

Table 31. Gulf of Maine Atlantic cod fishing mortality-at-age from 1982 to 2018 as estimated from the $M = 0.2$ model.

Year	Age1	Age2	Age3	Age4	Age5	Age6	Age7	Age8	Age9 ⁺	F _{fall}
1982	0.032	0.221	0.560	0.665	0.679	0.680	0.680	0.680	0.680	0.680
1983	0.039	0.270	0.685	0.813	0.829	0.831	0.831	0.831	0.831	0.831
1984	0.035	0.240	0.609	0.724	0.738	0.740	0.740	0.740	0.740	0.740
1985	0.046	0.314	0.797	0.946	0.965	0.967	0.967	0.967	0.967	0.967
1986	0.039	0.272	0.689	0.819	0.835	0.837	0.837	0.837	0.837	0.837
1987	0.040	0.277	0.702	0.835	0.851	0.853	0.853	0.853	0.853	0.853
1988	0.031	0.213	0.540	0.641	0.654	0.655	0.655	0.655	0.656	0.655
1989	0.013	0.079	0.353	0.757	0.919	0.950	0.955	0.956	0.956	0.956
1990	0.016	0.099	0.441	0.945	1.147	1.186	1.192	1.193	1.193	1.193
1991	0.017	0.100	0.447	0.959	1.164	1.204	1.210	1.211	1.211	1.211
1992	0.018	0.109	0.485	1.039	1.261	1.304	1.311	1.312	1.312	1.312
1993	0.022	0.133	0.591	1.268	1.539	1.591	1.600	1.601	1.601	1.601
1994	0.020	0.121	0.538	1.152	1.399	1.447	1.455	1.456	1.456	1.456
1995	0.014	0.087	0.390	0.835	1.014	1.049	1.054	1.055	1.055	1.055
1996	0.014	0.082	0.366	0.784	0.952	0.985	0.990	0.991	0.991	0.991
1997	0.012	0.071	0.319	0.683	0.829	0.858	0.862	0.863	0.863	0.863
1998	0.010	0.063	0.281	0.603	0.732	0.757	0.761	0.762	0.762	0.762
1999	0.007	0.043	0.194	0.415	0.504	0.521	0.524	0.524	0.524	0.524
2000	0.009	0.052	0.231	0.495	0.601	0.621	0.624	0.625	0.625	0.625
2001	0.009	0.055	0.246	0.528	0.640	0.662	0.666	0.666	0.666	0.666
2002	0.007	0.044	0.196	0.421	0.511	0.528	0.531	0.531	0.532	0.531
2003	0.008	0.046	0.206	0.442	0.537	0.555	0.558	0.559	0.559	0.559
2004	0.009	0.054	0.239	0.513	0.622	0.643	0.647	0.647	0.647	0.647
2005	0.012	0.058	0.238	0.583	0.802	0.864	0.876	0.879	0.879	0.879
2006	0.008	0.038	0.158	0.386	0.532	0.572	0.581	0.582	0.583	0.582
2007	0.008	0.041	0.167	0.409	0.563	0.606	0.615	0.617	0.617	0.617
2008	0.011	0.054	0.223	0.546	0.752	0.809	0.821	0.823	0.824	0.823
2009	0.012	0.061	0.253	0.619	0.852	0.917	0.931	0.934	0.934	0.934
2010	0.014	0.068	0.282	0.691	0.951	1.024	1.039	1.042	1.043	1.042
2011	0.020	0.099	0.407	0.997	1.373	1.478	1.500	1.504	1.505	1.504
2012	0.022	0.111	0.458	1.120	1.542	1.661	1.685	1.690	1.691	1.690
2013	0.029	0.143	0.590	1.444	1.988	2.140	2.172	2.178	2.179	2.178
2014	0.029	0.146	0.602	1.474	2.029	2.185	2.217	2.224	2.225	2.224
2015	0.005	0.024	0.100	0.245	0.338	0.364	0.369	0.370	0.370	0.370
2016	0.006	0.030	0.124	0.304	0.419	0.451	0.458	0.459	0.459	0.459
2017	0.006	0.028	0.114	0.278	0.383	0.412	0.418	0.419	0.419	0.419
2018	0.002	0.012	0.051	0.125	0.172	0.185	0.188	0.188	0.188	0.188