

# 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

## Table of contents

<b>1. Executive Summary</b>	<b>6</b>
1.1. Assessment Model . . . . .	6
1.2. Reference Points, Stock Status, and Projections . . . . .	6
<b>2. Introduction</b>	<b>7</b>
2.1. Stock ID . . . . .	7
2.2. Management History . . . . .	7
2.3. Fishery Descriptions . . . . .	7
2.4. Ecosystem Considerations . . . . .	7
<b>3. Data</b>	<b>8</b>
3.1. Life History . . . . .	8
3.2. Catch . . . . .	8
3.3. Indices and Standardization . . . . .	8
3.4. Composition Data . . . . .	8
3.5. Absolute Abundance . . . . .	8
3.6. Environmental/Ecosystem Indicator Data . . . . .	8
<b>4. Assessment</b>	<b>9</b>
4.1. Current Modeling Approach . . . . .	9
4.2. Configuration of the Base Model . . . . .	9
4.3. Bridging . . . . .	9
4.4. Modeling Results . . . . .	10
4.4.1. Parameter Estimates . . . . .	10
4.4.2. Time Series . . . . .	10
4.4.3. Model Fits . . . . .	10
4.4.4. Model Diagnostics . . . . .	10
4.5. Sensitivity Analyses . . . . .	11
4.6. Management Benchmarks . . . . .	12
4.7. Projections . . . . .	13
<b>5. Discussion</b>	<b>14</b>
<b>6. Acknowledgements</b>	<b>15</b>
<b>7. References</b>	<b>16</b>
<b>8. Tables</b>	<b>17</b>
<b>9. Figures</b>	<b>18</b>
<b>A. Appendices</b>	<b>20</b>

## List of Figures

1. 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. . . . .	18
2. 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 metric tons). . . . .	19
3. My example figure produced from the cars data. . . . .	19

## List of Tables

**Disclaimer**

These materials do not constitute a formal publication and are for information only. They are in a pre-review, pre-decisional state and should not be formally cited or reproduced. They are to be considered provisional and do not represent any determination or policy of NOAA or the Department of Commerce.

Please cite this publication as:

[AUTHOR NAME]. [YEAR]. Stock Assessment Report Template. National Marine Fisheries Service, [CITY], [STATE]. 20 pp.

## **1. Executive Summary**

### **1.1. Assessment Model**

### **1.2. Reference Points, Stock Status, and Projections**

## 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

Please refer to the `stockplotr` package downloaded from `remotes::install_github('nmfs-ost/stockplotr')` to add premade tables.

## 9. Figures

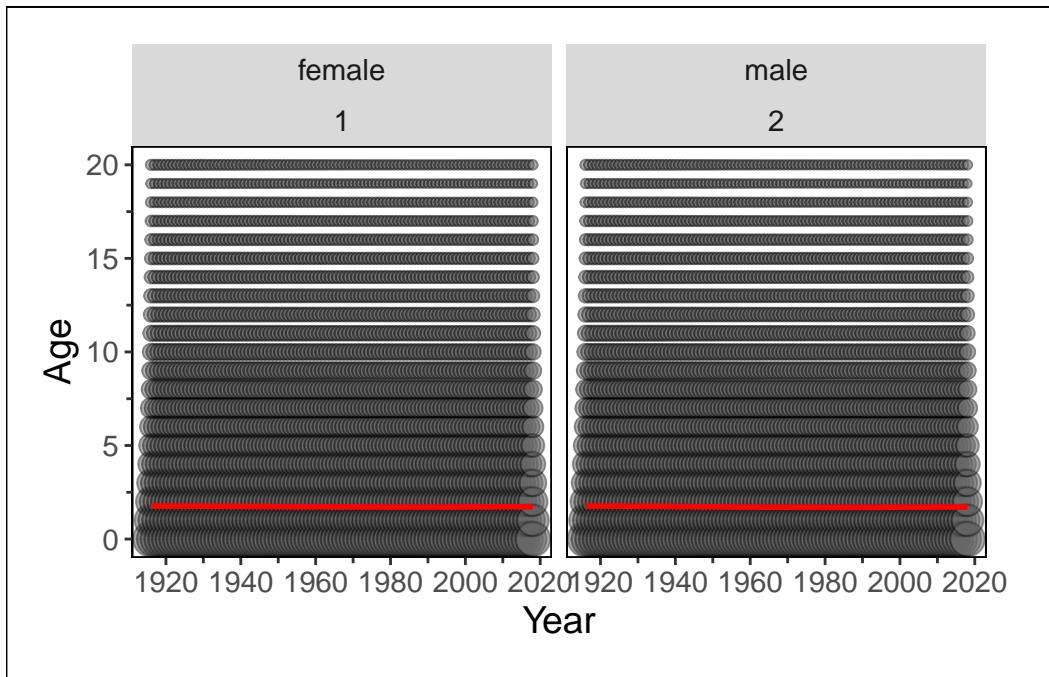


Figure 1: Model estimate of population numbers at age over time. The relative size of each bubble for a given year and age indicates the relative abundance in that category compared with others.

