

Presentation of the ICES Advice on Atlantic Salmon at West Greenland to  
the West Greenland Commission  
WGC(22)13



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# Atlantic Salmon in the West Greenland Commission Area in 2021



Photo by Tim Sheehan

# ICES advice letter to NASCO 2022



The ICES advice for North Atlantic Salmon Stocks is published today, May 6<sup>th</sup> 2022 in response to the advice requested by NASCO in the CNL(21)14 *Request for Scientific Advice from ICES*. The advice is based on the full ICES assessments that were conducted in 2021. The assessments are outlined in the [Working Group on North Atlantic Salmon 2021 report] along with the Frameworks of Indicators (which were provided in 2021 for use in 2022 and 2023). ICES states that the advice provided in 2022 conforms to the 10 principles that govern ICES advice, which include that the advice is based on the best available science and conforms to our data quality. The advice is suitable and a valid source of information for management actions scheduled in the relevant NASCO Salmon Commission areas.

In response to the crisis in Europe, ICES suspended all meetings in March 2022, including WGNAS. As a result, the WGNAS was not able to respond fully to the 2022 Terms of Reference. While the WGNAS was not able to reschedule their annual meeting, group members met by correspondence in April to discuss existing data, the advice published in 2021, and quality assurance issues, to evaluate recommendations for advice for the North Atlantic Salmon Stocks for the years outlined in the NASCO recurrent advice request. The 2022 WGNAS report will be updated mid-May with sections specifying the process evaluating the re-issued advice. The requests for advice on Atlantic salmon in the East Greenland area and the provision of an update on the distribution and abundance of pink salmon across the North Atlantic should be released in early September 2022, including underpinning report materials.

ICES has been in dialogue with the NASCO Secretariat about the suspension of meetings in March, and also the ramifications of that decision. ICES appreciates the useful and constructive feedback throughout this process from NASCO.

# Terms of Reference



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

- 4.1 describe the key events of the 2021 fisheries;
- 4.2 describe the status of the stocks;
- 4.3 provide catch options or alternative management advice for 2022-2024 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 rebuilding<sup>4</sup>; and
- 4.4 update the Framework of Indicators used to identify any significant change in the previously provided multi-annual management advice.

## 4.3 Catch options or alternative management advice for 2022 – 2023

- No catch options
- No probabilities (close to 0) that the returns of 2SW salmon to the six regions of NAC or MSW to S NEAC will meet or exceed the objectives for these areas simultaneously

	Probability of meeting or exceeding region-specific management objectives							Simultaneous
	Labrador	Newfoundland and	Québec	Gulf	Scotia-Fundy	US	Southern NEAC	
<b>2022 Catch options</b>								
0	0.73	0.44	0.47	0.9	0.03	0.15	0.83	0.006
10	0.72	0.42	0.44	0.88	0.03	0.15	0.82	0.006
20	0.7	0.4	0.42	0.87	0.03	0.15	0.82	0.005
30	0.68	0.39	0.4	0.86	0.03	0.14	0.81	0.004
40	0.67	0.37	0.38	0.85	0.03	0.14	0.81	0.004
50	0.65	0.35	0.37	0.83	0.03	0.13	0.81	0.004
60	0.63	0.34	0.35	0.82	0.03	0.13	0.8	0.004
70	0.62	0.32	0.33	0.8	0.02	0.12	0.8	0.004
80	0.6	0.31	0.31	0.78	0.02	0.12	0.79	0.004
90	0.58	0.29	0.3	0.76	0.02	0.12	0.79	0.004
100	0.57	0.28	0.28	0.74	0.02	0.11	0.78	0.004
<b>2023 Catch options</b>								
0	0.67	0.3	0.46	0.83	0.03	0.23	0.75	0.005
10	0.66	0.28	0.44	0.82	0.03	0.22	0.74	0.005
20	0.64	0.27	0.43	0.8	0.03	0.22	0.74	0.005
30	0.63	0.26	0.41	0.79	0.03	0.21	0.74	0.005
40	0.61	0.25	0.39	0.77	0.03	0.21	0.73	0.005
50	0.6	0.24	0.37	0.76	0.02	0.2	0.73	0.004
60	0.58	0.23	0.35	0.73	0.02	0.19	0.72	0.004
70	0.56	0.22	0.34	0.72	0.02	0.19	0.72	0.004
80	0.55	0.2	0.32	0.7	0.02	0.18	0.71	0.004
90	0.53	0.19	0.3	0.69	0.02	0.18	0.71	0.004
100	0.51	0.18	0.29	0.67	0.02	0.17	0.7	0.003

Table 7: sal.wgc.all

# Acknowledgements



- All scientist and technicians who gathered data for WGNAS reporting
- All colleagues at WGNAS, ICES Secretariat, and ICES Salmon RG/ADG