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Faroese Research Report 2022

by

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The present report represents information of Faroese fishing vessels operating in the NAFO Regulatory Area (NAFO-RA). The fishery targets mainly cod (*Gadus morhua*) in SA 3. Other species like Greenland halibut and redfish (*Sebastes* spp.) are also caught to a lesser extent. Official catch statistics are reported to NAFO by the Fisheries Inspection authorities (stored on STATLANT database). Collection of logbooks and biological measurements (fish length) of cod are provided by NAFO observers employed by the Faroese Ministry of Fisheries. Samples of fish length and weight measurements are also taken on board fishing vessels by crew members (non NAFO-observers).

Faroese landings of cod in NAFO SA 3 since 2010 are shown in table 1. Catches have fluctuated from 963 t. in 2021 to 4371 t. in 2019 which is the largest recorded since 2010. A total of 1081.1 t. was recorded in 2022. The number of fishing vessels operating in the NAFO area has varied between 4 and 13 from 2010 to 2022. From 2010 to 2012 most of the catch was taken by trawlers whereas the share of catches by longliners has increased substantially since 2015. The fishery is exclusively conducted by longliners since 2017. The Faroese quota of cod in 3M is 22.35% of the total. A complete list of catches by species from 2010 to 2022 is shown at the end of the document as an annex.

Table 1. Faroese landings (tons) of cod in SA3 from 2010 to 2022. Two rightmost columns show the split of total catches between longliners (LL) and trawlers (TR) (Source: Statlant)

Year	3L	3M	3N	Total	% LL	% TR
2010	0	1182.9	2.1	1185	0%	100%
2011	30.8	2211.4	0	2242.2	2%	98%
2012	3.7	2045.2	0.1	2049	2%	98%
2013	2.9	3144	0.6	3147.5	92%	8%
2014	25	3369.1	0	3394.1	27%	73%
2015	1.2	3318.6	1.5	3321.3	63%	37%
2016	0.6	3124.4	5.7	3130.7	75%	25%
2017	0	3164.6	0	3164.6	100%	0%
2018	0.1	2972.5	1.2	2973.8	100%	0%
2019	0	4370.5	0	4370.5	100%	0%
2020	0	2262.6	0.4	2263	100%	0%
2021	0	961.3	2.3	963.6	100%	0%
2022	0	1077.6	3.5	1081.1	100%	0%



The spatial distribution of the longline fishery for cod from 2013 to 2020 is shown in Figure 1. Longliners operate at average depths of 430 m. The catch profile with respect to depth is shown in figure 2. Trawlers operating in 3M from 2010 to 2016 were fitted with mesh sizes ranging from 135 mm to 150 mm in cod-ends. Catches are taken almost entirely in the direct fishery.

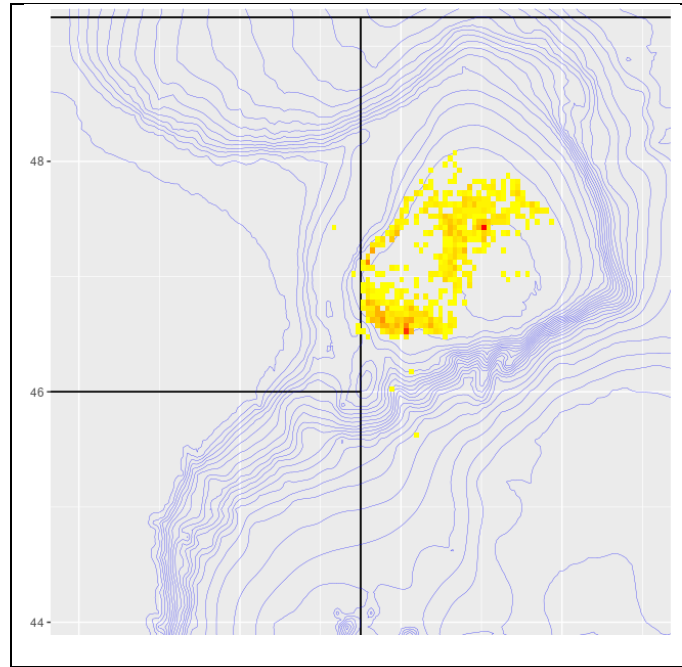


Figure 1. Spatial distribution of Faroese longline fishery for cod in SA3 (2013-2020).

