



FISKERIDIREKTORATET

Key figures from Norwegian Aquaculture Industry 2018

Livet i havet - vårt felles ansvar

Rapport

Tittel (norsk/engelsk)-

Key figures from Norwegian Aquaculture Industry 2018

Årstall
2018

Ansvarlig avdeling:
Statistikkavdelingen

Emneord:
Akvakultur, havbruk,
oppdrett, statistikk

Arkivsaksnummer:

Dato utgitt:
11.07.2019

Totalt antall sider:
26

Saksansvarlig:
Merete Fauske

ISSN/ISSB:
1893-6946

Key figures from Norwegian Aquaculture Industry 2018

Summary:

This report presents key figures from the Norwegian Aquaculture Industry. The report contains information about all species farmed in Norway. The information is in four groups. One group contains information about Atlantic salmon and Rainbow trout. Another group contains information about other marine fish species, a third group contains information about molluscs, crustaceans and echinoderms and finally the fourth group contains information about algae.

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1. Licences

Source: The Directorate of Fisheries

Figure 1. The number of licences 2008-2018

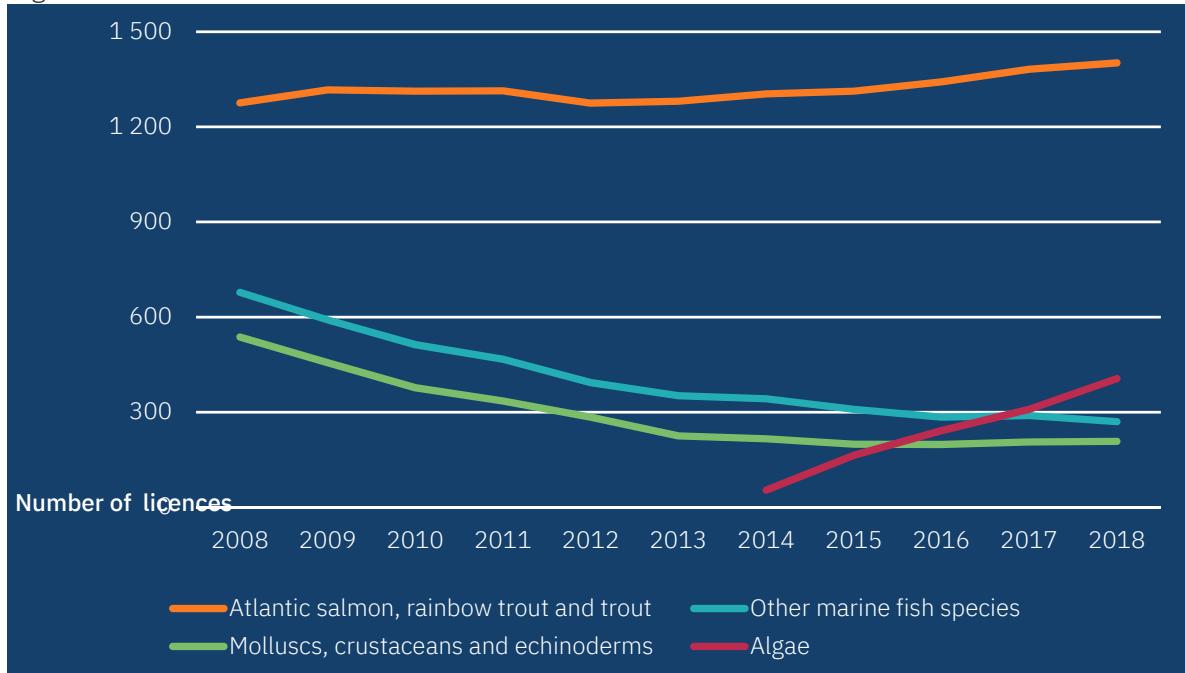
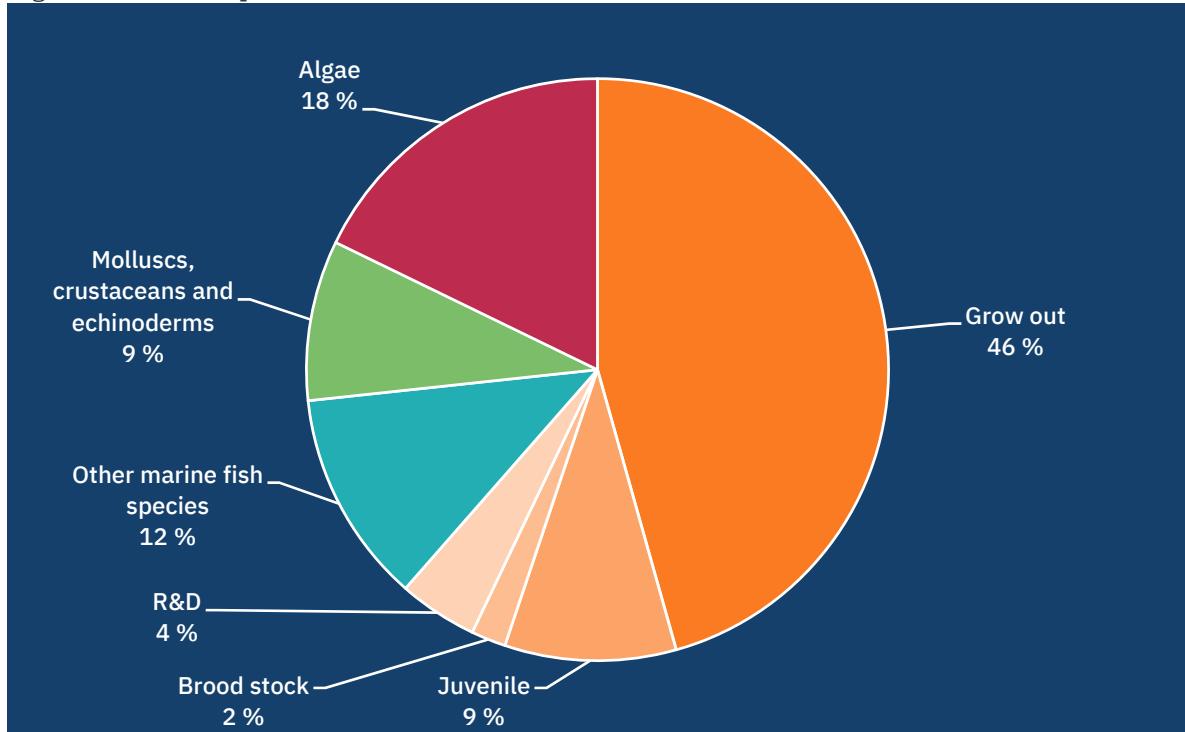


Figure 2. Licences per 31 December 2018



Be aware that grow out production, juvenile, brood stock and research (R&D) are licenses for production of Atlantic salmon, rainbow trout and trout.

Table 1. The number of licenses per 31 December 2018, Atlantic salmon, rainbow trout and trout.

	Juvenile	Grow out	Brood stock	R & D ¹⁾	Total
County	Number of licenses	Number of licenses	Number of licenses	Number of licenses	Number of licenses
Finnmark	6	99	0	5	110
Troms	12	109	2	8	131
Nordland	32	185	9	21	247
Trøndelag	34	170	9	21	234
Møre og Romsdal	33	116	6	6	161
Sogn og Fjordane	20	90	4	6	120
Hordaland	55	165	6	13	239
Rogaland	17	59	5	17	98
Vest-Agder	2	18	0	0	20
Aust-Agder	1	3	1	0	5
Øvrige Fylker	5	27	2	3	37
Total	217	1 041	44	100	1 402

1) Research (R&D)

Table 2. The number of licenses per 31 December 2018, other marine fish species, molluscs, crustaceans, echinoderms, sea ranching and algae.

	Fish	Molluscs, crustaceans and echinoderms	Sea Ranching	Algae
County	Number of licenses	Number of licenses	Number of licenses	Number of licenses
Finnmark	12	5	0	0
Troms	16	7	0	2
Nordland	44	37	0	124
Trøndelag	35	43	2	27
Møre og Romsdal	27	7	1	7
Sogn og Fjordane	18	10	0	76
Hordaland	64	49	0	159
Rogaland	24	17	4	2
Vest-Agder	7	5	2	9
Aust-Agder	3	19	0	0
Øvrige Fylker	20	9	0	0
Total	270	208	9	406

Table 3. The number of licenses per 31 December 2018 for other marine fish species, molluscs, crustaceans, echinoderms and algae distributed by species

Other marine fish species		Molluscs, crustaceans and echinoderms		Algae	
Species	No.	Species	No.	Species	No.
Atlantic haddock	20	Blue mussel	134	Sea belts	78
Atlantic halibut	70	European lobster	24	Tangle	70
Turbot	31	Great Atlantic scallop	40	Dabber locks	75
Wrasse	164	Sea urchin	31	Dulse	60
Lumpfish	72	Flat and cupped oyster	49	Other species	223
Arctic char	54	Other species	247		
Wolf fish	55				
Atlantic cod	81				
Other species	371				

The licenses for marine fish species, molluscs, crustaceans and echinoderms are comprised of several species. In “Table 3” licenses are counted several times. The total number of licenses in “Table 3” is therefore higher than the total number of licenses presented in “Table 2”.

