Stock Assessment Report Template

FIRST LAST[1]

1. NOAA Fisheries, ADDRESS, CITY, POSTAL CODE

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service

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Acronyms

ABC acceptable biological catch. 5

NWFSC Northwest Fisheries Science Center. 5

Disclaimer

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[AUTHOR NAME]. [YEAR]. Stock Assessment Report Template. National Marine Fisheries Service, [CITY], [STATE]. 21 pp.

1 Executive Summary

1.1 Assessment Model

1.2 Reference Points, Stock Status, and Projections

acceptable biological catch (ABC) Northwest Fisheries Science Center (NWFSC)

2 Introduction

Testing adding in an introduction for species. There is currently no read of parameters for child documents.

2.1 Stock ID

2.2 Management History

2.3 Fishery Descriptions

2.4 Ecosystem Considerations

Ecosystem considerations and/or climate indicators were not included in this assessment.

3 Data

3.1 Life History

3.2 Catch

3.3 Indices and Standardization

3.4 Composition Data

3.5 Absolute Abundance

3.6 Environmental/Ecosystem Indicator Data

4 Assessment

4.1 Current Modeling Approach

4.2 Configuration of the Base Model

4.3 Bridging

4.4 Modeling Results

4.4.1 Parameter Estimates

4.4.2 Time Series

4.4.3 Model Fits

4.4.4 Model Diagnostics

4.5 Sensitivity Analyses

4.6 Management Benchmarks

4.7 Projections

5 Discussion

6 Acknowledgements

This document was produced using the R package asar (Schiano et al. 2025), which is free to use and publicly available on GitHub.

7 References

Schiano, S., Breitbart, S., and Saul, S. 2025. Asar: Build NOAA stock assessment report. Available from https://github.com/nmfs-ost/asar.

8 Tables

Table 1: This is my cool caption for a gt table.

label	year	estimate	fleet
landings_observed_weight	NA	0	North
landings_predicted_weight	NA	0	North
landings_observed_weight	1876	0	North
landings_predicted_weight	1876	0	North
landings_observed_weight	1877	0	North
landings_predicted_weight	1877	0	North

Table 2: This is my cool caption for a kable table.

label	year	estimate	fleet
landings_observed_weight	NA	0	North
landings_predicted_weight	NA	0	North
landings_observed_weight	1876	0	North
landings_predicted_weight	1876	0	North
landings_observed_weight	1877	0	North
landings_predicted_weight	1877	0	North

Table 3: This is my cool caption for a kbl table.

label	year	estimate	fleet
landings_observed_weight	NA	0	North
landings_predicted_weight	NA	0	North
landings_observed_weight	1876	0	North
landings_predicted_weight	1876	0	North
landings_observed_weight	1877	0	North
landings_predicted_weight	1877	0	North