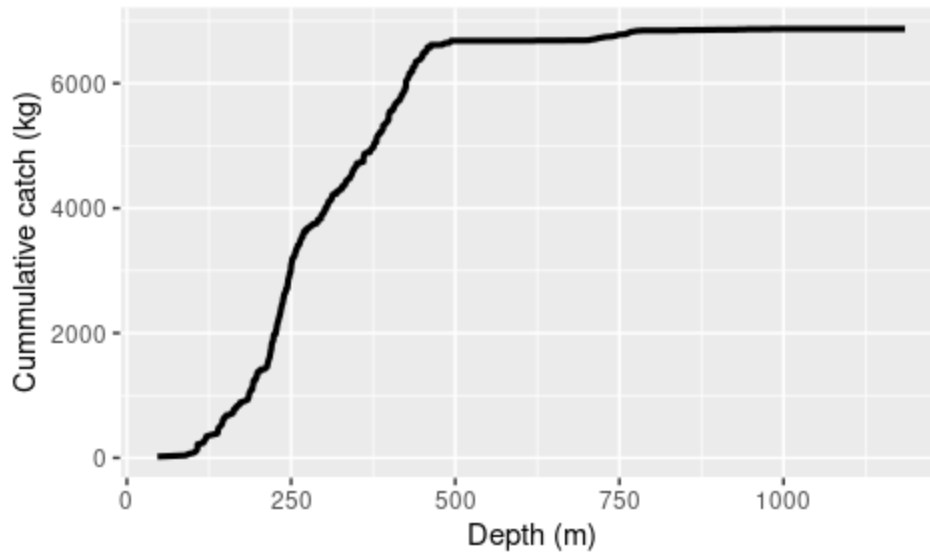


Figure 2. Relation between cumulative catch of cod (SA3) and average depth for Faroese vessels.

Average length and number of samples of cod in SA3 collected from Faroese vessels is shown in table 2. The largest number of length and weight samples was recorded in 2017 (84) whereas the number of individual length measurements was the highest in 2015 (5152). Samples from non-NAFO observers include individual weight measurements. Length distributions (sampled numbers) and the relation between weight and length of cod from 2014 to 2020 are presented in tables 3 and 4 and in figure 3. Mean length has varied from 59 cm in 2014 to 76 cm in 2017. No commercial samples were collected in 2021. However substantial sampling was recorded in the June-July longline survey of 2021 (SCR 22/012). In 2019 samples of Greenland halibut (*Reinhardtius hippoglossoides*) containing information on length distributions were collected in NAFO 3L (NAFO-observer). The length composition of Greenland halibut individuals is shown in figure 4 and table 5.

Table 2. Average length in cm (avg. L), number of individuals (nr. L), number of length (n_L) and weight (n_w) samples of cod (SA3) from Faroese vessels (2014 - 2022). No samples were taken from the fishery in 2021.

	2014	2015	2016	2017	2018	2019	2020	2022
avg. L(cm)	58.8	62.4	73.3	76.0	71.9	74.0	68.0	67.4
nr. L	1796	5152	4794	1546	2215	1012	2531	400
n _L	21	48	47	55	34	14	11	2
n _w	21	5	-	29	14	14	11	2

Table 3. Length distribution (cm) of cod (SA3) from Faroese fishery (2014 – 2020,2022).

