

# Salmon in Haffjardara 2020

## The salmon catch in 2020

The total catch in 2020 was 1127 fish.

The catch of grilse and salmon since 1990 is shown in table 1 and fig. 1.

The catch of grilse (I SW fish) was 892 fish and the catch of salmon (II SW fish) was 235 fish, 21% of the total catch.

932 (83%) of the fish caught in 2020 were released.

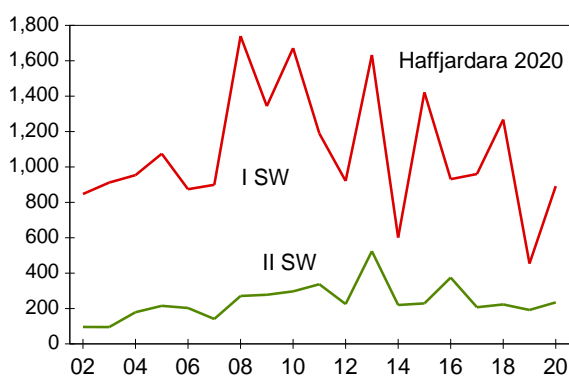


Fig. 1. N. of I and II SW fish caught in Haffjardara 2002 - 2020.

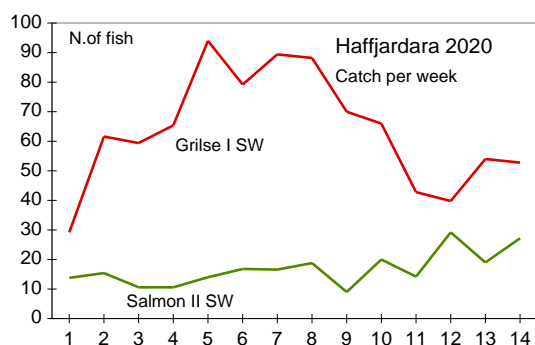


Fig. 2. Catch of grilse and salmon by weeks. First week starts 18/6, last fishing day is 15/9.

Year	I SW	II SW	Total	II SW%	Rel.	% Rel.
1990	475	148	623	24%		
1991	594	126	720	18%		
1992	703	122	825	15%		
1993	550	83	633	13%		
1994	567	103	670	15%	4	1%
1995	577	155	732	21%	0	
1996	533	69	602	11%	24	4%
1997	490	70	560	12%	0	
1998	678	74	752	10%	193	26%
1999	668	122	790	15%	302	38%
2000	612	60	672	9%	278	41%
2001	465	67	532	13%	246	46%
2002	847	96	943	10%	493	52%
2003	912	95	1007	9%	525	52%
2004	954	179	1133	16%	616	55%
2005	1075	215	1290	17%	929	72%
2006	874	203	1077	19%	749	70%
2007	899	141	1079	13%	767	71%
2008	1740	271	2011	13%	1599	80%
2009	1344	278	1622	17%	1227	76%
2010	1672	297	1969	15%	1509	77%
2011	1189	337	1526	22%	1274	83%
2012	921	225	1146	20%	854	75%
2013	1633	524	2157	24%	1821	84%
2014	601	220	821	27%	630	77%
2015	1422	229	1651	14%	1318	80%
2016	931	375	1306	29%	1026	79%
2017	960	207	1167	18%	912	78%
2018	1268	223	1491	15%	1156	78%
2019	454	192	646	30%	508	79%
2020	892	235	1127	21%	932	83%
Avg 90-01:	576	100	676			
Avg 02-07:	927	155	1088			
Avg 08-13:	1417	322	1739			
Avg 14-19:	937	241	1150			

Table 1. Catch of grilse (I SW), salmon (II SW) in Haffjardara 1990-2020, number and percentage of released fish. Averages 1990-2001, 2002-2007, 2008-2013 and 2014-2019.

Catch of grilse increases until week 5 and decreases from week 9.

The catch of salmon is increasing gradually throughout the season. All salmon are released so their number is continuously increasing. Catchability of grilse decreases with time.

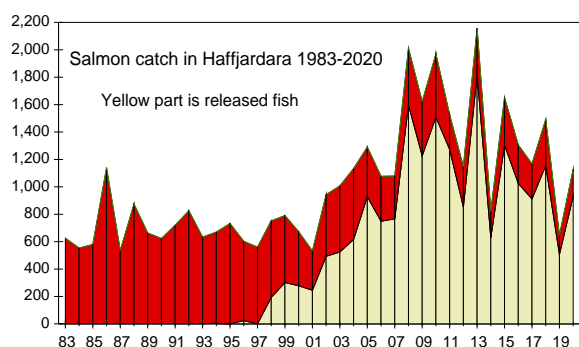


Fig. 3. Catch of salmon in Haffjardara 2013-2020. Red part is retained fish, yellow part is released fish.

Release of caught fish started in 1998 when 26% of the caught fish were released. This increased to 52% in 2002 to increase further to 80% in 2008 and has since then been around that figure (table 1)

### Parr survey

Parr survey took place on July 27. The main river was fished with electricity at three sites. Water level was moderate and conditions for electrofishing were good. Results are shown in table 2.

				Age classes									
Site No.	Location	Date	Areal	0+		1+		2+		3+		Sum	Density
			m²	no	ml	no	ml	no	ml	no	ml		Fish/100 m2
1	Below Falls Pool	29/7	50	21	3.3	8	5.4	3	11.3			33	66
2	Home Pool	29/7	30	23	3.3	8	5.7					31	103
3	Above Sea Pool	29/7	50	26	3.3	15	6.3	3	11.0			44	88
Total 2020:			130	70	3.3	31	5.8	6	9.2			107	
Fish/100m²				54		24		5				82	82
Fish/100m² 2016				32		25		9		0			

Table 2. Mean length at age and number of salmon parr caught at various sites in Haffjardara July 29 2020.

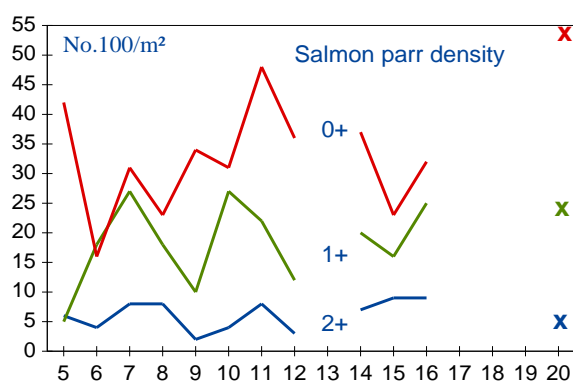


Fig 4. Density of 0+, 1+ and 2+ parr 2005-2020. No parr survey was performed in 2013, and 2017-2019.

Density of 0+ parr was very high and the growth was slow, mean length only 3.3 cm. Densities of 1+ and 2+ were similar to the long time average. Mean length of 1+ parr was rather low.

It is obvious from the data that the spawning stock is high and n. of 0+ fish is high leading to high competition for the available food.