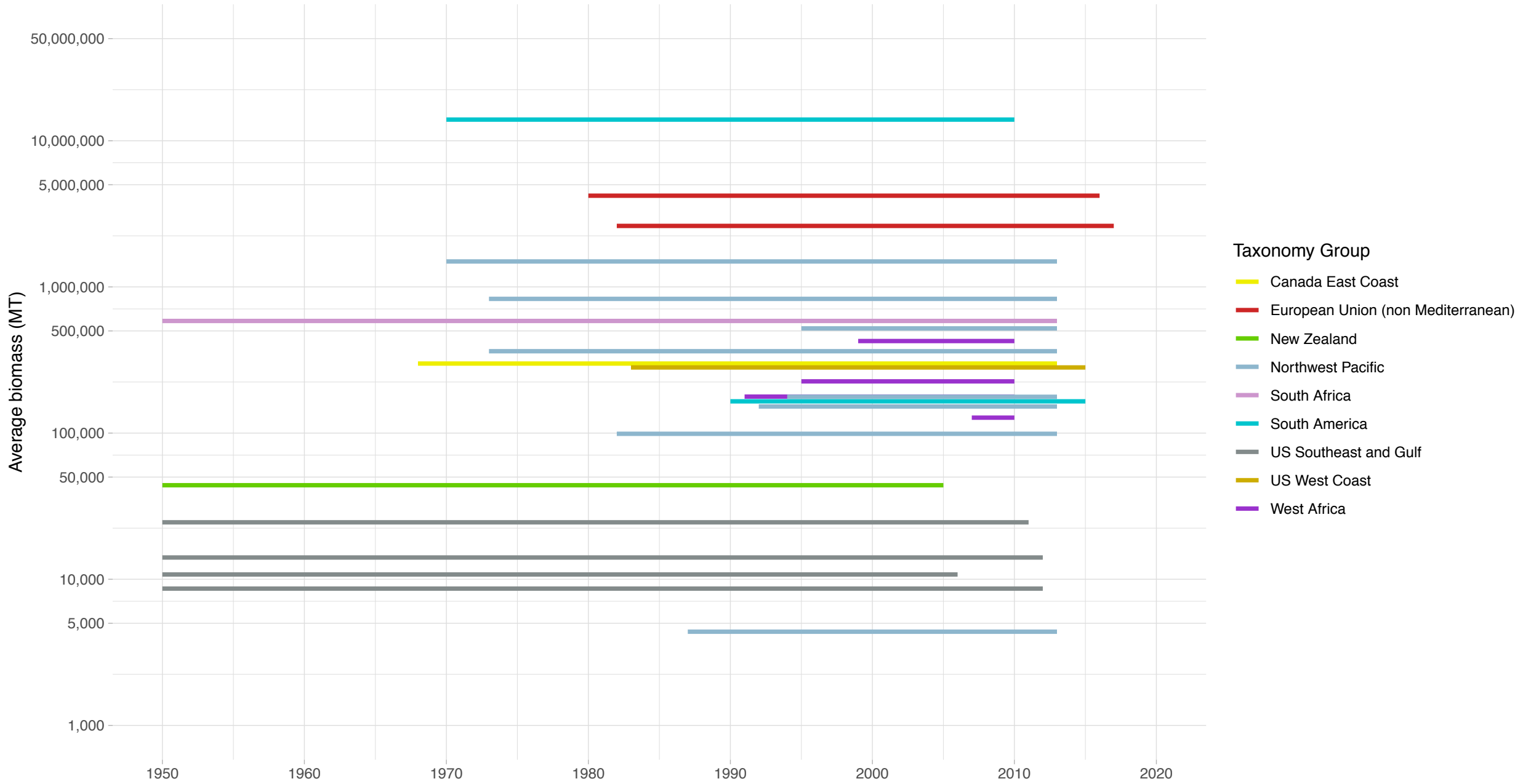
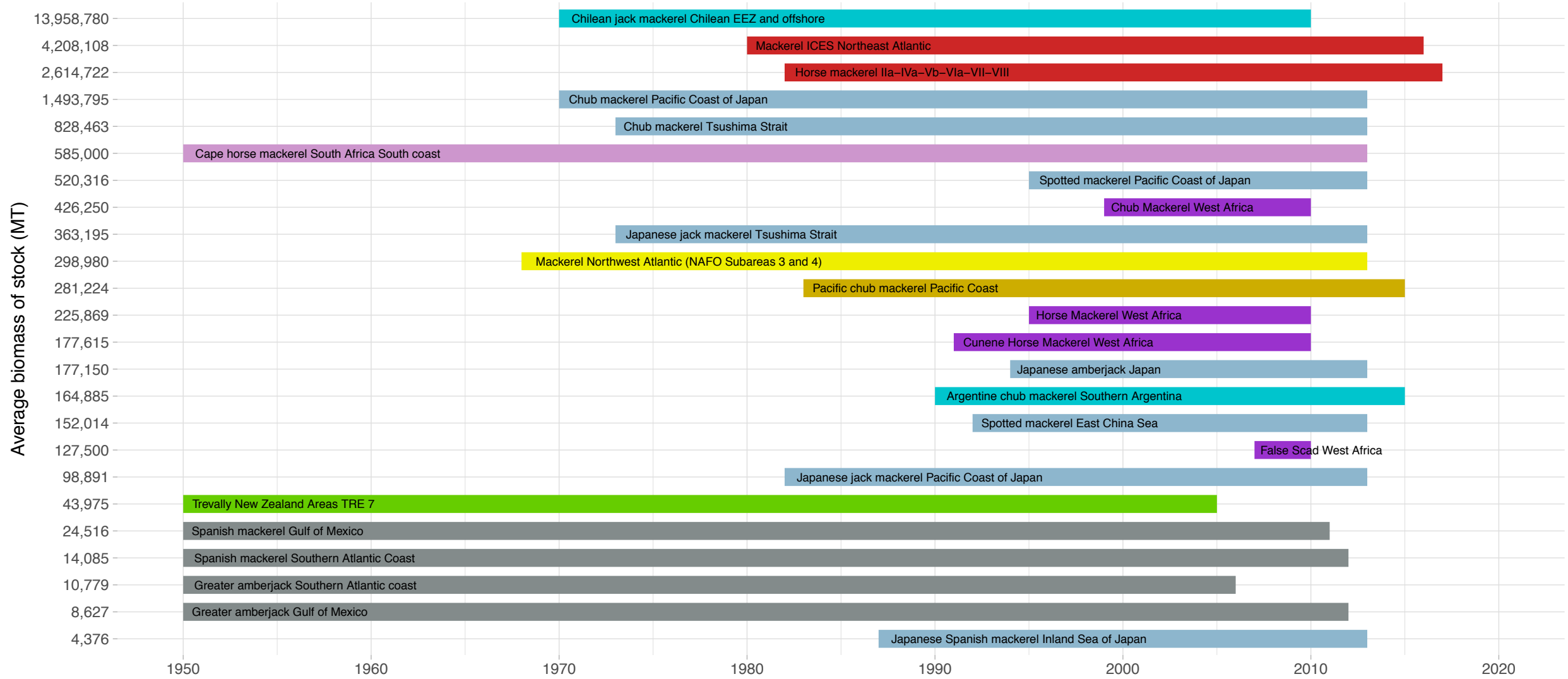


