

# Stock Assessment Report Template

FIRST LAST<sup>1</sup>

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

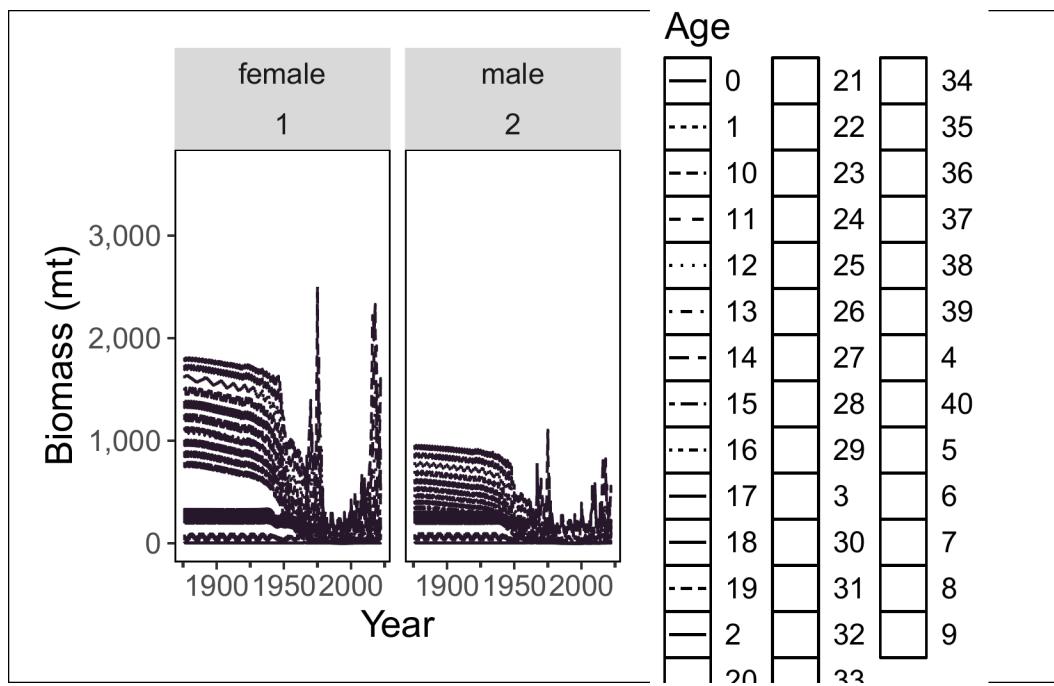


Figure 1: Biomass (B) time series. The horizontal dashed line represents the limit reference point (msy mt).

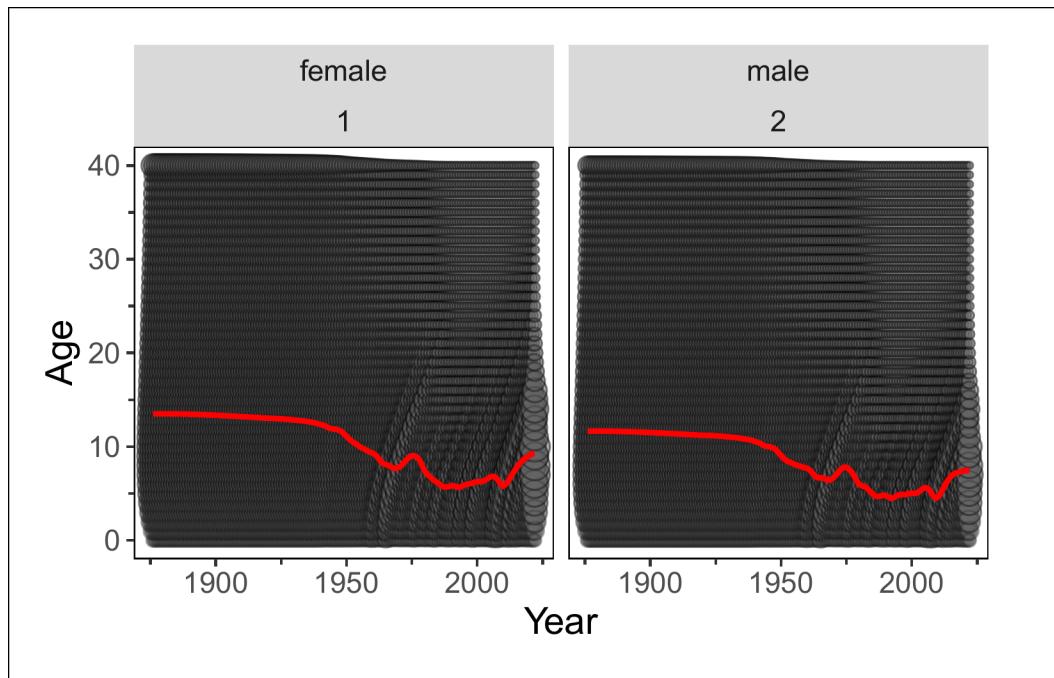


Figure 2: Model-estimated population numbers at age and population biomass at age over time. The relative size of each bubble for a given year and age indicates the relative abundance or biomass in that category compared with others.

