

2014	2106480	969212	395132	122725	41250	13611	3733	1737
2015	1958780	685034	408534	164187	46152	13667	4035	1470
2016	1163550	637004	288226	168487	61587	15379	4088	1488
2017	1259680	378506	269355	121720	67064	22863	5358	1829
2018	500078	409775	160160	114553	49283	25660	8360	2522
2019	1397720	162699	173748	69136	48184	20017	10159	4236

Table 2.1.12. Eastern Baltic cod in SDs 24-32. Fishing mortality-at-age.

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1946	0.001	0.029	0.166	0.327	0.423	0.468	0.486	0.493	0.495	0.495	0.495	0.495	0.495	0.501
1947	0.001	0.037	0.214	0.422	0.546	0.604	0.627	0.636	0.639	0.639	0.639	0.639	0.639	0.645
1948	0.001	0.044	0.244	0.476	0.615	0.679	0.705	0.715	0.718	0.718	0.718	0.718	0.718	0.724
1949	0.001	0.043	0.238	0.462	0.595	0.657	0.682	0.691	0.694	0.695	0.695	0.695	0.695	0.700
1950	0.001	0.045	0.248	0.483	0.622	0.687	0.713	0.723	0.726	0.727	0.727	0.727	0.727	0.732
1951	0.001	0.045	0.249	0.486	0.626	0.691	0.718	0.728	0.731	0.731	0.732	0.732	0.732	0.736
1952	0.001	0.051	0.280	0.542	0.698	0.770	0.799	0.810	0.813	0.814	0.814	0.814	0.814	0.819
1953	0.001	0.037	0.205	0.398	0.513	0.566	0.587	0.595	0.598	0.598	0.598	0.598	0.598	0.603
1954	0.001	0.041	0.223	0.431	0.554	0.611	0.634	0.643	0.645	0.646	0.646	0.646	0.646	0.652
1955	0.001	0.037	0.205	0.398	0.514	0.567	0.589	0.597	0.599	0.600	0.600	0.600	0.600	0.606
1956	0.001	0.046	0.255	0.496	0.640	0.706	0.733	0.743	0.746	0.746	0.747	0.747	0.747	0.753
1957	0.002	0.059	0.316	0.609	0.782	0.862	0.895	0.907	0.910	0.911	0.912	0.912	0.912	0.919
1958	0.001	0.051	0.274	0.527	0.677	0.746	0.774	0.785	0.788	0.789	0.789	0.789	0.789	0.795
1959	0.002	0.054	0.295	0.568	0.730	0.805	0.836	0.847	0.851	0.851	0.852	0.852	0.852	0.857
1960	0.002	0.071	0.387	0.746	0.958	1.057	1.097	1.111	1.116	1.117	1.117	1.117	1.117	1.122
1961	0.002	0.056	0.310	0.602	0.776	0.856	0.889	0.901	0.904	0.905	0.905	0.905	0.905	0.911
1962	0.002	0.057	0.311	0.604	0.778	0.859	0.891	0.903	0.907	0.908	0.908	0.908	0.908	0.914
1963	0.002	0.061	0.336	0.650	0.837	0.923	0.959	0.971	0.975	0.976	0.977	0.977	0.977	0.982
1964	0.001	0.046	0.255	0.498	0.642	0.709	0.736	0.746	0.750	0.750	0.750	0.750	0.750	0.756
1965	0.001	0.044	0.248	0.486	0.628	0.693	0.720	0.730	0.733	0.734	0.734	0.734	0.734	0.739
1966	0.002	0.066	0.374	0.731	0.943	1.042	1.082	1.096	1.101	1.102	1.102	1.102	1.102	1.108
1967	0.002	0.064	0.360	0.702	0.906	1.001	1.040	1.054	1.058	1.059	1.059	1.059	1.059	1.066

