

Table B23a. ASAP BASE model results for January 1 biomass, spawning stock biomass (SSB), average F (unweighted, ages 5+), and recruitment (000s, age 1 fish), 1978-2011.

Year	Biomass Jan. 1	(mt) SSB	Favg. age 5-8	Recruitment Age 1 (000s)
1978	118945	83600	0.40	29399
1979	130430	93607	0.41	27836
1980	136837	96864	0.52	22073
1981	134210	90633	0.51	44386
1982	131938	85290	0.69	20472
1983	110035	75533	0.68	10357
1984	94391	64591	0.62	29539
1985	81683	55094	0.87	9211
1986	80074	49640	0.58	47147
1987	89884	59852	0.55	16436
1988	94936	68021	0.64	26484
1989	85008	64395	0.54	18656
1990	83209	63060	0.73	11028
1991	76140	47513	0.89	24732
1992	59873	38311	0.85	8319
1993	44115	30554	0.93	9970
1994	28960	20581	1.10	7082
1995	25102	19220	0.68	3913
1996	27254	21311	0.60	7142
1997	28706	20202	0.87	10299
1998	27481	20042	0.79	4766
1999	29153	21636	0.76	11895
2000	30976	22256	0.62	6106
2001	32877	25624	0.83	2605
2002	25761	20459	0.76	3962
2003	19435	14960	0.80	1256
2004	15164	11860	0.54	6959
2005	13465	10121	0.65	1526
2006	13471	10441	0.50	3985
2007	14835	10970	0.65	5848
2008	17117	11520	0.58	5327
2009	22168	14725	0.42	8079
2010	24447	17168	0.29	8136
2011	29077	22217	0.23	7334