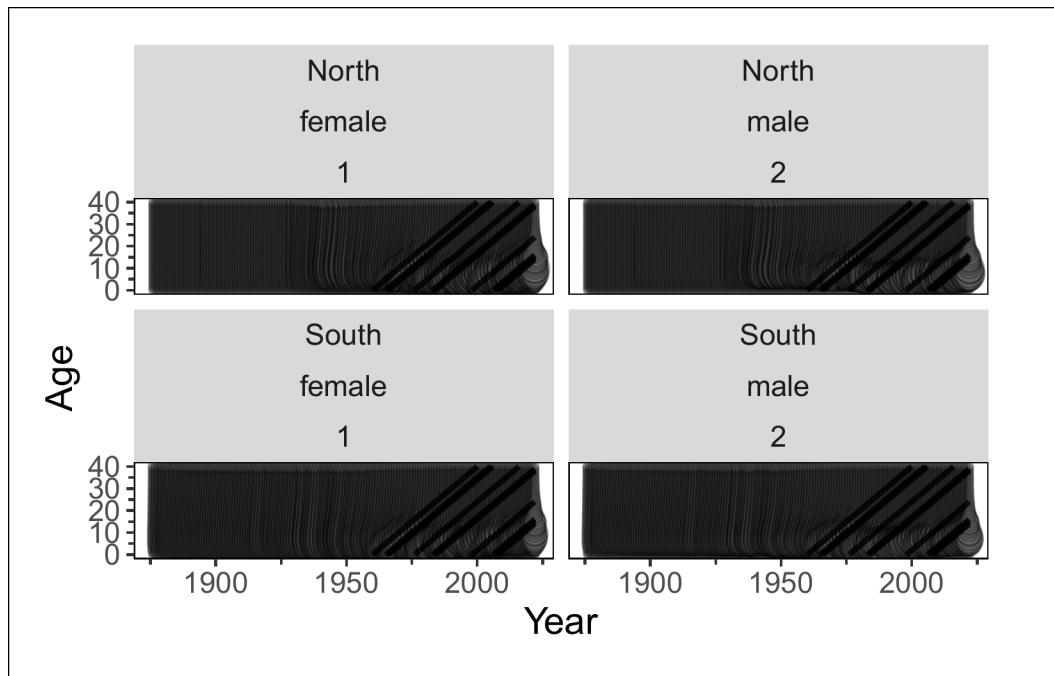


Figure 3: Fishery age composition (1874-2034). The area of the circle is proportional to the catch. Diagonal lines indicated the top 5% strongest year classes.

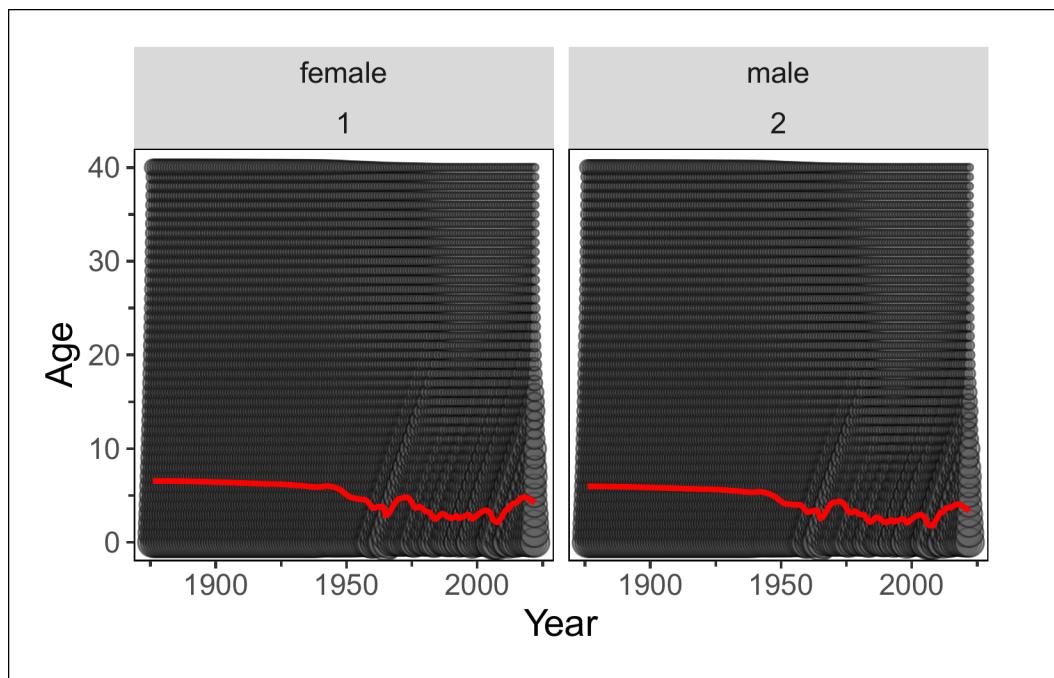


Figure 4: Model estimate of population numbers at age over time. The relative size of each bubble for a given year and age indicates the relative abundance in that category compared with others.

