

Sensitivity analyses for a model for Greenlandic halibut: Part 2

A.1. A common fish stock.

Table A.1 - A.7 present the results of the sensitivity analyses in the model with a common fish stock.

Table A.1: Sensitivity analysis for the carrying capacity.

Table A.2: Sensitivity analysis for the intrinsic growth rate.

Table A.3: Sensitivity analysis for the scaling factor for other fishing nations.

Table A.4: Sensitivity analysis for the high seas price.

Table A.5: Sensitivity analysis for the high seas cost parameter.

Table A.6: Sensitivity analysis for the coastal price.

Table A.7: Sensitivity analysis for the coastal cost parameter.

The results of the sensitivity analyses can be summarized in the following way:

- A. For $\mu = 1$, the coastal harvest and profit are higher than the high seas harvest and profit in the benchmark case. This result does not hold for the lower bound for the coastal price.
- B. When varying μ , the high seas harvest and profit become zero for a low value of the equity weight in the benchmark case. This result does not hold for the lower bound for the coastal price and the upper bound for the high seas price.

A.2. Two separate fish stocks.

Table A.8 - A.17 present the results of the sensitivity analyses in the model with two separate fish stocks.

Table A.8: Sensitivity analysis for the high seas carrying capacity.

Table A.9: Sensitivity analysis for the high seas intrinsic growth rate.

Table A.10: Sensitivity analysis for the scaling factor for other fishing nations.

Table A.11: Sensitivity analysis for the migration parameter.

Table A.12: Sensitivity analysis for the coastal carrying capacity.

Table A.13: Sensitivity analysis for the coastal intrinsic growth rate.

Table A.14: Sensitivity analysis for the high seas cost parameter.

Table A.15: Sensitivity analysis for the high seas price.

Table A.16: Sensitivity analysis for the coastal cost parameter.

Table A.17: Sensitivity analysis for the coastal price.

The results of the sensitivity analyses can be summarized in the following way:

- C. For $\mu = 1$, the high seas harvest and profit are higher than the coastal harvest and profit in the benchmark case. This result does not hold for the lower bound for the high seas carrying capacity, the lower bound for the high seas intrinsic growth rate, the upper bound for the coastal carrying capacity, the upper bound for the coastal intrinsic growth rate, the lower bound for the high seas price, and the upper bound for the coastal price.
- D. When varying μ , the decrease in the high seas harvest and profit and increase in the coastal harvest and profit are very low in the benchmark case. This result holds for all parameter variations.

Table A.1: Sensitivity analysis for the carrying capacity.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	88	23,387	0.0035	143	41,300	0.0035	264	76,161	0.0035
1.1	0	25,528	0	0	41,430	0	0	76,585	0
1.2	0	25,528	0	0	41,430	0	0	76,585	0
1.3	0	25,528	0	0	41,430	0	0	76,585	0
1.4	0	25,528	0	0	41,430	0	0	76,585	0
1.5	0	25,528	0	0	41,430	0	0	76,585	0
1.6	0	25,528	0	0	41,430	0	0	76,585	0
1.7	0	25,528	0	0	41,430	0	0	76,585	0
1.8	0	25,528	0	0	41,430	0	0	76,585	0
1.9	0	25,528	0	0	41,430	0	0	76,585	0
2.0	0	25,528	0	0	41,430	0	0	76,585	0
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	0.097	201.86	0.0048	1.57	328.66	0.0048	2.89	606.68	0.0048
1.1	0	202.86	0	0	329.13	0	0	608.60	0
1.2	0	202.86	0	0	329.13	0	0	608.60	0
1.3	0	202.86	0	0	329.13	0	0	608.60	0
1.4	0	202.86	0	0	329.13	0	0	608.60	0
1.5	0	202.86	0	0	329.13	0	0	608.60	0
1.6	0	202.86	0	0	329.13	0	0	608.60	0
1.7	0	202.86	0	0	329.13	0	0	608.60	0
1.8	0	202.86	0	0	329.13	0	0	608.60	0
1.9	0	202.86	0	0	329.13	0	0	608.60	0
2.0	0	202.86	0	0	329.13	0	0	608.60	0