cm	2014	2015	2016	2017	2018	2019	2020	2022
<30	0	2	0	0	3	0	1	0
32	8	0	1	0	0	0	2	0
33	0	1	0	0	4	0	2	0
34	0	1	1	0	5	0	9	0
35	0	1	0	0	3	0	6	0
36	1	3	0	0	12	0	12	0
37	0	0	0	0	15	0	8	0
38	8	0	0	2	18	0	15	0
39	6	0	0	4	20	4	28	0
40	10	2	0	0	14	3	2	2
41	5	3	0	1	28	4	21	2
42	18	1	1	2	17	0	13	1
43	26	9	2	6	29	10	17	0
44	28	4	0	0	18	0	10	2
45	39	8	3	1	36	24	10	4
46	49	7	5	13	22	8	19	6
47	50	45	3	1	49	4	24	4
48	71	124	12	6	41	2	22	4
49	78	75	21	16	40	3	37	11
50	106	92	30	2	12	8	22	25
51	87	172	46	2	24	5	26	16
52	87	178	38	3	21	16	31	23
53	76	209	52	2	27	8	19	10
54	91	297	78	2	24	12	29	24
55	70	278	66	14	29	8	20	13
56	53	341	106	13	23	15	24	2
57	49	285	105	22	35	29	20	6
58	38	307	128	32	35	18	41	5
59	36	344	143	27	47	17	34	4
60	50	262	187	32	22	22	55	10
61	43	252	176	49	44	19	63	3
62	44	164	225	41	37	9	92	1
63	41	183	199	45	49	16	89	2
64	35	140	184	59	42	38	73	11
65	45	111	164	32	44	16	83	19
66	52	95	137	31	43	9	61	2
67	48	75	166	62	38	17	63	12
68	26	69	185	56	44	42	81	6
69	22	71	112	38	54	31	83	10
70	33	60	211	70	32	33	99	9
71	28	62	105	67	49	28	82	6
72	19	62	102	59	36	20	60	8
73	17	31	79	49	43	23	83	6
74	13	46	82	54	40	45	77	6
75	16	34	99	30	41	19	71	13
76	13	50	71	43	35	28	55	4
77	4	27	61	21	35	26	38	3
78	12	22	53	14	52	26	86	7
79	8	32	54	21	49	12	48	6
80	6	22	62	14	24	32	58	15
81	10	29	50	13	30	8	38	4
82	4	22	49	24	21	22	27	5
83	4	17	36	19	28	17	26	2
84	6	23	41	10	18	15	32	8
85	15	13	30	14	34	15	32	6
86	5	28	25	19	13	24	17	3
87	5	32	48	16	30	18	22	3
88	7	16	37	22	16	11	14	3
89	3	28	28	10	32	10	19	5

90	5	18	50	18	17	7	15	4
91	2	22	40	20	35	12	25	2
92	7	12	24	17	19	1	8	3
93	5	18	32	16	18	7	6	1
94	5	13	30	19	30	10	16	3
95	2	14	53	9	19	4	9	1
96	5	11	38	18	35	10	14	1
97	4	7	36	14	31	6	6	0
98	11	15	51	16	27	6	18	1
99	5	10	36	14	21	20	11	0
100	2	16	49	17	23	10	10	2
101	4	5	37	24	22	1	5	0
102	3	16	36	17	22	1	8	1
103	3	11	27	12	15	7	9	0
104	1	14	20	10	13	5	4	1
105	1	9	31	6	18	8	10	2
106	0	3	17	3	14	3	2	0
107	1	9	15	4	17	2	5	0
108	1	4	18	9	11	4	1	0
109	0	3	18	8	10	9	8	0
110	2	13	35	10	16	5	2	0
110+	4	55	237	70	72	30	38	16

Table 4. Length-weight relationship of cod (SA3) from Faroese fishery (2014 – 2020,2022). Length (cm) and weight (kg).

cm	kg						
	2014	2015	2017	2018	2019	2020	2022
30				2.6			
31	0.25					0.62	
32	0.4						
33				2.6			
34						1.28	
35				2.85			
36				1.04		1.62	
37				1.1		1.3	
38	0.5			1.02		1.51	
39	0.51		1.66	1.52	1.2	2.73	
40	0.56			0.55	1	2.6	0.6
41	0.62			1.24	1.3	1.68	
42	0.69		2.06	0.77		1.07	
43	0.77		1.88	1.44		2.39	
44	0.8			0.78		2.8	
45	0.86	0.9	2	1.66	1.33	1.36	
46	0.94			1.17	1.1	1.53	
47	0.98	1		1.38	1.3	1.12	
48	1.03	1	3.19	2.33		3.75	
49	1.06	1	2.33	2.07	1.1	3	
50	1.12	1.23	1.98	1.48	1.55		
51	1.16	1.33		1.82	1.23	4.15	
52	1.2	1.44	2.16	2.32	1.5	2.45	
53	1.26	1.4	1.5	2.92	1.1	1.65	1.2
54	1.32	1.4		2.22	1.38	3.13	
55	1.41	1.6	1.92	2.8	1.4		1.4
56	1.43	1.59	1.81	2.24	1.82	2.98	
57	1.54	1.73	1.77	2.84	1.9	2.12	
58	1.65	1.72	1.91	3.09	1.63	2.57	

