

CNL(14)10

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 by country, including unreported catches and catch and release, and production of farmed and ranched Atlantic salmon in 2014¹;
 - 1.2 report on significant new or emerging threats to, or opportunities for, salmon conservation and management²;
 - 1.3 provide a review of examples of successes and failures in wild salmon restoration and rehabilitation and develop a classification of activities which could be recommended under various conditions or threats to the persistence of populations³;
 - 1.4 provide a compilation of tag releases by country in 2014; and
 - 1.5 identify relevant data deficiencies, monitoring needs and research requirements.

- 2. With respect to Atlantic salmon in the North-East Atlantic Commission area:**
 - 2.1 describe the key events of the 2014 fisheries⁴;
 - 2.2 review and report on the development of age-specific stock conservation limits;
 - 2.3 describe the status of the stocks;
 - 2.4 provide catch options or alternative management advice for 2015/16-2017/18 fishing seasons, with an assessment of risks relative to the objective of exceeding stock conservation limits, or pre-defined NASCO Management Objectives, and advise on the implications of these options for stock rebuilding⁵;
 - 2.5 advise on options for taking into account the recent genetic analysis that suggests there was a significant contribution of North American origin stocks to historic mixed-stock fisheries in Faroese waters for the provision of catch advice⁶;
 - 2.6 update the Framework of Indicators used to identify any significant change in the previously provided multi-annual management advice; and
 - 2.7 advise on what data would enhance the development of the catch options.

- 3. With respect to Atlantic salmon in the North American Commission area:**
 - 3.1 describe the key events of the 2014 fisheries (including the fishery at St Pierre and Miquelon)⁴;
 - 3.2 update age-specific stock conservation limits based on new information as available;
 - 3.3 describe the status of the stocks;
 - 3.4 provide catch options or alternative management advice for 2015-2018 with an assessment of risks relative to the objective of exceeding stock conservation limits, or pre-defined NASCO Management Objectives, and advise on the implications of these options for stock rebuilding⁵;
 - 3.5 update the Framework of Indicators used to identify any significant change in the previously provided multi-annual management advice;
 - 3.6 considering the available contemporary data on stock origin of salmon in the Labrador fisheries, estimate the catches by stock origin and describe their spatial and temporal distribution; and

3.7 considering the available contemporary data on stock origin of salmon in the Saint-Pierre et Miquelon fishery, estimate the catches by stock origin and describe their spatial and temporal distribution.

4. With respect to Atlantic salmon in the West Greenland Commission area:

4.1 describe the key events of the 2014 fisheries⁴;

4.2 describe the status of the stocks⁷,

4.3 provide catch options or alternative management advice for 2015-2017 with an assessment of risk relative to the objective of exceeding stock conservation limits, or pre-defined NASCO Management Objectives, and advise on the implications of these options for stock rebuilding⁵;

4.4 update the Framework of Indicators used to identify any significant change in the previously provided multi-annual management advice; and

4.5 considering the available contemporary data on stock origin of salmon in the West Greenland fishery, estimate the catches by stock origin and describe their spatial and temporal distribution.

Notes:

1. *With regard to question 1.1, for the estimates of unreported catch the information provided should, where possible, indicate the location of the unreported catch in the following categories: in-river; estuarine; and coastal. Numbers of salmon caught and released in recreational fisheries should be provided.*

2. *With regard to question 1.2, ICES is requested to include reports on any significant advances in understanding of the biology of Atlantic salmon that is pertinent to NASCO, including information on any new research into the migration and distribution of salmon at sea and the potential implications of climate change for salmon management.*

3. *With regards to question 1.3, NASCO is particularly interested in case studies highlighting successes and failures of various restoration efforts employed across the North Atlantic by all Parties/jurisdictions and the metrics used for evaluating success or failure.*

4. *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. Information on any other sources of fishing mortality for salmon is also requested.*

5. *In response to questions 2.4, 3.4 and 4.3, provide a detailed explanation and critical examination of any changes to the models used to provide catch advice and report on any developments in relation to incorporating environmental variables in these models.*

6. *In response to question 2.5, this should include consideration of the implications of the new genetic results with regard to the factors previously identified by ICES as requiring management decisions for the finalization of the risk framework for the provision of catch advice for the Faroes fishery (i.e. annual or seasonal catch advice, sharing arrangement, choice of management units to consider and specified management objectives).*

7. *In response to question 4.2, 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 2.3 and 3.3.*

Attendees:

Elena Samoylova (NEAC, manager representative)
Peder Fiske (NEAC, scientist representative)

Tony Blanchard (NAC, manager representative)
Tim Sheehan, Chairman (NAC, scientist representative)

Katrine Kaergaard (WGC, manager representative)
Ted Potter (WGC, scientist representative)

Ian Russell (ICES representative, Observer)

New questions, originator:

- 2.5, NEAC
- 2.7, EU
- 3.6, USA
- 3.7, USA
- 4.5, USA