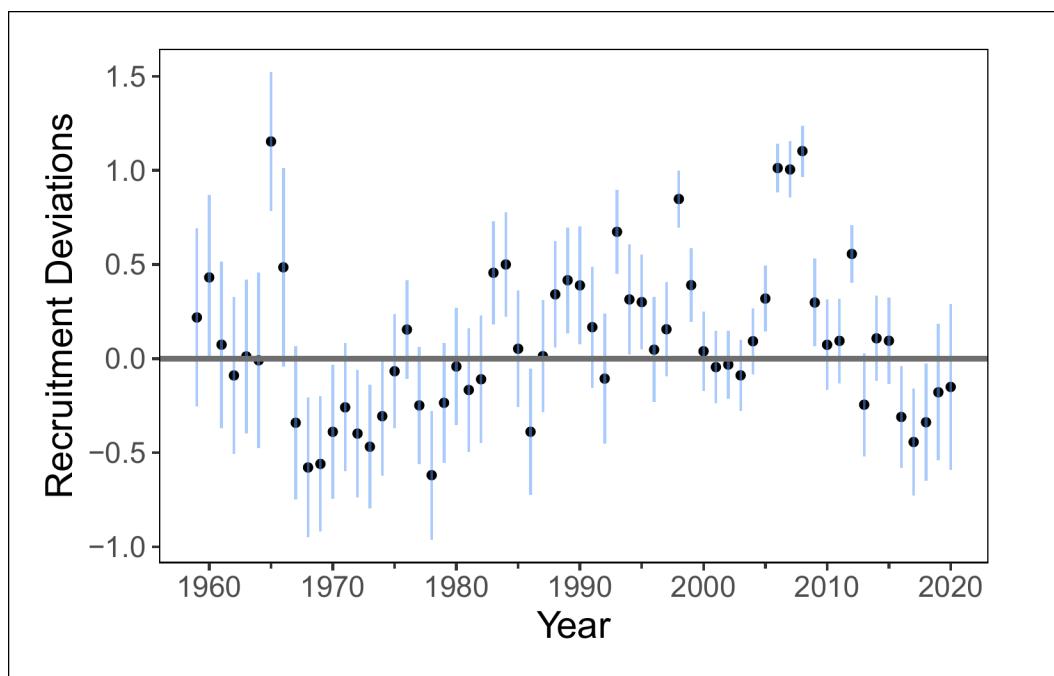


Figure 5: Annual deviations (on natural log scale) in the number of newly recruited fish the model estimates each year.