59	1.73	1.79	2.15	3.32	1.57	3.31	1.8
60	1.79	1.82	2.29	2.78	1.77	2.28	
61	2.03	1.98	2.34	2.65	1.77	3.92	2
62	2.01	2.05	2.38	2.77	2.2	4.09	2.03
63	2.17	2.16	2.42	3.32	2.47	4.07	2.2
64	2.19	2.23	2.72	2.85	2.21	4.04	2.18
65	2.31	2.9	2.71	3.1	2.26	4.12	2.23
66	2.53	2.6	2.82	3.89	2.4	2.74	2.4
67	2.84	3.71	3.19	4.46	2.62	3.52	2.47
68	2.66	3.67	3.05	4.34	2.79	3.55	2.8
69	2.91	3.05	3.4	4.33	2.77	3.95	2.45
70	2.88	3.27	3.16	4.06	2.88	5.32	3
71	3.08	4.54	3.43	4.45	3.02	4.63	2.87
72	3.27	4.99	3.54	4.32	3.16	5.34	2.78
73	3.27	3.58	3.93	5.81	3.09	5.37	3.28
74	3.4	4.45	3.95	4.2	3.32	4.36	3.3
75	3.35	4.75	4.52	4.74	3.58	4.59	4
76	3.66	4.55	4.31	4.8	3.46	6.94	3.4
77	3.59	4.56	4.95	6.09	3.86	5.35	3.65
78	4.35		4.36	5.58	4.12	3.87	3.8
79	3.87	4.98	5.13	5.85	4.07	7.4	
80	4.2	4.74	5.24	5.91	4.38		4.85
81	4.45	4.73	6.13	5.82	4.44	7.17	4.5
82	4.84	6.14	6.28	6.45	4.89	6.51	4.8
83	4.83	6.06	5.32	6.31	4.84	6.39	4.85
84	5.04	6.88	5.75	5.13	5.19		5
85	5.7	5.25	5.73	6.31	5.76	8.1	5
86	6.19	6.27	5.12	8.17	5.8	7.9	5.15
87	5.92	5.32	5.62	4.5	5.76		5.6
88	6.44	5.8	6.52	6.09	5.65	6.93	
89	8	6.18	6.15	6.53	6.28	6.99	5.9
90	7.11	5.6	6.77	6.6	6.67	6.84	6.1
91	8	6.91	7.43	7.08	6.63	8.45	6.5
92	7.76	6.2	8.43	7.12		6.79	
93	7.6	7.12	8	8.62	7.25		6.65
94	8		8.82	9.92	6.75	10.1	
95		7.6	8.24	8.64		9.75	
96	8.2	8.8	8.54	7.77	7.6	11.04	
97			9.01	9.59	10.53	11.9	
98	8.3		10.29	9.47	7.93	10.35	
99	11	8.96	9.67	10.45	9.63	12.05	
100	11.05	10.14	10.28	10.71	9.15	13.19	
101		9.95	11.21	11.31			
102	11	10.3	11.94	10.45	10	12.09	
103	11.2	12.72	11.74	12.99	9.3	13.56	11.5
104		12.84	12.91	15.63		16.1	
105			14.53	12.18	11.2	16.18	11
106			13.08	14.5	10.53	12.5	
107		14.11	11.24	11.69		15.8	
108	14.6	11.6	11.9	12.11	10.57		
110+	12.68	17.10	17.22	15.35	12.33	17.14	