Table A.2: Sensitivity analysis for the intrinsic growth rate.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	0	20,869	0	143	41,300	0.0035	4,672	54,003	0.09
1.1	0	20,869	0	0	41,430	0	2,501	57,401	0.04
1.2	0	20,869	0	0	41,430	0	362	60,685	0.006
1.3	0	20,869	0	0	41,430	0	0	61,241	0
1.4	0	20,869	0	0	41,430	0	0	61,241	0
1.5	0	20,869	0	0	41,430	0	0	61,241	0
1.6	0	20,869	0	0	41,430	0	0	61,241	0
1.7	0	20,869	0	0	41,430	0	0	61,241	0
1.8	0	20,869	0	0	41,430	0	0	61,241	0
1.9	0	20,869	0	0	41,430	0	0	61,241	0
2.0	0	20,869	0	0	41,430	0	0	61,241	0
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	0	179.64	0	1.57	328.66	0.0048	41.11	408.74	0.10
1.1	0	179.64	0	0	329.13	0	26.55	428.93	0.06
1.2	0	179.64	0	0	329.13	0	3.99	448.54	0.0089
1.3	0	179.64	0	0	329.13	0	0	451.85	0
1.4	0	179.64	0	0	329.13	0	0	451.85	0
1.5	0	179.64	0	0	329.13	0	0	451.85	0
1.6	0	179.64	0	0	329.13	0	0	451.85	0
1.7	0	179.64	0	0	329.13	0	0	451.85	0
1.8	0	179.64	0	0	329.13	0	0	451.85	0
1.9	0	179.64	0	0	329.13	0	0	451.85	0
2.0	0	179.64	0	0	329.13	0	0	451.85	0

Table A.3: Sensitivity analysis for the share allocated to other fishing nations.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	3,60	34,319	0.10	143	41,300	0.0035	0	41,430	0
1.1	3,25	37,200	0.09	0	41,430	0	0	41,430	0
1.2	1,12	39,988	0.03	0	41,430	0	0	41,430	0
1.3	0	41,430	0	0	41,430	0	0	41,430	0
1.4	0	41,430	0	0	41,430	0	0	41,430	0
1.5	0	41,430	0	0	41,430	0	0	41,430	0
1.6	0	41,430	0	0	41,430	0	0	41,430	0
1.7	0	41,430	0	0	41,430	0	0	41,430	0
1.8	0	41,430	0	0	41,430	0	0	41,430	0
1.9	0	41,430	0	0	41,430	0	0	41,430	0
2.0	0	41,430	0	0	41,430	0	0	41,430	0
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	55.24	280.07	0.20	1.57	328.66	0.0048	0	329.13	0
1.1	34.11	300.30	0.11	0	329.13	0	0	329.13	0
1.2	12.04	319.39	0.04	0	329.13	0	0	329.13	0
1.3	0	329.13	0	0	329.13	0	0	329.13	0
1.4	0	329.13	0	0	329.13	0	0	329.13	0
1.5	0	329.13	0	0	329.13	0	0	329.13	0
1.6	0	329.13	0	0	329.13	0	0	329.13	0
1.7	0	329.13	0	0	329.13	0	0	329.13	0
1.8	0	329.13	0	0	329.13	0	0	329.13	0
1.9	0	329.13	0	0	329.13	0	0	329.13	0
2.0	0	329.13	0	0	329.13	0	0	329.13	0

Table A.4: Sensitivity analysis for the high seas price.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	0	41,430	0	143	41,300	0.0035	11,497	22,528	0.51
1.1	0	41,430	0	0	41,430	0	9,015	26,667	0.34
1.2	0	41,430	0	0	41,430	0	6,688	30,523	0.22
1.3	0	41,430	0	0	41,430	0	4,464	34,182	0.12
1.4	0	41,430	0	0	41,430	0	2,307	37,702	0.06
1.5	0	41,430	0	0	41,430	0	193	41,119	0.0047
1.6	0	41,430	0	0	41,430	0	0	41,430	0
1.7	0	41,430	0	0	41,430	0	0	41,430	0
1.8	0	41,430	0	0	41,430	0	0	41,430	0
1.9	0	41,430	0	0	41,430	0	0	41,430	0
2.0	0	41,430	0	0	41,430	0	0	41,430	0
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	0	329.13	0	1.57	328.66	0.0048	169.13	192.82	0.877
1.1	0	329.13	0	0	329.13	0	135.95	240.67	0.56
1.2	0	329.13	0	0	329.13	0	103.27	252.73	0.41
1.3	0	329.13	0	0	329.13	0	70.27	278.97	0.25
1.4	0	329.13	0	0	329.13	0	37.19	303.64	0.12
1.5	0	329.13	0	0	329.13	0	3.17	327.11	0.01
1.6	0	329.13	0	0	329.13	0	0	329.13	0
1.7	0	329.13	0	0	329.13	0	0	329.13	0
1.8	0	329.13	0	0	329.13	0	0	329.13	0
1.9	0	329.13	0	0	329.13	0	0	329.13	0
2.0	0	329.13	0	0	329.13	0	0	329.13	0