9 Figures

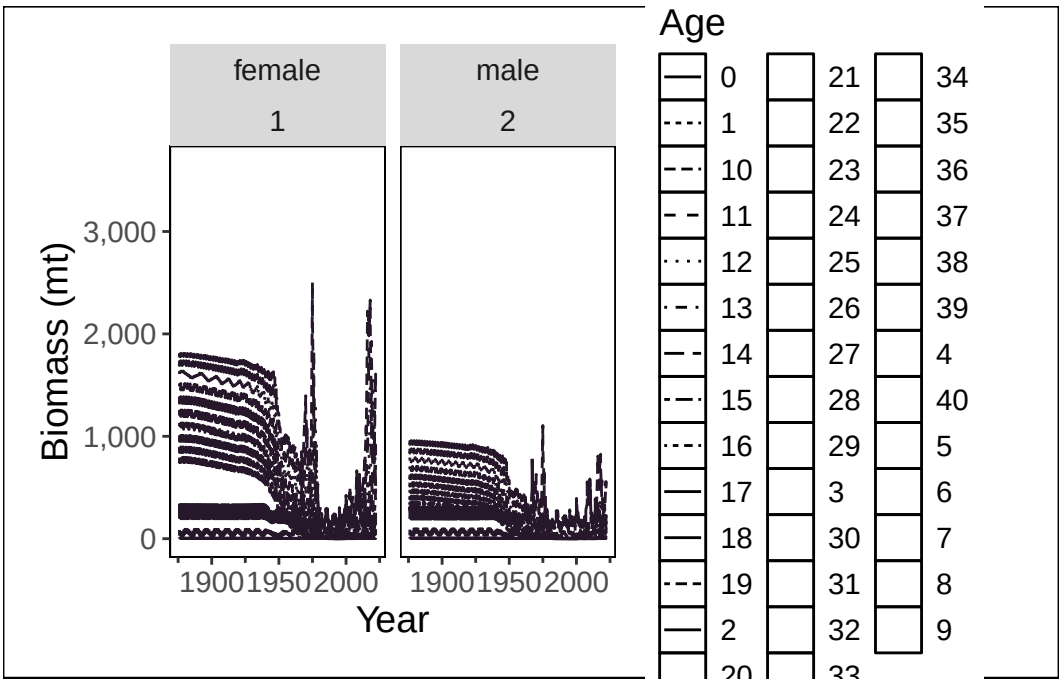

Figure 1: Biomass (B) time series. The horizontal dashed line represents the limit reference point (msy mt).

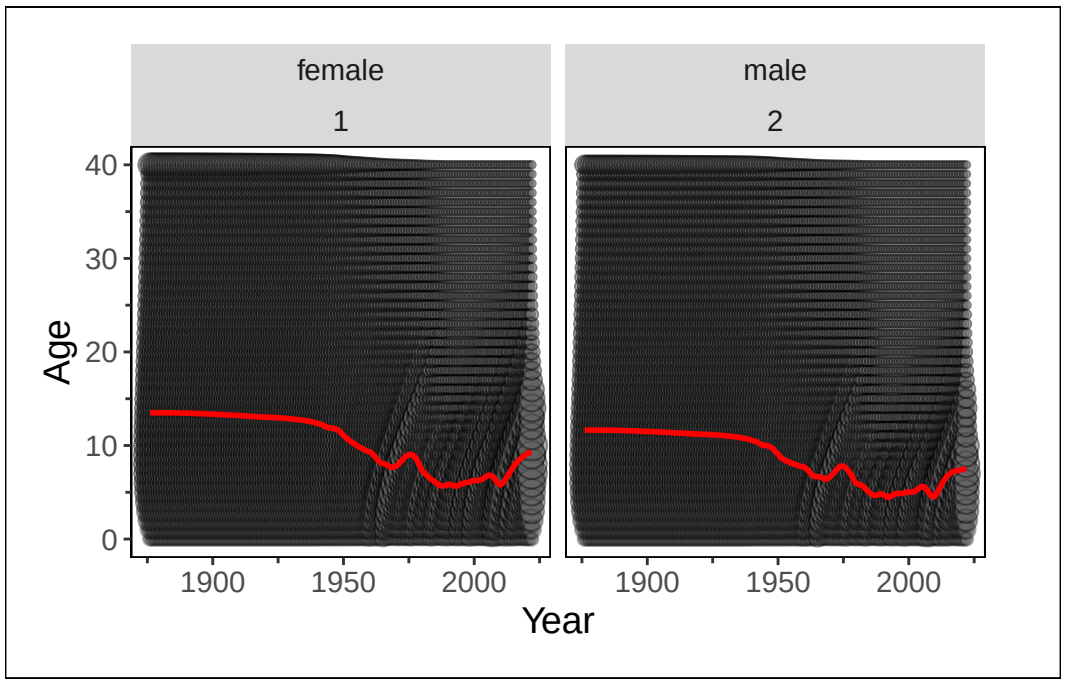

Figure 2: Model-estimated population numbers at age and population biomass at age over time. The relative size of each bubble for a given year and age indicates the relative abundance or biomass in that category compared with others.