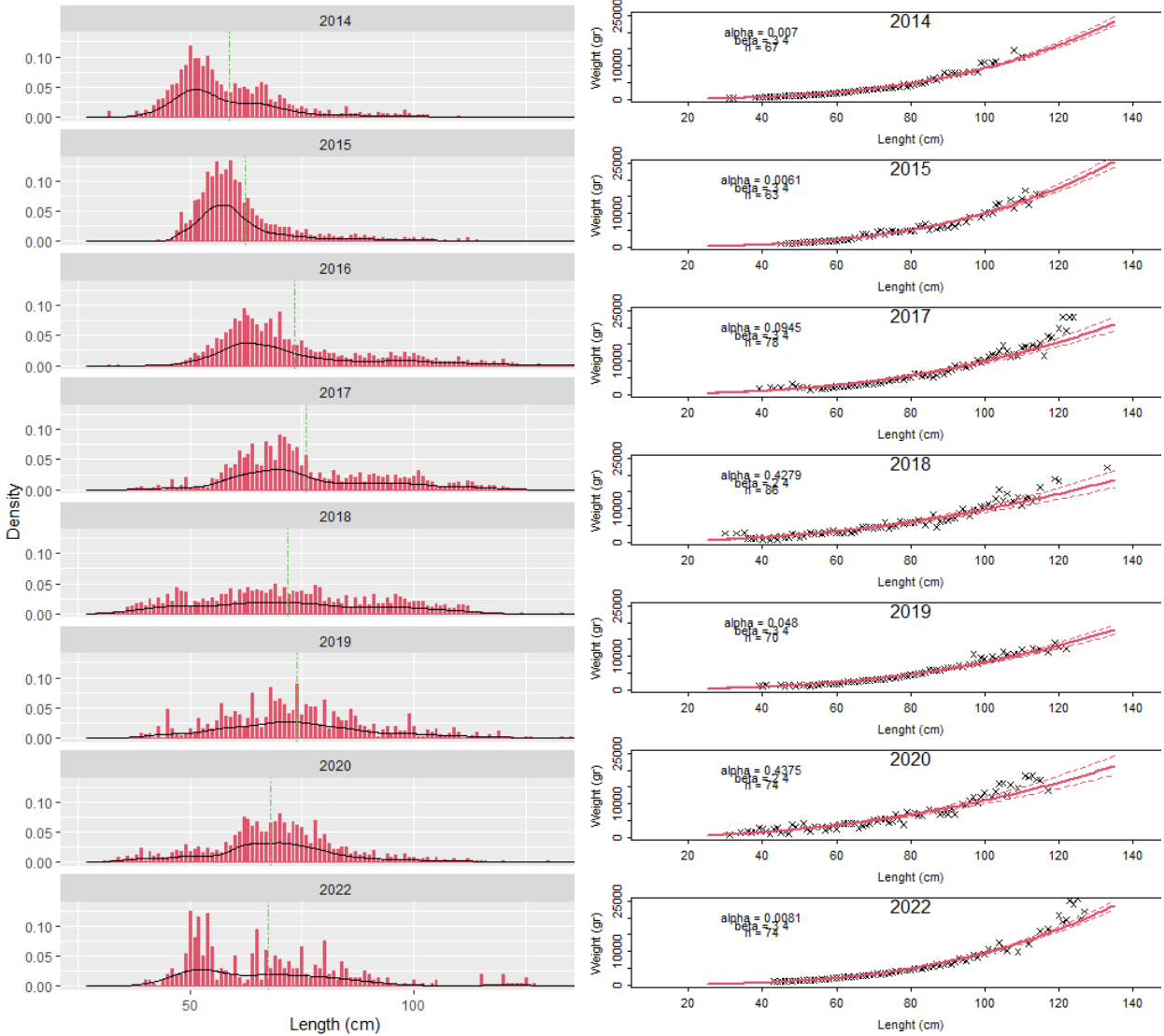
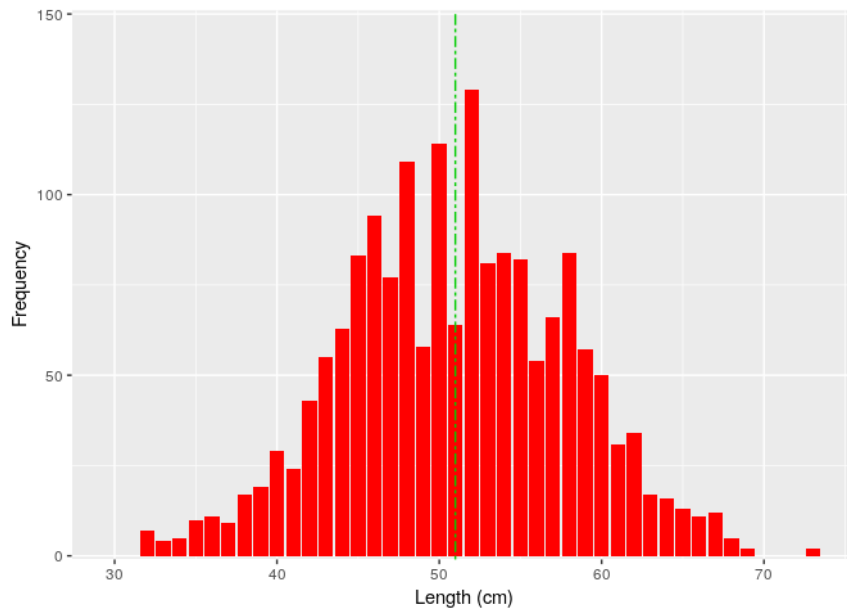


Figure 3. Length distribution and length-weight relation of cod (SA3) from Faroese fishery (2014 - 2022). Vertical green line shows average length. No samples were taken from the fishery in 2021.

