

APPENDIX A2 – TABLES OF POPULATION SIZE AND MORTALITY RATE ESTIMATES FROM THE M-SHIFT FORMULATION OF NCAM

Table A2-1. Northern cod stock size estimates with lower (L) and upper (U) 95% confidence intervals (CI).

Year	2+ Abundance (000s)	2+Abundance L 95% CI	2+Abundance U 95% CI	2+Biomass (Kt)	2+Biomass L 95% CI	2+Biomass U 95% CI	SSB (Kt)	SSB L 95% CI	SSB U 95% CI	SSB/B _{lim}	SSB/B _{lim} L 95% CI	SSB/B _{lim} U 95% CI
1985	3,772	2,909	4,891	2,110	1,723	2,584	903	728	1,120	1.02	0.89	1.17
1986	3,106	2,449	3,939	2,049	1,679	2,500	836	677	1,033	0.95	0.83	1.08
1987	3,106	2,362	4,086	2,067	1,639	2,606	941	728	1,216	1.06	0.89	1.27
1988	3,156	2,423	4,111	1,713	1,409	2,083	886	711	1,106	1.00	0.85	1.18
1989	3,642	2,731	4,856	1,731	1,431	2,094	922	744	1,141	1.04	0.89	1.22
1990	3,502	2,590	4,734	1,859	1,497	2,310	862	673	1,104	0.97	0.80	1.19
1991	2,950	2,301	3,783	1,786	1,462	2,182	735	577	934	0.83	0.66	1.04
1992	1,721	1,269	2,335	1,028	792	1335	382	289	505	0.43	0.33	0.56
1993	491	356	677	263	196	355	101	71	145	0.11	0.08	0.16
1994	189	128	279	82	59	113	31	21	44	0.04	0.02	0.05
1995	74	51	106	26	21	33	10	8	12	0.01	0.01	0.01
1996	103	68	156	38	30	47	16	13	20	0.02	0.02	0.02
1997	117	81	169	47	39	57	21	18	24	0.02	0.02	0.03
1998	125	89	174	55	47	65	28	25	32	0.03	0.03	0.04
1999	162	115	227	65	56	76	35	31	38	0.04	0.03	0.05
2000	219	148	324	80	66	97	34	31	39	0.04	0.03	0.05
2001	248	162	380	84	68	105	30	26	34	0.03	0.03	0.04
2002	233	149	365	73	58	93	24	21	27	0.03	0.02	0.03
2003	183	124	269	59	47	74	22	19	25	0.03	0.02	0.03
2004	181	134	245	55	44	68	20	16	25	0.02	0.02	0.03
2005	194	150	252	78	65	95	25	21	30	0.03	0.02	0.04
2006	234	183	301	116	97	139	41	35	48	0.05	0.04	0.06
2007	292	224	381	157	131	187	81	69	96	0.09	0.08	0.11
2008	326	245	435	180	151	216	107	89	128	0.12	0.10	0.15
2009	354	258	485	192	157	234	105	86	127	0.12	0.10	0.15
2010	367	263	513	194	156	241	97	79	119	0.11	0.09	0.13
2011	362	270	487	179	148	216	91	75	109	0.10	0.09	0.12
2012	372	286	484	218	184	259	112	95	133	0.13	0.11	0.15

Year	2+ Abundance (000s)	2+Abundance L 95% CI	2+Abundance U 95% CI	2+Biomass (Kt)	2+Biomass L 95% CI	2+Biomass U 95% CI	SSB (Kt)	SSB L 95% CI	SSB U 95% CI	SSB/B _{lim}	SSB/B _{lim} L 95% CI	SSB/B _{lim} U 95% CI
2013	500	384	650	301	255	357	169	143	200	0.19	0.16	0.22
2014	749	548	1023	424	353	509	250	208	300	0.28	0.24	0.34
2015	894	636	1256	539	444	654	299	246	362	0.34	0.28	0.40