Table A.5: Sensitivity analysis for the high seas cost parameter.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	213	41,086	0.0052	143	41,300	0.0037	107	41,257	0.0026
1.1	97	41,213	0.0024	0	41,430	0	0	41,430	0
1.2	0	41,430	0	0	41,430	0	0	41,430	0
1.3	0	41,430	0	0	41,430	0	0	41,430	0
1.4	0	41,430	0	0	41,430	0	0	41,430	0
1.5	0	41,430	0	0	41,430	0	0	41,430	0
1.6	0	41,430	0	0	41,430	0	0	41,430	0
1.7	0	41,430	0	0	41,430	0	0	41,430	0
1.8	0	41,430	0	0	41,430	0	0	41,430	0
1.9	0	41,430	0	0	41,430	0	0	41,430	0
2.0	0	41,430	0	0	41,430	0	0	41,430	0
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	2.34	326.88	0.0071	1.57	328.66	0.0048	1.17	328.04	0.0036
1.1	1.17	328.87	0.0027	0	329.13	0	0	329.13	0
1.2	0	329.13	0	0	329.13	0	0	329.13	0
1.3	0	329.13	0	0	329.13	0	0	329.13	0
1.4	0	329.13	0	0	329.13	0	0	329.13	0
1.5	0	329.13	0	0	329.13	0	0	329.13	0
1.6	0	329.13	0	0	329.13	0	0	329.13	0
1.7	0	329.13	0	0	329.13	0	0	329.13	0
1.8	0	329.13	0	0	329.13	0	0	329.13	0
1.9	0	329.13	0	0	329.13	0	0	329.13	0
2.0	0	329.13	0	0	329.13	0	0	329.13	0

Table A.6: Sensitivity analysis for the coastal price.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	16,368	13,869	1.18	143	41,300	0.0035	0	41,663	0
1.1	15,062	16,160	0.93	0	41,430	0	0	41,663	0
1.2	13,888	18,186	0.76	0	41,430	0	0	41,663	0
1.3	12,811	20,014	0.64	0	41,430	0	0	41,663	0
1.4	11,813	21,090	0.56	0	41,430	0	0	41,663	0
1.5	10,875	23,246	0.47	0	41,430	0	0	41,663	0
1.6	9,986	24,706	0.40	0	41,430	0	0	41,663	0
1.7	9,135	26,088	0.35	0	41,430	0	0	41,663	0
1.8	8,317	27,405	0.30	0	41,430	0	0	41,663	0
1.9	7,523	28,668	0.26	0	41,430	0	0	41,663	0
2.0	6,751	29,905	0.23	0	41,430	0	0	41,663	0
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	141.15	58.56	2.41	1.57	328.66	0.0048	0	523.77	0
1.1	132.38	66.93	1.98	0	329.13	0	0	523.77	0
1.2	124.23	74.02	1.68	0	329.13	0	0	523.77	0
1.3	116.53	80.18	1.45	0	329.13	0	0	523.77	0
1.4	109.15	85.65	1.27	0	329.13	0	0	523.77	0
1.5	101.99	90.59	1.13	0	329.13	0	0	523.77	0
1.6	94.98	95.11	1.00	0	329.13	0	0	523.77	0
1.7	88.07	98.86	0.89	0	329.13	0	0	523.77	0
1.8	81.22	103.26	0.79	0	329.13	0	0	523.77	0
1.9	74.38	106.92	0.70	0	329.13	0	0	523.77	0
2.0	67.52	110.43	0.61	0	329.13	0	0	523.77	0

Table A.7: Sensitivity analysis for the coastal cost parameter.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	0	41,737	0	143	41,300	0.0035	4,008	34,601	0.11583
1.1	0	41,737	0	0	41,430	0	2,146	37,526	0.005719
1.2	0	41,737	0	0	41,430	0	321	41,337	0.00796
1.3	0	41,737	0	0	41,430	0	0	40,826	0
1.4	0	41,737	0	0	41,430	0	0	40,826	0
1.5	0	41,737	0	0	41,430	0	0	40,826	0
1.6	0	41,737	0	0	41,430	0	0	40,826	0
1.7	0	41,737	0	0	41,430	0	0	40,826	0
1.8	0	41,737	0	0	41,430	0	0	40,826	0
1.9	0	41,737	0	0	41,430	0	0	40,826	0
2.0	0	41,737	0	0	41,430	0	0	40,826	0
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	0	359.271	0	1.57	328.66	0.0048	41.69	263.64	0.15794
1.1	0	359.271	0	0	329.13	0	30.50	281.18	0.12426
1.2	0	359.271	0	0	329.13	0	3.51	297.683	0.001179
1.3	0	359.271	0	0	329.13	0	0	301.169	0
1.4	0	359.271	0	0	329.13	0	0	301.169	0
1.5	0	359.271	0	0	329.13	0	0	301.169	0
1.6	0	359.271	0	0	329.13	0	0	301.169	0
1.7	0	359.271	0	0	329.13	0	0	301.169	0
1.8	0	359.271	0	0	329.13	0	0	301.169	0
1.9	0	359.271	0	0	329.13	0	0	301.169	0
2.0	0	359.271	0	0	329.13	0	0	301.169	0

