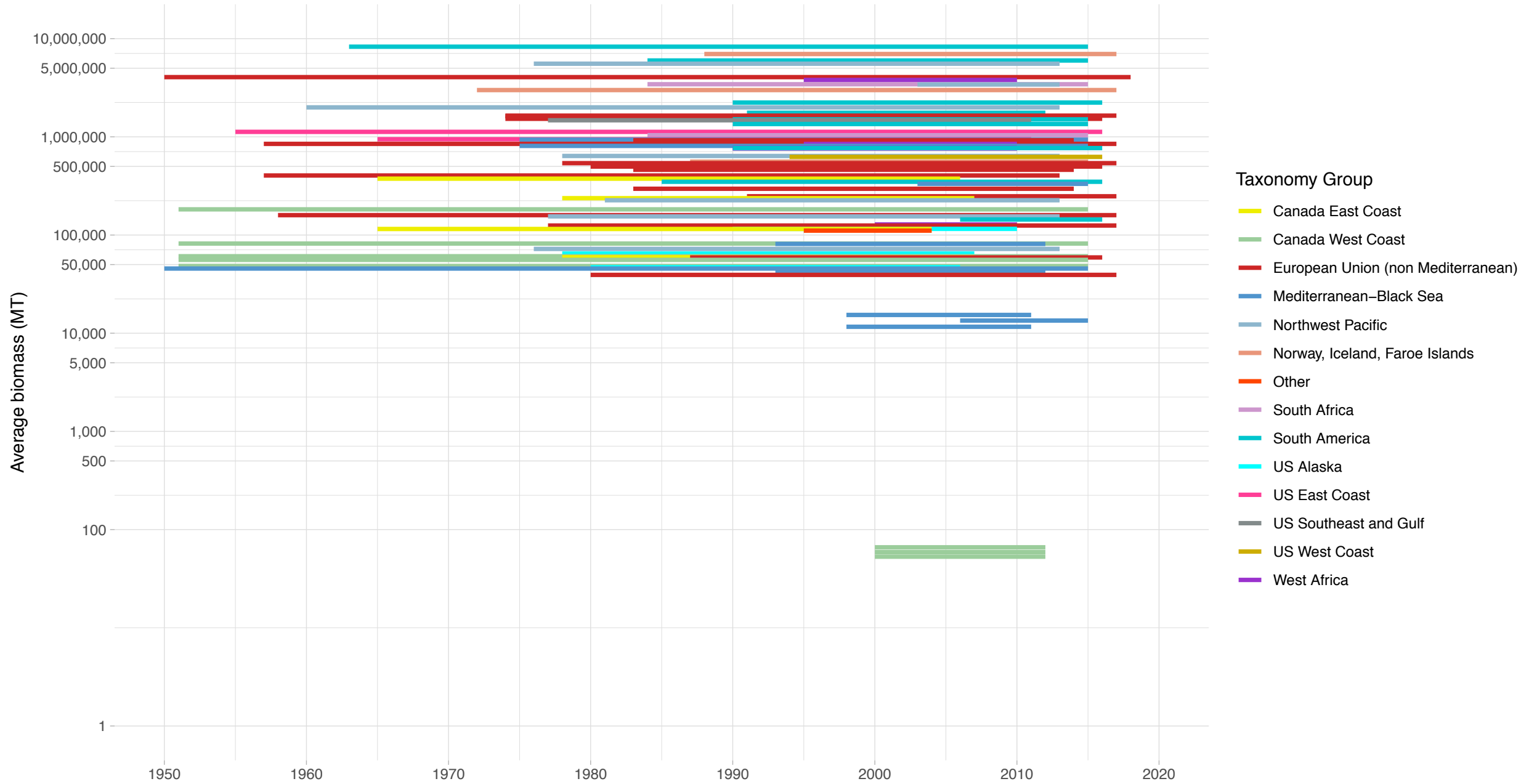
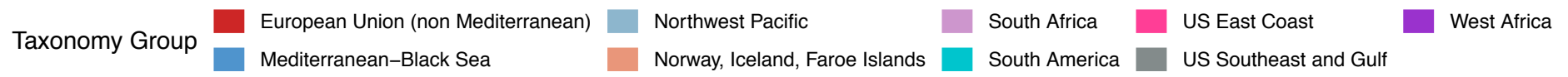
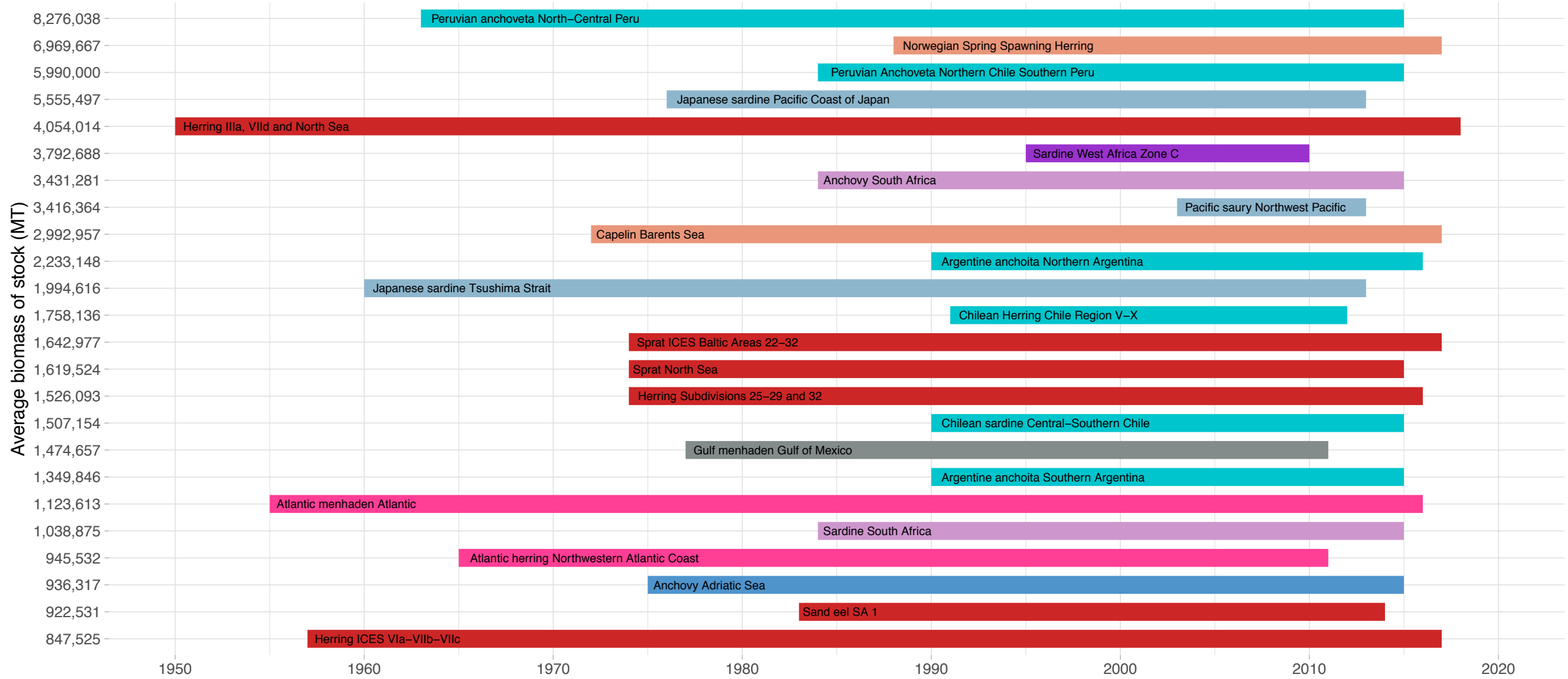