Biomass Coverage in Carangids–Mackerels Taxonomy Group



Biomass Coverage Over Time in Carangids–Mackerels Taxonomy Group


Stocks ordered from lowest to highest average biomass




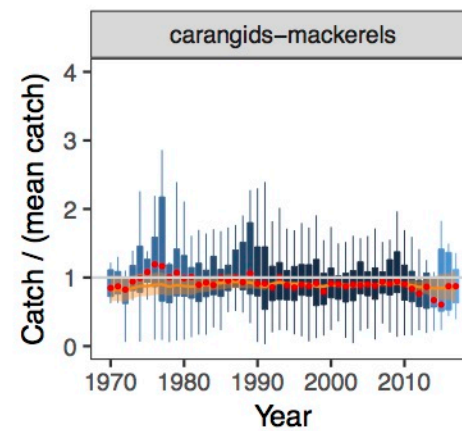
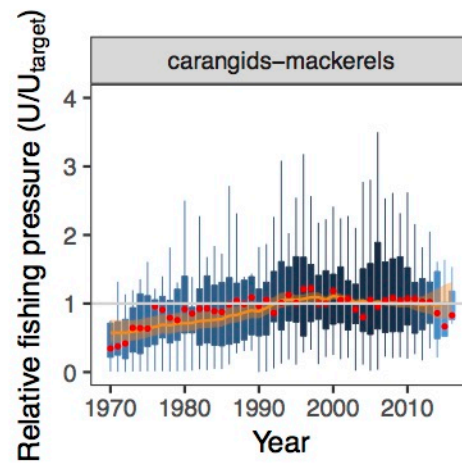
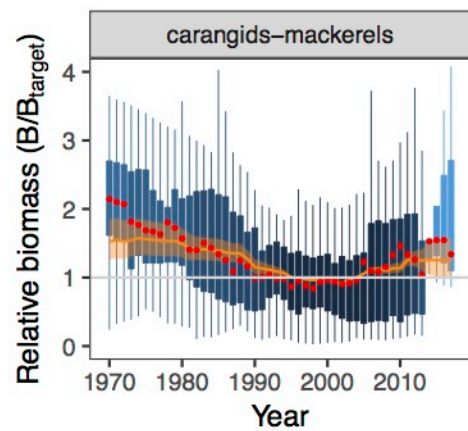
Taxonomy Group

■ Canada East Coast	■ New Zealand	■ South Africa	■ US Southeast and Gulf	■ West Africa
■ European Union (non Mediterranean)	■ Northwest Pacific	■ South America	■ US West Coast	