Table A.8: Sensitivity analysis for the high seas carrying capacity.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	6,910	7,048	0.98	10,365	7,374	1.41	20,692	8,349	2.48
1.1	6,900	7,052	0.98	10,352	7,380	1.40	20,663	8,365	2.47
1.2	6,891	7,055	0.98	10,336	7,386	1.40	20,661	8,379	2.47
1.3	6,881	7,058	0.97	10,322	7,390	1.40	20,604	8,392	2.46
1.4	6,872	7,066	0.97	10,308	7,395	1.39	20,575	8,404	2.45
1.5	6,863	7,073	0.97	10,294	7,399	1.39	20,546	8,414	2.44
1.6	6,853	7,075	0.97	10,279	7,403	1.39	20,517	8,424	2.44
1.7	6,844	7,078	0.97	10,265	7,407	1.39	20,488	8,434	2.43
1.8	6,834	7,080	0.97	10,250	7,410	1.38	20,458	8,442	2.42
1.9	6,824	7,082	0.96	10,236	7,413	1.38	20,429	8,451	2.42
2.0	6,815	7,074	0.96	10,221	7,417	1.38	20,400	8,458	2.41
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	57.36	58.66	0.98	86.34	61.00	1.42	172.39	67.80	2.53
1.1	57.55	58.67	0.98	86.31	61.01	1.41	172.24	67.86	2.53
1.2	57.53	58.68	0.98	86.29	61.04	1.41	172.18	67.92	2.53
1.3	57.52	58.70	0.98	86.26	61.06	1.41	172.12	67.96	2.53
1.4	57.50	58.71	0.98	86.24	61.13	1.40	172.06	68.01	2.53
1.5	57.48	58.72	0.98	86.21	61.14	1.40	172.00	68.05	2.53
1.6	57.47	58.73	0.98	86.18	61.15	1.40	171.94	68.09	2.52
1.7	57.45	58.75	0.98	86.16	61.16	1.39	171.88	68.12	2.52
1.8	57.43	58.76	0.98	86.13	61.16	1.39	171.82	68.16	2.52
1.9	57.41	58.77	0.98	86.10	61.17	1.39	171.75	68.19	2.52
2.0	57.39	58.78	0.98	86.07	61.18	1.39	171.69	68.24	2.52

Table A.9: Sensitivity analysis for the high seas intrinsic growth rate.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	5,127	7,271	0.71	10,365	7,374	1.41	14,813	7,479	2.01
1.1	5,118	7,280	0.70	10,352	7,380	1.40	14,795	7,483	1.99
1.2	5,108	7,288	0.70	10,336	7,386	1.40	14,777	7,487	1.97
1.3	5,099	7,296	0.70	10,322	7,390	1.40	14,758	7,490	1.97
1.4	5,089	7,303	0.70	10,308	7,395	1.39	14,740	7,493	1.97
1.5	5,079	7,310	0.69	10,294	7,399	1.39	14,722	7,496	1.96
1.6	5,069	7,316	0.69	10,279	7,403	1.39	14,704	7,499	1.96
1.7	5,058	7,322	0.69	10,265	7,407	1.39	14,686	7,502	1.96
1.8	5,048	7,328	0.69	10,250	7,410	1.38	14,668	7,504	1.95
1.9	5,037	7,334	0.69	10,236	7,413	1.38	14,650	7,506	1.95
2.0	5,026	7,339	0.68	10,221	7,417	1.38	14,632	7,508	1.95
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	48.90	60.34	0.70	86.34	61.00	1.42	111.30	61.66	1.80
1.1	48.86	60.38	0.70	86.31	61.01	1.41	111.29	61.67	1.80
1.2	48.81	60.42	0.70	86.29	61.04	1.41	111.27	61.69	1.80
1.3	48.76	60.45	0.70	86.26	61.06	1.41	111.26	61.70	1.80
1.4	48.72	60.49	0.70	86.24	61.13	1.40	111.24	61.71	1.80
1.5	48.67	60.53	0.69	86.21	61.14	1.40	111.23	61.73	1.80
1.6	48.61	60.56	0.69	86.18	61.15	1.40	111.21	61.73	1.80
1.7	48.56	60.59	0.69	86.16	61.16	1.39	111.19	61.75	1.80
1.8	48.50	60.63	0.69	86.13	61.16	1.39	111.17	61.76	1.80
1.9	48.44	60.66	0.69	86.10	61.17	1.39	111.16	61.76	1.80
2.0	48.38	60.69	0.68	86.07	61.18	1.39	111.14	61.78	1.80