2. Sites

Source: The Directorate of Fisheries

Table 4. The number of sites in seawater per 31 December 2018

	Atlantic salmon and rainbow trout	Other marine fish species	Molluscs, crustaceans and echinoderms	Algae
County	Number	Number	Number	Number
Finnmark	64	0	0	0
Troms	116	6	3	2
Nordland	219	13	35	10
Trøndelag	165	5	38	11
Møre og Romsdal	89	4	2	7
Sogn og Fjordane	93	3	9	16
Hordaland	188	9	36	25
Rogaland	72	2	6	11
Vest-Agder	7	0	2	1
Aust-Agder	2	0	18	0
Øvrige fylker	0	0	1	0
Total	1 015	42	150	83

Table 5. The number of sites at land per 31. December 2018, production for Atlantic salmon and rainbow trout.

County	Licenses for grow out		Licenses for juveniles	
	Freshwater	Salt water	Freshwater	Salt water
	Number	Number	Number	Number
Finnmark	0	0	6	0
Troms	0	0	9	0
Nordland	1	3	30	0
Trøndelag	2	0	28	0
Møre og Romsdal	2	4	23	2
Sogn og Fjordane	14	2	18	1
Hordaland	4	2	36	2
Rogaland	2	1	11	2
Vest-Agder	0	0	2	0
Aust-Agder	1	0	0	0
Øvrige fylker	12	1	5	0
Total	27	13	168	7

3. Licenses and companies with production

Source: The Directorate of Fisheries

Preliminary figures for 2018 (per May 2019)

Table 6. The number of companies with production of fish in 2018

County	Atlantic salmon, rainbow trout and trout		Other marine fish species	
	Grow out	Juvenile	Grow out	Juvenile
Finnmark	5	4	2	0
Troms	21	8	2	3
Nordland	37	15	12	12
Trøndelag	21	16	6	6
Møre og Romsdal	12	18	5	6
Sogn og Fjordane	17	11	4	3
Hordaland	31	27	5	5
Rogaland	15	11	2	2
Øvrige fylker	15	3	8	4
Total	174	113	46	41

Table 7. The number of companies with production of molluscs, crustaceans, echinoderms and algae in 2018

County	Molluscs, crustaceans and echinoderms	Algae
Finnmark	0	0
Troms	1	1
Nordland	4	5
Trøndelag	8	3
Møre og Romsdal	4	2
Sogn og Fjordane	3	1
Hordaland	13	7
Rogaland	5	0
Øvrige fylker	6	1
Total	44	20

4. Employment

Source: The Directorate of Fisheries

Preliminary figures for 2018 (per May 2019)

Figure 3. Number of employees working with production of fish, molluscs, crustaceans and echinoderms 2008-2018

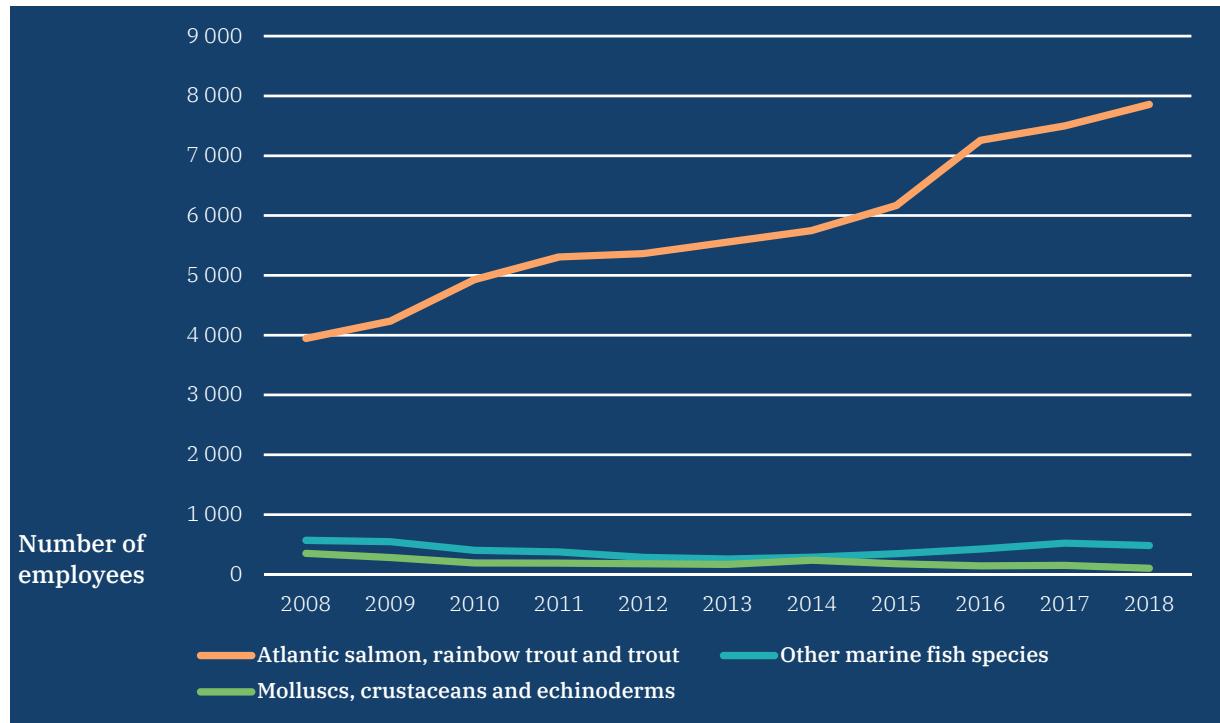
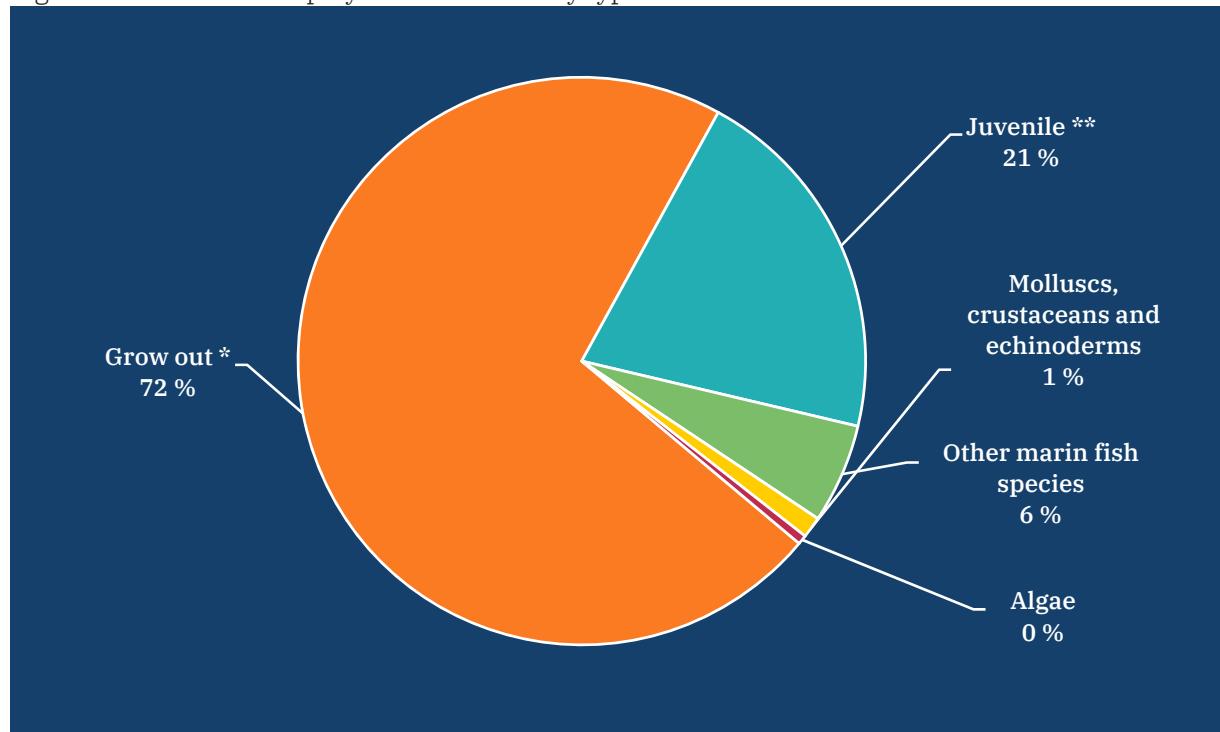


Figure 4. Number of employees distributed by type of license in 2018



* Grow out production of Atlantic salmon, rainbow trout and trout

** Juvenile production of Atlantic salmon, rainbow trout and trout

Atlantic salmon and rainbow trout

Preliminary figures for 2018 (per May 2019)

Table 8. Employment in the production of Atlantic salmon, rainbow trout and trout in 2018