# Biomass Coverage in Forage Fish Taxonomy Group



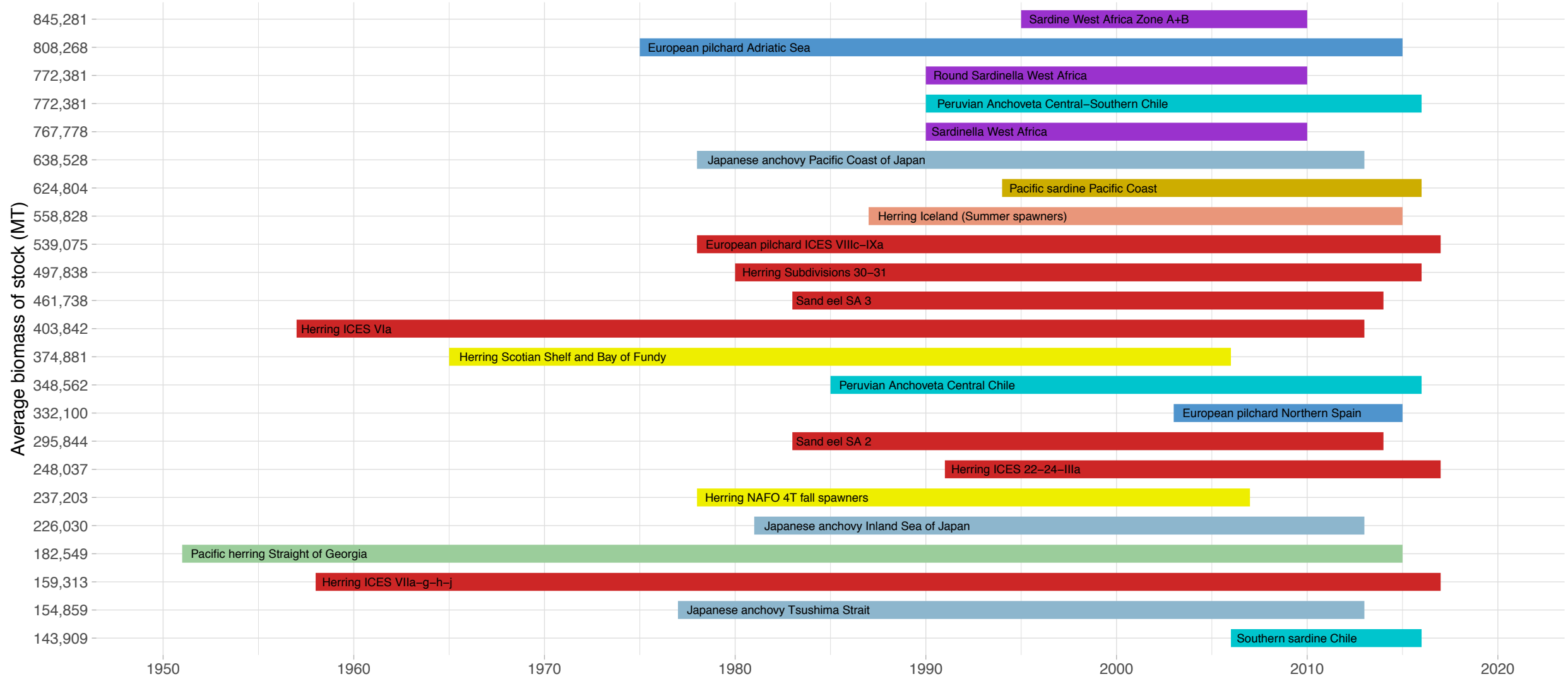
# Biomass Coverage Over Time in Forage Fish Taxonomy Group