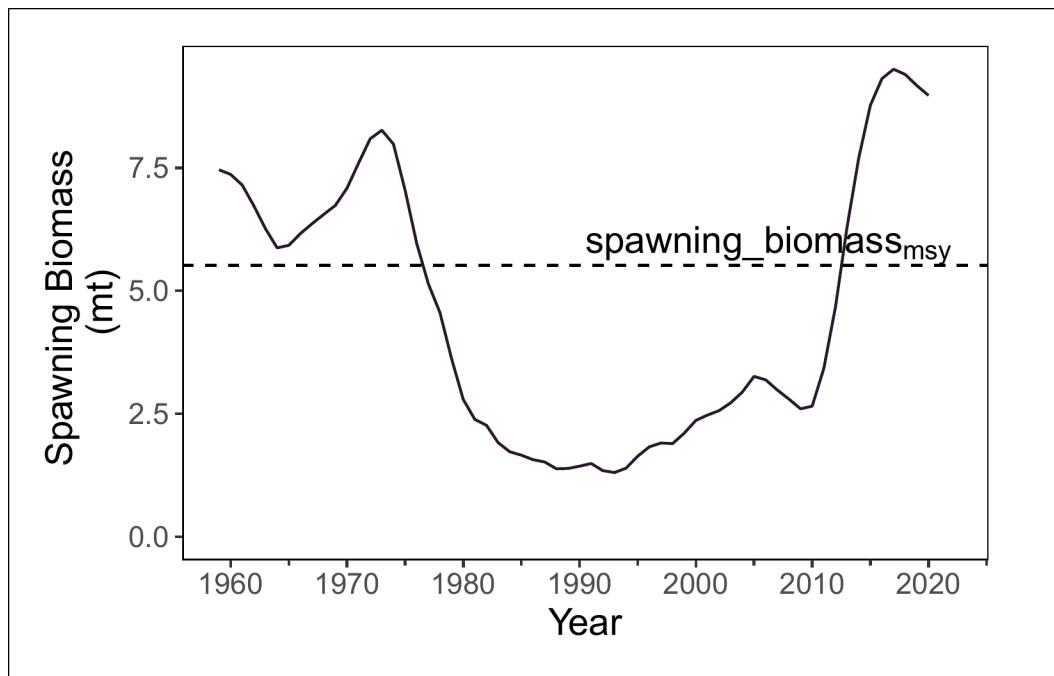


Figure 6: Model-estimated spawning stock biomass (SSB) time series. The horizontal dashed line represents the spawning stock biomass associated with the biomass limit reference point (msy mt).

## A Appendices

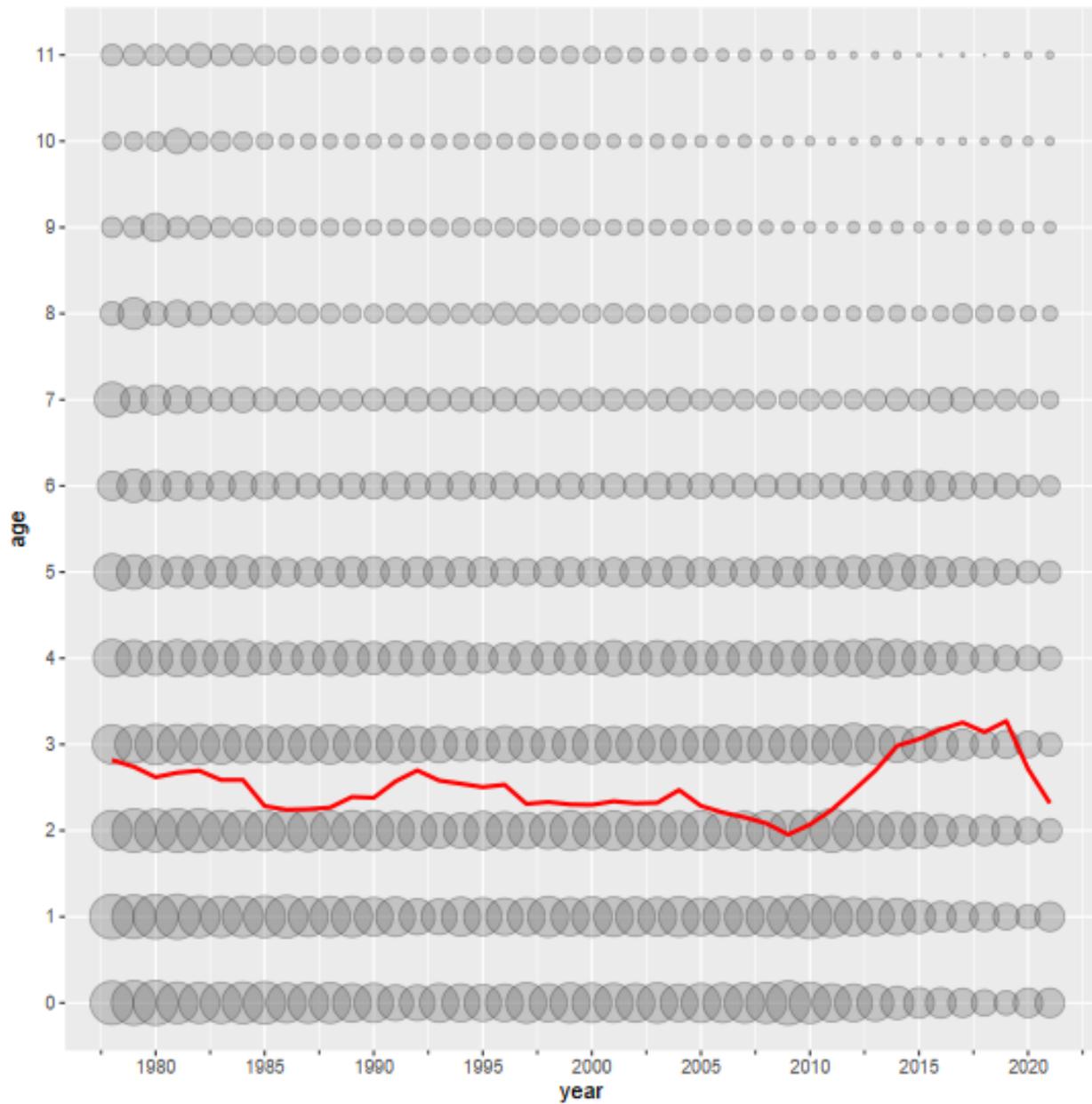


Figure 7: External image that already has a png extension