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1968	0.002	0.068	0.373	0.725	0.934	1.030	1.070	1.084	1.089	1.090	1.090	1.090	1.090	1.096
1969	0.002	0.068	0.373	0.722	0.929	1.025	1.064	1.078	1.083	1.084	1.084	1.084	1.084	1.090
1970	0.002	0.068	0.369	0.712	0.916	1.010	1.048	1.062	1.067	1.068	1.068	1.068	1.068	1.074
1971	0.002	0.062	0.335	0.648	0.834	0.920	0.955	0.968	0.972	0.973	0.973	0.973	0.973	0.980
1972	0.002	0.055	0.304	0.592	0.763	0.842	0.874	0.886	0.890	0.891	0.891	0.891	0.891	0.898
1973	0.001	0.046	0.261	0.511	0.661	0.730	0.758	0.768	0.772	0.772	0.772	0.772	0.772	0.780
1974	0.001	0.037	0.205	0.402	0.520	0.575	0.597	0.605	0.608	0.608	0.608	0.608	0.608	0.615
1975	0.001	0.039	0.212	0.411	0.530	0.584	0.607	0.615	0.617	0.618	0.618	0.618	0.618	0.625
1976	0.001	0.034	0.202	0.401	0.521	0.576	0.599	0.607	0.610	0.610	0.611	0.611	0.611	0.618
1977	0.001	0.028	0.166	0.330	0.427	0.473	0.491	0.498	0.500	0.501	0.501	0.501	0.501	0.508
1978	0.001	0.028	0.146	0.276	0.354	0.389	0.404	0.409	0.410	0.411	0.411	0.411	0.411	0.418
1979	0.001	0.029	0.159	0.305	0.392	0.431	0.448	0.453	0.455	0.456	0.456	0.456	0.456	0.462
1980	0.001	0.040	0.206	0.388	0.495	0.543	0.563	0.570	0.573	0.573	0.573	0.573	0.573	0.580
1981	0.001	0.034	0.198	0.389	0.502	0.554	0.576	0.584	0.586	0.587	0.587	0.587	0.587	0.594
1982	0.001	0.035	0.192	0.373	0.480	0.530	0.550	0.557	0.559	0.560	0.560	0.560	0.560	0.567
1983	0.001	0.035	0.195	0.376	0.483	0.533	0.553	0.560	0.562	0.563	0.563	0.563	0.563	0.570
1984	0.001	0.042	0.246	0.488	0.633	0.700	0.728	0.738	0.741	0.742	0.742	0.742	0.742	0.749
1985	0.001	0.046	0.265	0.520	0.672	0.743	0.772	0.783	0.786	0.787	0.787	0.787	0.787	0.793
1986	0.001	0.048	0.288	0.576	0.750	0.830	0.863	0.876	0.879	0.880	0.880	0.880	0.880	0.886
1987	0.001	0.052	0.312	0.626	0.815	0.903	0.939	0.952	0.956	0.957	0.958	0.958	0.958	0.962
1988	0.001	0.056	0.325	0.643	0.834	0.923	0.960	0.973	0.978	0.979	0.979	0.979	0.979	0.983
1989	0.001	0.056	0.330	0.648	0.838	0.927	0.963	0.977	0.981	0.982	0.982	0.982	0.982	0.987
1990	0.002	0.069	0.381	0.745	0.965	1.069	1.112	1.128	1.133	1.134	1.134	1.134	1.134	1.139
1991	0.001	0.060	0.397	0.822	1.087	1.214	1.267	1.287	1.293	1.295	1.295	1.295	1.295	1.299
1992	0.001	0.031	0.199	0.428	0.578	0.653	0.685	0.697	0.701	0.702	0.703	0.703	0.703	0.706
1993	0.001	0.029	0.132	0.270	0.362	0.408	0.428	0.436	0.439	0.439	0.440	0.440	0.440	0.445
1994	0.001	0.041	0.224	0.420	0.561	0.633	0.665	0.677	0.681	0.683	0.683	0.683	0.683	0.688
1995	0.002	0.051	0.248	0.453	0.569	0.633	0.662	0.673	0.677	0.678	0.678	0.678	0.678	0.683
1996	0.002	0.061	0.340	0.685	0.892	0.987	1.034	1.053	1.059	1.061	1.062	1.062	1.062	1.067
1997	0.002	0.052	0.330	0.708	0.965	1.088	1.140	1.163	1.171	1.173	1.174	1.174	1.174	1.180

