

Table 2.2.10 Cod in the Kattegat. Tuning data (from trawl surveys).

Havfisker_SD21_Q1				IBTS_Q3							
1997	2018			1997	2017						
1	1	0	0.25	1	1	0.75	0.83				
1	3			1	4						
	1	104.5521	24.10579	16.37002							
	1	-9	-9	-9	1	141.86	32.69	14.63	0.78		
	1	464.8633	25.74058	8.849065	1	141.92	38.42	1.57	0.92		
	1	97.61678	44.32915	5.524313	1	85.73	6.18	1.64	0.2		
	1	25.78994	30.09901	11.12194	1	-9	-9	-9	-9		
	1	98.273	16.65293	3.154041	1	6.03	2.11	0.46	0.12		
	1	8.341221	47.24216	5.778205	1	46.53	1.51	0.26	0.19		
	1	175.0556	11.18347	5.333215	1	1.7	4.5	0.13	0.05		
	1	83.14981	86.67933	2.545501	1	67.12	2.28	2.43	0.08		
	1	122.1756	39.54309	10.57858	1	12.17	10.94	0.08	0.26		
	1	28.87485	46.52737	8.608119	1	25.69	4.2	2.94	0.17		
	1	13.09734	6.648041	1.012895	1	5.33	4.22	1.15	0.62		
	1	16.21239	0.908864	0	1	1.94	0.47	0.07	0.15		
	1	38.50059	21.42233	1.388748	1	19.49	0.13	0	0.08		
	1	46.24852	15.00446	14.26268	1	2.5	1.28	0	0.08		
	1	86.61548	10.8254	1.844459	1	8.348	1.59	0.45	0		
	1	212.3437	51.34188	10.25782	1	8.29	1.25	0.05	0.583		
	1	98.78039	781.8792	12.40911	1	9.95	6.78	1.08	0.05		
	1	37.3475	17.53	15.1715	1	3.646	9.836	7.433	0.812		
	1	1.09	4.59	1.2	1	4.71	2.12	7.361	3.229		
	1	52.1	2.13	1.43	1	0.376	0.654	1.63	2.17		
	1	2.2	8.58	0.72	1	12.38	0.007	0.46	0.29		
IBTSQ1_1-6				CODS_Q4							
1997	2018			2008	2017						
1	1	0	0.25	1	1						
1	6			1	6						
	1	174.47	54.179	108.874	6.336	1.379	1.052				
	1	199.37	470.649	47.071	24.617	2.672	1.321				
	1	237.68	167.799	62.984	2.257	3.114	0.583				
	1	74.85	233.688	47.39	14.025	1.313	1.16				
	1	47.05	46.059	24.373	5.276	1.692	0.748				
	1	93.05	20.843	15.715	14.689	3.273	1.066				
	1	2.34	52.554	3.58	2.626	1.713	0.375				
	1	91.02	14.122	32.847	6.007	2.051	2.649				
	1	19.99	86.948	5.061	10.697	1.2	0.388				
	1	67.31	21.883	27.47	2.661	2.247	0.987				
	1	41.61	41.937	7.399	7.523	0.766	0.828				
	1	8.392	2.409	2.224	0.858	0.583	0.417				
	1	25.383	0.925	0.442	2.042	0	0.333				
	1	14.636	22.46	0.242	0.333	0.529	0.542				
	1	43.727	24.426	17.362	0.6	0.177	0.125				
	1	46.955	9.528	2.019	4.056	0	0.083				
	1	31.394	14.16	3.62	0.88	1.41	0.27				
	1	3.45	30.82	9.95	3.21	0.47	0.21				
	1	18.334	10.184	27.36	9.498	4.189	2.151				
	1	0.522	14.551	4.311	18.679	5.759	3				
	1	23.69	0.8	0.93	1.92	6.2	15.4				
	1	1.36	9.22	0.08	0.99	0.42	1.16				

Table 2.2.11 Cod in the Kattegat. Sam results with scaling.

Year	Recruits	Low	High	TSB	Low	High	SSB	Low	High	F35	Low	High
1997	15967	10789	23630	12645	11159	14328	10503	9180	12016	1.131	0.965	1.326
1998	13623	9041	20527	10503	9375	11766	7955	7021	9015	1.26	1.091	1.455
1999	13395	8775	20446	9412	8407	10537	7539	6751	8418	1.301	1.13	1.498
2000	7536	5064	11216	7150	6448	7928	5752	5177	6391	1.395	1.218	1.597
2001	6588	4509	9625	6216	5620	6875	4950	4454	5501	1.485	1.291	1.709
2002	11827	8197	17063	6001	5388	6683	4780	4257	5367	1.233	1.06	1.435
2003	2874	1919	4303	5061	4549	5631	4184	3758	4659	1.088	0.917	1.292
2004	17742	12248	25701	5310	4699	6002	3855	3413	4354	1.058	0.901	1.243
2005	8966	6200	12966	7361	6537	8288	4838	4321	5417	1.119	0.953	1.313
2006	9609	6532	14137	6996	6193	7903	5120	4529	5789	1.094	0.937	1.276
2007	2654	1751	4022	4484	4036	4980	3607	3239	4015	1.286	1.108	1.492
2008	1475	1016	2143	2464	2240	2711	2190	1976	2427	1.464	1.271	1.686
2009	4632	3197	6712	1266	1134	1415	904	814	1003	1.404	1.208	1.633
2010	4490	3105	6492	1338	1173	1528	775	688	874	1.093	0.895	1.336
2011	5469	3767	7939	1690	1472	1940	1105	959	1275	0.745	0.59	0.942
2012	12243	8359	17932	2253	1911	2657	1396	1179	1653	0.634	0.496	0.811
2013	17920	12098	26546	4075	3474	4780	2444	2058	2902	0.496	0.379	0.65
2014	5502	3599	8411	6357	5357	7544	3482	2906	4172	0.459	0.349	0.605
2015	3100	2095	4588	7789	6146	9873	5640	4392	7242	0.594	0.431	0.82
2016	672	387	1165	5342	3959	7207	4435	3221	6105	0.752	0.5	1.132
2017	5720	3344	9784	2972	2025	4362	2421	1577	3718	0.546	0.347	0.856
2018							2157	1213	3835			