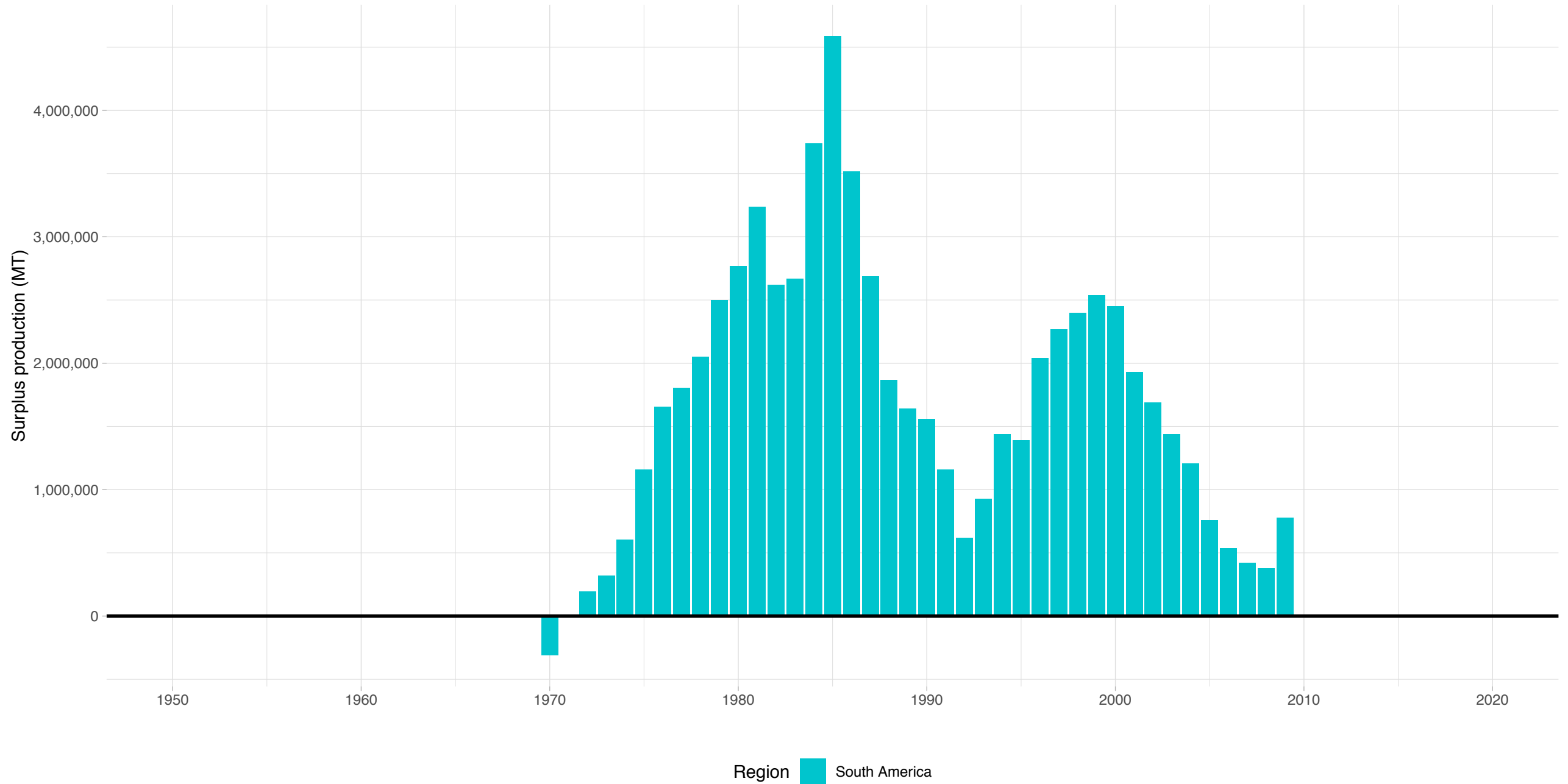
Summary method:  Median

 State-space model prediction



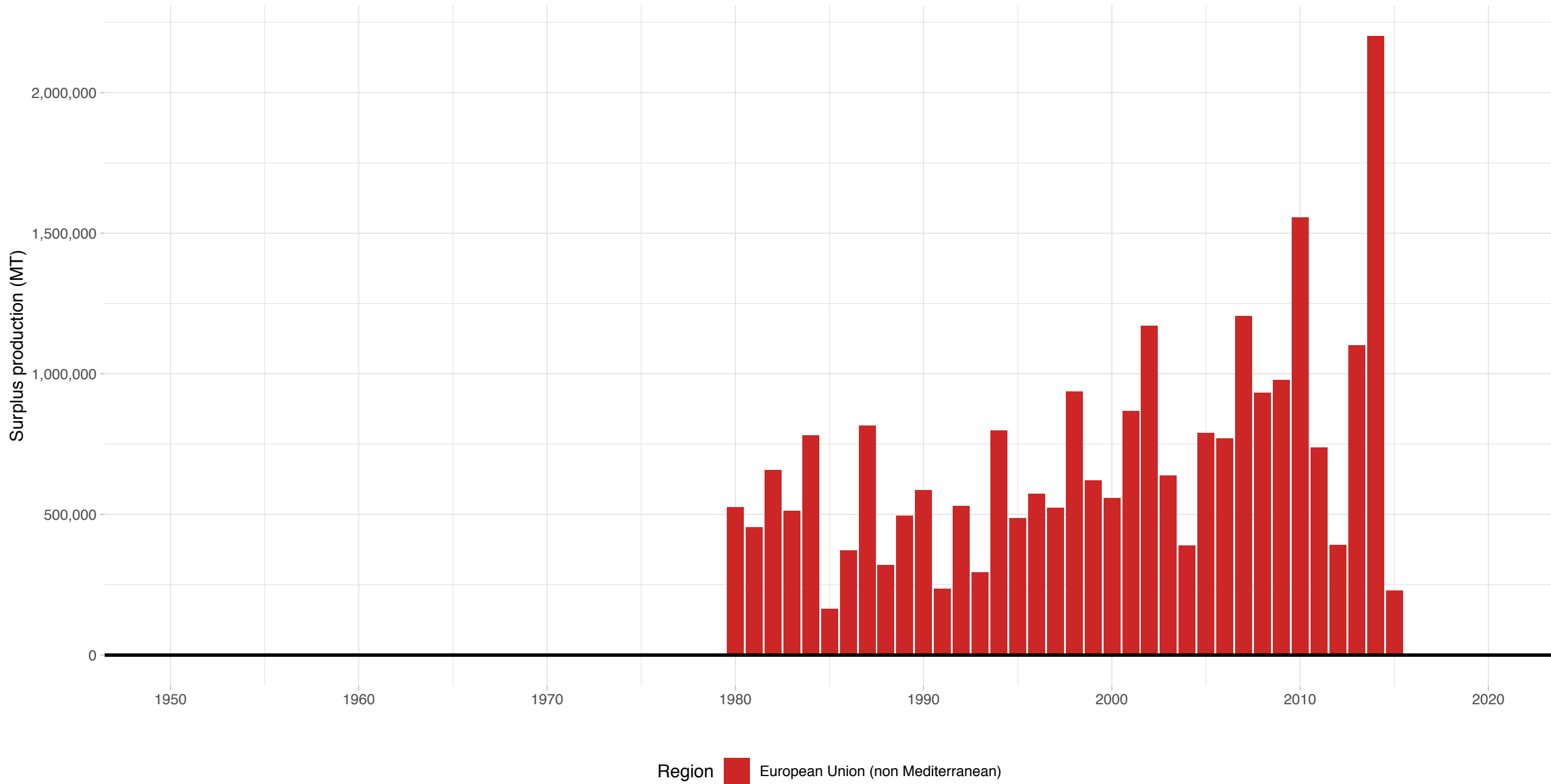
Chilean jack mackerel Chilean EEZ and offshore – Carangids–Mackerels Taxonomy Group

