

### **Long-term salmonid research near Cape Race, Newfoundland**

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The Department of Fisheries and Oceans, in collaboration with investigators from Memorial University, is undertaking long-term salmonid research in rivers on the south-eastern part of the Avalon Peninsula, Newfoundland. Management of Atlantic salmon is based on allowing sufficient 'escapement' of adult fish returning to rivers for adequate

deposition of eggs to maximize output of smolts, the juvenile stage migrating to sea. Both biotic and abiotic factors determine relative production and survival between rivers. Competitive effects, and hydrological and climatic factors, cause annual fluctuations, which are presently being analysed.