

# Salmon in Haffjardara 2008

## Parr survey

The salmon parr population in Haffjardara was investigated August 13 and 14, 2008. The river was fished with electricity at 5 sites. The parr were aged and density of the various year classes estimated. During the test fishing, water level was extremely low and the conditions for electrofishing were good.

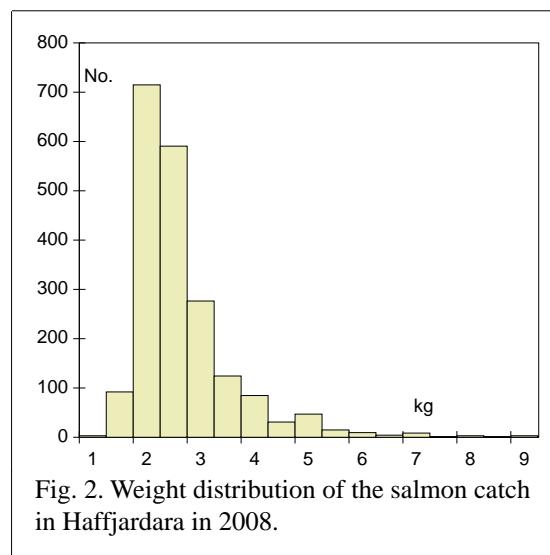
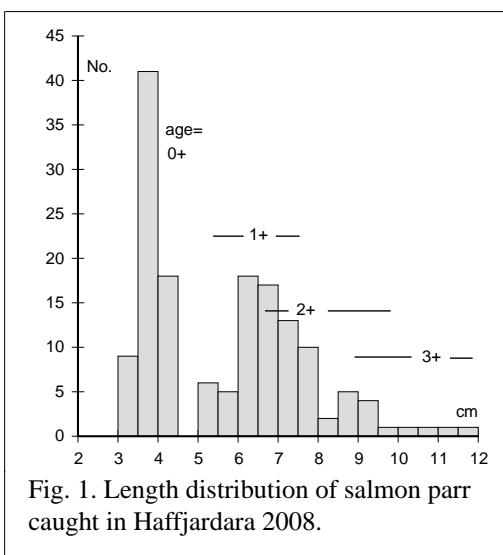
Table 1 shows the results from the parr survey. Fry (age 0+) was found in high numbers. One and two year old parr (1+ and 2+) were also found in high numbers, their growth was good, and the parr was in average condition. Densities were very high, due to very low water at the time of sampling.

Site No.	Location	Date	Areal	Age classes								Sum	Density	
				0+		1+		2+		3+				
				m <sup>2</sup>	no	ml	no	ml	no	ml	no.	ml		
1	Below Long Pool	13/8	20	4	3.6	11	6.0	11	7.6	3	9	29	145	
2	Below Falls Pool	13/8	100	23	3.7	7	6	11	7.9			41	41	
3	Home Pool	14/8	60	24	3.8	11	6.6			1	10	36	60	
4	Below Sheep Pool	14/8	60	7	3.9	10	6.5	1	9.4	2	11.4	20	33	
5	Above Sea Pool	14/8	60	10	4	15	6.9	2	10.2			27	45	
<b>Total:</b>				<b>300</b>	<b>68</b>	<b>54</b>		<b>25</b>		<b>6</b>		<b>153</b>	<b>51</b>	
2007:				215	67		57		17		7		148	69

Table 1. Mean length at age (ml), and number of salmon parr (no) caught at various sites in Haffjardara August 13 and 14, 2008. The catch at the same sites in 2007 is also shown.

## The salmon catch in 2008

The total catch in 2008 was 2011 fish (preliminary number). The catch of grilse and salmon since 1984 is shown in table 2. Out of the 2011 fish caught in Haffjardara, 1599 (80%) were released. The catch of grilse (I SW fish) was 1740 fish and the catch of salmon (II SW fish) was 271 fish, 13% of the total catch (fig 3).