Table 5. Length distribution (cm) of Grennland halibut (SA3) from Faroese fishery (2019).

Length(cm)	freq	Length(cm)	freq	Length(cm)	freq
30	0	49	58	68	5
31	0	50	114	69	2
32	7	51	64	73	2
33	4	52	129		
34	5	53	81		
35	10	54	84		
36	11	55	82		
37	9	56	54		
38	17	57	66		
39	19	58	84		
40	29	59	57		
41	24	60	50		
42	43	61	31		
43	55	62	34		
44	63	63	17		
45	83	64	16		
46	94	65	13		
47	77	66	11		
48	109	67	12		

**Figure 4.** Length distribution of Greenland halibut (SA3) from Faroese fishery (2019). Vertical green line shows average length.

Annex. Faroese catches (tons) in the NAFO regulatory area from 2010 to 2022. (Source: Statlant)

Year	Species	0B	1A	1B	1D	1F	2G	3L	3M	3N	3O	Total
2010	Atlantic cod	0	0	0	0		0	0	1183	2.1	0	1185
2010	Atlantic halibut	0	0	0	0	0	0	0	2.3	1.2	0	3.5
2010	Atlantic redfishes	0	0	0	0	0	0	0	121.9	19.7	0	141.6
2010	European plaice	0	0	0	0	0	0	0	3.7	0	0	3.7
2010	Flatfishes	0	0	0	0	0	0	0	0.7	0	0	0.7
2010	Greenland halibut	0	126.2	0	152.3	0	0	206.1	5.7	0.2	0	490.5
2010	Haddock	0	0	0	0	0	0	0	13	0	0	13
2010	Ling	0	0	0	0	0	0	0	0.2	0	0	0.2
2010	Northern prawn	0	0	0	0	0	0	2503	495.3	0	0	2998
2010	Whiting	0	0	0	0	0	0	0	1.8	0	0	1.8
2010	Wolffishes(=Catfishes)	0	0	0	0	0	0	0	9.7	0	0	9.7
2011	Atlantic cod	0	0	0	0	0	0	30.8	2211	0	0	2242.2
2011	Atlantic halibut	0	0	0	0	0	0	0.4	0.8	0.5	0	1.7
2011	Atlantic redfishes	0	0	0	0	0	0	26.9	420.3	5.3	0	452.5
2011	European plaice	0	0	0	0	0	0	0	0.2	0	0	0.2
2011	Greenland halibut	0	101.8	0	0	0	0	216.9	3.8	0.1	0	322.6
2011	Northern prawn	0	0	0	0	0	0	1447	0	0	0	1447
2011	Roundnose grenadier	0	0	0	0	0	0	0.4	0	0	0	0.4
2011	Wolffishes(=Catfishes)	0	0	0	0	0	0	0	0.5	0	0	0.5
2012	Atlantic cod	0	0	0	0	0	0	3.7	2045	0.1	0	2049
2012	Atlantic halibut	0	0	0	0	0	0	0.1	0.2	0.1	0	0.4
2012	Atlantic redfishes	0	0	0	0	0	0	28.5	148.7	2.2	0	179.4
2012	Greenland halibut	0	102.3	0	0	0	0	104.2	42.3	1.4	0	250.2
2012	Haddock	0	0	0	0	0	0	0	10.1	0	0	10.1
2012	Northern prawn	0	0	0	0	0	0	1037	0	0	0	1036.8
2012	Raja rays	0	0	0	0	0	0	0	0.2	0	0	0.2
2012	Roundnose grenadier	0	0	0	0	0	0	2.1	1.1	0	0	3.2
2013	Atlantic cod	0	0	0	0	0	0	2.9	3144	0.6	0	3147.5
2013	Atlantic halibut	0	0	0	0	0	0	0.1	9.3	0.1	0	9.5
2013	Atlantic redfishes	0	0	0	0	0	0	64.5	74.1	3.6	0	142.2
2013	Atlantic wolffish	0	0	0	0	0	0	0	5.3	0	0	5.3
2013	Greenland halibut	0	0	0	102	0	0	194.7	4.8	0	0	301.5
2013	Northern prawn	0	0	0	0	0	0	592.2	0	0	0	592.2
2013	Raja rays	0	0	0	0	0	0	0	0.1	0	0	0.1
2013	Roundnose grenadier	0	0	0	0	0	0	0.7	0	0	0	0.7
2013	Tusk	0	0	0	0	0	0	0	0.4	0	0	0.4
2013	Wolffishes(=Catfishes)	0	0	0	0	0	0	0	26.4	0	0	26.4
2014	Atlantic cod	0	0	0	0	0	0	25	3369	0	0	3394.1
2014	Atlantic halibut	0	0	0	0	0	0	0	10.6	0	0	10.6
2014	Atlantic redfishes	0	0	0	0	0	0	0	5.1	0	0	5.1
2014	Atlantic wolffish	0	0	0	0	0	0	0	0.5	0	0	0.5
2014	Greenland halibut	0	0	0	0	0	0	118.4	2.4	0	0	120.8
2014	Haddock	0	0	0	0	0	0	0	0.1	0	0	0.1
2014	Northern prawn	0	0	0	0	0	0	437	0	0	0	437
2014	Roundnose grenadier	0	0	0	0	0	0	1	0.4	0	0	1.4
2014	Wolffishes(=Catfishes)	0	0	0	0	0	0	0	9.2	0	0	9.2
2015	Atlantic cod	0	0	0	0	0	0	1.2	3319	1.5	0	3321.3

