Table 15. Natural mortality (M) and total mortality (Z) rates estimated by the base run of the Bayesian age-structured model.

Year	M	Z
1982	0.17	1.53
1983	0.17	1.83
1984	0.17	2.09
1985	0.17	1.83
1986	0.17	2.24
1987	0.17	1.31
1988	0.16	2.13
1989	0.16	1.86
1990	0.15	1.72
1991	0.15	1.82
1992	0.14	1.95
1993	0.14	1.63
1994	0.14	0.92
1995	0.14	0.69
1996	0.15	0.73
1997	0.17	0.77
1998	0.20	0.93
1999	0.24	0.98
2000	0.29	1.28
2001	0.36	1.23
2002	0.42	1.89
2003	0.48	1.97
2004	0.55	1.83
2005	0.66	1.72
2006	0.80	2.29
2007	0.91	3.01
2008	0.94	2.68
2009	0.94	3.14
2010	0.94	2.70
2011	0.94	1.45
2012	0.95	1.91
2013	0.95	1.84
2014	0.93	2.31
2015	0.90	2.01
2016	0.88	2.07
2017	0.83	1.45

Table 17. Spawning stock biomass (mt) estimated by the base run of the Bayesian age-structured model.

Year	SSB (mt)
1982	15,405
1983	12,858
1984	10,815
1985	12,817
1986	20,768
1987	15,740
1988	15,714
1989	11,397
1990	10,681
1991	12,339
1992	10,586
1993	7,971
1994	12,465
1995	12,448
1996	14,250
1997	19,197
1998	15,114
1999	14,107
2000	11,540
2001	12,821
2002	8,259
2003	5,621
2004	4,746
2005	3,782
2006	4,103
2007	3,457
2008	2,060
2009	1,866
2010	1,764
2011	1,556
2012	2,064
2013	1,133
2014	1,263
2015	1,522
2016	1,621
2017	1,922