County	Grow out fish, brood stock and R&D			Juvenile fish		
	Men	Women	Total	Men	Women	Total
Finnmark	450	73	523	51	23	74
Troms	767	120	887	84	20	104
Nordland	958	144	1 102	221	91	312
Trøndelag	1 043	166	1 209	228	104	332
Møre og Romsdal	454	51	505	149	76	225
Sogn og Fjordane	335	62	397	90	31	121
Hordaland	948	169	1 117	279	135	414
Rogaland	247	47	294	110	54	164
Øvrige fylker	62	6	68	8	3	11
Total	5 263	838	6 101	1 220	537	1 757

Table 9. Man-Hours¹⁾ in the production of Atlantic salmon, rainbow trout and trout in 2018

County	Grow out fish, brood stock and R&D			Juvenile fish		
	Men	Women	Total	Men	Women	Total
Finnmark	649 782	86 670	736 452	79 331	32 410	111 741
Troms	909 868	121 856	1 031 724	131 731	23 096	154 827
Nordland	1 429 020	159 737	1 588 757	342 778	119 733	462 511
Trøndelag	1 562 042	196 960	1 759 002	314 698	108 243	422 941
Møre og Romsdal	690 748	64 486	755 234	210 624	71 561	282 185
Sogn og Fjordane	459 676	86 241	545 917	107 189	31 906	139 095
Hordaland	1 290 178	175 724	1 465 902	353 065	126 811	479 876
Rogaland	322 628	35 082	357 710	133 208	58 679	191 887
Øvrige fylker	75 136	4 845	79 981	11 150	4 500	15 650
Total	7 389 078	931 601	8 320 679	1 683 774	576 939	2 260 713

1) The Directorate of Fisheries define the number of man-hour per year as 1845 hours

Other marine fish species

Preliminary figures for 2018 (per May 2019)

Table 10. Employment in the production of other marine fish species in 2018

County	Grow out production			Juvenile		
	Men	Women	Total	Men	Women	Total
Finnmark and Troms	7	0	7	13	14	27
Nordland	14	7	21	50	24	74
Trøndelag	16	4	20	34	22	56
Møre og Romsdal	9	3	12	24	12	36
Sogn og Fjordane	16	2	18	21	6	27
Hordaland	12	5	17	54	29	83
Rogaland and øvrige fylker	35	10	45	22	17	39
Total	109	31	140	218	124	342

Table 11. Man-Hours¹⁾ in the production of other marine fish species in 2018

County	Grow out production			Juvenile		
	Men	Women	Total	Men	Women	Total
Finnmark and Troms	7 410	0	7 410	18 118	17 010	35 128
Nordland	20 575	7 350	27 925	68 783	28 471	97 254
Trøndelag	10 668	3 000	13 668	43 749	29 658	73 407
Møre og Romsdal	15 083	5 090	20 173	39 274	19 999	59 273
Sogn og Fjordane	22 500	2 000	24 500	30 214	5 087	35 301
Hordaland	12 045	2 900	14 945	68 029	33 246	101 275
Rogaland and øvrige fylker	49 095	8 063	57 158	26 433	17 438	43 871
Total	137 376	28 403	165 779	294 600	150 909	445 509

1) The Directorate of Fisheries defines the number of man-hour per year as 1845 hours

Molluscs, crustaceans and echinoderms

Preliminary figures for 2018 (per May 2019)

Table 12. Employment in the production of molluscs, crustaceans and echinoderms in 2018

County	Employees			Man-Hours ¹⁾		
	Men	Women	Total	Men	Women	Total
Finnmark and Troms	:	:	:	:	:	:
Nordland	12	2	14	11 954	400	12 354
Trøndelag	29	9	38	24 304	13 760	38 064
Møre og Romsdal	5	3	8	1 000	200	1 200
Sogn og Fjordane	:	:	:	:	:	:
Hordaland	17	3	20	5 649	270	5 919
Rogaland and øvrige fylker	16	2	18	4 695	225	4 920
Total	83	20	103	47 962	15 005	62 967

1) The Directorate of Fisheries defines the number of man-hour per year as 1845 hours

Algae

Preliminary figures for 2018 (per May 2019)

Tabell 13. Employment in the production of algae in 2018

County	Employees			Man-Hours ¹⁾		
	Men	Women	Total	Men	Women	Total
Total	36	9	45	20 639	8 810	29 449

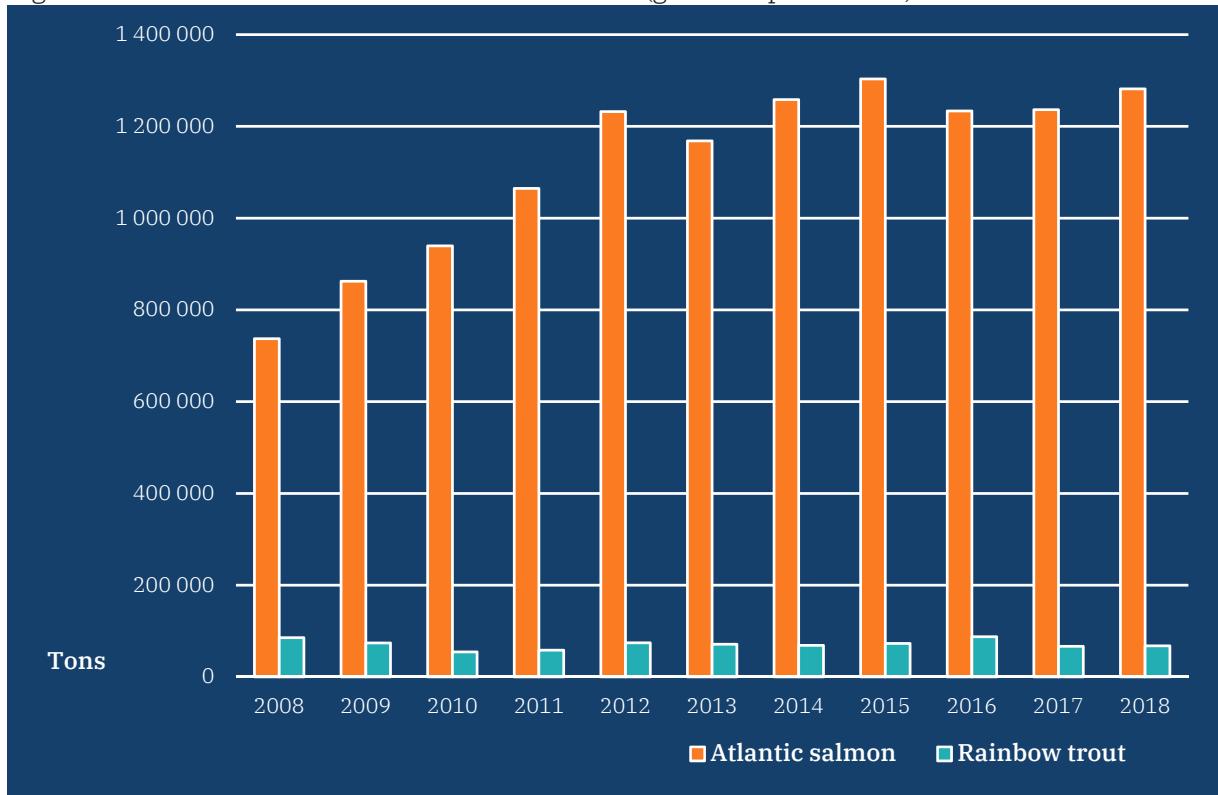
1) The Directorate of Fisheries defines the number of man-hour per year as 1845 hours

5. Sale

Source: The Directorate of Fisheries

Atlantic salmon and rainbow trout Preliminary figures for 2018 (per May 2019)

Figure 5. Sale of Atlantic salmon and rainbow trout (grow out production) 2008-2018



Tabell 14. Sale of Atlantic salmon and rainbow trout in 2018. Weight in metric tons round weight and value in 1000 NOK

County	Grow out production						
	Atlantic salmon			Rainbow trout			
	Weight	Value	Price per kg	Weight	Value	Price per kg	
Finnmark	113 476	5 740 770	50.59	0	0	-	
Troms	188 499	9 826 886	52.13	0	0	-	
Nordland	249 771	12 693 960	50.82	4 102	216 216	52.71	
Trøndelag	320 846	15 956 319	49.73	3 077	131 193	42.64	
Møre og Romsdal	78 306	4 171 467	53.27	11 460	516 071	45.03	
Sogn og Fjordane	81 688	3 847 037	47.09	14 272	616 801	43.22	
Hordaland	171 856	8 509 680	49.52	34 839	1 527 734	43.85	
Rogaland	64 019	3 185 060	49.75	0	0	-	
Øvrige fylker	13 411	651 422	48.57	136	6 225	45.67	
Total	1 281 872	64 582 599	50.38	67 886	3 014 240	44.40	