Year	I SW	II SW	Total	Rel.	% Rel.
84	202	351	553		
85	364	215	579		
86	978	161	1139		
87	309	226	535		
88	744	130	874		
89	533	130	663		
90	475	148	623		
91	594	126	720		
92	703	122	825		
93	550	83	633		
94	567	103	670	4	1%
95	577	155	732	0	
96	533	69	602	24	4%
97	490	70	560	0	
98	678	74	752	193	26%
99	668	122	790	302	38%
00	612	60	672	278	41%
01	465	67	532	246	46%
02	847	96	943	493	52%
03	912	95	1007	525	52%
04	954	179	1133	616	55%
05	1075	215	1290	929	72%
06	874	203	1077	749	70%
07	899	141	1079	767	71%
08	1740	271	2011	1599	80%
<b>Avg 84-08:</b>	<b>694</b>	<b>144</b>	<b>840</b>		
<b>Avg 99-08:</b>	<b>905</b>	<b>145</b>	<b>1053</b>		

Table 2. Catch of grilse (I SW), salmon (II SW), number and percentage of released fish in Haffjardara 1984-2008.

Year	No. tagged	No. recaptured	% rec.
1999	45	1	2
2000	0	0	0
2001	14	4	29
2002	91	17	19
2003	73	22	30
2004	96	18	19
2005	131	18	14
2006	76	13	17
2007	68	5	7
2008	156	21	13
<b>Total:</b>	<b>750</b>	<b>119</b>	<b>15.9</b>

Table 3. Tagging results 1999-2008. Fish, tagged and recovered within the same fishing season.

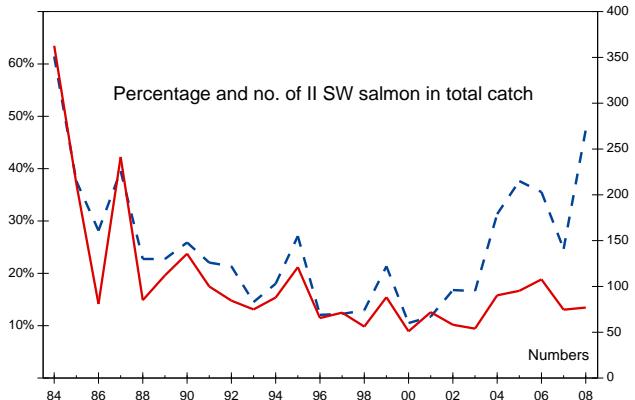


Fig. 3. Percentage (unbroken line) of salmon (II SW) in the total catch in Haffjardara 1984- 2008. Numbers of II SW fish shown by the broken line.

## Tagging Experiment 2008

From 28/6 to 18/8, 156 fish were tagged and released. 19 fish (12.8%) were recaptured in the river, two of them were recaptured twice, a total of 21 recoveries. Results are shown in table 4. All recoveries were from tagging in 2008 .

11 fish, tagged in 2008, were recaptured above the tagging site, one below and four on the tagging site.

## Tagging from 1999

Since 1999, 750 fish have been tagged in Haffjardara. 119 (15.9 %) have been recaptured.

Results of the tagging in 1999-2008 are shown in table 3.

Tag No.	Tagged			Recovered			
	Date	Pool No.	Date	Pool No.	Timeout Days	Up/Down N.of pools	
4109	17.7.2008	2	26.7.2008	33	9	31	
85740	30.6.2008	2	22.7.2008	36	22	34	
85741	30.6.2008	2	8.9.2008	17	70	15	
85743	2.7.2008	2	4.7.2008	2	2	0	
85756	20.7.2008	23	22.7.2008	24	2	1	
85760	19.6.2008	2	7.9.2008	33	80	31	
85779	2.7.2008	23	21.7.2008	7	19	-16	
85797	7.7.2008	2	7.7.2008	33	0	31	
94031	28.7.2008	2	5.9.2008	7	39	5	
94034	28.7.2008	32	10.8.2008	32	13	0	
94092	15.7.2008	2	30.8.2008	2	46	0	
94032	28.7.2008	7	11.9.2008	12	45	5	
94134	22.7.2008	23	26.8.2008	36	35	13	
94138	25.7.2008	2	9.9.2008	17	46	15	
94166	3.8.2008	36	10.9.2008	36	38	0	
94190	16.7.2008	23	25.8.2008	36	40	13	

Table 4. Tagged and recaptured salmon in Haffjardara 2008 where tag number could be related to sites. 'Time out' is the time between tagging and recapture.

'Up/down' is the movement of the fish, how many pools the fish moved up or down (minus sign).