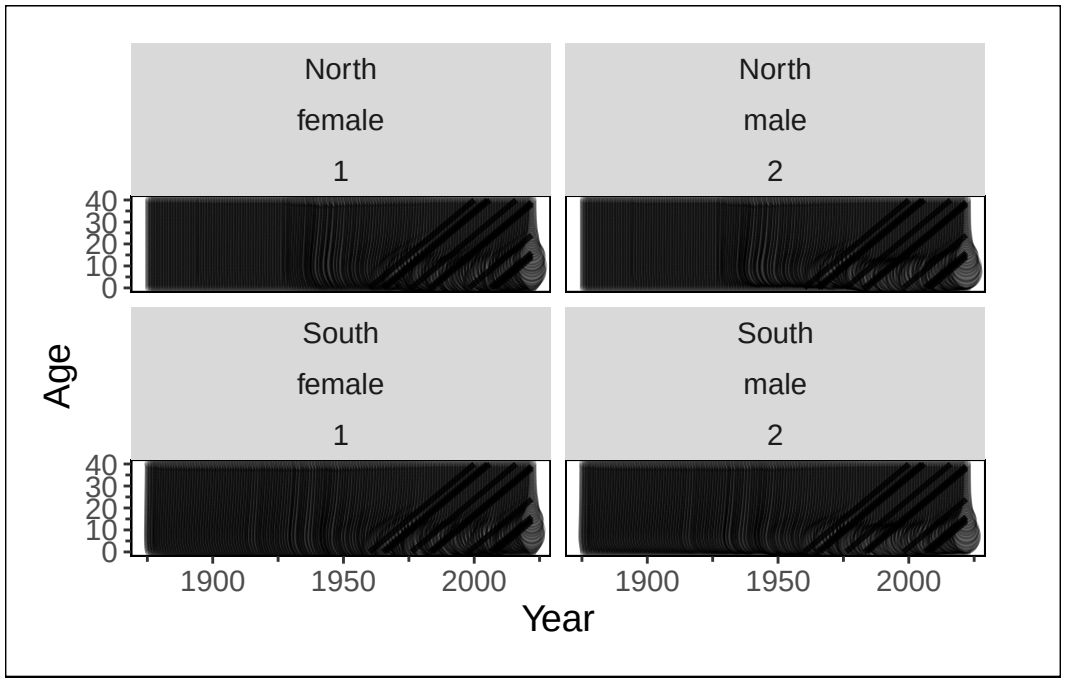

Figure 3: Fishery age composition (1874-2034). The area of the circle is proportional to the catch. Diagonal lines indicated the top 5% strongest year classes.

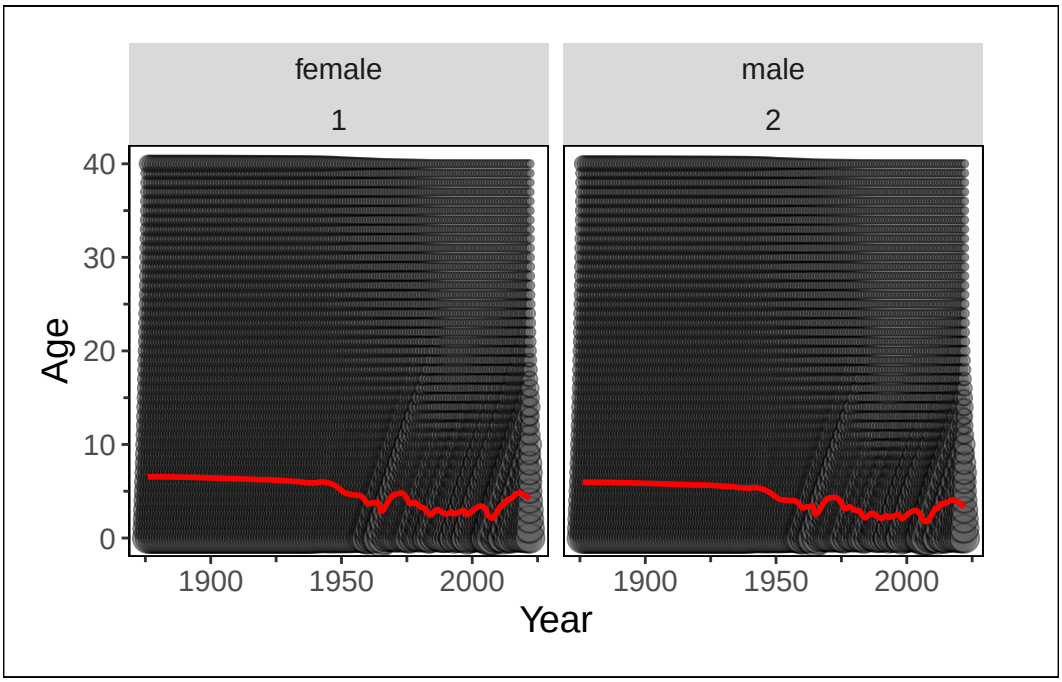

Figure 4: Model estimate of population numbers at age over time. The relative size of each bubble for a given year and age indicates the relative abundance in that category compared with others.

