

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

Year/Age	1	2	3	4	5	6+	Fbar 2-4
1963	0.091	0.475	0.519	0.475	0.476	0.523	0.490
1964	0.100	0.506	0.565	0.514	0.511	0.557	0.528
1965	0.118	0.557	0.626	0.555	0.541	0.580	0.579
1966	0.124	0.572	0.636	0.551	0.538	0.581	0.587
1967	0.134	0.604	0.673	0.583	0.578	0.620	0.620
1968	0.147	0.641	0.710	0.616	0.608	0.642	0.656
1969	0.139	0.618	0.675	0.587	0.586	0.620	0.627
1970	0.163	0.673	0.716	0.607	0.596	0.618	0.665
1971	0.208	0.772	0.799	0.669	0.647	0.660	0.747
1972	0.245	0.844	0.853	0.712	0.688	0.699	0.803
1973	0.256	0.853	0.836	0.693	0.664	0.667	0.794
1974	0.256	0.836	0.795	0.658	0.640	0.646	0.763
1975	0.291	0.899	0.848	0.699	0.679	0.675	0.815
1976	0.333	0.970	0.904	0.726	0.703	0.690	0.867
1977	0.317	0.935	0.867	0.686	0.682	0.675	0.829
1978	0.350	0.998	0.960	0.764	0.759	0.736	0.907
1979	0.328	0.942	0.919	0.720	0.700	0.676	0.860
1980	0.360	1.001	1.001	0.787	0.745	0.714	0.930
1981	0.358	1.006	1.027	0.810	0.749	0.717	0.948
1982	0.393	1.085	1.143	0.915	0.834	0.791	1.047
1983	0.384	1.077	1.139	0.923	0.833	0.784	1.046
1984	0.350	1.015	1.066	0.882	0.798	0.753	0.988
1985	0.326	0.976	1.023	0.865	0.780	0.735	0.955
1986	0.334	1.001	1.071	0.932	0.834	0.781	1.001
1987	0.313	0.973	1.051	0.928	0.826	0.774	0.984
1988	0.314	0.983	1.079	0.952	0.838	0.777	1.005
1989	0.319	0.993	1.092	0.972	0.857	0.792	1.019
1990	0.291	0.939	1.021	0.906	0.792	0.729	0.955
1991	0.275	0.910	1.006	0.911	0.808	0.739	0.942
1992	0.263	0.890	1.002	0.916	0.808	0.724	0.936
1993	0.256	0.883	1.020	0.930	0.815	0.717	0.944
1994	0.252	0.880	1.049	0.945	0.825	0.714	0.958
1995	0.253	0.898	1.101	0.978	0.851	0.720	0.992
1996	0.233	0.865	1.107	1.000	0.899	0.755	0.991
1997	0.213	0.822	1.093	1.009	0.919	0.756	0.975
1998	0.211	0.820	1.128	1.056	0.959	0.769	1.001
1999	0.211	0.823	1.182	1.127	1.030	0.807	1.044
2000	0.203	0.806	1.175	1.139	1.038	0.789	1.040
2001	0.182	0.752	1.096	1.079	0.979	0.727	0.976
2002	0.168	0.708	1.037	1.028	0.931	0.680	0.924
2003	0.163	0.692	1.024	0.998	0.891	0.636	0.905
2004	0.156	0.665	0.984	0.928	0.834	0.586	0.859
2005	0.143	0.626	0.921	0.849	0.786	0.548	0.799
2006	0.131	0.588	0.850	0.768	0.732	0.506	0.735
2007	0.118	0.544	0.801	0.721	0.690	0.465	0.689
2008	0.108	0.512	0.769	0.692	0.678	0.455	0.658
2009	0.103	0.496	0.761	0.693	0.681	0.444	0.650
2010	0.086	0.439	0.676	0.619	0.608	0.390	0.578
2011	0.067	0.367	0.564	0.524	0.521	0.336	0.485
2012	0.059	0.339	0.522	0.490	0.481	0.303	0.450
2013	0.057	0.329	0.514	0.483	0.466	0.286	0.442
2014	0.056	0.328	0.520	0.486	0.463	0.278	0.445
2015	0.054	0.317	0.504	0.479	0.463	0.278	0.433
2016	0.052	0.310	0.492	0.467	0.443	0.259	0.423
2017	0.055	0.323	0.517	0.491	0.458	0.263	0.444