

Recruits (age 1, millions)

80000
60000
40000
20000
0

0

1000

2000

3000

4000

5000

Female spawning biomass (kt)

2018

1978

2008

1992

1982

2012

2013

1989

1980

1979

1977

1968

1969

1972

2009

1973

1974

1975

1976

1970

1971

1981

2010

2007

2011

1991

2006

1990

2000

1984

1996

1999

2001

1995

2022

1997

1983

1985

1986

1987

1988

1994

2004

2015

2016

2003

2005

2002

1998

2008

2021

2020

1964

1965

1966

1967

1968

1969

1970

1971

1972

1973

1974

1975

1976

1977

1978

1979

1980

1981

1982

1983

1984

1985

1986

1987

1988

1989

1990

1991

1992

1993

1994

1995

1996

1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

2022