

Table 5. Spawning stock biomass, recruitment, abundance, and full F estimates from the non-migration SCA model.

Year	Female SSB (mt)	Recruitment (Millions of age-1 fish)	Total Age 1+ Abundance (Millions of fish)	Total Age 8+ Abundance (Millions of fish)	Full F
1982	19,112	37.9	56.5	1.8	0.171
1983	16,090	75.4	98.4	1.5	0.141
1984	16,211	65.6	103.1	1.3	0.066
1985	16,866	72.6	114.9	1.5	0.192
1986	15,369	69.9	118	1.7	0.051
1987	18,962	72.1	123.7	2.2	0.030
1988	25,288	97	152.3	2.6	0.035
1989	38,239	108	174.2	3.5	0.046
1990	44,866	126.3	202.3	5.7	0.061
1991	52,912	100.8	188.5	7	0.087
1992	67,439	108	194.1	8.2	0.105
1993	75,906	132.4	221	8.7	0.083
1994	85,180	283.5	382.1	9.3	0.109
1995	91,436	182.5	334.9	10.4	0.200
1996	101,396	232.2	378.3	10.7	0.263
1997	95,812	257.9	419.4	10.7	0.217
1998	87,835	144.3	322.2	10.1	0.227
1999	86,218	149.7	300.3	9.6	0.212
2000	97,695	127	267.5	10	0.211
2001	100,859	195.5	322.6	13.8	0.209
2002	112,163	224.7	366.7	14.1	0.225
2003	113,602	138.3	295.7	15.4	0.241
2004	109,072	312.2	449	16.5	0.267
2005	107,971	162.3	345.1	14.3	0.262
2006	101,869	136.4	293.2	12.9	0.309
2007	100,065	92.7	228.9	10.9	0.228
2008	106,656	129.2	242.3	11.7	0.241
2009	106,094	77.5	189.6	12.9	0.233
2010	106,261	104.9	198	11.9	0.273
2011	99,768	147.9	238.7	14.7	0.276
2012	98,798	214.4	316.4	13.2	0.272
2013	88,864	65.4	193.7	11.6	0.368
2014	78,999	92.6	184.9	8.8	0.283
2015	70,858	186.9	272.2	8.2	0.243
2016	73,924	239.6	351.3	7.1	0.278
2017	68,476	108.8	249.2	6.7	0.307