2015	Atlantic halibut	0	0	0	0	0	0	7.3	0.9	0	8.2
2015	Atlantic redfishes	0	0	0	0	0	30.9	75.4	32.6	0	138.9
2015	Atlantic wolffish	0	0	0	0	0	0	0.2	0	0	0.2
2015	Black scabbardfish	0	0	0	0	8.3	0	0	0	0	8.3
2015	Blue ling	0	0	0	0	0.6	0	0	0	0	0.6
2015	Dogfish sharks	0	0	0	0	0.3	0	0	0	0	0.3
2015	Greenland halibut	0	101.7	0	0	0	44.8	156.2	0	0	302.7
2015	Haddock	0	0	0	0	0	0	0.6	0	0	0.6
2015	Roundnose grenadier	0	0	0	0	0.3	0	0	0	0	0.3
2015	Tusk	0	0	0	0	0.3	0	0.4	0	0	0.7
2015	Wolffishes(=Catfishes)	0	0	0	0	0	0	4.7	0	0	4.7
2016	Atlantic cod	0	0	0	0	0	0.6	3124	5.7	0	3130.7
2016	Atlantic halibut	0	0	0	0	0	0	8.4	0	0	8.4
2016	Atlantic redfishes	0	0	0	0	0	20.4	70	43	0	133.4
2016	Greenland halibut	0	103.4	0	0	0	24.1	165	0	0	292.5
2016	Haddock	0	0	0	0	0	0	0.6	0	0	0.6
2016	Roundnose grenadier	0	0	0	0	0	0	0.3	0	0	0.3
2016	Tusk	0	0	0	0	0	0	0.1	0	0	0.1
2016	Wolffishes(=Catfishes)	0	0	0	0	0	0	0.5	0	0	0.5
2017	Atlantic cod	0	0	0	0	0	0	3165	0	0	3164.6
2017	Atlantic halibut	0	0	0	0	0	0	14.4	0	0	14.4
2017	Atlantic redfishes	0	0	0	0	0	0.1	1.8	0	0	1.9
2017	Greenland halibut	0	0	0	0	0	135.1	44.8	0	0	179.9
2017	Roundnose grenadier	0	0	0	0	0	0.6	0	0	0	0.6
2018	Atlantic cod	0	0	0	0	0	0.1	2973	1.2	0	2973.8
2018	Atlantic halibut	0	0	0	0	0	0	14.1	0	0	14.1
2018	Atlantic redfishes	0	0	0	0	0	15.3	69.9	69.7	0	154.9
2018	Greenland halibut	0	84.1	0	0	0	208.7	2.3	0	0	295.1
2018	Haddock	0	0	0	0	0	0	0.3	0	0	0.3
2018	Roundnose grenadier	0	0	0	0	0	0.5	0	0	0	0.5
2018	Tusk	0	0	0	0	0	0	0.2	0	0	0.2
2018	Wolffishes(=Catfishes)	0	0	0	0	0	0	2.1	0	0	2.1
2019	Atlantic cod	0	0	0	0	0	0	4371	0	0	4370.5
2019	Atlantic halibut	0	0	0	0	0	0	23.6	0	0	23.6
2019	Atlantic redfishes	0	0	0	0	0	0	0.6	0	0	0.6
2019	Greenland halibut	0	103	0	0	0	211.5	0	0	0	314.5
2019	Porbeagle	0	0	0	0	0	0	0.4	0	0	0.4
2019	Raja rays	0	0.4	0	0	0	0	1.8	0	0	2.2
2019	Roundnose grenadier	0	0.1	0	0	0	3.1	0	0	0	3.2
2019	Tusk	0	0	0	0	0	0	0.4	0	0	0.4
2019	Wolffishes(=Catfishes)	0	0	0	0	0	0	4	0	0	4
2020	Atlantic cod	0	0	0	0	0	0	2263	0.4	0	2263
2020	Atlantic halibut	0	0	0	0	0	0	14.2	14.7	0	28.9
2020	Atlantic redfishes	0	0	0	0	0	0.1	0	0	0	0.1
2020	Atlantic wolffish	0	0	0	0	0	0	0.1	0	0	0.1
2020	Blue shark	0	0	0	0	0	0	0	0.1	0	0.1
2020	Greenland halibut	0	104.8	0	0	0	206	14.2	0.1	0	325.1
2020	Haddock	3.4	0	0	0	0	0	0	0	0	3.4
2020	Raja rays	0	0	0	0	0	0	0	0.3	0	0.3
2020	Roundnose grenadier	0	0	0	0	0	1.2	1.8	0	0	3