Stock represents 37.5% of average absolute surplus production



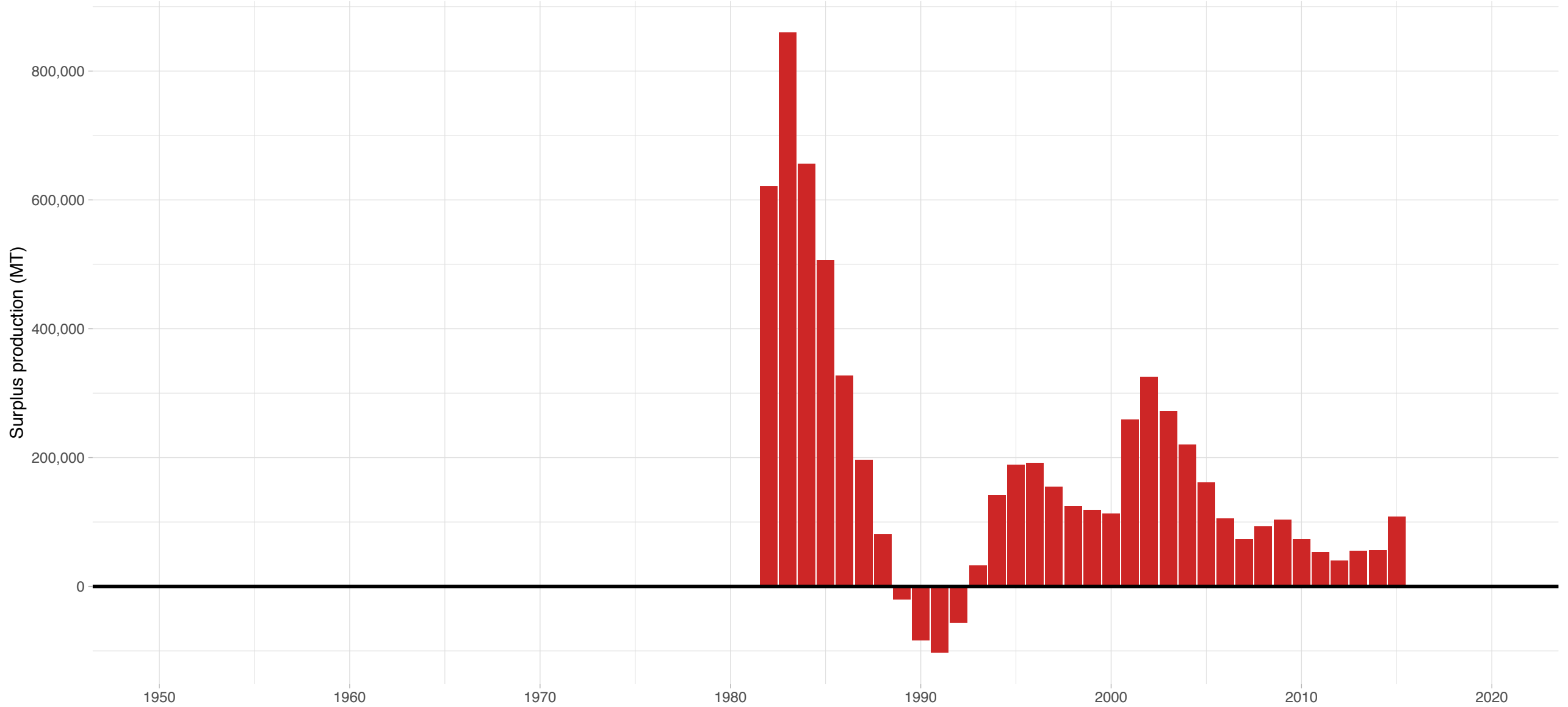
Mackerel ICES Northeast Atlantic – Carangids–Mackerels Taxonomy Group