Table A.10: Sensitivity analysis for the scaling factor for other fishing nations.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	12,571	7,412	1.70	10,365	7,374	1.41	8,697	7,350	1.18
1.1	12,555	7,417	1.69	10,352	7,380	1.40	8,685	7,357	1.18
1.2	12,538	7,423	1.69	10,336	7,386	1.40	8,672	7,362	1.18
1.3	12,522	7,427	1.69	10,322	7,390	1.40	8,660	7,367	1.18
1.4	12,505	7,431	1.68	10,308	7,395	1.39	8,647	7,372	1.17
1.5	12,488	7,435	1.68	10,294	7,399	1.39	8,635	7,376	1.17
1.6	12,472	7,439	1.68	10,279	7,403	1.39	8,622	7,380	1.17
1.7	12,455	7,442	1.67	10,265	7,407	1.39	8,610	7,384	1.17
1.8	12,439	7,445	1.67	10,250	7,410	1.38	8,597	7,388	1.16
1.9	12,422	7,448	1.67	10,236	7,413	1.38	8,584	7,391	1.16
2.0	12,406	7,451	1.67	10,221	7,417	1.38	8,571	7,396	1.16
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	99.22	61.27	1.62	86.34	61.00	1.42	75.60	60.81	1.24
1.1	99.20	61.29	1.62	86.31	61.01	1.41	75.58	60.84	1.24
1.2	99.18	61.31	1.62	86.29	61.04	1.41	75.55	60.86	1.24
1.3	99.15	61.33	1.62	86.26	61.06	1.41	75.52	60.88	1.24
1.4	99.13	61.34	1.62	86.24	61.13	1.40	75.49	60.91	1.24
1.5	99.11	61.36	1.62	86.21	61.14	1.40	75.46	60.92	1.24
1.6	99.09	61.38	1.61	86.18	61.15	1.40	75.43	60.94	1.24
1.7	99.07	61.39	1.61	86.16	61.16	1.39	75.40	60.96	1.24
1.8	99.04	61.40	1.61	86.13	61.16	1.39	75.36	60.99	1.24
1.9	99.02	61.42	1.61	86.10	61.17	1.39	75.33	61.01	1.23
2.0	98.99	61.43	1.61	86.07	61.18	1.39	75.29	61.04	1.23

Table A.11: Sensitivity analysis for the migration parameter.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	10,644	6,887	1.55	10,365	7,374	1.41	10,089	7,839	1.31
1.1	10,638	6,889	1.54	10,352	7,380	1.40	10,060	7,871	1.31
1.2	10,631	6,891	1.54	10,336	7,386	1.40	10,044	7,882	1.31
1.3	10,624	6,892	1.54	10,322	7,390	1.40	10,022	7,892	1.31
1.4	10,617	6,893	1.54	10,308	7,395	1.39	9,999	7,901	1.31
1.5	10,610	6,895	1.54	10,294	7,399	1.39	9,977	7,910	1.31
1.6	10,604	6,896	1.54	10,279	7,403	1.39	9,954	7,918	1.30
1.7	10,597	6,897	1.54	10,265	7,407	1.39	9,932	7,926	1.30
1.8	10,590	6,898	1.54	10,250	7,410	1.38	9,909	7,933	1.30
1.9	10,583	6,899	1.53	10,236	7,413	1.38	9,886	7,940	1.30
2.0	10,577	6,900	1.53	10,221	7,417	1.38	9,863	7,947	1.30
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	87.96	57.49	1.53	86.34	61.00	1.42	84.68	64.42	1.31
1.1	87.96	57.50	1.53	86.31	61.01	1.41	84.63	64.47	1.31
1.2	87.95	57.50	1.53	86.29	61.04	1.41	84.58	64.52	1.31
1.3	87.95	57.51	1.53	86.26	61.06	1.41	84.52	64.56	1.31
1.4	87.94	57.51	1.53	86.24	61.13	1.40	84.47	64.60	1.31
1.5	87.93	57.51	1.53	86.21	61.14	1.40	84.41	64.64	1.30
1.6	87.93	57.52	1.53	86.18	61.15	1.40	84.35	64.68	1.30
1.7	87.92	57.52	1.53	86.16	61.16	1.39	84.29	64.72	1.30
1.8	87.91	57.53	1.53	86.13	61.16	1.39	84.22	64.76	1.30
1.9	87.90	57.53	1.53	86.10	61.17	1.39	84.16	64.79	1.30
2.0	87.89	57.54	1.53	86.07	61.18	1.39	84.09	64.83	1.30

