

Table 13: Predicted mature male (MMB), mature female (FMB), and males >101mm biomass (1000 t) and numbers (in millions) at the time of the survey from the chosen model. Columns 2-5 are subject to survey selectivity; columns 6-9 are the population values (i.e. the numbers at length are not modified by multiplying them by a selectivity curve—they are estimates of the underlying population). These are maximum likelihood estimates that will differ slightly from the median posterior values.

Survey year	FMB	MMB	Male >101 biomass	Male >101 (millions)	FMB	MMB	Male >101 biomass	Male >101 (millions)
1978	94.19	183.3	85.34	137	110	183.8	85.34	137
1979	130	167.7	75.47	113.3	155.5	169.2	75.47	113.3
1980	202.6	128.2	35.58	56.5	236.2	130.6	35.58	56.5
1981	225.7	125.2	14.55	26.67	259.1	128	14.55	26.67
1982	68.89	90.21	23.21	42.56	246	188.2	47.61	87.3
1983	60.54	135.8	63.18	108.6	215.4	281.4	129.6	222.8
1984	56.2	154.6	83.95	139.8	200.3	319.7	172.2	286.8
1985	60.15	142.5	76.35	126.5	215	295.3	156.6	259.5
1986	69.76	121.3	54.68	91.56	249.3	252.5	112.1	187.8
1987	99.32	118.2	39.87	69.22	356.4	248.1	81.78	142
1988	110.2	133.6	36.57	65.13	391.4	280.3	75.01	133.6
1989	220.4	213.7	60.94	109	448.9	349.4	98.35	175.9
1990	213.6	277.4	104.8	184	434.7	451.9	169.2	296.9
1991	185.1	261.2	93.14	161.6	376.7	425.3	150.3	260.9
1992	157.9	221.4	75.23	133.1	321.3	360.3	121.4	214.8
1993	189.6	191	65.68	111.9	386.2	312	106	180.6
1994	217.9	167.5	38.88	65.85	443.6	274.8	62.74	106.3
1995	207	188.9	38.52	68.85	421.3	309	62.16	111.1
1996	176.7	257.9	93.13	165.1	359.6	419.6	150.3	266.5
1997	144.8	299.5	146.4	248.8	294.7	486.1	236.3	401.5
1998	118.2	232.7	108.7	182.6	240.5	377.7	175.4	294.7
1999	103	153.8	57.61	97.7	209.6	250	92.97	157.7
2000	97.67	124.5	44.07	74.47	198.8	202.8	71.12	120.2
2001	88.82	106.2	33.92	57.97	180.8	173	54.74	93.56
2002	77.08	98.9	31.69	55.36	156.9	161	51.15	89.33
2003	69.61	101.4	39.9	68.86	141.7	165	64.4	111.1
2004	72.72	100.6	43.94	74.03	148.1	163.7	70.92	119.5
2005	87.72	96.69	38.96	65.41	178.6	157.8	62.88	105.6
2006	93.49	100.2	34.82	59.78	190.3	163.5	56.19	96.47
2007	93.24	119.8	44.62	77.68	189.8	195.2	72.01	125.3
2008	83.78	139.3	60.73	105	170.5	226.4	98	169.4
2009	71.23	147.2	72.35	122.3	145	238.9	116.8	197.4
2010	68.94	139.5	72.06	120.8	140.3	226.5	116.3	194.9
2011	70.99	120.5	59.66	99.43	144.5	195.8	96.27	160.5
2012	67.6	91.33	33.92	58.08	137.6	148.7	54.73	93.73
2013	66.47	83.07	27.06	48.04	135.3	135.4	43.66	77.52
2014	68.22	85.87	31.51	54.76	138.9	139.9	50.84	88.38
2015	67.3	80.25	27.12	46.73	137	130.8	43.76	75.42
2016	88.38	87.25	29.72	51.44	180	142.6	47.97	83.02