## 1/3 of Stocks with highest average biomass



# Biomass Coverage Over Time in Forage Fish Taxonomy Group

## 1/3 of Stocks with medium average biomass

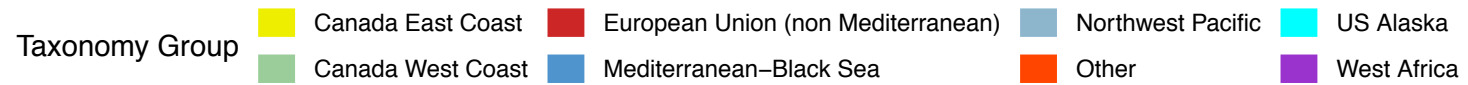
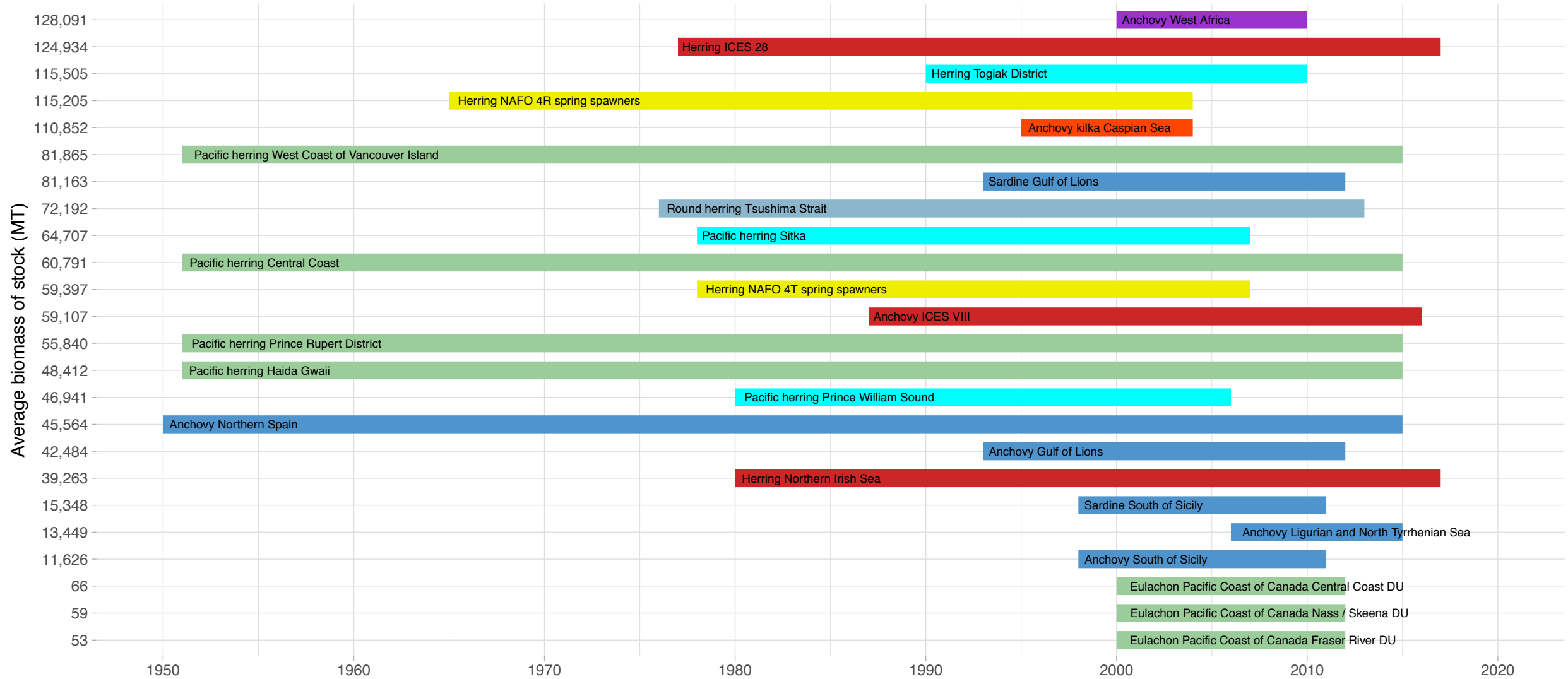


Taxonomy Group


<span style="color: yellow;">■</span> Canada East Coast	<span style="color: red;">■</span> European Union (non Mediterranean)	<span style="color: lightblue;">■</span> Northwest Pacific	<span style="color: cyan;">■</span> South America	<span style="color: purple;">■</span> West Africa
<span style="color: lightgreen;">■</span> Canada West Coast	<span style="color: blue;">■</span> Mediterranean-Black Sea	<span style="color: peachpuff;">■</span> Norway, Iceland, Faroe Islands	<span style="color: gold;">■</span> US West Coast	


# Biomass Coverage Over Time in Forage Fish Taxonomy Group

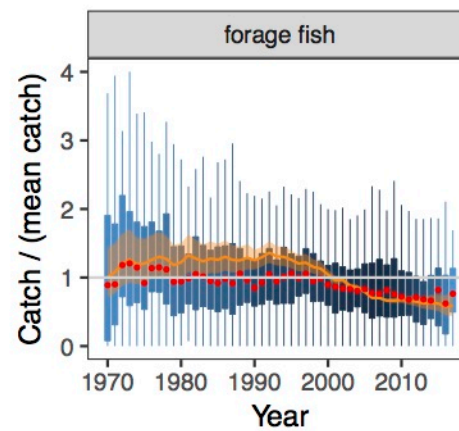
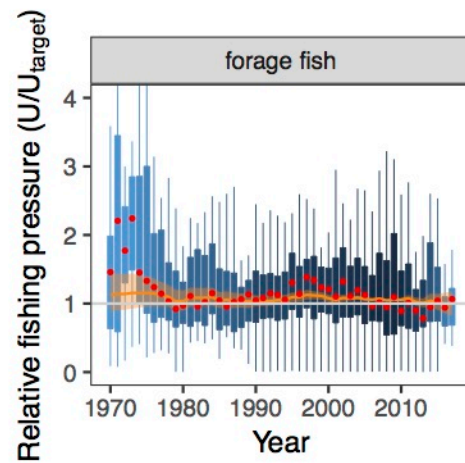
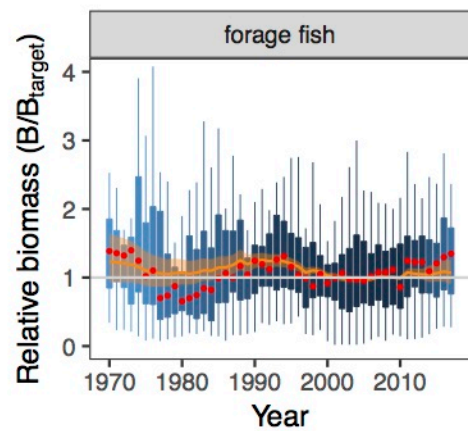
1/3 of Stocks with lowest average biomass





