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and
Notice Paper**

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QUESTION

Q-179 — September 22, 2005 — Mr. Cummins (Delta—Richmond East) —

With regard to the regulation of fish farm sites to govern the environmental consequences of fish farms on wild species, parasites, release of drugs, chemicals and toxins in the marine environment and human health:

(a) name the drugs, chemicals and other treatments used on farmed fish or equipment at fish farm sites in Canada;

(b) how are each of these drugs, chemicals and other treatments regulated to protect wild stocks, the marine environment and human health;

(c) what constitutes an emergency when the unlicensed drug, Emamectin Benzoate, is approved for use under emergency release to treat infestations of sea lice in farmed salmon;

(d) how many requests for emergency release have been received, by province, for each of the following years: 2003, 2004 and 2005;

(e) how many requests for emergency release have been approved, by province, for each of the following years: 2003, 2004 and 2005;

(f) what was the quantity of the drug that was approved for use, by province, for each of the following years: 2003, 2004 and 2005;

(g) how many fish were treated by the drug, by province, in each of the following years: 2003, 2004 and 2005;

(h) what are the known side effects of the drug if ingested by shrimp, prawns, and lobsters;

(i) what are the known effects of the drug on humans, for example if salmon that have been directly treated with the drug or shrimp, prawns and lobster that might have been indirectly treated with the drug are ingested by humans;

(j) what are the areas of Canada's coastline that have been exposed to this drug; (k) can Malachite Green be legally used at fish farm sites in Canada's coastal waters, and, if so, what is the approved use;

(l) where do the results of testing and monitoring indicate that Malachite Green has been used, by location and by province, for each of the following years: 2003, 2004 and 2005;

(m) what charges or penalties have been levied against fish farm operators or distributors of Malachite Green where the chemical has been found to have been illegally used;

(n) what actions were taken at farm sites when fish were found to have been exposed to Malachite Green, were the fish destroyed, and, if not, were they sold for human consumption and, if so, what countries were they sold to;

(o) what is Health Canada's position on Malachite Green and human consumption of any fish that might have been exposed to the chemical;

(p) have there been outbreaks of diseases and parasites associated with farmed salmon at farm sites in the marine environment, and, if so, what is the nature and location of the outbreaks of disease and parasites;

(q) have there been outbreaks of disease and parasites associated with Pacific sablefish amongst cultured sablefish;

(r) what is the nature and result of monitoring programs for sea lice in the rivers and marine waters of the Broughton Archipelago and Knight Inlet with regard to infestation levels in general and, in particular, the infection or infestation level on wild pink salmon and chum in each of the following years: 2002, 2003, 2004, and 2005;

(s) what are the specific plans of the Department of Fisheries and Oceans for monitoring pink and chum escapements in the Broughton for the fall of 2005:

- (i) what resources are to be allocated to ensure that the count is as accurate as possible,
- (ii) on the ground how many river/stream walks,
- (iii) how many fly overs and on what systems,
- (iv) what will be the role of the salmon farm industry in the count,
- (v) what methodology will be used, and
- (vi) when will the escapement data for the Broughton system be released;

(t) name the location of operating fish farm sites that have not successfully undergone a complete environmental assessment under the Canadian Environmental Assessment Act, indicating what species of fish are farmed at that site;

(u) name the location of operating fish farm sites that have successfully undergone a complete environmental assessment under the Canadian Environmental Assessment Act, indicating the species and the quantity of fish approved to be farmed at each of these locations;

(v) how many applications for introduction, transplant or transfer of fish or aquatic invertebrates were received in each of the following years: 2003, 2004, and 2005, what were the species, quantity, locations and purpose of the proposed introduction or transplant;

(w) how many applications for introduction, transplant or transfer of fish or aquatic invertebrates were approved in each of the following years: 2003, 2004, and 2005, what were the species, quantity and locations involved; and

(x) what health testing and site inspections were involved in each introduction, transplant or transfer application and approval for 2003, 2004, and 2005?