Stock represents 15.5% of average absolute surplus production



Horse mackerel IIa-IVa-Vb-VIa-VII-VIII – Carangids-Mackerels Taxonomy Group

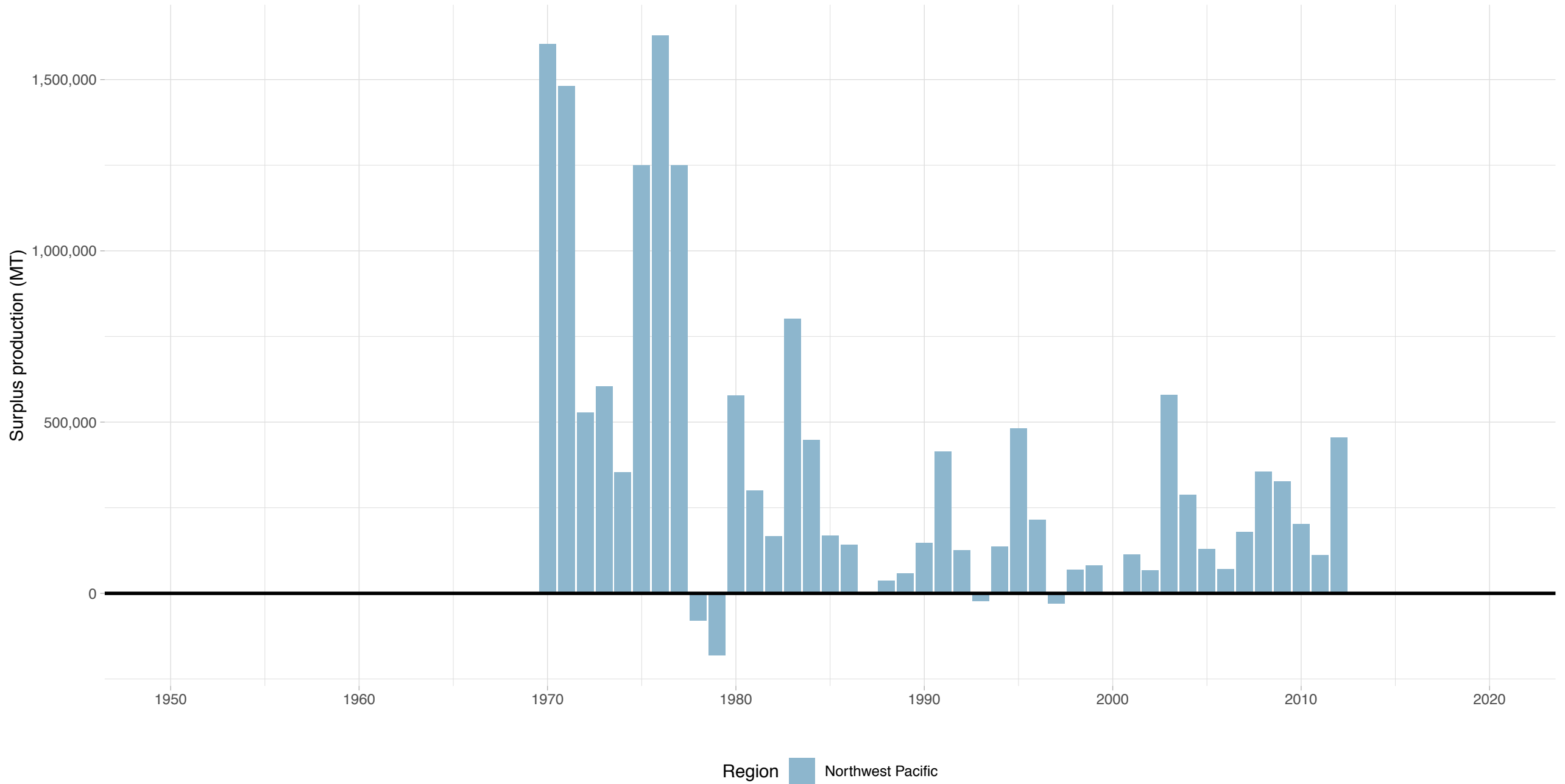
Stock represents 4.27% of average absolute surplus production