2020	Tusk	0	0	0	0	0	0	0	1	0	0	1
2020	White hake	0	0	0	0	0	0	0	0	2.6	0	2.6
2020	Wolffishes(=Catfishes)	0	0	0	0	0	0	0	13.1	0.1	0	13.2
2021	Atlantic cod	1.5	0	0	0	193.4	0	0	961.3	2.3	0	1158.5
2021	Atlantic halibut	0	0	0	0	0	0	0	20.6	84.4	0.7	105.7
2021	Greenland halibut	0	75.4	0	0	0	0	210.3	0	0	0	285.7
2021	Atlantic redfishes	0	0	0	0	1.1	0	0	0	0	0	1.1
2021	Atlantic wolffish	0	0	0	0	1.1	0	0	0.6	0	0	1.7
2021	Haddock	2.7	0	0	0	0	0	0	0	0	0	2.7
2021	Ling	1.4	0	0	0	0	0	0	0	0	0	1.4
2021	Raja rays	0	0	0	0	0	0	0	0	0.5	0	0.5
2021	Roundnose grenadier	0	0.1	0	0	0	0	0	0	0.2	0	0.3
2021	Saithe(=Pollock)	0.2	0	0	0	0	0	0	0	0	0	0.2
2021	Tusk	0.4	0	0	0	0.6	0	0	2.2	0	0	3.2
2021	White hake	0	0	0	0	0	0	0	0	22.9	0.2	23.1
2021	Wolffishes(=Catfishes)	0	0	0	0	9.2	0	0	11.3	0	0	20.5
2022	Atlantic cod	0	0	0	0	0	0	0	1078	3.4	0	1081
2022	Atlantic halibut	0	0	0	0	0	0	0	20.2	140.7	0	160.9
2022	Atlantic redfishes	0	0	0	0	0	0	0	0	2.2	0	2.2
2022	Atlantic wolffish	0	0	0	0	0	0	0	1.8	0	0	1.8
2022	Greenland halibut	0	84	15.7	0	0	0	0	0	1	0	100.7
2022	Haddock	0	0	0	0	0	0	0	0.1	0	0	0.1
2022	Raja rays	0	0	0	0	0	0	0	0.1	3	0	3.1
2022	Roundnose grenadier	0	0	0	0	0	0	0	0	8.4	0	8.4
2022	Tusk	0	0	0	0	0	0	0	0.1	1.8	0	1.9
2022	White hake	0	0	0	0	0	0	0	0	31.9	0	31.9
2022	Wolffishes(=Catfishes)	0	0	0	0	0	0	0	2.8	0	0	2.8