Figure 6. Sale of juvenile fish of Atlantic salmon and rainbow trout 2008-2018

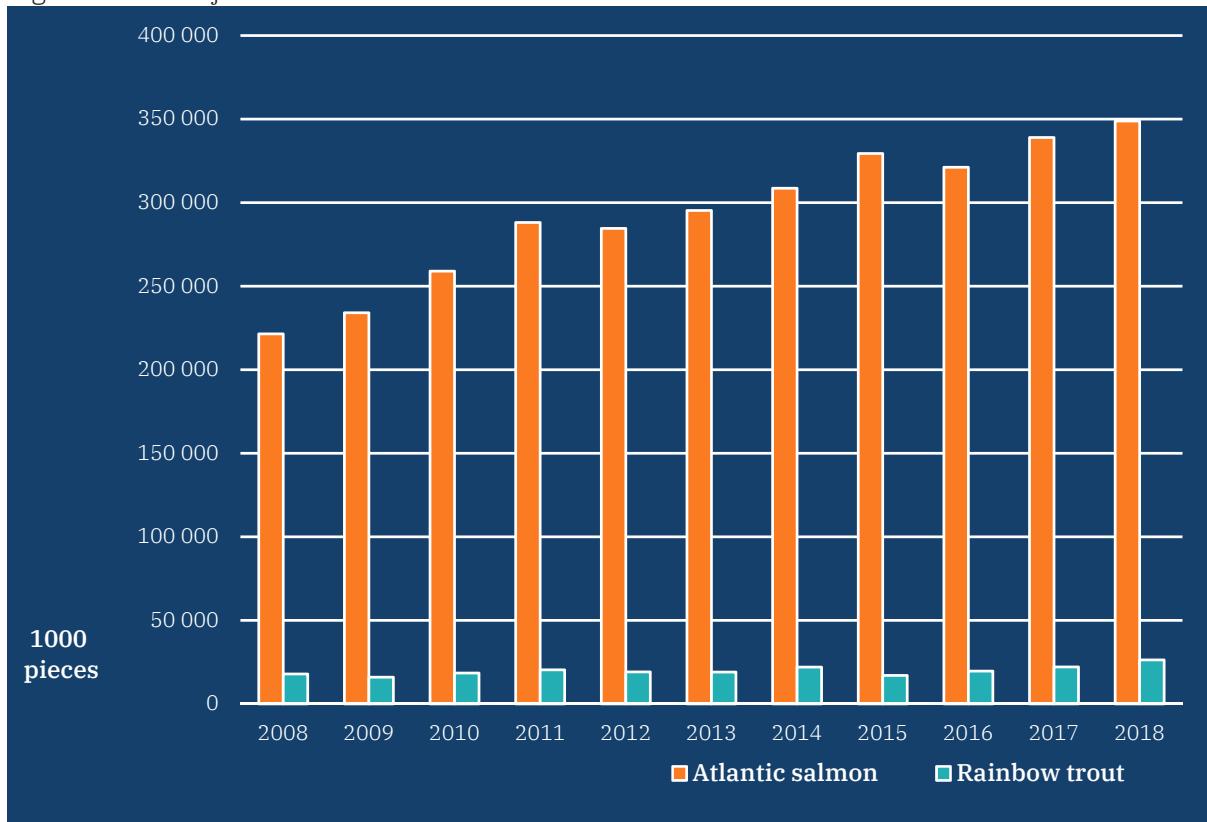


Table 15. Sale of juvenile fish of Atlantic salmon and rainbow trout in 2018. Quantity in 1000 pieces and value in 1000 NOK

County	Juvenile fish					
	Atlantic salmon			Rainbow trout		
	Number	Value	Price per fish	Number	Value	Price per fish
Finnmark and Troms	38 168	508 058	13.31	0	0	-
Nordland	96 418	1 213 430	12.59	927	11 333	12.23
Trøndelag	76 820	861 059	11.21	2 268	23 460	10.34
Møre og Romsdal	48 430	602 001	12.43	1 560	26 380	16.91
Sogn og Fjordane	14 897	209 643	14.07	5 813	69 044	11.88
Hordaland	57 085	893 194	15.65	12 386	137 689	11.12
Rogaland	14 680	209 777	14.29	3 068	43 282	14.11
Øvrige fylker	2 366	27 000	11.41	328	3 140	9.57
Total	348 864	4 524 162	12.97	26 350	314 328	11.93

Figure 7. Percentage of sale (Atlantic salmon and rainbow trout) for the 10 largest companies 2008-2018

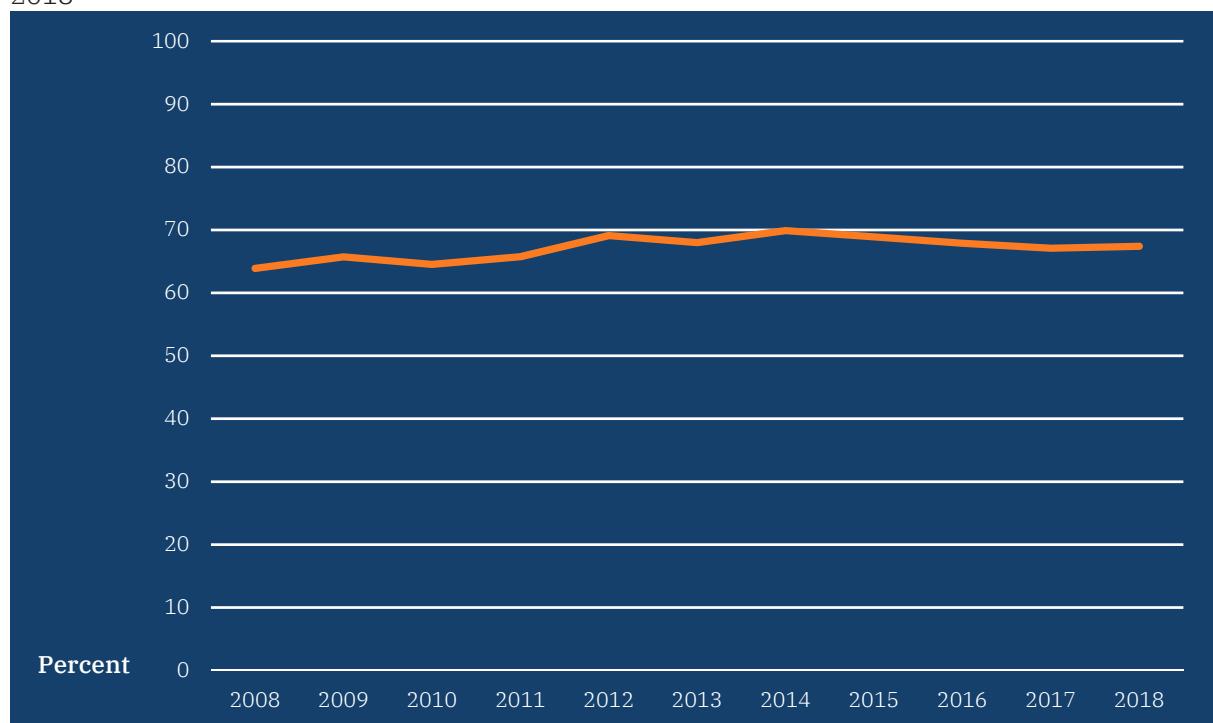


Table 16. Percentage of sale (Atlantic salmon and rainbow trout) for the 10 largest companies in Norway. Weight in tons.

Year	Total sale	10 largest	Percentage
2008	822 960	525 830	63.9
2009	936 980	615 803	65.7
2010	994 113	641 551	64.5
2011	1 123 340	739 357	65.8
2012	1 306 678	871 660	69.1
2013	1 239 762	843 165	68.0
2014	1 327 266	927 983	69.9
2015	1 376 267	948 319	68.9
2016	1 321 471	897 262	67.9
2017	1 303 352	874 016	67.1
2018	1 349 887	909 165	67.4

Other marine fish species

Preliminary figures for 2018 (per May 2019)