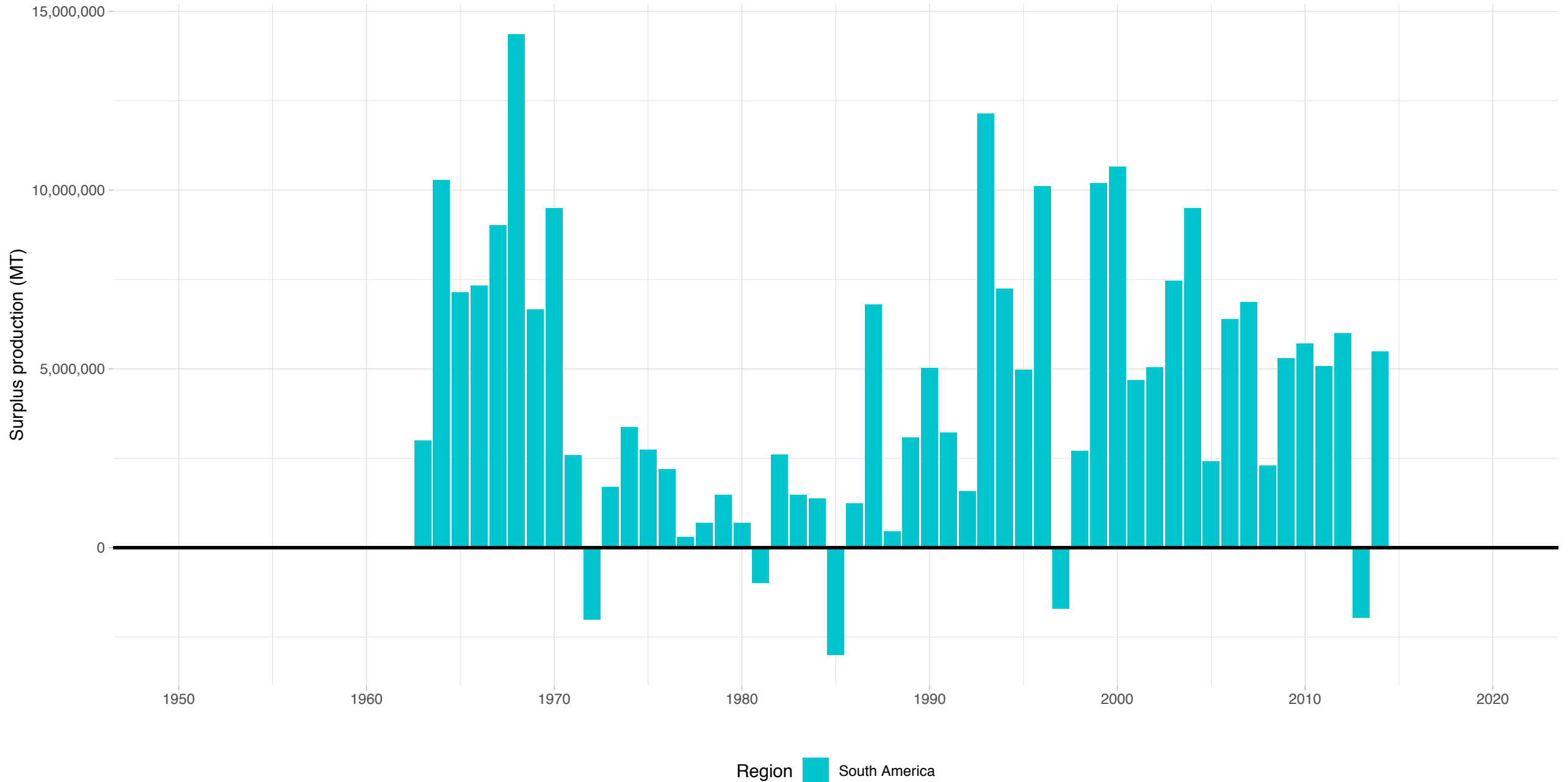
Summary method:  Median

 State-space model prediction



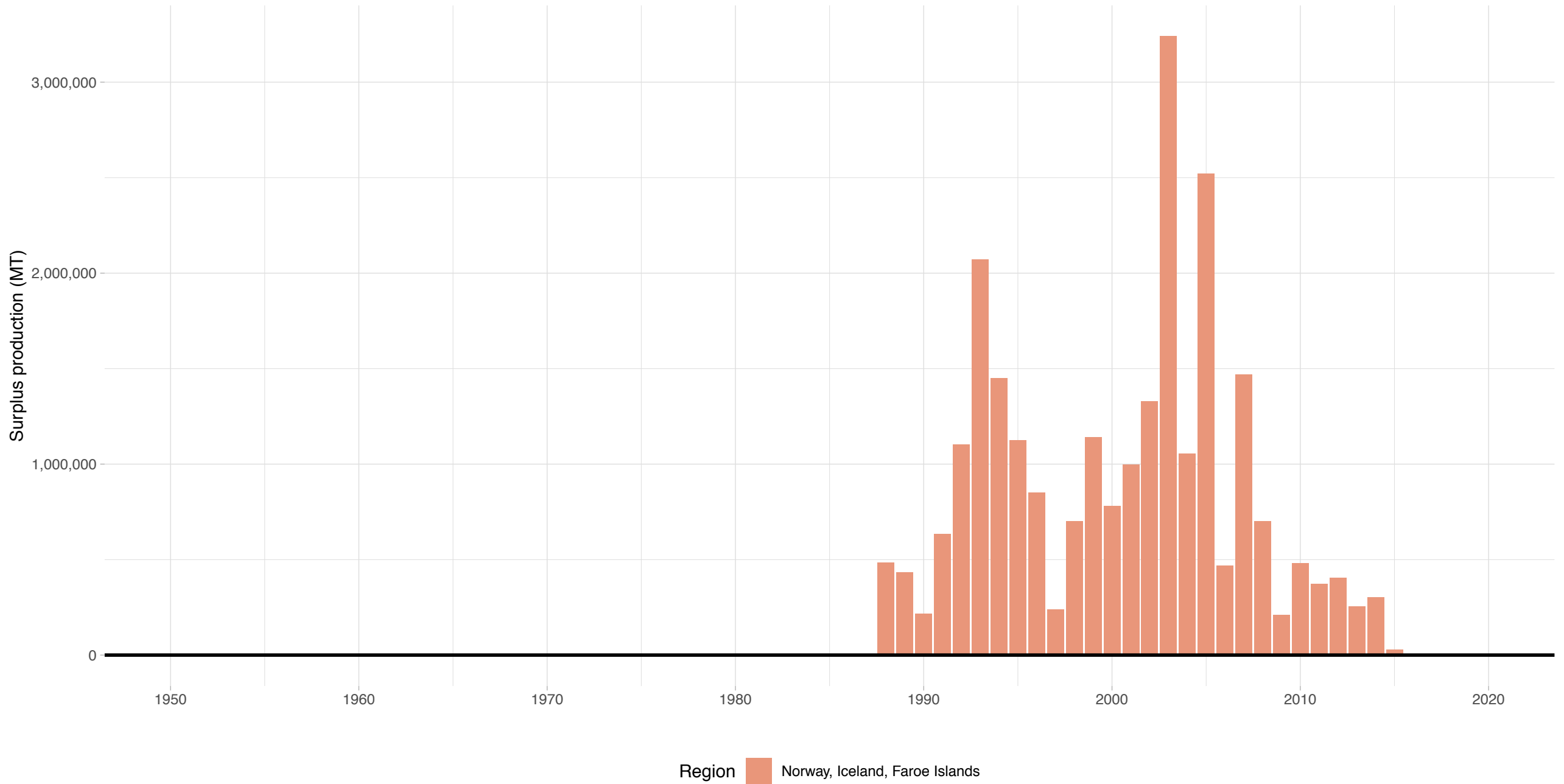
# Peruvian anchoveta North-Central Peru – Forage Fish Taxonomy Group