Table A.12: Sensitivity analysis for the coastal carrying capacity.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	10,093	5,725	1.76	10,365	7,374	1.41	10,644	13,286	0.80
1.1	10,070	5,735	1.75	10,352	7,380	1.40	10,638	13,288	0.80
1.2	10,047	5,751	1.75	10,336	7,386	1.40	10,631	13,290	0.80
1.3	10,024	5,763	1.74	10,322	7,390	1.40	10,625	13,291	0.80
1.4	10,002	5,774	1.73	10,308	7,395	1.39	10,618	13,292	0.80
1.5	9,979	5,784	1.73	10,294	7,399	1.39	10,611	13,293	0.80
1.6	9,956	5,793	1.72	10,279	7,403	1.39	10,604	13,294	0.80
1.7	9,934	5,802	1.71	10,265	7,407	1.39	10,598	13,295	0.80
1.8	9,911	5,811	1.71	10,250	7,410	1.38	10,591	13,296	0.80
1.9	9,888	5,819	1.70	10,236	7,413	1.38	10,587	13,297	0.80
2.0	9,865	5,826	0.69	10,221	7,417	1.38	10,577	13,298	0.80
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	84.68	46.30	1.83	86.34	61.00	1.42	87.97	111.43	0.79
1.1	84.62	46.36	1.83	86.31	61.01	1.41	87.96	111.44	0.79
1.2	84.56	46.41	1.82	86.29	61.04	1.41	87.94	111.44	0.79
1.3	84.50	46.45	1.82	86.26	61.06	1.41	87.95	111.45	0.79
1.4	84.44	46.49	1.82	86.24	61.13	1.40	87.95	111.45	0.79
1.5	84.38	46.54	1.81	86.21	61.14	1.40	87.94	111.45	0.79
1.6	84.32	46.58	1.81	86.18	61.15	1.40	87.93	111.45	0.79
1.7	84.26	46.62	1.81	86.16	61.16	1.39	87.93	111.46	0.79
1.8	84.19	46.66	1.80	86.13	61.16	1.39	87.92	111.47	0.79
1.9	84.12	46.69	1.80	86.10	61.17	1.39	87.91	111.47	0.79
2.0	84.05	46.73	1.80	86.07	61.18	1.39	87.90	111.48	0.79

Table A.13: Sensitivity analysis for the coastal intrinsic growth rate.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	10,301	4,257	2.41	10,365	7,374	1.41	10,403	10,471	0.99
1.1	10,281	4,266	2.40	10,352	7,380	1.40	10,391	10,477	0.99
1.2	10,260	4,273	2.40	10,336	7,386	1.40	10,379	10,482	0.99
1.3	10,241	4,286	2.39	10,322	7,390	1.40	10,368	10,486	0.99
1.4	10,221	4,286	2.38	10,308	7,395	1.39	10,356	10,491	0.99
1.5	10,201	4,292	2.38	10,294	7,399	1.39	10,344	10,494	0.99
1.6	10,181	4,298	2.36	10,279	7,403	1.39	10,333	10,498	0.98
1.7	10,161	4,303	2.35	10,265	7,407	1.39	10,321	10,501	0.98
1.8	10,141	4,309	2.35	10,250	7,410	1.38	10,309	10,505	0.98
1.9	10,121	4,313	2.34	10,236	7,413	1.38	10,297	10,508	0.98
2.0	10,100	4,318	2.34	10,221	7,417	1.38	10,285	10,510	0.98
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	86.03	36.93	2.33	86.34	61.00	1.42	86.49	82.57	1.05
1.1	85.98	36.97	2.32	86.31	61.01	1.41	86.48	82.58	1.05
1.2	85.94	37.02	2.32	86.29	61.04	1.41	86.46	82.60	1.05
1.3	85.89	37.05	2.32	86.26	61.06	1.41	86.44	82.62	1.05
1.4	85.84	37.09	2.31	86.24	61.13	1.40	86.43	82.63	1.05
1.5	85.79	37.12	2.31	86.21	61.14	1.40	86.41	82.63	1.05
1.6	85.74	37.15	2.30	86.18	61.15	1.40	86.39	82.65	1.05
1.7	85.69	37.18	2.30	86.16	61.16	1.39	86.37	82.66	1.04
1.8	85.64	37.22	2.30	86.13	61.16	1.39	86.35	82.67	1.04
1.9	85.58	37.24	2.30	86.10	61.17	1.39	86.33	82.68	1.04
2.0	85.52	37.27	2.29	86.07	61.18	1.39	86.31	82.70	1.04