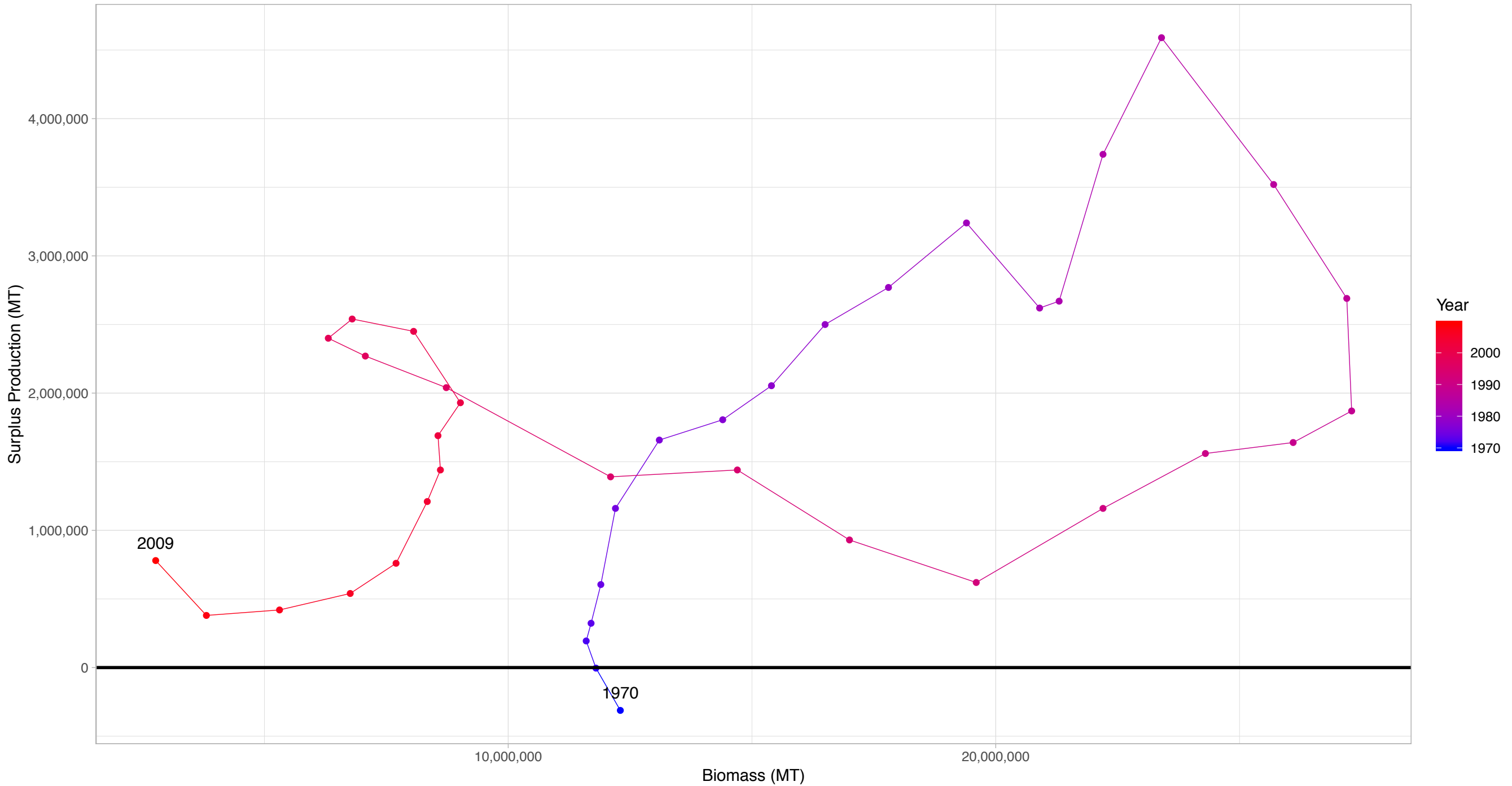
Region ■ European Union (non Mediterranean)

