



Atlantic States Marine Fisheries Commission

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MEMORANDUM

TO: Shad and River Herring Management Board

FROM: Shad and River Herring Advisory Panel

DATE: October 15, 2024

SUBJECT: Advisory Panel Review of 2024 River Herring Benchmark Assessment

The Shad and River Herring Advisory Panel (AP) met via conference call and webinar on Monday, October 7th, 2024 to review the results of the 2024 River Herring Benchmark Assessment.

AP Members in attendance: Pam Lyons Gromen (Chair), Byron Young (NY), Edward Hale (DE), Bill Lucey (CT), Deb Wilson (ME), Jerry Audet (MA), Mike Thalhauser (ME), Ray Brown (NC), Steve Gephard (CT), Thomas Rowe (SC)

ASMFC Staff: James Boyle, Katie Drew

Other: Margaret Conroy (SAS Chair), Matthew Jargowsky, Kevin Job, Jason Boucher, Emily Bodell, Jamie Cournane, Roger Fleming, Jaclyn Higgins

Margaret Conroy presented an overview of the 2024 River Herring Benchmark Stock Assessment, including a description of methods and results for each system. The presentation highlighted the newly incorporated regional stock structures and habitat model.

AP Discussion

Overall, AP members were concerned that river herring populations are not recovering despite the actions taken through Amendment 2 that resulted in the closure of most state fisheries. Individual AP members provided several comments related to the assessment. First, Ray Brown expressed concern with the idea of increasing harvest for either species given the results of the assessment.

Steve Gephard wanted it noted for management and the public that the 2009 reference year represents a greatly depleted stock and comparisons to 2009 do not fully convey the losses that the stock has had over the full time series. Additionally, expressed concern that recent bycatch values are artificially low due to the lack of observer coverage and that the assessment does not adequately incorporate the Area 1a Atlantic herring spawning closures into its evaluation of the relatively positive trends seen in northern New England. He would recommend that the Commission draft a comment letter in support of time/area closures in Atlantic Herring Amendment 10 by the New England Fishery Management Council.

Jerry Audet noted that the lack of a significant positive trend coastwide since the moratorium in 2009 represents an emergency. Furthermore, he sought direction from the assessment data on the most critical areas of immediate concern to direct management efforts. It is unclear whether in-river or at-sea issues represent the most immediate threat to restoration.

Bill Lucey, through comments during and after the meeting, indicated support for exploring catch caps that are more responsive to existing river herring stock conditions by genetic sub-regions as defined by Reid et al. (2018), while also formulating time area closures based on bycatch probability such as those developed by Roberts et al. (2023). Furthermore, he advocated for the time-area closures to be more clearly defined than the rolling hotspot method but could incorporate information from that previous management effort. Finally, he emphasized that there should be a rapidly growing focus on funding in-river monitoring efforts along with any other herring specific surveys (e.g. acoustics, tagging) to look at population level responses to reduced Atlantic herring and mackerel effort and evaluate fishing mortality through at-sea interception, or lack thereof due to reduced fishing effort.

Mike Thalhauser expressed concern that the assessment is not able to evaluate the stocks at small enough scales for suitable management and wishes for managers to adapt to considering individual river stocks and fisheries rather than coastwide trends.

Ed Hale emphasized the need for increased observer coverage to evaluate at-sea bycatch and for states to utilize a consistent method for ageing samples. Additionally, he spoke in support for recreational personal use harvest in state Sustainable Fishery Management Plans (SFMPs).

Paul Perra (MA) was unable to attend the meeting but sent comments in ahead of time to call for coastal buffer zones in the Atlantic herring and mackerel fisheries to reduce river herring bycatch and to express support for the research recommendations in the assessment to improve restoration efforts.

In addition to discussing the assessment, several AP members expressed disappointment with the frequency of AP meetings and requested that the AP meet more regularly to be more involved and effective as an advisory body. The last AP meeting was held after the most recent American shad assessment in January 2021.

Finally, the AP requested to convene for another meeting to further discuss recommendations and draft consensus statements for management in response to the assessment.