Table A.14: Sensitivity analysis for the high seas cost parameter.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	10,777	7,272	1.48	10,365	7,374	1.41	9,695	7,475	1.30
1.1	10,769	7,279	1.48	10,352	7,380	1.40	9,677	7,480	1.29
1.2	10,761	7,285	1.48	10,336	7,386	1.40	9,658	7,484	1.29
1.3	10,752	7,296	1.47	10,322	7,390	1.40	9,640	7,488	1.29
1.4	10,744	7,295	1.47	10,308	7,395	1.39	9,622	7,492	1.28
1.5	10,736	7,300	1.47	10,294	7,399	1.39	9,604	7,495	1.28
1.6	10,728	7,304	1.47	10,279	7,403	1.39	9,585	7,499	1.28
1.7	10,719	7,308	1.47	10,265	7,407	1.39	9,567	7,502	1.28
1.8	10,711	7,312	1.46	10,250	7,410	1.38	9,549	7,505	1.27
1.9	10,702	7,316	1.46	10,236	7,413	1.38	9,530	7,508	1.27
2.0	10,694	7,320	1.46	10,221	7,417	1.38	9,512	7,511	1.27
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	101.99	60.34	1.69	86.34	61.00	1.42	73.37	61.63	1.19
1.1	101.96	60.37	1.69	86.31	61.01	1.41	73.35	61.65	1.19
1.2	101.93	60.39	1.69	86.29	61.04	1.41	73.32	61.68	1.19
1.3	101.90	60.42	1.69	86.26	61.06	1.41	73.31	61.69	1.19
1.4	101.88	60.44	1.68	86.24	61.13	1.40	73.28	61.71	1.19
1.5	101.84	60.45	1.68	86.21	61.14	1.40	73.26	61.72	1.19
1.6	101.82	60.48	1.68	86.18	61.15	1.40	73.24	61.74	1.19
1.7	101.79	60.49	1.68	86.16	61.16	1.39	73.21	61.75	1.18
1.8	101.76	60.51	1.68	86.13	61.16	1.39	73.19	61.77	1.18
1.9	101.72	60.53	1.68	86.10	61.17	1.39	73.16	61.78	1.18
2.0	101.69	60.55	1.68	86.07	61.18	1.39	73.13	61.80	1.18

Table A.15: Sensitivity analysis for the high seas price.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	8,709	7,591	1.14	10,365	7,374	1.41	10,708	7,273	1.47
1.1	8,670	7,596	1.14	10,352	7,380	1.40	10,701	7,281	1.47
1.2	8,630	7,600	1.14	10,336	7,386	1.40	10,694	7,288	1.47
1.3	8,591	7,604	1.13	10,322	7,390	1.40	10,686	7,294	1.47
1.4	8,552	7,608	1.13	10,308	7,395	1.39	10,679	7,306	1.46
1.5	8,513	7,612	1.12	10,294	7,399	1.39	10,672	7,305	1.46
1.6	8,473	7,616	1.12	10,279	7,403	1.39	10,666	7,310	1.46
1.7	8,434	7,620	1.11	10,265	7,407	1.39	10,659	7,314	1.46
1.8	8,395	7,624	1.10	10,250	7,410	1.38	10,652	7,318	1.45
1.9	8,355	7,627	1.10	10,236	7,413	1.38	10,645	7,321	1.45
2.0	8,315	7,631	1.09	10,221	7,417	1.38	10638	7,325	1.45
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	31.46	62.32	0.50	86.34	61.00	1.42	144.94	60.43	2.40
1.1	31.44	62.35	0.50	86.31	61.01	1.41	144.91	60.46	2.40
1.2	31.41	62.36	0.50	86.29	61.04	1.41	144.88	60.49	2.40
1.3	31.32	62.39	0.50	86.26	61.06	1.41	144.85	60.52	2.40
1.4	31.35	62.41	0.50	86.24	61.13	1.40	144.82	60.53	2.40
1.5	31.32	62.43	0.50	86.21	61.14	1.40	144.79	60.55	2.39
1.6	31.29	62.46	0.50	86.18	61.15	1.40	144.77	60.57	2.39
1.7	31.25	62.48	0.50	86.16	61.16	1.39	144.74	60.59	2.39
1.8	31.21	62.51	0.50	86.13	61.16	1.39	144.71	60.60	2.39
1.9	31.17	62.53	0.50	86.10	61.17	1.39	144.69	60.62	2.39
2.0	31.31	62.55	0.50	86.07	61.18	1.39	144.66	60.63	2.39