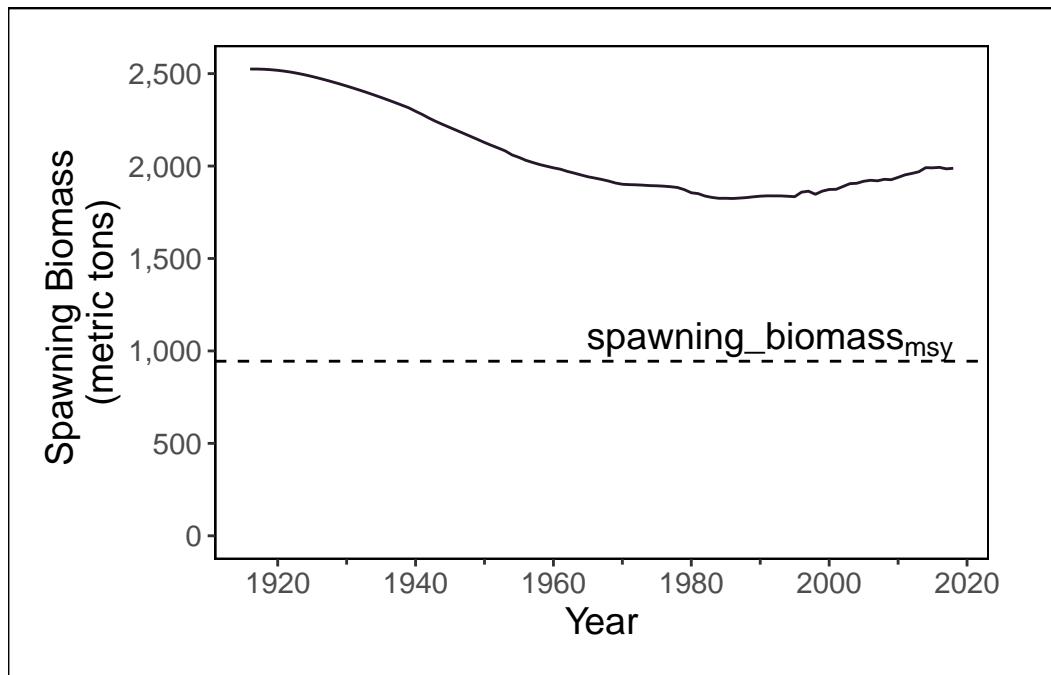


Figure 2: Model-estimated spawning stock biomass (SSB) time series. The horizontal dashed line represents the spawning stock biomass associated with the biomass limit reference point (msy metric tons).

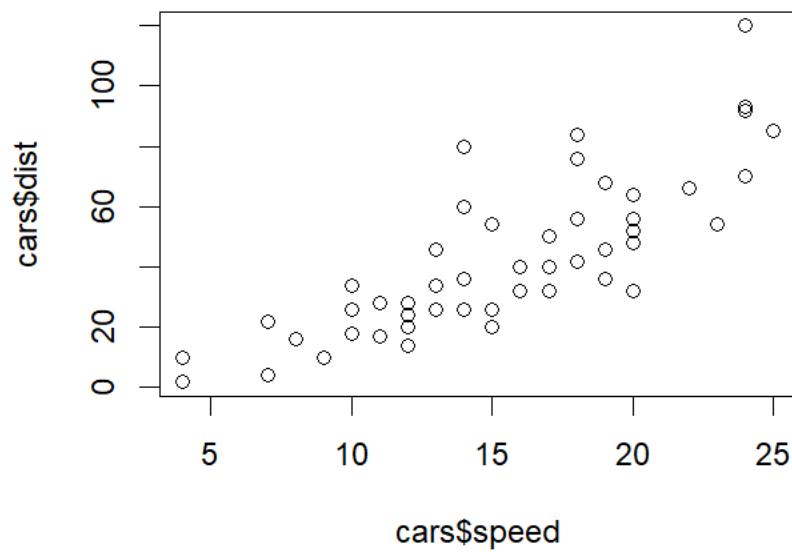


Figure 3: My example figure produced from the cars data.

## **A. Appendices**