquaculture operations and related benefits*. No. 20 (1988).



*B.C. initiatives to assess and manage the environmental effects of marine fish farming, 1987 and 1988.* No. 24 (1988).

*Aquaculture in British Columbia—Preparing for the 1990s.* No. 3-3 (1989).

*Aquaculture education, training and extension in British Columbia.* No. 26-1 (1989).

*Federal and provincial transplant regulations.* No. 8-1 (1990).

*Measures to ensure safe fish farming in British Columbia.* No. 25-1 (1990).

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*Furunculosis and gyrodactylus in Norway and update on Viral Hemorrhagic Septicemia virus in the Pacific Northwest.* No. 36 (1990).

*B.C. initiatives to assess and manage aquaculture-environment interactions.* No. 31 (1990).

*Guidelines for selecting a fish farming site.* No. 10 (1991).

*Atlantic salmon in the northeast Pacific.* No. 38 (1991).

*Update on the British Columbia commercial freshwater aquaculture industry.* No. 22-1 (1992).

*Economic alternatives for utilization of waste farmed salmon.* No. 30-1.

## **II) Aquaculture Industry Development Reports**

*Impacts of the financial restructuring in the British Columbia salmon farming industry.* No. 90-1.

*The Atlantic Salmon Workshop, Qualicum Beach, British Columbia, March 7-9, 1990.* No. 90-4.

*Freshwater cage culture in Scotland.* No. 90-6.

*The B.C. aquaculture supply and service sector: Critical issues in 1990.* No. 90-7.

*Aquaculture legislation in British Columbia: A comparative legal analysis.* No. 91-1.

*Third British Columbia fish nutrition research seminar: Current issues in salmonid nutrition and feeding.* No. 91-4.

### III. CANADIAN FEDERAL GOVERNMENT PUBLICATIONS RELEVANT TO THE SALMON AQUACULTURE REVIEW

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Amyot, J.P. (1986). *Aquaculture in Canada: backgrounder*. Ottawa: Library of Parliament.

Anonymous (1993). *Chilean salmon aquaculture industry*. Ottawa: Industry, Science and Technology Canada.

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Department of Fisheries and Oceans (1995). *Federal aquaculture development strategy*. Ottawa: Department of Fisheries and Oceans.

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- Department of Fisheries and Oceans (1990). *Current developments in world salmon markets: Implications for the Canadian salmon farming industry*. Department of Fisheries and Oceans, Economic and Commercial Analysis Report No. 46.
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- Department of Fisheries and Oceans (1986). *Plan for a water protection program for the sea off Kuivaniemi (Finland) with reference to fish farming*. Working Group Proposal.
- Department of Fisheries and Oceans (1984). *Development of appropriate aquaculture technology*. In: *Proceedings of the National Aquaculture Conference—Strategies for aquaculture development in Canada*. Held 10 July 1983 St. Andrews, N.B. Canadian Special Publication of Fisheries and Aquatic Sciences No. 75.
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- Department of Fisheries and Oceans, Ministry of Agriculture, Fisheries and Food, and Ministry of Environment, Lands and Parks (1993). *Wild/ farmed salmonid interactions: Review of potential impacts and recommended action*.
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### A. ESCAPED FARM FISH

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