Chub mackerel Pacific Coast of Japan – Carangids–Mackerels Taxonomy Group

Stock represents 8.34% of average absolute surplus production

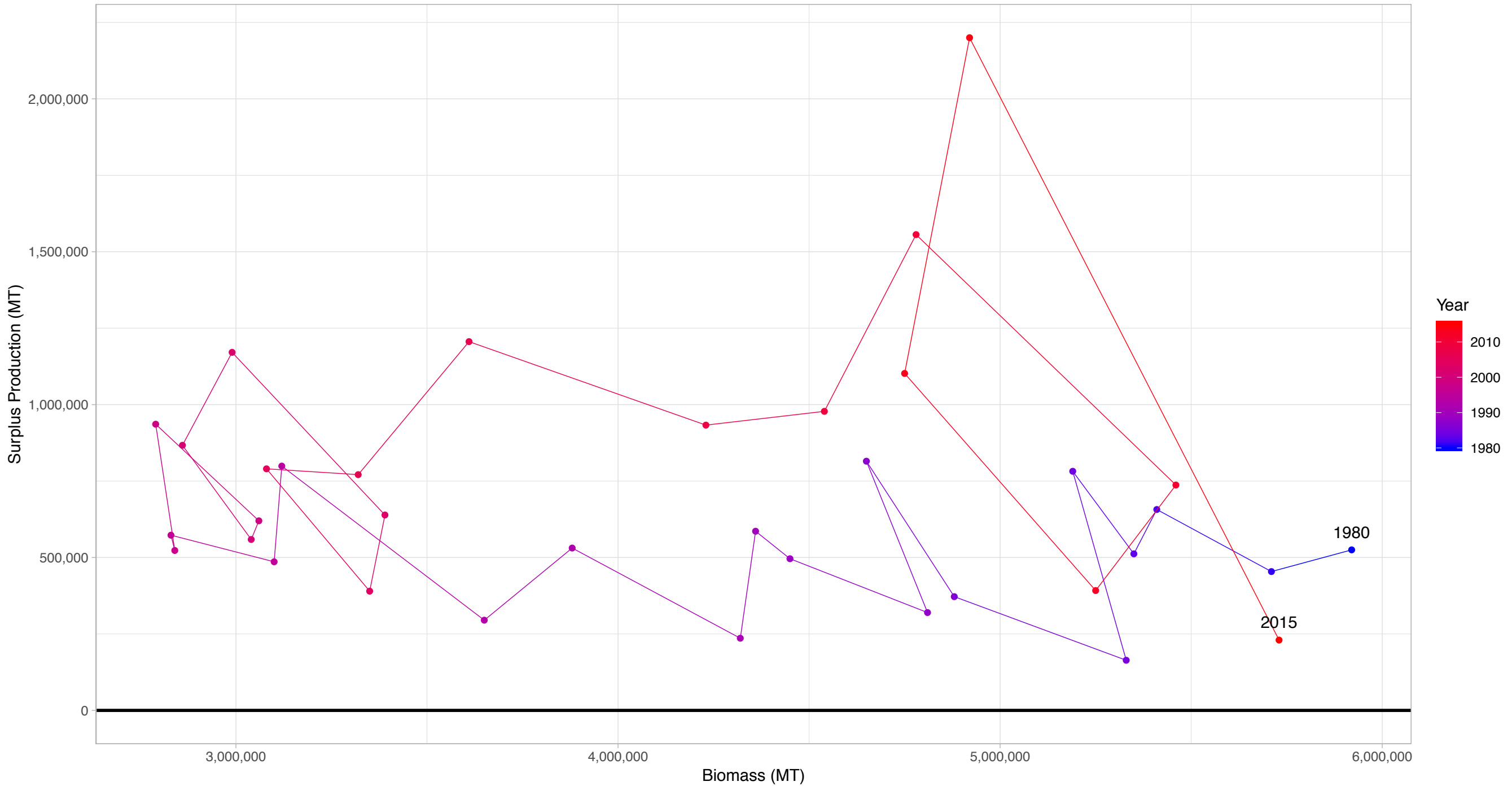


Chilean jack mackerel Chilean EEZ and offshore in Carangids–Mackerels Taxonomy Group



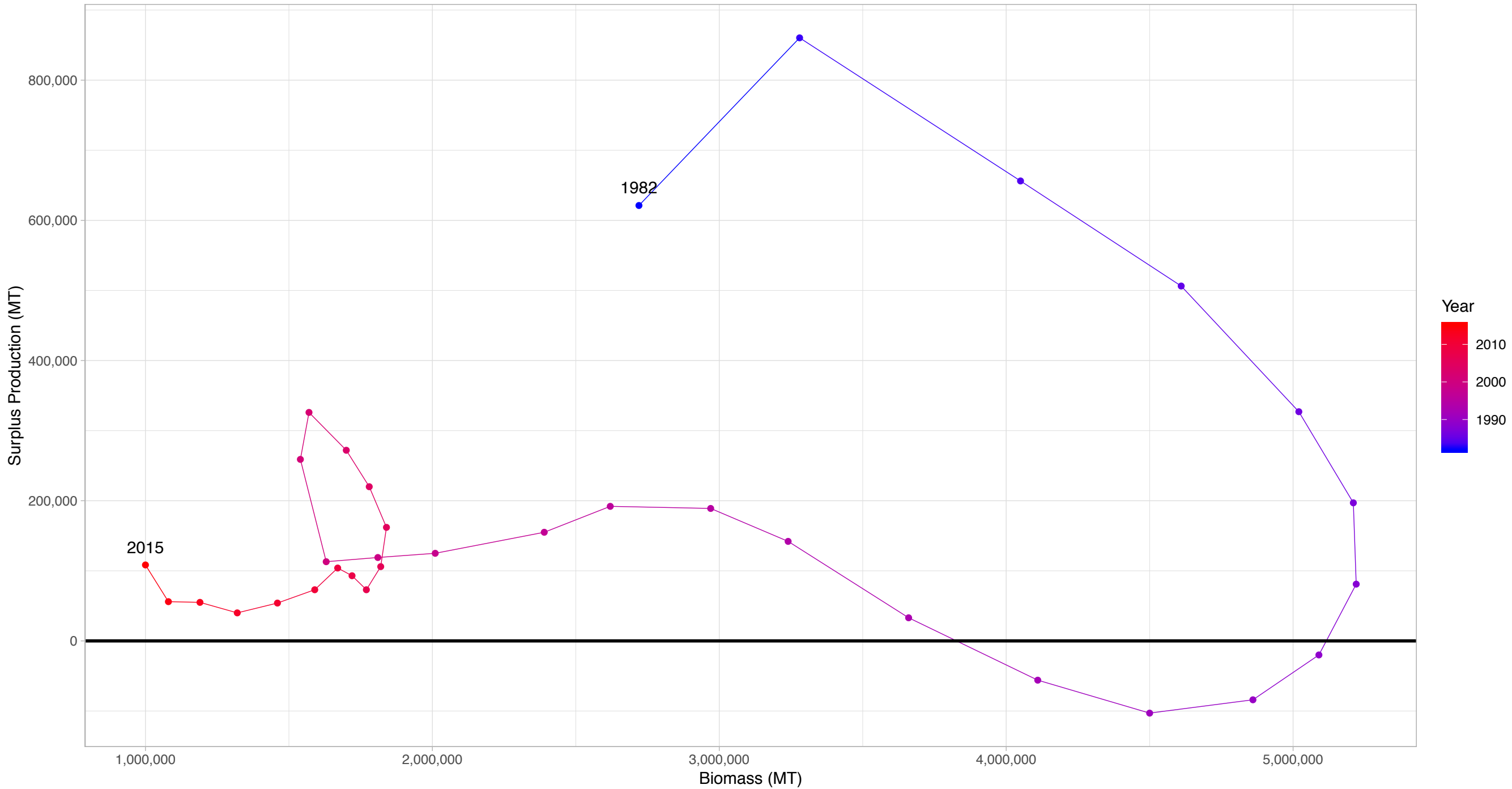
First and last years with recorded surplus production are labeled