Figure 8. Sale of other marine fish species 2008-2018

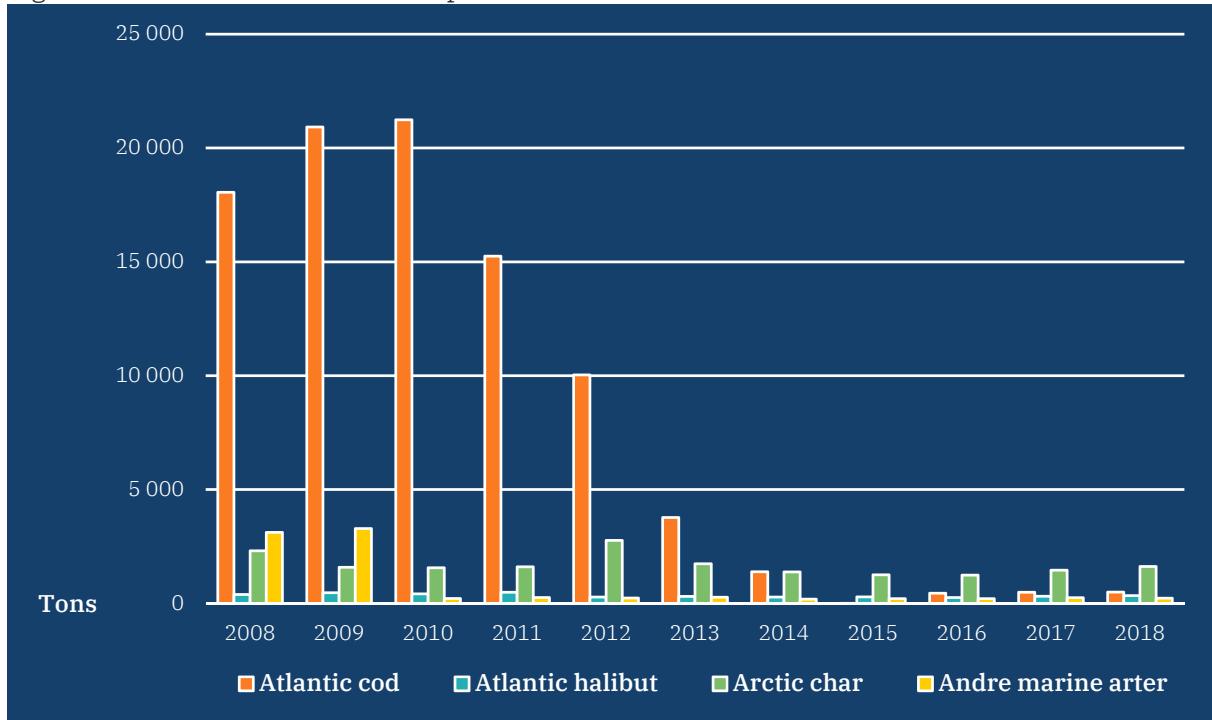


Table 17. Sale of other marine fish species in 2018. Weight in metric tons round weight and value in 1000 NOK

County	Weight	Value	Species	Weight	Value
Finnmark and Troms	51	2 582	Atlantic cod	495	13 107
Nordland	419	22 424	Arctic char	288	20 148
Trøndelag	137	3 750	Atlantic halibut	1 843	181 540
Møre og Romsdal	597	64 642	Other species	246	24 402
Sogn og Fjordane	230	9 695	Total	2 872	239 198
Hordaland	1	103			
Rogaland and øvrige fylker	1 437	136 002			
Total	2 872	239 198			

Table 18. Sale of juvenile of other marine fish species in 2018. Quantity in 1000 pieces and value in 1000 NOK

Species	Number	Value
Atlantic cod	0	0
Arctic char	1 183	5 910
Atlantic halibut	909	41 122
Other species	195	1 232
Total	2 287	48 264

Molluscs, crustaceans and echinoderms

Preliminary figures for 2018 (per May 2019)

Figure 9. Gross sale of molluscs, crustaceans and echinoderms 2008-2018

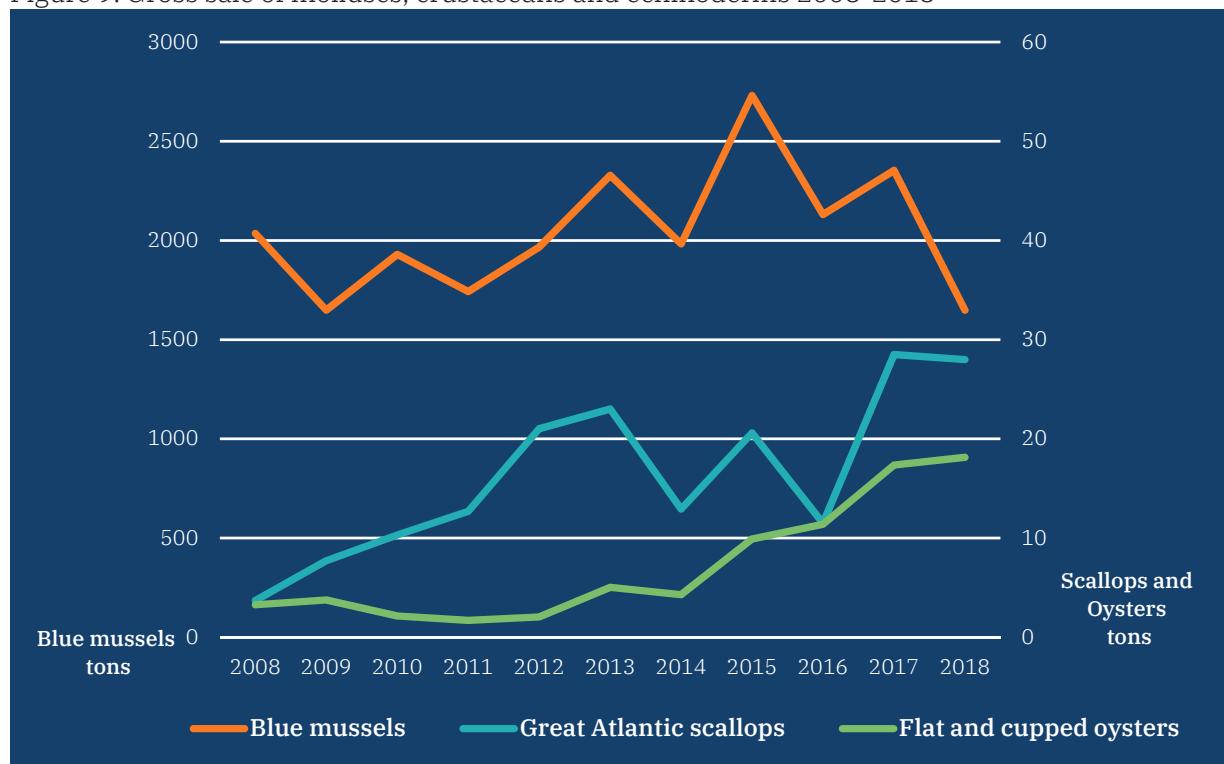


Table 19. Gross sale of molluscs, crustaceans and echinoderms in 2018. Weight in metric tons and value in 1000 NOK

County	Weight	Value	Species	Weight	Value
Finnmark and Troms	:	:	Blue mussels	1 649	28 522
Nordland	555	8 472	Great Atlantic scallops	28	1 850
Trøndelag	1 083	20 366	Oysters	18	3 038
Møre og Romsdal	7	2 263	Others species	27	4 321
Sogn og Fjordane	:	:	Total	1 721	37 731
Hordaland	47	5 689			
Rogaland and øvrige fylker	30	937			
Total	1 721	37 731			

6. Losses in the production

Source: The Directorate of Fisheries

Definitions:

- Dead fish: Number fish physically taken out of the bag-net. Cause of this type of death could be illness, wounds etc. without clearly specifying the cause.
- Turn out from slaughterhouse: Number of fish discarded at slaughterhouse due to maturity, defects, blemishes etc.
- Escapes: Number of fish that have escaped in conjunction with an accident.
- Other losses: Number of fish lost due to predation, theft, counting mistakes and other causes.

Atlantic salmon and rainbow trout

Preliminary figures for 2018 (per May 2019)

Table 20. Losses in the production of Atlantic salmon in 2018. Quantity in 1000 pieces

County	Dead	Rejected	Escapes	Others	Total
Finnmark	3 414	202	7	575	4 198
Troms	5 973	129	0	210	6 312
Nordland	6 996	117	0	172	7 285
Trøndelag	7 204	163	124	450	7 941
Møre og Romsdal	5 135	195	0	232	5 562
Sogn og Fjordane	5 544	409	0	388	6 342
Hordaland	9 989	808	7	184	10 988
Rogaland	4 221	378	0	104	4 704
Øvrige fylker	606	23	0	-56	572
Total	49 082	2 424	138	2 259	53 903

Table 21. Losses in the production of rainbow trout in 2018. Quantity in 1000 pieces

County	Dead	Rejected	Escapes	Others	Total
Finnmark	0	0	0	0	0
Troms	0	0	0	0	0
Nordland	0	0	0	-267	-267
Trøndelag	72	0	0	38	111
Møre og Romsdal	466	9	0	35	511
Sogn og Fjordane	771	5	0	129	905
Hordaland	2 299	77	2	-79	2 300
Rogaland	3	0	0	0	3
Øvrige fylker	8	2	0	0	9
Total	3 619	93	3	-143	3 571

Other marine fish species
 Preliminary figures for 2018 (per May 2019)

Table 22. Losses in the production of other marine fish species in 2018. Quantity in 1000 pieces

County	Dead	Rejected	Escapes	Others	Total
Finnmark and Troms	18	0	0	0	18
Nordland	27	12	0	1	40
Trøndelag	13	1	0	0	14
Møre og Romsdal	8	11	0	44	63
Sogn og Fjordane	72	0	0	69	141
Hordaland	57	0	0	0	57
Rogaland og øvrige fylker	144	2	0	1	148
Totat	339	26	0	115	462

7. Cleaner fish

Source: The Directorate of Fisheries

Preliminary figures for 2018 (per May 2019)

Figure 10. Number of cleaner fish in the cages with Atlantic salmon and rainbow trout 2008-2018

