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April 2006

Salmon in Haffjardara 2005

Introduction

The salmon parr population in Haffjardara was investigated August 10 and 11, 2005. The river was fished with electricity at 6 sites. The parr were aged and density of the various year classes estimated. During the test fishing, water level was normal and the conditions for electrofishing were at the best.

Results

Table 1 shows the results from the test fishing. The site at Sea pool is new, interestingly, being so close to the sea, it was well populated with parr.
Fry (age 0+) was found at all sites in high numbers. One and two year old parr (1+ and 2+) were also numerous. Growth was good and the parr was in good condition.

Table 1. Mean length at age, and number of salmon parr caught at various sites in Haffjardara August 10 and 11, 2005. Number of fish in brackets.

				Year classes				
				-	-	-	-	Density
Site No	Location	Date	Area (m^2)	0+	1+	2+	3+	Fish/100 m^2
1	Upper Luncheon	11/8	40	3.7 (12)	7.0 (10)	9.8 (5)		68
2	Below Long Pool	11/8	50	3.9 (4)	7.0 (9)	7.2 (2)	8.8 (3)	36
3	Below Falls Pool	10/8	50	3.6 (10)	6.3 (16)	9.0 (3)		58
4	Home Pool	11/8	50	3.7 (26)	6.3 (9)	9.1 (1)		72
5	Below Sheep Pool	10/8	20	3.6 (42)	6.9 (9)	8.9 (2)		265
6	Sea Pool	11/8	40	3.7 (10)	6.5 (9)	8.6 (2)		53
Total:			250	(104)	(62)	(15)	(3)	74

The salmon catch in 2005

The total catch in 2005 was 1290 fish, which is a record.

The catch of grilse and salmon since 1984 is shown in table 2.

Out of the 1290 fish caught in Haffjardara, 929 (72%) were released.

The catch of salmon (2 SW fish) was 215 fish, the largest since 1987.

The catch of grilse was very high and good catch in 2006 can be expected.

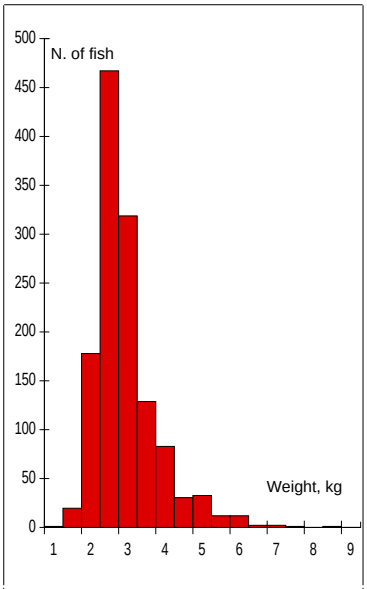


Fig. 1. Weight distribution of the salmon catch in Haffjardara in **2005.**

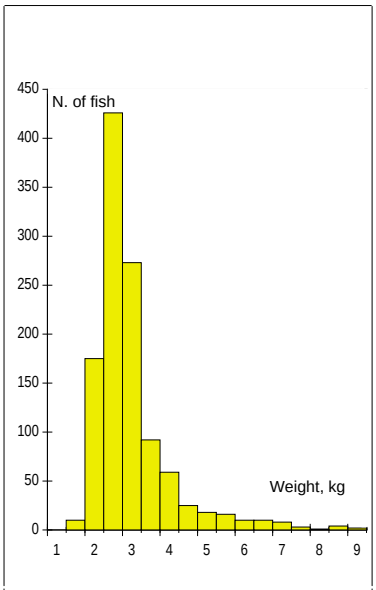


Fig. 2. Weight distribution of the salmon catch in Haffjardara in 2004.

Table 2. Catch of grilse (I SW) and salmon (II SW) in Haffjardara 1984-2005.

Year	I SW	II SW	Total
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
95	577	155	732
96	533	69	602
97	490	70	560
98	678	74	752
99	668	122	790
00	612	60	672
01	465	67	532
02	847	96	943
03	912	95	1007
04	954	179	1133
05	**1075**	**215**	**1290**
Avg:	629	136	765

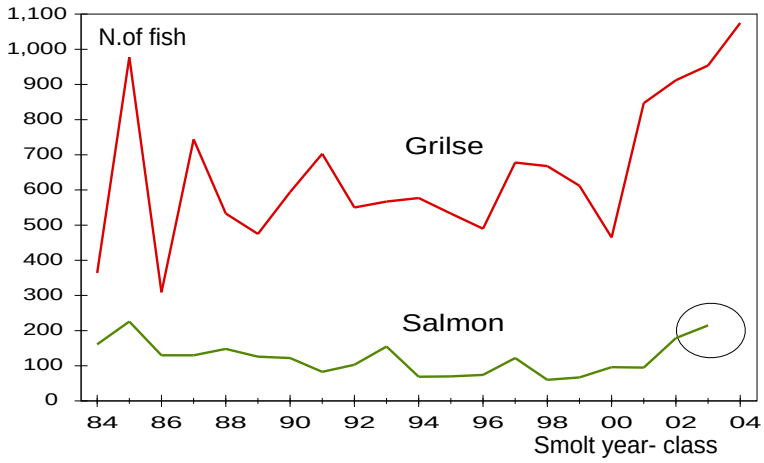


Fig. 3. Catch of grilse (1 SW) and salmon (2 SW) in Haffjardara originating from the **smolt year- classes** 1984- 2004. Salmon caught in 2005 (encircled) left the river as smolt in 2003.

Tagging Experiment

From 29/6 to 18/7, 131 fish were tagged and released. 18 (14%) were recaptured in the river 1-61 days after tagging. 8 fish were recaptured within 2 weeks from release and 8 were caught 4-10 weeks from release. Results are shown in table 3.

Twelve fish were recaptured above the tagging site, four below and two on the tagging site.

Six fish, previously tagged, were released again. One of them was recovered for the second time.

Since 2001, 405 fish have been tagged in Haffjardara. 79 (19.5 %) have been recaptured.

All fish were recaptured the same year they were tagged. Results of the tagging in 2001-2005 are shown in table 4.

Year	No. tagged	No. recaptured	% rec.
2001	14	4	29
2002	91	17	19
2003	73	22	30
2004	96	18	19
2005	131	18	14
Total:	**405**	**79**	**19.5**

Table 4. Tagging results 2001-2005.

Tagged			Recaptured			
Tag No.	Date	Pool No.	Date	Pool No.	Timeout Days	Up/Down N. of pools
76758	29.6	23	3.7	20	4	-3
76755	29.6	7	1.8	17	33	10
67921	1.7	12	26.7	32	25	20
76725	3.7	24	10.7	46	7	22
76763	3.7	23	2.9	40	61	17
76769	4.7	12	5.7	10	1	-2
76728	4.7	2	23.7	2	19	0
76703	5.7	24	18.7	46	13	22
76704	5.7	23	30.7	2	25	-21
76705	6.7	12	25.8	47	50	35
76716	9.7	2	19.7	4	10	2
76719	10.7	24	25.7	33	15	9
76722	10.7	24	22.8	45	43	21
84059	12.7	2	16.7	2	4	0
84064	12.7	10	3.9	31	53	21
84060	12.7	2	23.7	3	11	1
76797	17.7	4	26.8	20	40	16
76703*	18.7	46	20.8	42	33	-4

Table 3. Tagged and recaptured salmon in Haffjardara 2005. '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).

* fish no. 76703 was recaptured twice.