



CNL(01)66

Request for Scientific Advice from ICES

1. With respect to Atlantic salmon in the North Atlantic area:
 - 1.1 provide an overview of salmon catches and landings, including unreported catches by country and catch and release, and worldwide production of farmed and ranched salmon in 2001;
 - 1.2 report on significant developments which might assist NASCO with the management of salmon stocks;
 - 1.3 provide a compilation of tag releases by country in 2001.

2. With respect to Atlantic salmon in the North-East Atlantic Commission area:
 - 2.1 describe the key events of the 2001 fisheries and the status of the stocks;
 - 2.2 update the evaluation of the effects on stocks and fisheries of significant management measures introduced since 1991;
 - 2.3 further develop the age-specific stock conservation limits where possible based upon individual river stocks;
 - 2.4 provide catch options or alternative management advice with an assessment of risks relative to the objective of exceeding stock conservation limits;
 - 2.5 provide an estimate of by-catch of salmon post-smolts in pelagic fisheries based on the scientific information currently available;
 - 2.6 identify relevant data deficiencies, monitoring needs and research requirements.

3. With respect to Atlantic salmon in the North American Commission area:
 - 3.1 describe the key events of the 2001 fisheries and the status of the stocks;
 - 3.2 update the evaluation of the effects on US and Canadian stocks and fisheries of management measures implemented after 1991 in the Canadian commercial salmon fisheries;
 - 3.3 update age-specific stock conservation limits based on new information as available;
 - 3.4 characterise the reliability of input data used to estimate the lagged spawner variable, with special emphasis on the Labrador region, and evaluate sensitivity of resulting pre-fishery abundance estimates;

- 3.5 provide catch options or alternative management advice with an assessment of risks relative to the objective of exceeding stock conservation limits;
 - 3.6 identify relevant data deficiencies, monitoring needs and research requirements.
4. With respect to Atlantic salmon in the West Greenland Commission area:
- 4.1 describe the events of the 2001 fisheries and the status of the stocks;
 - 4.2 update the evaluation of the effects on European and North American stocks of the Greenlandic quota management measures and compensation arrangements since 1993;
 - 4.3 characterise the historical and current temporal and spatial distribution and relative abundance of North American and European Atlantic salmon and, where possible, smaller stock groups, in fisheries at West Greenland;
 - 4.4 provide catch options or alternative management advice with an assessment of risk relative to the objective of exceeding stock conservation limits;
 - 4.5 provide a detailed explanation and critical examination of any changes to the model used to provide catch advice and of the impacts of any changes to the model on the calculated quota;
 - 4.6 evaluate the ad hoc management programme and advise on an appropriate management system for the fishery in future years, taking account of the stocks of both North American and European origin;
 - 4.7 identify relevant data deficiencies, monitoring needs and research requirements.

Notes:

1. *In the responses to questions 2.1, 3.1 and 4.1 ICES is asked to provide details of catch, gear, effort, composition and origin of the catch and rates of exploitation. For homewater fisheries, the information provided should indicate the location of the catch in the following categories: in-river; estuarine; and coastal. Any new information on non-catch fishing mortality, of the salmon gear used, and on the by-catch of other species in salmon gear, and of salmon in any new fisheries for other species is also requested.*
2. *In response to question 2.4 advise on potential biases in the catch advice resulting from the inclusion of fish farm escapes in the assessment models.*
3. *In response to question 4.1, ICES is requested to provide a brief summary of the status of North American and North-East Atlantic salmon stocks. The detailed information on the status of these stocks should be provided in response to questions 2.1 and 3.1.*
4. *With regard to question 4.5, "changes to the model" would include the development of any new model.*