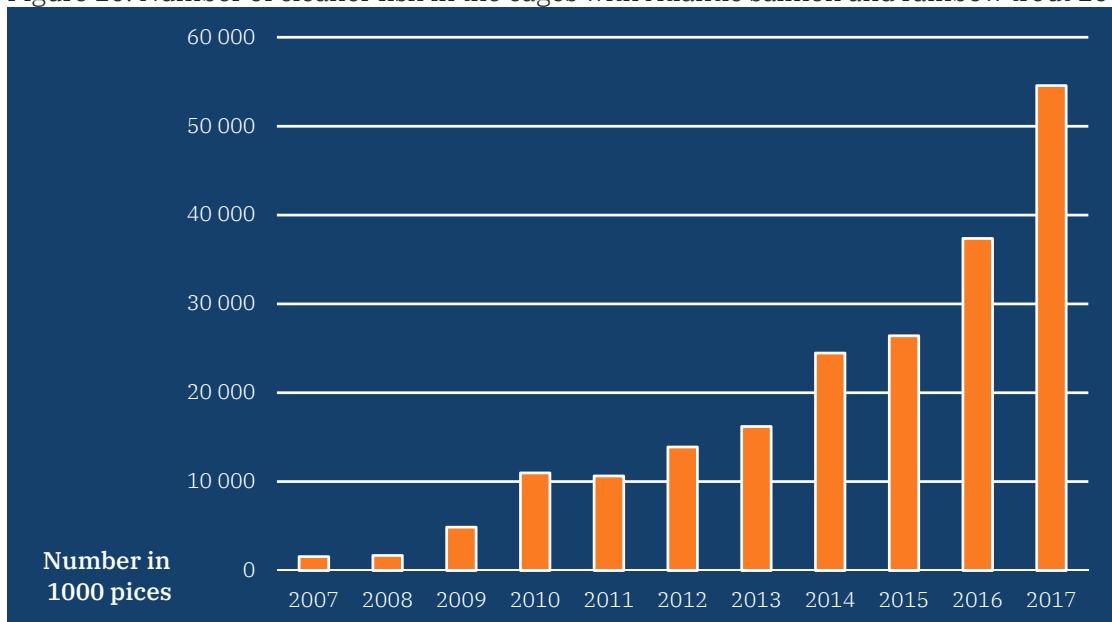


Table 23. Number of cleaner fish (farmed and wild catch) in the cages with Atlantic salmon and rainbow trout in 2018. Numbers in 1000 pieces and value in 1000 NOK

County	Number	Value
Finnmark and Troms	1 569	33 023
Nordland	3 556	92 335
Trøndelag	10 050	236 862
Møre og Romsdal	8 952	202 228
Sogn og Fjordane	3 029	67 227
Hordaland	16 381	327 242
Rogaland	3 372	68 517
Øvrige fylker	1 865	21 600
Total	48 775	1 049 034

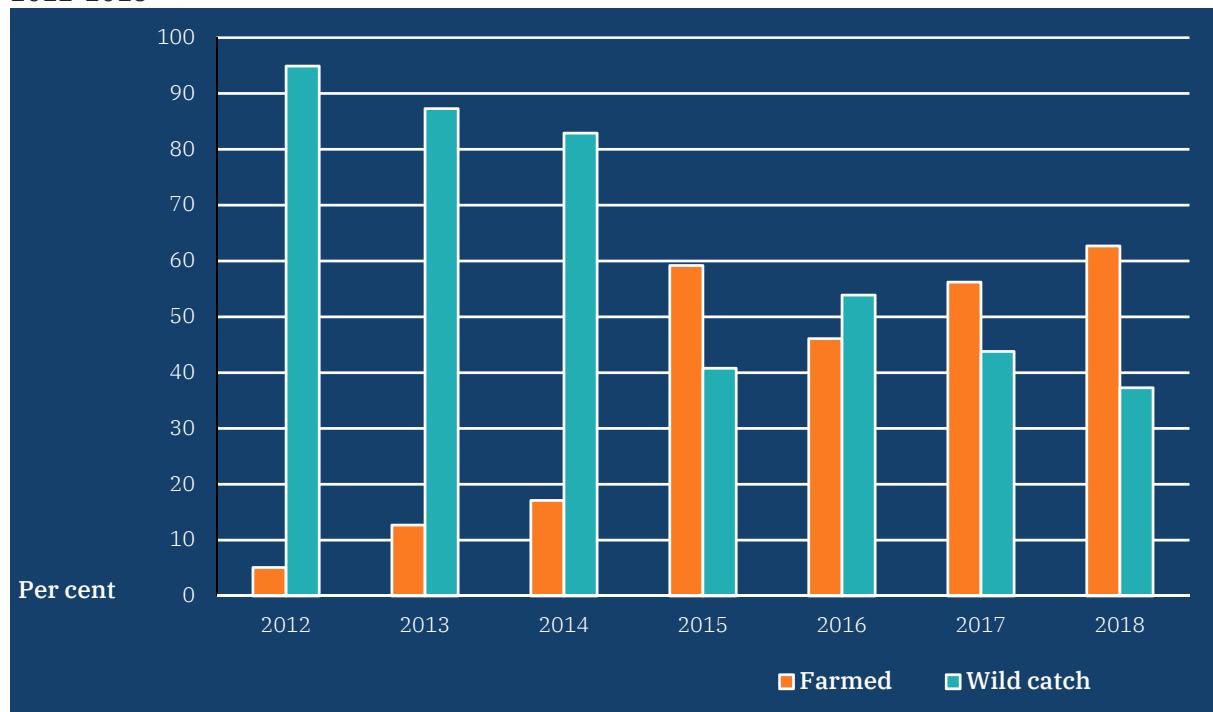
Table 24. Total number of cleaner fish (farmed and wild catch) in the cages with Atlantic salmon and rainbow trout by species in 2018. Number in 1000 pieces and value in 1000 NOK

Species	Number	Value
Lumpfish	30 945	694 893
Ballan wrasse	3 558	96 449
Gold-Sinny wrasse	7 929	147 858
Corkwing wrasse	5 942	103 165
Rock cook	400	6 669
Non specified	0	0
Total	48 775	1 049 034

Table 25. Sale of farmed cleaner fish to producers of Atlantic salmon and rainbow trout. Numbers in 1000 pieces and value in 1000 NOK

County	Number	Value
Lumpfish	1 692	95 218
Ballan wrasse	21 486	454 513
Other species	0	0
Total	23 179	549 731

Figure 11. Percentage of farmed and wild catch cleaner fish with Atlantic salmon and rainbow trout 2012-2018



8. Export

Source: Norwegian Seafood Council

Figure 12. Main markets for Atlantic salmon in 2018

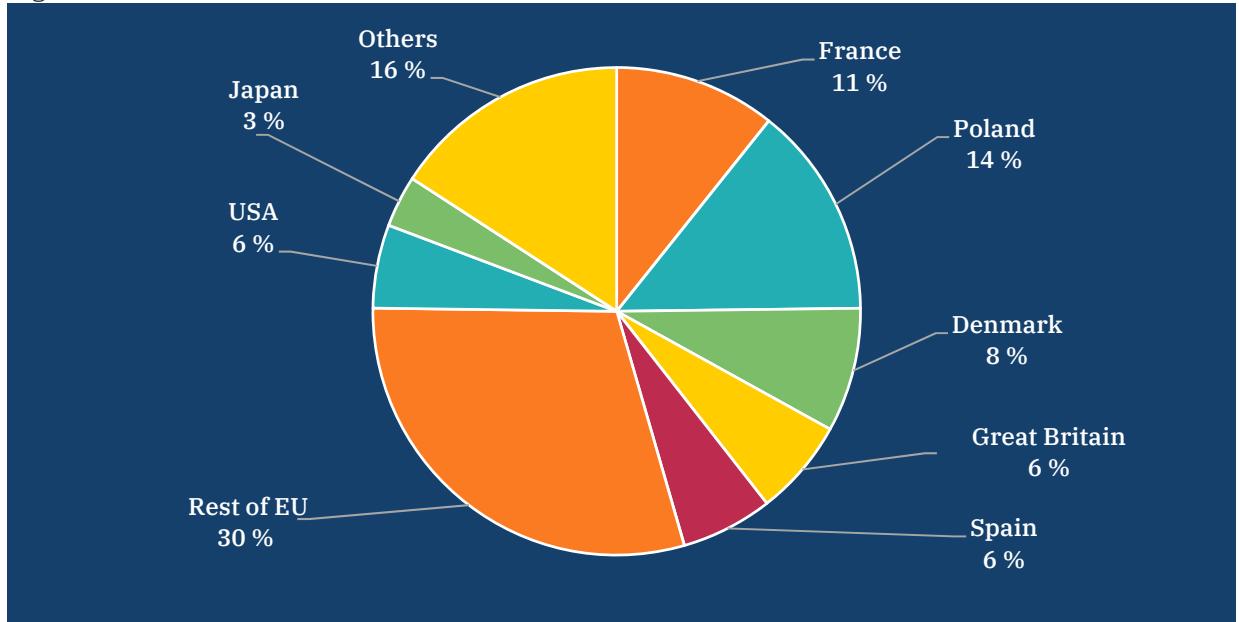


Table 26. Export of Atlantic salmon specified by country. Weight in metric tons (round weight) and value in mill. NOK

