

Council

CNL(10)22

*Annual Report
on Actions Taken Under Implementation Plans*

EU – Sweden

Sweden Annual Report on actions taken under Implementation Plans for the Calendar Year 2009

The Guidelines for the preparation of 'Implementation Plans and for Reporting on Progress', NSTF(06)10 (copy attached) indicate that the primary purpose of the annual reports is to provide a summary of all the actions that have been taken under the Implementation Plan in the previous year. In addition, details of any significant changes to the status of stocks, new factors affecting stocks, any changes to the management regime in place, and any changes to the Implementation Plan should be included in the report. Details of actions taken in accordance with Articles 14 and 15 of the Convention are also needed by the Council. **Please provide the following information to the Secretariat by 2 April 2010**

Section 1: Details of any significant changes to the management outlined in the introduction to the Implementation Plan.

There has not been any significant changes to the management outlined in the introduction to the implementation plan in 2009.

Section 2: A description of any significant changes in the status of stocks and information on catches. The Council has asked that the following information on catches be provided:

- (a) the provisional catch of salmon in tonnes for 2009;**
- (b) the confirmed catch of salmon in tonnes for 2008;**
- (c) an estimate of unreported catch in tonnes for 2009;**
- (d) the number of salmon caught and released in recreational fisheries in 2009.**

a) 16,98 ton. Released salmon in recreational fisheries is not included. Fishing in rivers (rod and line) dominates the catch and has averaged 15.2 tonnes the period 2000-2009. Since 2004 the average was 15 tonnes, i.e. 90% of the total catch that period. The catch in 2009 was 14 tonnes corresponding to 3859 salmon.

b) 18,39 ton

c) In three rivers a kind of traditional privately owned fishery with traps or net fishery for salmon is operating. No catch data are available from these small scale fisheries so they represent an unreported catch. The unreported catch in year 2009 was guesstimated to be 1.7 tonnes or about 10 % of the national catch.

d) Statistics not available. In some rivers catch and release is more frequently practised (up to 25% released of the total catch) in

recreational fisheries. In rivers with hydropower plant and a comprehensive stocking program catch and release is nearly not practised at all.

Table 1. Number of 1 SW and MSW salmon caught in 2000-2009. Since a few years it has been decided to define fish with a weight of less than 3.6 kg as 1 SW fish. It is possible that this limit will have to be changed if the growth of salmon continue to be impaired compared to earlier.

Year	1 SW		MSW		MSW in per cent of total	
	Weight (kg)	Numbers	Weight (kg)	Numbers	Weight (%)	Numbers (%)
2000	17979,8	7103	15210,3	3196	45,4	64,1
2001	11700	4634	20918,6	3853	45,4	64,1
2002	11539	4733	16363,0	2826	37,4	58,6
2003	6938,7	2891	17779,0	3214	52,6	71,9
2004	5766,6	2494	13134,6	2330	48,3	69,5
2005	4828,1	2122	10197,0	1770	45,5	67,9
2006	4195,3	2211	9590,5	1772	44,5	69,6
2007	2948,6	1228	13482,1	2442	66,5	82,1
2008	2890,3	1197	15509,8	2752	69,7	84,3
2009	3101	1269	13885,0	2495	66,3	81,7

Section 3: A description of any new factors which may significantly affect the abundance of salmon stocks.

Salmon parr densities in salmon rivers in western Sweden is still on a historical low level (period 1985 – 2009). Se Sweden Focus Area Report on Protection, restoration and enhancement of salmon habitat.

There was a drop in the number of salmon smolt released in the comprehensive stocking program 2002 – 2008 probably affecting the number of returning spawners and the catches.

Table 2. Catch (tonnes) of salmon by category of origin in 2002-2009.

Year	Wild	Farmed	Ranched	Total	Prop. (%) ranched
2002	11	0	17	28	61
2003	6	0	19	25	76
2004	7	0	13	19	68
2005	7	0	8	15	53
2006	6	0	8	14	57
2007	5	0	11	16	69
2008	4	0	14	18	78
2009	4	0	13	17	76

Table 3. Number of released reared Atlantic salmon smolts in 2009 in Sweden.

River	1 year old	2 year old	Grand total
Lagan	92868	27642	
Nissan	22248	8416	
Göta älv	40850	0	
Total	155966	36058	192024

Section 4: An account of all actions taken under the Implementation Plan with regard to the management of salmon fisheries; habitat protection and restoration; aquaculture and related activities (not required in 2010); and other influences affecting salmon abundance or diversity (including the marine environment).

Management Action	Reporting Update	Achieved Management Action (Yes, No, Ongoing, Completed)
Fisheries Management		
No new regulations of the fishery have been implemented in 2009.		Completed
New regulation of the fishery in river Enningdalsälven, in the tributary and in the firth of Enningdal has in 2010 been agreed between Norway and Sweden. Protection of salmon and sea trout populations has increased.		Completed
The Swedish Board of Fisheries has 2010 started a working group in order to evaluate NASCOs Guidelines in salmon management and the possibilities to implement the Guidelines in the management. A conference about salmon management is planned in the end of 2010.		Ongoing
In the index river Ätran work has continued to establish the catch efficiency of the smolt trap that has been operating since the middle of 1950s. Tagging of migrating wild salmon smolt has been carried out and an extensive electrofishing programme. Monitoring of returning spawners continues in the tributary Högvadsån.		Ongoing
Reporting of catches in the salmon		Ongoing

fisheries has been carried out. In 2010 the economic value of the salmon fisheries will be calculated		
Monitoring of parr population is undertaken annually in 22 rivers.		Ongoing
Habitat Protection and Restoration		
A conference was held in Falkenberg, river Ätran, about habitat protection and restoration in 2009.		Completed
A conference about salmon management, habitat protection and restoration is planned in the end of 2010		Ongoing
Liming operation has been continued in all rivers 2009. In 2010 the liming project in river Ätran will be increased.		Ongoing
Habitat restoration has 2009 been carried out in several rivers and is planned in 2010.		Completed/ongoing
River Rolfsån 2009. Three fish passages has been built at the hydropower plants Apelnäs, Bosgården and Forsa.		Completed
River Enningdalsälven. A fish counter will be installed 2010.		Ongoing
River Nissan. A fish counter is planned to be installed 2010.		Ongoing

<p>River Ätran. In 2010 it is planned to eliminate one hydropower plant. Returning salmon can pass the plant using a fishway (Denil type) since 1945, but elimination will further enhance the spawning run and also the smolt migration. Habitat restoration will be carried out as well. The estimated cost is 1.8 million Euro</p>		<p>Ongoing</p>
<p>Aquaculture and related activities <i>(only required if a jurisdiction wishes to supplement its FAR or has not submitted a FAR)</i></p>		
<p>A genetic study is planned during 2010 on the origin of some of the more important salmon stocks and the origin of farmed salmon of unknown origin entering these rivers</p>		<p>Ongoing</p>
<p>Other influences affecting salmon abundance or diversity (including marine environment)</p>		