

NAC(11)6

NAC Annual Report 2010 (Tabled By Canada)

Canada, 2010

Submitted by: Fisheries and Oceans Canada

Date:

1. Summary of Salmonid disease incidences

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2. Summary of breaches of containment of salmonids from net cages

Species (Strain, if applicable)	Number¹	Average size of fish²	Location³	Result⁴	Cause of the breach
Atlantic Salmon (Saint John River)	13,000	2 kg	BMA 1 Western Passage, NB	No recapture attempt	Seal breached net. Predator net removed for sea lice treatment
Atlantic Salmon (Saint John River)	33,000	1 kg	BMA 2B Grand Manan, NB	No recapture attempt	Herring weir stake breached net
Atlantic Salmon (Saint John River)	138,000	151 gram	BMA 2B Grand Manan, NB	No recapture attempt	Net failure, manufacturing flaw. Weather
Arctic charr	15,000	1.25 lbs	Lee Cove, Bay d'Espoir, NL	Recreational fishery used for recapture	Suspected vandalism and ice damage
Arctic charr	55,000	60g	Lee Cove, Bay d'Espoir, NL	Nets deployed but limited by ice	Suspected vandalism and ice damage
Atlantic salmon	100-200	4-5kg	Spoon Cove, Fortune Bay, NL	None	Harvesting spill

Steelhead trout	11,643	1.28kg	Hardy Cove, Bay d'Espoir, NL	Storm timelines made recapture non-productive	Hurricane Igor storm damage
Steelhead trout	20,800	85g	Conne River Wharf to Arran Cove, Bay d'Espoir, NL	None	Net caught on wharf caused undetected tear/hole during towing

Notes:

1. This should be the best estimate possible, though it is recognized that exact numbers may be difficult to obtain.
2. Based on the codes of containment, it was agreed that average size is a more accurate measurement than life stage.
3. The more specific the information the better, however Bay level is considered sufficient.
4. This refers to using recapture methods as detailed in the relevant code of containment and summarizing the results of the recapture attempt.

3. Summary of Salmonid introductions from outside the Commission Area

Species (strain, if applicable)	Number	Life Stage	Origin ¹	Destination ²	Purpose ³
None					

Notes:

1. This would be the province or state for introductions from the west coast; or country for international introductions. It was decided that introductions between Canada and the US that are within the Commission Area (between Maine and NB, for example) would not be included here as those introductions would be captured in other avenues (ICES WGITMO, for example) and because these are not as relevant.
2. The more specific the information the better, however Bay level is considered sufficient.
3. This refers to the intention for the introduction – aquaculture, research, stock enhancement, etc.

4. Summary of Transgenic activities within the Country

AquaBounty, a U.S.-based company with research facilities in PEI, Canada, has developed a genetically engineered Atlantic salmon with enhanced growth and feed conversion characteristics. AquaBounty has submitted a regulatory package to the U.S. Food and Drug Administration (USFDA) to seek food use approval for the GE salmon in the U.S. However, they have **not** submitted notification in Canada under the *Canadian Environmental Protection Act* New Substances Notification Regulations (Organisms). Under Canadian regulations, notification from the company of its intention to commercialize the GE salmon eggs would be required 120 days prior to the commencement of the commercial manufacture of the GE fish or fish eggs in

Canada. An environmental and indirect (i.e. not related to direct consumption) human health risk assessment would then be carried out. DFO would be required to complete the risk assessments and provide a recommendation to Environment Canada for any control measures needed to manage risks. Environment Canada retains authority for regulatory decision-making.