Stock represents 22.0% of average absolute surplus production



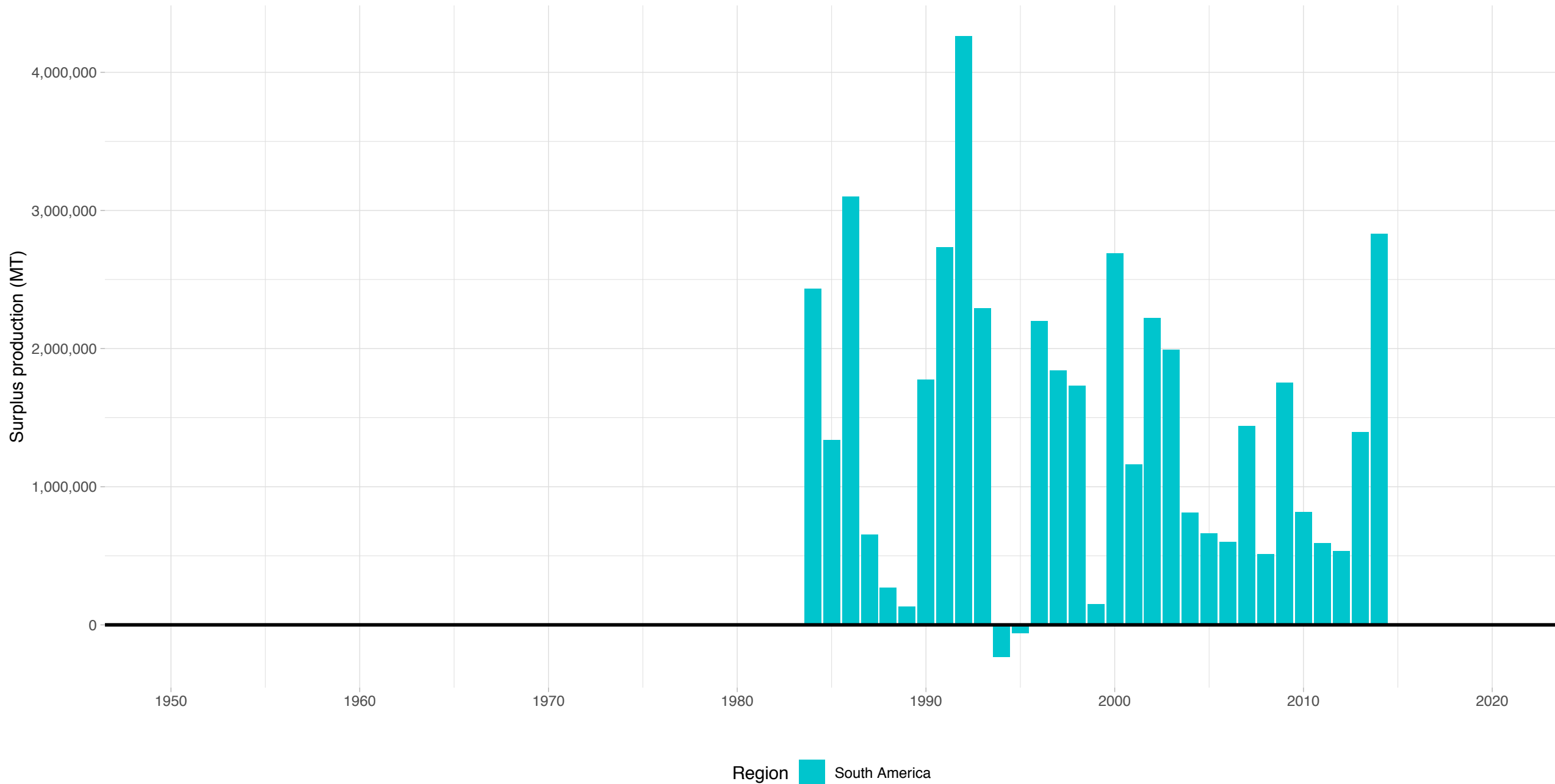
# Norwegian Spring Spawning Herring – Forage Fish Taxonomy Group