Mackerel ICES Northeast Atlantic in Carangids–Mackerels Taxonomy Group



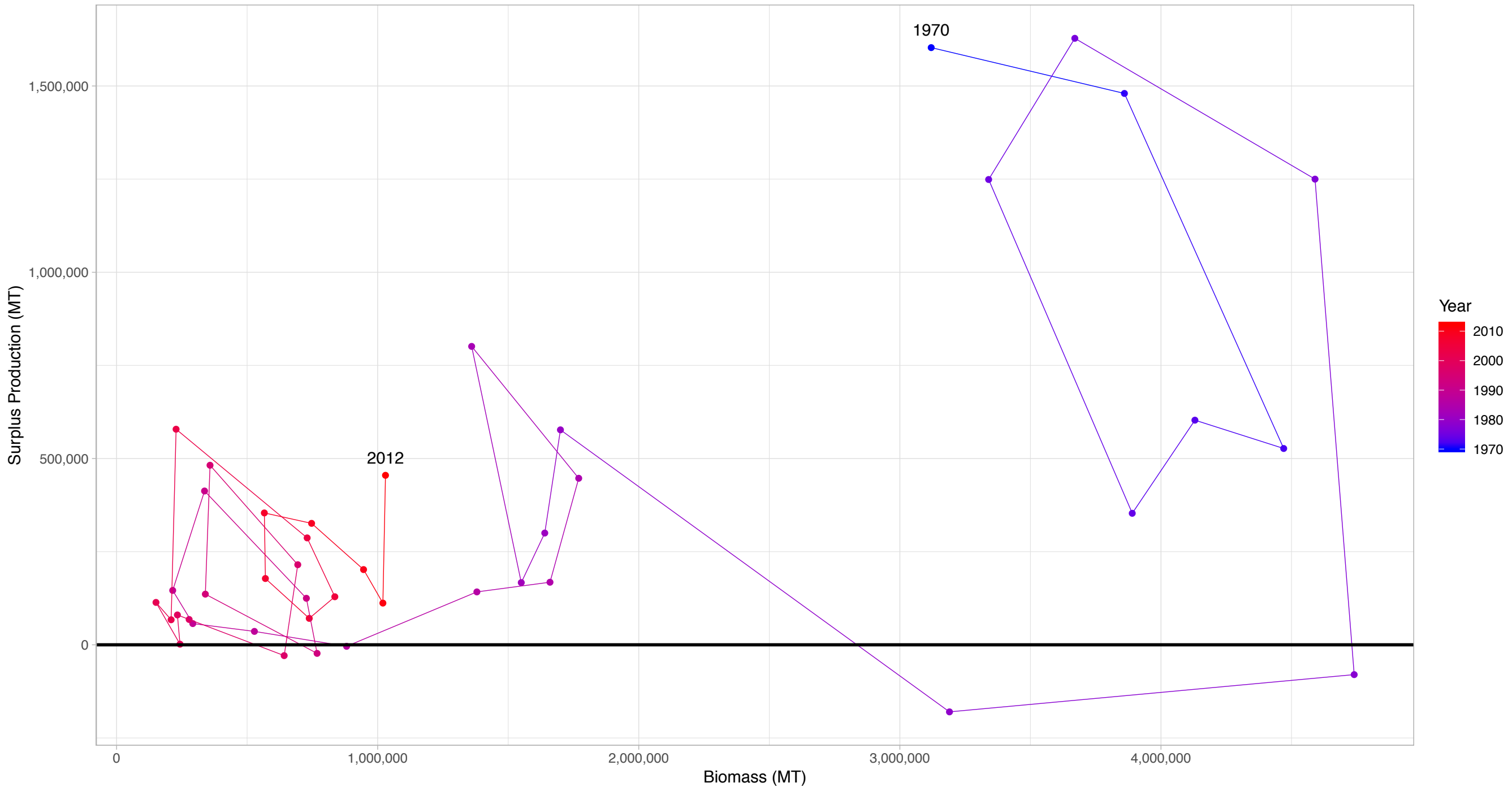
First and last years with recorded surplus production are labeled

Horse mackerel IIa–IVa–Vb–VIa–VII–VIII in Carangids–Mackerels Taxonomy Group



First and last years with recorded surplus production are labeled

Chub mackerel Pacific Coast of Japan in Carangids-Mackerels Taxonomy Group



First and last years with recorded surplus production are labeled