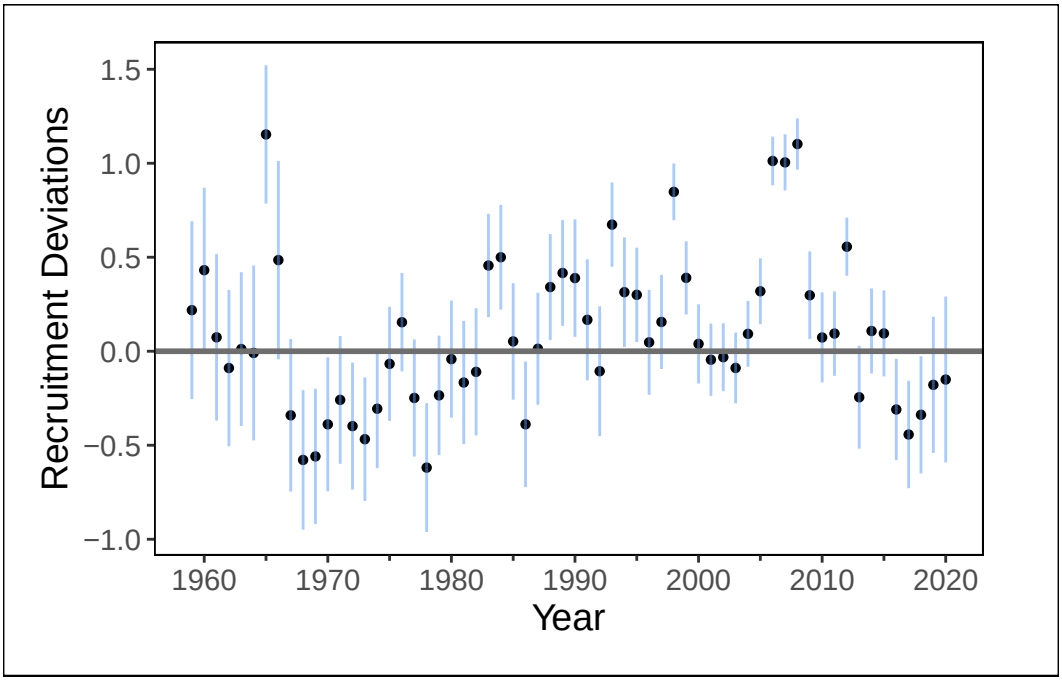

Figure 5: Annual deviations (on natural log scale) in the number of newly recruited fish the model estimates each year.

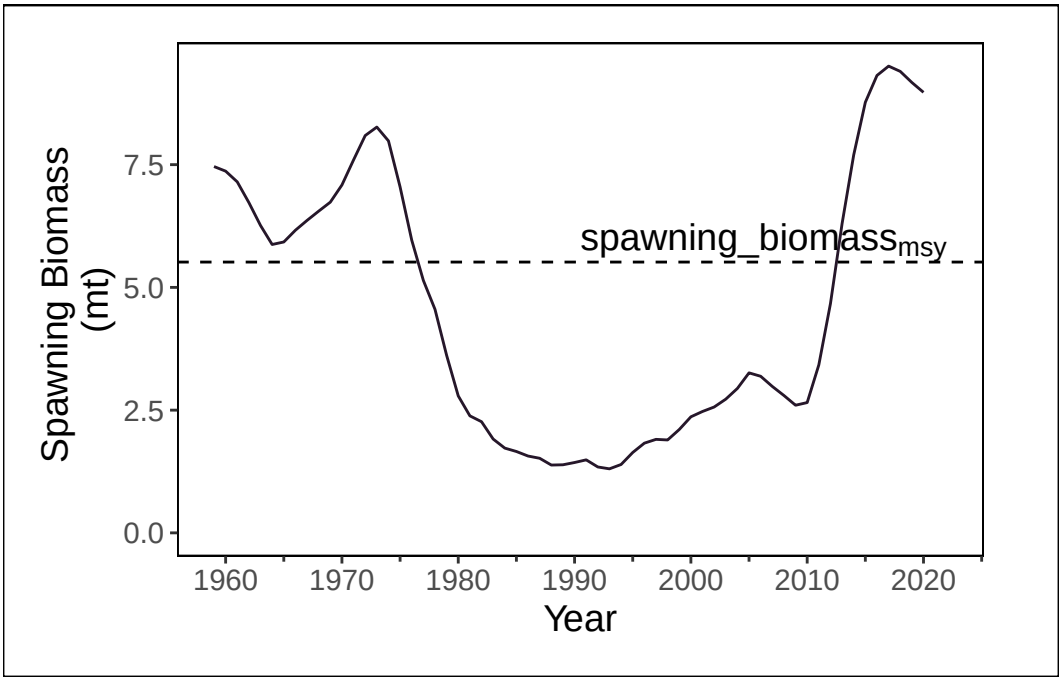

Figure 6: Model-estimated spawning stock biomass (SSB) time series. The horizontal dashed line represents the spawning stock biomass associated with the biomass limit reference point (msy mt).