Salmon, round	2017			2018			% - changes	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
France	120 005	6 455	53.79	129 500	7 123	55.01	8 %	10 %
Poland	148 554	7 653	51.52	170 063	8 774	51.59	14 %	15 %
Denmark	96 196	5 018	52.16	99 462	5 210	52.38	3 %	4 %
Great Britain	63 615	3 546	55.74	77 426	4 290	55.40	22 %	21 %
Spain	70 229	3 905	55.61	73 479	4 045	55.05	5 %	4 %
Rest of EU	341 320	19 098	55.95	358 589	20 009	55.80	5 %	5 %
EU	839 919	45 676	54.38	908 519	49 451	54.43	8 %	8 %
USA	68 168	4 426	64.93	66 841	4 508	67.45	-2 %	2 %
Japan	42 456	2 516	59.26	41 251	2 454	59.48	-3 %	-2 %
South-Korea	24 305	1 553	63.88	29 750	1 927	64.79	22 %	24 %
Others countries	179 049	10 409	58.14	161 571	9 442	58.44	-10 %	-9 %
Total	1 153 897	64 580	55.97	1 207 933	67 782	56.11	5 %	5 %

Table 27. Export of Atlantic salmon specified by product. Weight in metric tons and value in mill. NOK

Product	2017			2018			% - vis endring	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
Fersh fish	932 325	50 623	54.30	990 873	54 156	54.65	6 %	7 %
Fersh filet	115 537	7 049	61.01	119 815	7 477	62.41	4 %	6 %
Frozen fish	24 755	1 403	56.68	19 852	1 056	53.21	-20 %	-25 %
Frozen filet	69 464	4 772	68.70	65 001	4 275	65.76	-6 %	-10 %
Other products	11 816	733	62.05	12 393	818	66.04	5 %	12 %
Totalt	1 153 897	64 580	55.97	1 207 933	67 782	56.11	5 %	5 %

Figure 13. Main markets for rainbow trout in 2018

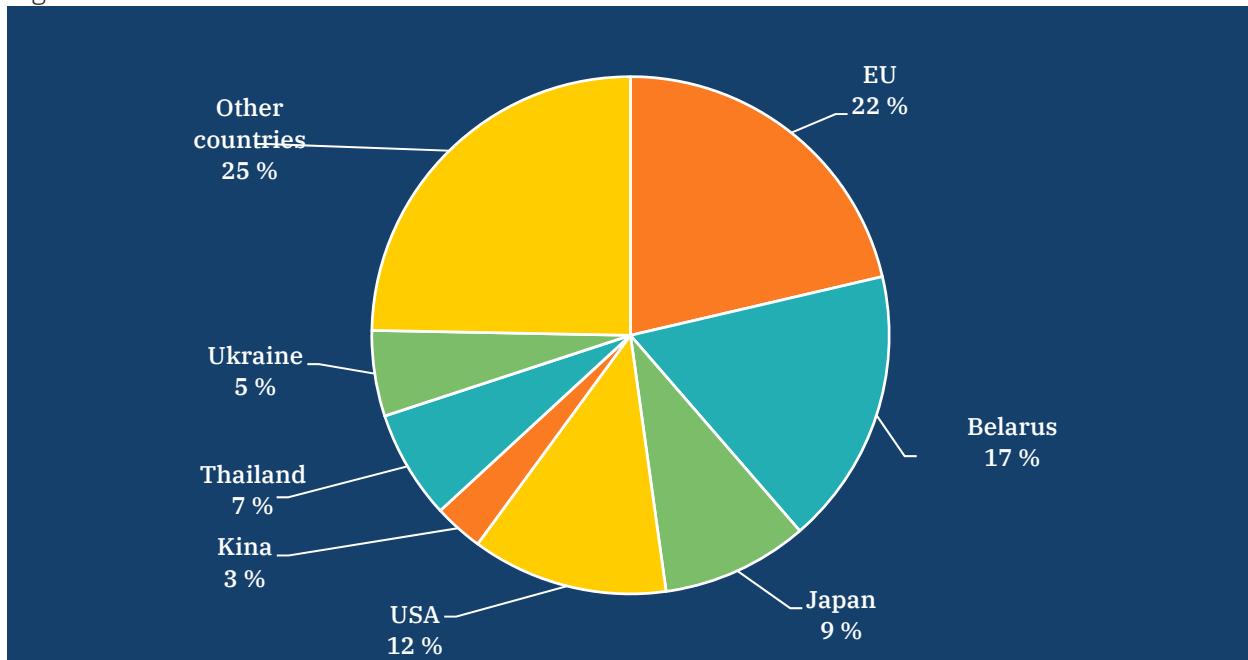


Table 28. Export of rainbow trout specified by country. Weight in metric tons and value in mill. NOK

Rainbow trout, round	2017			2018			% -changes	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
EU	10 697	570	53.31	12 052	552	45.79	13 %	-3 %
Belarus	6 963	381	54.68	9 759	502	51.49	40 %	32 %
Japan	8 127	480	59.04	5 166	265	51.35	-36 %	-45 %
USA	5 090	317	62.32	6 916	422	61.01	36 %	33 %
Kina	1 737	97	55.60	1 744	84	48.05	0 %	-13 %
Thailand	3 584	219	61.03	3 840	201	52.38	7 %	-8 %
Ukraine	1 693	88	51.95	3 022	147	48.55	78 %	67 %
Other countries	10 953	705	64.35	13 936	808	58.01	27 %	15 %
Total	48 845	2 856	58.47	56 435	2 982	52.83	16 %	4 %

Table 29. Export of rainbow trout specified by product. Weight in metric tons and value in mill. NOK

Product	2017			2018			% -vis endring	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
Fersh fish	25 477	1 441	56.54	34 594	1 778	51.39	36 %	23 %
Fersh filet	4 145	261	62.93	5 162	319	61.74	25 %	22 %
Frozen fish	13 942	788	56.55	11 477	534	46.51	-18 %	-32 %
Frozen filet	2 463	113	45.92	2 501	112	44.76	2 %	-1 %
Other products	2 817	253	89.84	2 702	239	88.60	-4 %	-5 %
Total	48 845	2 856	58.47	56 435	2 982	52.83	16 %	4 %

9. Economic results

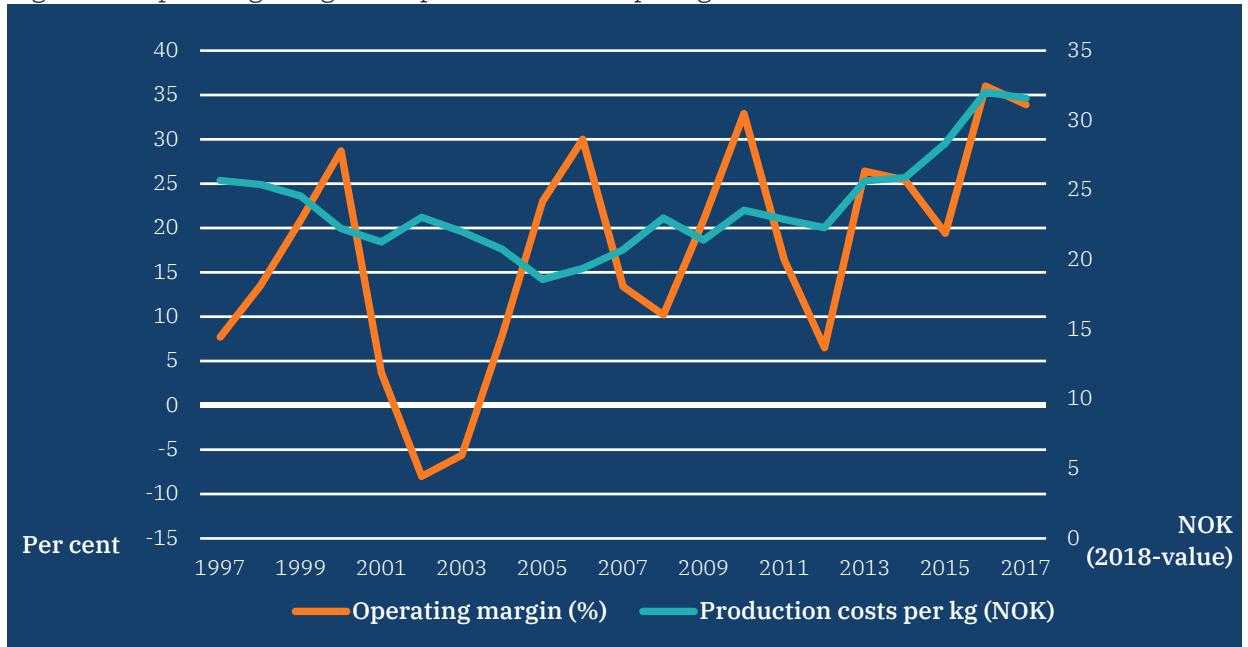
Source: The Directorate of Fisheries

Definitions:

Operating Margin = (Operating Profit / Operating Revenues) * 100

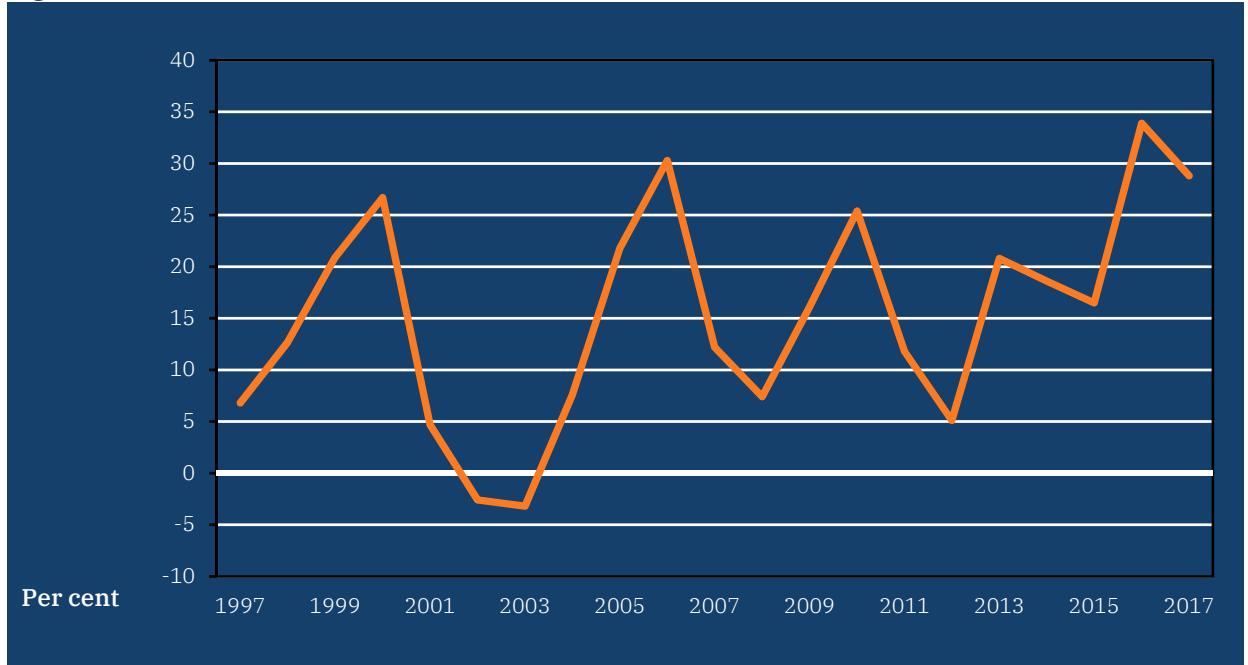
Return on Total Assets = ((Operating Profit + Financial Revenues) / Total Assets) * 100

Figure 14. Operating margin and production costs per kg 1997-2017¹⁾



1) Average figures for companies with grow out production of Atlantic salmon and rainbow trout

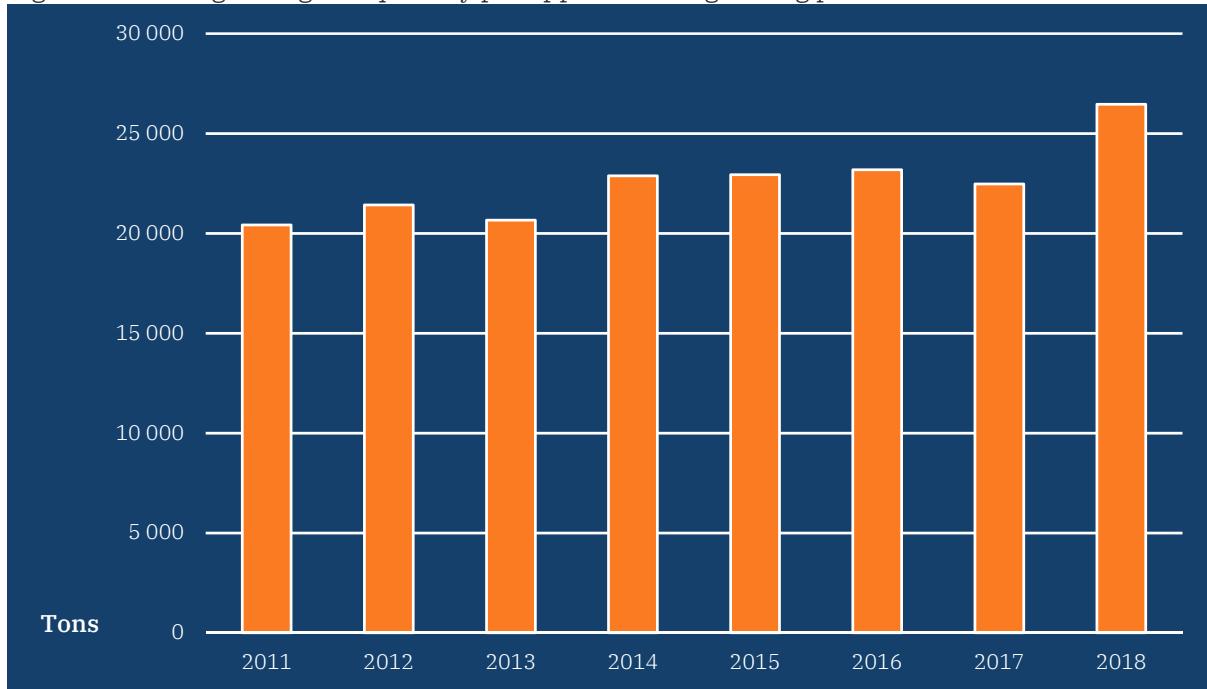
Figure 15. Return on Total Assets 1997-2017



10. Approved slaughtering plants for salmonids

Source: The Norwegian Food Safety Authority

Figure 16. Average slaughter quantity per approved slaughtering plants 2011-2018



Average slaughtered quantity per approved slaughtering plant is defined as total slaughtered quantity divided by the number of slaughtering plants for salmonids. The number of slaughtering plants in operation is unknown.

Table 30. The number of approved slaughtering plants for farmed salmonids

County	2014	2015	2016	2017	2018
Finnmark	4	4	4	4	4
Troms	9	9	8	8	8
Nordland	15	15	14	14	13
Trøndelag	8	9	9	9	10
Møre og Romsdal	5	5	5	5	5
Sogn og Fjordane	3	3	3	4	4
Hordaland	10	10	9	9	13
Rogaland	4	4	4	4	3
Øvrige fylker	0	1	1	1	1
Total	58	60	57	58	61

11. Related activities

Insurance

Source: Finance Norway (FNO)

Table 31. Insurance of farmed fish in Norway. Amount in mill NOK

	2014	2015	2016	2017	2018
Premium	202.6	196.9	203.6	220.7	222.2
Compensation	238.1	239.9	144.3	211.0	178.4
Accident index	118 %	122 %	71 %	96 %	80 %

Use of veterinary drugs

Source: Norwegian Institute of Public Health

Table 32. Use of veterinary drugs¹⁾ in the Norwegian fish farming industry. Quantity in kg

	2014	2015	2016	2017	2018
Antibacterial agents	511	301	212	626	933
Anaesthetic agents	10 614	22 082	17 057	15 422	13 670
Agents against intestinal worms	625	942	518	380	171
Agents against surface infections	1 320	1 733	41 472	48 040	42 714
Agents against lice	12 812	12 768	10 625	2 450	779
Hydrogen peroxide	31 577 000	43 246 000	26 597 000	9 277 000	6 735 000

Well boats

Source: Coastal Shipowners

Table 33. The number of well boats¹⁾

County	2014	2015	2016	2017	2018
Finnmark	2	1	0	0	3
Troms	2	2	3	5	1
Nordland	13	13	12	11	7
Trøndelag	6	7	0	6	0
Møre og Romsdal	26	25	31	36	51
Sogn og Fjordane	0	0	1	0	0
Hordaland	9	10	13	8	7
Rogaland	0	0	0	0	0
Øvrige fylker	0	0	0	0	0
Total	58	58	60	66	69

1) Based on members in the Association of Coastal Shipowners

Use of feed

Source: Norwegian Seafood Federation

Table 34. Use of feed in the Norwegian fish farming industry. Quantity in metric tons

Month	2014	2015	2016	2017	2018
January	109 885	115 335	107 609	117 177	111 245
February	90 542	88 250	86 263	89 099	91 459
March	85 068	99 155	87 864	91 738	85 777
April	89 763	96 633	88 279	93 215	84 004
May	110 168	102 581	111 960	111 428	127 722
June	146 910	135 984	137 601	146 339	150 674
July	193 382	180 168	178 012	185 712	186 799
August	204 455	212 812	221 308	235 135	225 058
September	208 674	211 163	210 611	215 768	209 187
October	195 899	195 379	177 491	223 144	221 382
November	165 074	169 670	164 829	175 905	195 630
December	142 597	139 321	137 085	144 577	152 454
Total	1 742 417	1 746 451	1 708 912	1 829 236	1 841 391



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