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1998	0.002	0.056	0.298	0.663	0.926	1.066	1.126	1.149	1.158	1.161	1.162	1.162	1.162	1.170
1999	0.002	0.051	0.294	0.670	0.989	1.168	1.253	1.287	1.298	1.302	1.303	1.303	1.303	1.312
2000	0.002	0.063	0.360	0.760	1.074	1.272	1.368	1.409	1.424	1.428	1.429	1.430	1.430	1.436
2001	0.002	0.055	0.356	0.765	1.066	1.250	1.352	1.397	1.414	1.420	1.421	1.421	1.421	1.428
2002	0.001	0.044	0.244	0.544	0.763	0.891	0.961	0.997	1.011	1.016	1.017	1.017	1.017	1.026
2003	0.001	0.042	0.245	0.533	0.772	0.910	0.982	1.018	1.035	1.041	1.043	1.043	1.043	1.051
2004	0.002	0.040	0.238	0.543	0.784	0.940	1.021	1.061	1.080	1.087	1.090	1.090	1.090	1.100
2005	0.002	0.045	0.206	0.437	0.623	0.736	0.801	0.832	0.847	0.852	0.854	0.855	0.855	0.864
2006	0.001	0.033	0.212	0.475	0.700	0.845	0.926	0.969	0.988	0.996	0.999	1.000	1.000	1.009
2007	0.001	0.018	0.145	0.374	0.566	0.699	0.778	0.819	0.840	0.849	0.852	0.853	0.854	0.866
2008	0.001	0.017	0.105	0.277	0.435	0.539	0.604	0.641	0.660	0.668	0.672	0.673	0.673	0.689
2009	0.001	0.021	0.116	0.265	0.417	0.521	0.583	0.620	0.639	0.649	0.652	0.654	0.654	0.673
2010	0.001	0.020	0.118	0.266	0.396	0.499	0.564	0.600	0.621	0.631	0.636	0.637	0.638	0.660
2011	0.001	0.019	0.123	0.302	0.457	0.570	0.652	0.702	0.729	0.744	0.751	0.754	0.755	0.776
2012	0.001	0.023	0.146	0.384	0.627	0.802	0.921	1.006	1.056	1.084	1.098	1.104	1.107	1.129
2013	0.001	0.015	0.096	0.263	0.454	0.612	0.719	0.792	0.843	0.873	0.889	0.898	0.901	0.925
2014	0.001	0.017	0.097	0.255	0.440	0.604	0.729	0.812	0.868	0.907	0.929	0.941	0.948	0.974
2015	0.001	0.018	0.100	0.250	0.424	0.583	0.712	0.806	0.869	0.911	0.940	0.956	0.964	0.990
2016	0.001	0.012	0.073	0.186	0.308	0.421	0.516	0.591	0.645	0.681	0.705	0.721	0.730	0.760
2017	0.001	0.011	0.064	0.165	0.273	0.367	0.447	0.511	0.561	0.597	0.620	0.636	0.646	0.678
2018	0.000	0.009	0.049	0.126	0.211	0.286	0.346	0.395	0.435	0.466	0.488	0.502	0.511	0.542

Table 2.1.13. Eastern Baltic cod in SDs 24-32. Catch scenarios.

Basis	Total catch (2020)	F (2020)	SSB (2020)	SSB (2021)	Probability of SSB (2021) > B _{lim} (%)	% SSB change
F= 0	0	0	64981	73447	<0.01	13
F=0.05	4195	0.05	63213	70069	<0.01	11
F=0.5*F (2018)	7735	0.10	61737	67337	<0.01	9
F=F (2018)	14762	0.21	58782	62364	<0.01	6