

**Table 4.8. Cod in Subarea 4, Divisions 7.d and Subdivision 20: SAM final run estimated fishing mortality at age.**

Fishing mortality (F) at age							
Year\Age	1	2	3	4	5	6+	Fbar 2-4
1963	0.080	0.446	0.514	0.465	0.461	0.465	0.475
1964	0.089	0.479	0.561	0.504	0.497	0.499	0.515
1965	0.104	0.528	0.620	0.546	0.529	0.524	0.565
1966	0.109	0.541	0.630	0.543	0.528	0.525	0.571
1967	0.119	0.575	0.669	0.577	0.567	0.562	0.607
1968	0.131	0.611	0.706	0.610	0.597	0.584	0.642
1969	0.124	0.588	0.671	0.579	0.572	0.561	0.613
1970	0.144	0.640	0.711	0.601	0.585	0.565	0.651
1971	0.183	0.738	0.800	0.668	0.643	0.613	0.735
1972	0.215	0.810	0.859	0.714	0.688	0.653	0.794
1973	0.221	0.813	0.837	0.691	0.662	0.622	0.780
1974	0.219	0.794	0.796	0.655	0.633	0.598	0.748
1975	0.250	0.860	0.854	0.699	0.675	0.630	0.804
1976	0.286	0.932	0.913	0.731	0.705	0.651	0.859
1977	0.272	0.897	0.874	0.691	0.679	0.632	0.821
1978	0.305	0.969	0.971	0.770	0.755	0.691	0.903
1979	0.281	0.908	0.921	0.721	0.694	0.633	0.850
1980	0.312	0.973	1.006	0.790	0.744	0.674	0.923
1981	0.311	0.979	1.029	0.810	0.748	0.677	0.939
1982	0.348	1.066	1.152	0.919	0.839	0.753	1.046
1983	0.339	1.056	1.146	0.924	0.836	0.747	1.042
1984	0.307	0.990	1.072	0.880	0.797	0.713	0.981
1985	0.286	0.950	1.028	0.860	0.777	0.694	0.946
1986	0.298	0.983	1.082	0.927	0.831	0.738	0.997
1987	0.282	0.958	1.063	0.923	0.824	0.731	0.981
1988	0.284	0.968	1.088	0.944	0.834	0.734	1.000
1989	0.289	0.981	1.104	0.965	0.852	0.747	1.017
1990	0.262	0.922	1.027	0.895	0.784	0.684	0.948
1991	0.250	0.898	1.016	0.900	0.797	0.691	0.938
1992	0.240	0.879	1.009	0.899	0.793	0.675	0.929
1993	0.237	0.880	1.032	0.918	0.805	0.674	0.943
1994	0.237	0.884	1.065	0.938	0.820	0.676	0.962
1995	0.242	0.909	1.122	0.978	0.852	0.689	1.003
1996	0.228	0.885	1.133	1.002	0.898	0.721	1.007
1997	0.208	0.839	1.109	0.999	0.907	0.717	0.982
1998	0.209	0.843	1.147	1.044	0.947	0.733	1.011
1999	0.216	0.867	1.222	1.129	1.031	0.782	1.073
2000	0.211	0.857	1.223	1.142	1.040	0.769	1.074
2001	0.190	0.797	1.137	1.071	0.973	0.704	1.002
2002	0.176	0.756	1.085	1.023	0.928	0.662	0.955
2003	0.174	0.747	1.079	1.002	0.897	0.625	0.943
2004	0.167	0.721	1.040	0.939	0.844	0.580	0.900
2005	0.153	0.678	0.974	0.861	0.793	0.540	0.838
2006	0.135	0.621	0.877	0.761	0.717	0.484	0.753
2007	0.120	0.569	0.816	0.705	0.666	0.441	0.697
2008	0.109	0.534	0.780	0.673	0.648	0.427	0.662
2009	0.104	0.517	0.769	0.670	0.646	0.415	0.652
2010	0.085	0.449	0.671	0.587	0.566	0.359	0.569
2011	0.063	0.368	0.55	0.487	0.473	0.301	0.468
2012	0.056	0.335	0.503	0.448	0.43	0.268	0.429
2013	0.052	0.322	0.489	0.435	0.412	0.251	0.415
2014	0.051	0.315	0.485	0.43	0.403	0.242	0.410
2015	0.046	0.295	0.454	0.408	0.388	0.234	0.386
2016	0.041	0.271	0.413	0.371	0.349	0.208	0.352