A Appendices

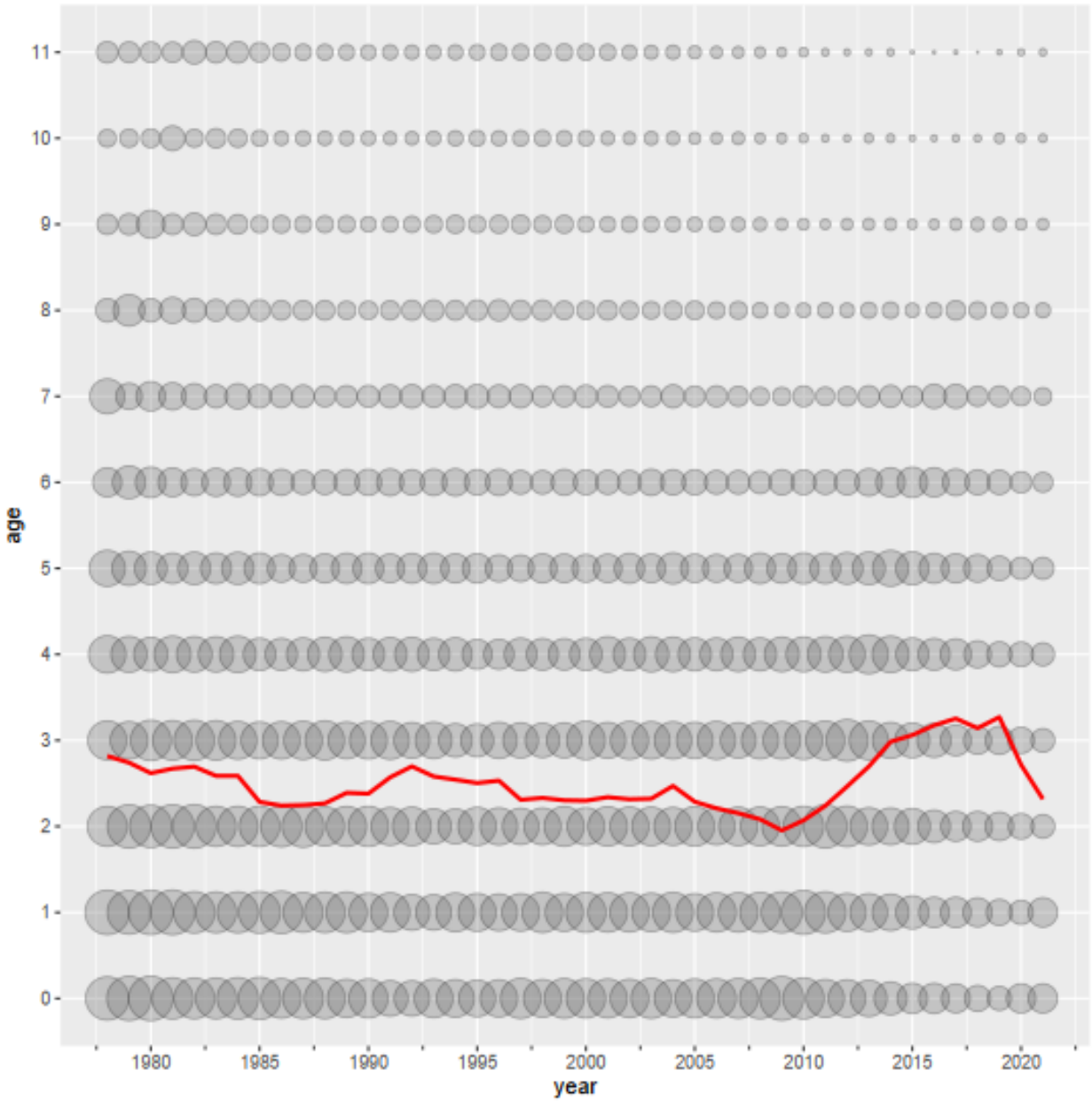

Figure 7: External image that already has a png extension