Stock represents 4.09% of average absolute surplus production



# Peruvian Anchoveta Northern Chile Southern Peru – Forage Fish Taxonomy Group

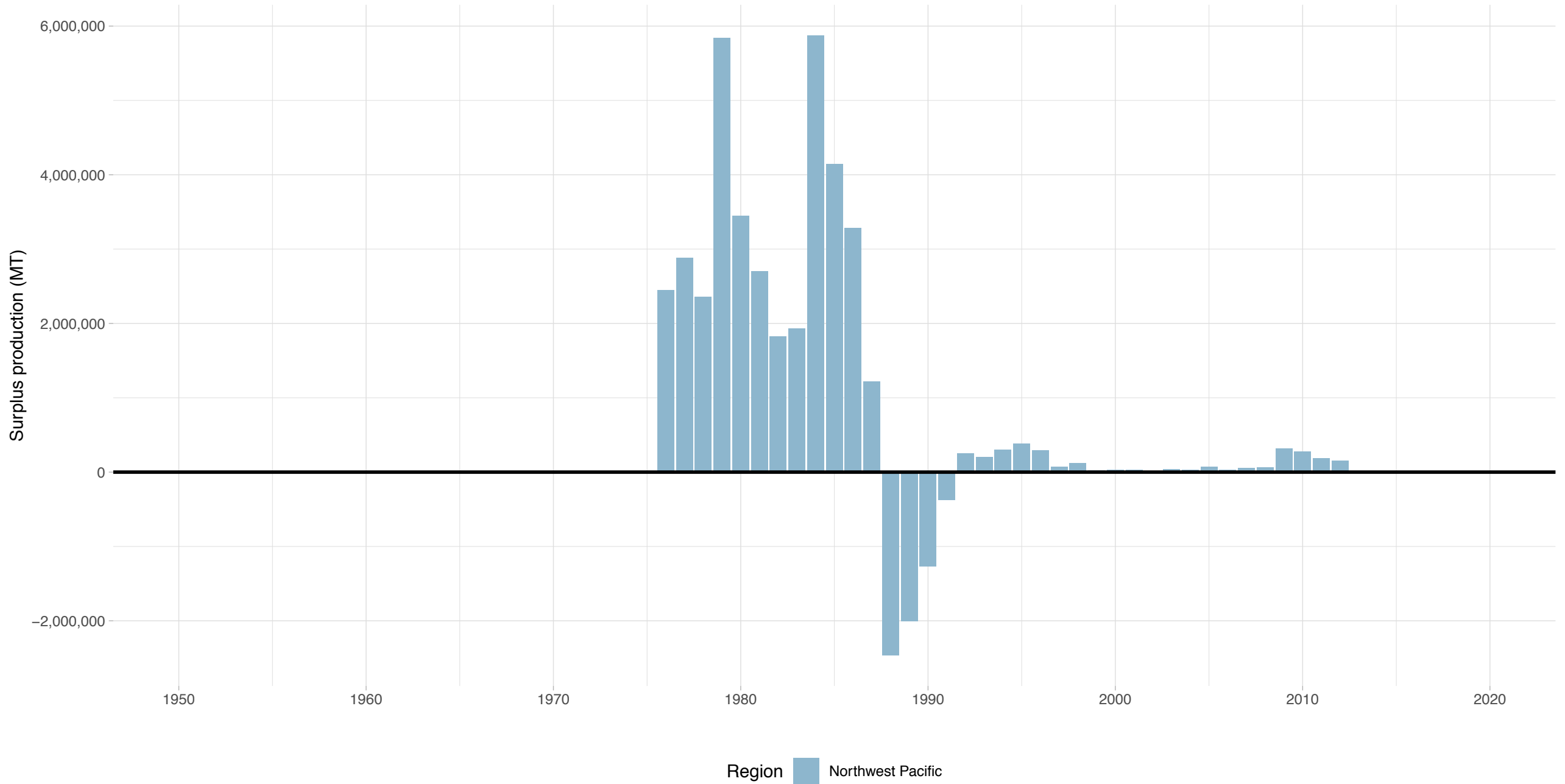
Stock represents 6.66% of average absolute surplus production