Table A.16: Sensitivity analysis for the coastal cost parameter.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	10,318	7,439	1.39	10,365	7,374	1.41	10,406	7,282	1.43
1.1	10,300	7,444	1.38	10,352	7,380	1.40	10,394	7,288	1.43
1.2	10,282	7,449	1.38	10,336	7,386	1.40	10,382	7,294	1.42
1.3	10,265	7,454	1.38	10,322	7,390	1.40	10,371	7,299	1.42
1.4	10,247	7,458	1.37	10,308	7,395	1.39	10,359	7,304	1.42
1.5	10,229	7,462	1.37	10,294	7,399	1.39	10,348	7,308	1.42
1.6	10,211	7,466	1.37	10,279	7,403	1.39	10,336	7,312	1.41
1.7	10,194	7,476	1.36	10,265	7,407	1.39	10,325	7,315	1.41
1.8	10,175	7,473	1.36	10,250	7,410	1.38	10,313	7,319	1.41
1.9	10,157	7,477	1.36	10,236	7,413	1.38	10,301	7,322	1.41
2.0	10,139	7,480	1.36	10,221	7,417	1.38	10,290	7,325	1-40
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	86.15	65.30	1.32	86.34	61.00	1.42	86.50	56.98	1.52
1.1	86.11	65.32	1.32	86.31	61.01	1.41	86.48	56.99	1.52
1.2	86.08	65.35	1.32	86.29	61.04	1.41	86.47	57.01	1.52
1.3	86.05	65.38	1.32	86.26	61.06	1.41	86.45	57.02	1.52
1.4	86.01	65.40	1.32	86.24	61.13	1.40	86.43	57.04	1.52
1.5	85.97	65.43	1.31	86.21	61.14	1.40	86.41	57.05	1.51
1.6	85.93	65.46	1.31	86.18	61.15	1.40	86.39	57.06	1.51
1.7	85.89	65.48	1.31	86.16	61.16	1.39	86.37	57.08	1.51
1.8	85.85	65.50	1.31	86.13	61.16	1.39	86.35	57.09	1.51
1.9	85.81	65.53	1.31	86.10	61.17	1.39	86.33	57.10	1.51
2.0	85.76	65.55	1.31	86.07	61.18	1.39	86.31	57.11	1.51

Table A.17: Sensitivity analysis for the coastal price.

Harvest									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share	High seas (tons)	Coastal (tons)	High seas harvest share
1	10,491	7,098	1.48	10,365	7,374	1.41	10,252	7,444	1.38
1.1	10,486	7,110	1.47	10,352	7,380	1.40	10,227	7,450	1.37
1.2	10,481	7,119	1.47	10,336	7,386	1.40	10,202	7,455	1.37
1.3	10,475	7,127	1.47	10,322	7,390	1.40	10,176	7,466	1.36
1.4	10,470	7,135	1.47	10,308	7,395	1.39	10,151	7,465	1.36
1.5	10,465	7,141	1.47	10,294	7,399	1.39	10,125	7,470	1.36
1.6	10,460	7,146	1.46	10,279	7,403	1.39	10,099	7,475	1.35
1.7	10,455	7,151	1.46	10,265	7,407	1.39	10,055	7,479	1.35
1.8	10,450	7,156	1.46	10,250	7,410	1.38	10,046	7,484	1.34
1.9	10,445	7,160	1.46	10,236	7,413	1.38	10,019	7,488	1.34
2.0	10,441	7,164	1.46	10,221	7,417	1.38	9,992	7,493	1.33
Profit									
Equity weight	Lower bound			Benchmark value			Upper bound		
	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share	High seas (mill. DKK)	Coastal (mill. DKK)	High seas profit share
1	86.73	26.62	3.26	86.34	61.00	1.42	86.06	95.97	0.90
1.1	86.72	26.63	3.26	86.31	61.01	1.41	86.00	96.03	0.90
1.2	86.71	26.64	3.26	86.29	61.04	1.41	85.95	96.06	0.90
1.3	86.70	26.65	3.25	86.26	61.06	1.41	85.89	96.12	0.90
1.4	86.69	26.65	3.25	86.24	61.13	1.40	85.83	96.16	0.89
1.5	86.68	26.66	3.25	86.21	61.14	1.40	85.76	96.21	0.89
1.6	86.67	26.66	3.25	86.18	61.15	1.40	85.69	96.26	0.89
1.7	86.67	26.66	3.25	86.16	61.16	1.39	85.62	96.30	0.89
1.8	86.66	26.67	3.25	86.13	61.16	1.39	85.54	96.34	0.89
1.9	86.65	26.67	3.25	86.10	61.17	1.39	85.46	96.39	0.89
2.0	86.65	26.68	3.25	86.07	61.18	1.39	85.38	96.43	0.89