

## CNL(03)12

### *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 Atlantic salmon in 2003;
  - 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 2003;
  - 1.4 identify relevant data deficiencies, monitoring needs and research requirements taking into account NASCO's International Atlantic Salmon Research Board's inventory of on-going research relating to salmon mortality in the sea.
  
2. With respect to Atlantic salmon in the North-East Atlantic Commission area:
  - 2.1 describe the key events of the 2003 fisheries and the status of the stocks;<sup>1</sup>
  - 2.2 evaluate the extent to which the objectives of any significant management measures introduced in recent years have been achieved;
  - 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, if possible based on forecasts of PFA for northern and southern stocks, with an assessment of risks relative to the objective of exceeding stock conservation limits and advise on the implications of these options for stock rebuilding;<sup>3</sup>
  - 2.5 provide estimates of by-catch of salmon in pelagic fisheries and advise on their reliability.
  
3. With respect to Atlantic salmon in the North American Commission area:
  - 3.1 describe the key events of the 2003 fisheries and the status of the stocks;<sup>1</sup>
  - 3.2 evaluate the extent to which the objectives of any significant management measures introduced in recent years have been achieved;
  - 3.3 update age-specific stock conservation limits based on new information as available;

- 3.4 provide catch options or alternative management advice with an assessment of risks relative to the objective of exceeding stock conservation limits and advise on the implications of these options for stock rebuilding;<sup>3</sup>
  - 3.5 provide an analysis of any new biological and/or tag return data to identify the origin and biological characteristics of Atlantic salmon caught at St Pierre and Miquelon;
  - 3.6 provide descriptions (gear type; and fishing depth, location and season) for all pelagic fisheries that may catch Atlantic salmon.
4. With respect to Atlantic salmon in the West Greenland Commission area:
- 4.1 describe the events of the 2003 fisheries and the status of the stocks;<sup>1,2</sup>
  - 4.2 evaluate the extent to which the objectives of any significant management measures introduced in recent years have been achieved;
  - 4.3 provide information on the origin of Atlantic salmon caught at West Greenland at a finer resolution than continent of origin (river stocks, country or stock complexes);
  - 4.4 provide catch options or alternative management advice with an assessment of risk relative to the objective of exceeding stock conservation limits and advise on the implications of these options for stock rebuilding.<sup>3</sup>

**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 existing and new fisheries for other species is also requested.*
2. *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.*
3. *In response to questions 2.4, 3.4 and 4.4 provide a detailed explanation and critical examination of any changes to the models used to provide catch advice. With respect to stock rebuilding, consider and evaluate various alternative baseline measures for use in risk analysis.*