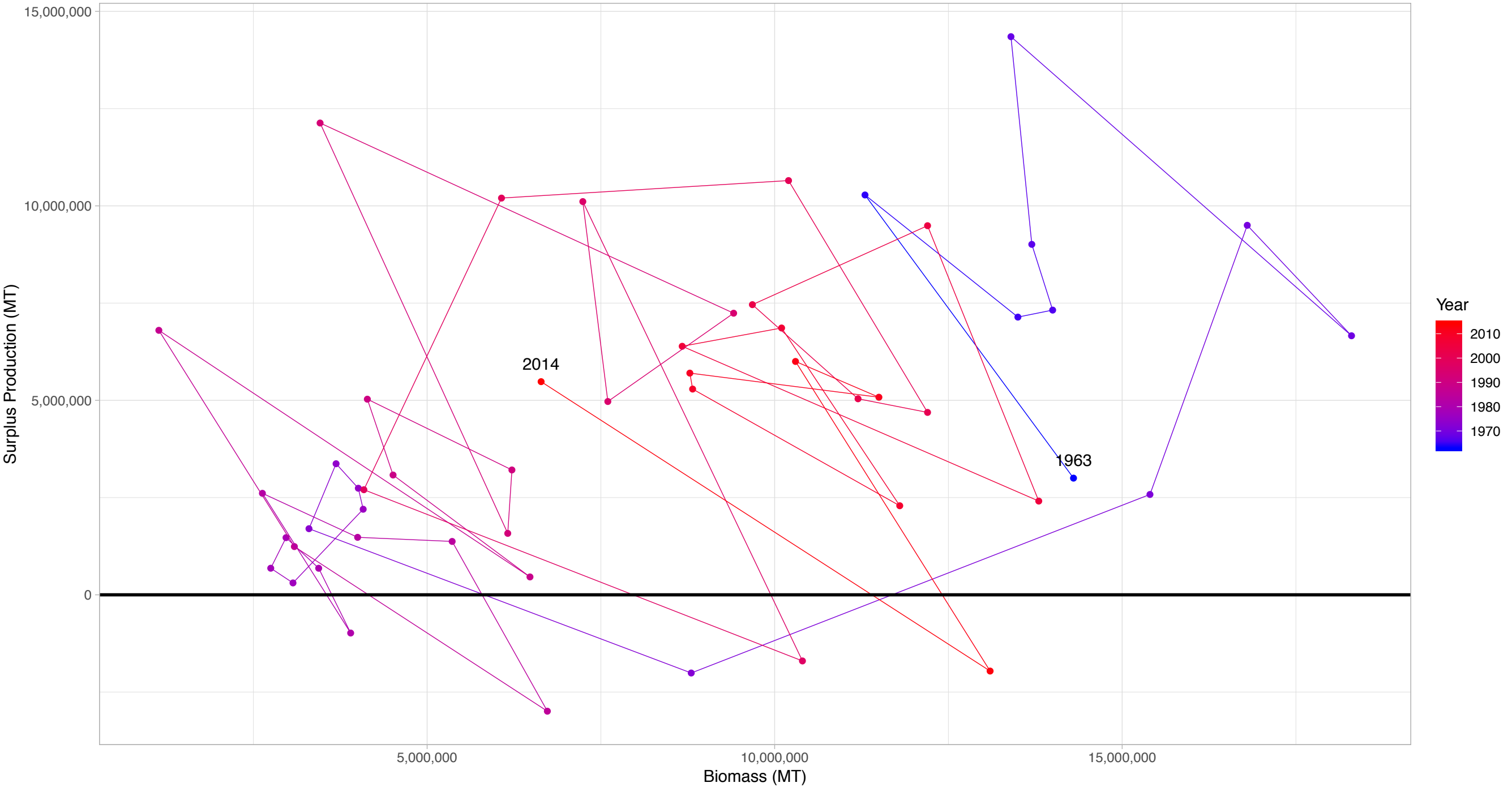


# Japanese sardine Pacific Coast of Japan – Forage Fish Taxonomy Group

Stock represents 5.80% of average absolute surplus production

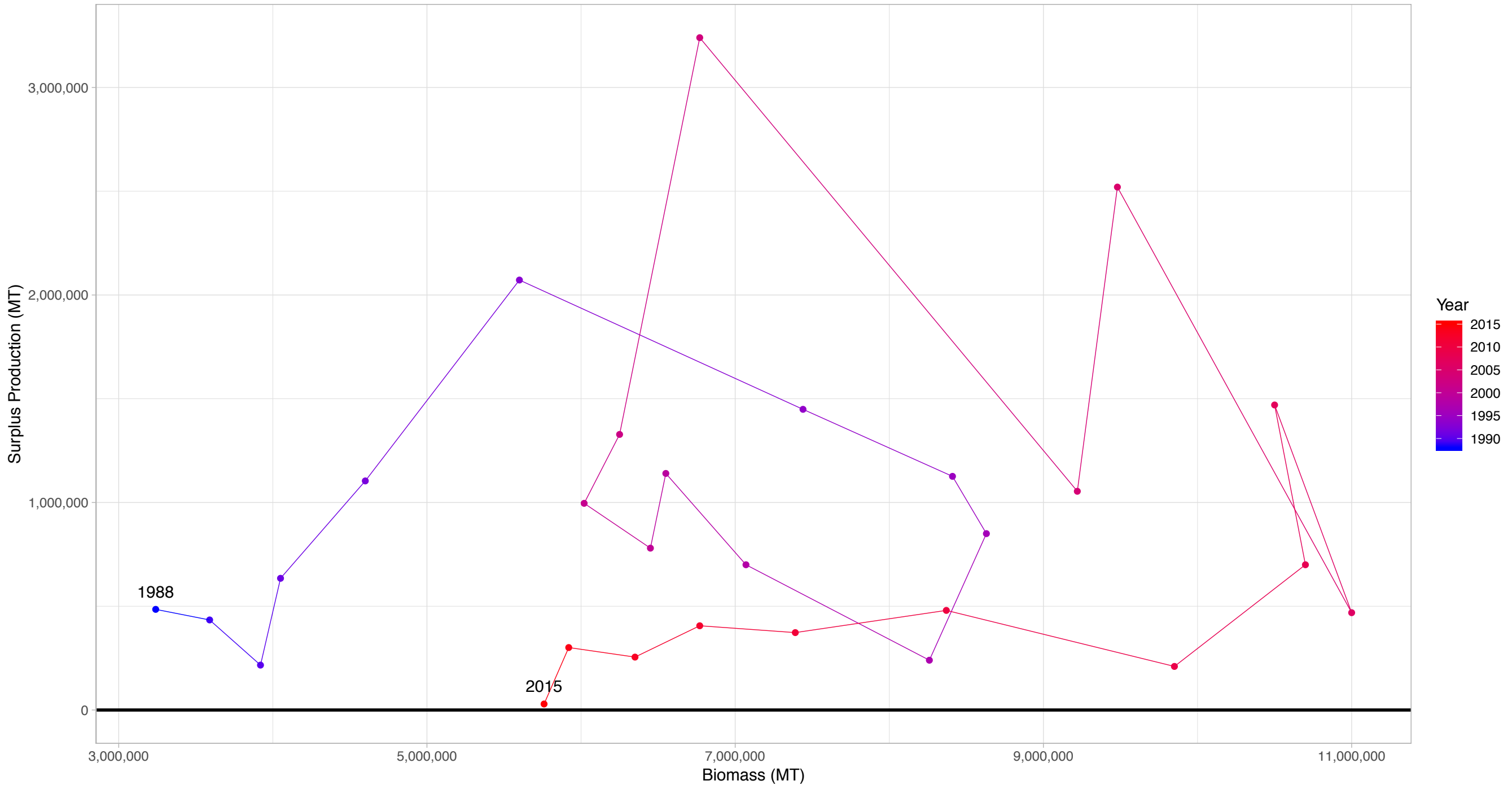


Peruvian anchoveta North-Central Peru  
in Forage Fish Taxonomy Group



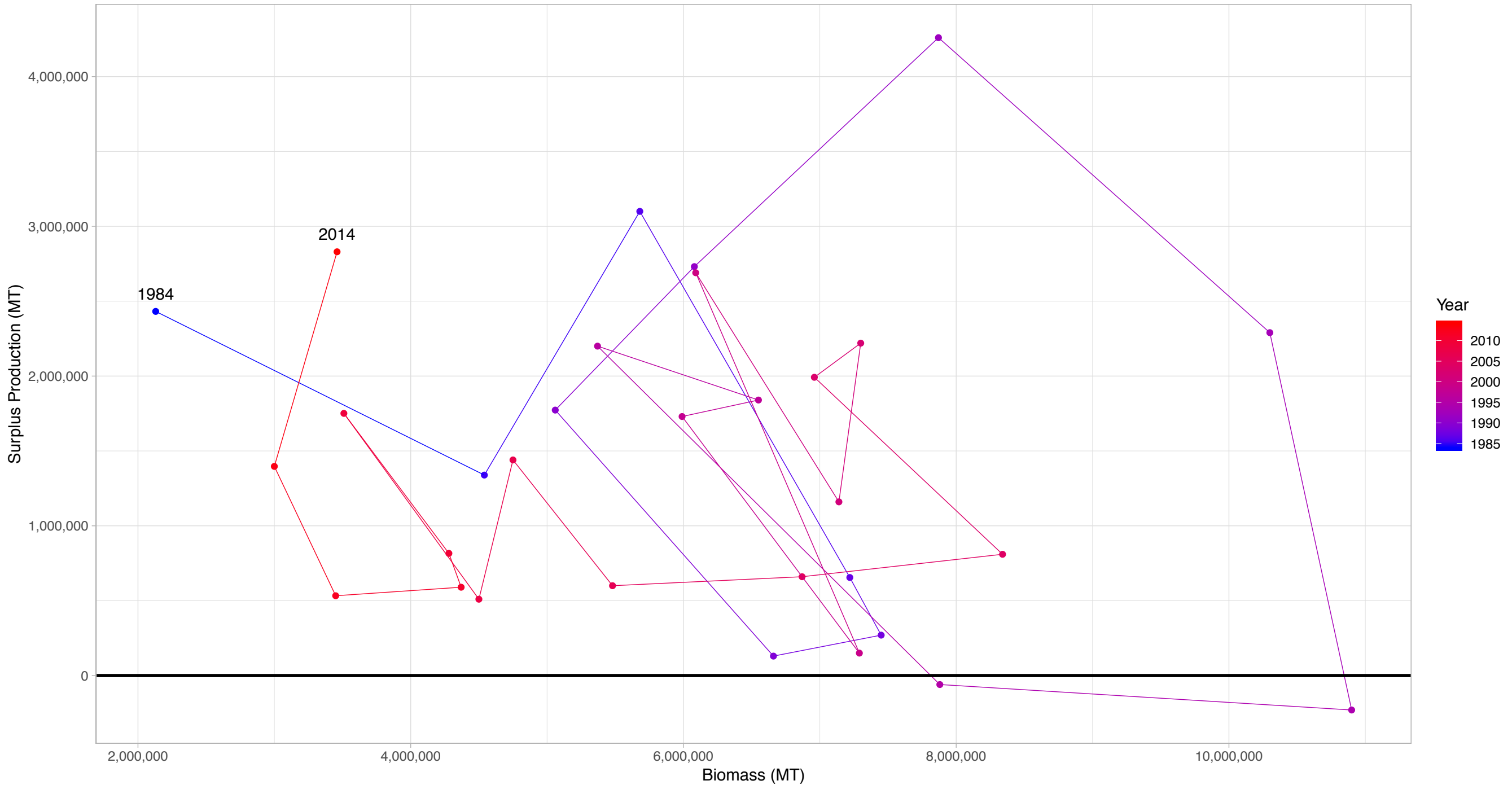
First and last years with recorded surplus production are labeled

# Norwegian Spring Spawning Herring in Forage Fish Taxonomy Group



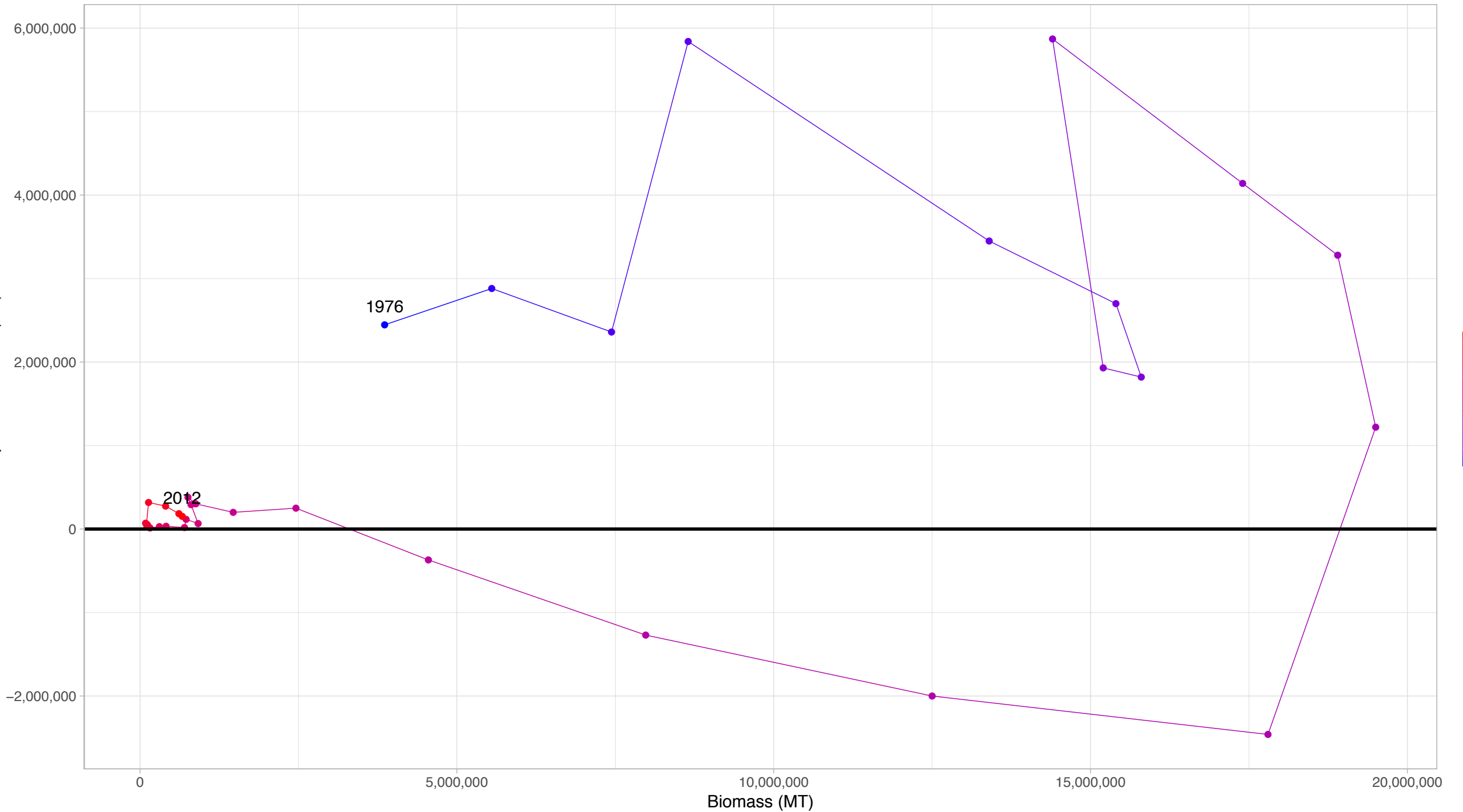
First and last years with recorded surplus production are labeled

# Peruvian Anchoveta Northern Chile Southern Peru in Forage Fish Taxonomy Group



First and last years with recorded surplus production are labeled

# Japanese sardine Pacific Coast of Japan in Forage Fish Taxonomy Group



First and last years with recorded surplus production are labeled