

NPAFC

Doc. 1050

Rev. \_\_\_\_\_

Rev. Date: \_\_\_\_\_

**Korean Salmon Catch Statistics and Hatchery Releases  
in 2006 and 2007**

Yeongdong Inland Fisheries Research Institute, NFRDI  
424-1, Songhyun-ri, Sonyang-myeon, Yangyang-gun, Gangwon-do 215-821,  
Republic of Korea

submitted to the

**North Pacific Anadromous Fish Commission**

by

Republic of Korea

September, 2007

**THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:**

National Fisheries Research and Development Institute. 2007. Korean Chum Salmon Catch Statistics and Hatchery Releases in 2006 and 2007. NPAFC Doc. 1050. 2 pp. Yeongdong Inland Fisheries Research Institute, NFRDI, Yangyang-gun, Gangwon-do 215-821, Republic of Korea. (Available at <http://www.npafc.org>).

## Abstract

The catch of chum salmon in 2006 was increased in Korea. Total catch of chum salmon was 45,482 fish or 102 metric tons. The total fries of chum salmon released was 13,750 thousand fish in 2007 (2006 brood). Six thousands of juvenile cherry salmon were released to Namdae-cheon(stream) in May.

### Chum salmon catch statistics

Total catch of chum salmon was 45,482 fish or 100 metric tons (MT) in 2006. Among these, 19,859 fish or 43.7 MT were caught from the coastal areas for the commercial purpose (i.e., mostly set-net fishery) and 25,623 fish or 56.3 MT from the river for artificial propagation in hatchery (Table 1). Most of chum salmon were caught in the East Sea (43.7%) and rivers (52.6%) in Gangwon Province. Average weight of chum salmon in 2006 was 2.25 kg while those in 2003, 2004, and 2005 were 3.17 kg, 3.38 kg, and 2.42, respectively.

### Release of chum salmon fries

The total released fries of chum salmon were 12,925 thousand fish in 2004 (2003 brood), 10,930 thousand fish in 2005 (2004 brood), 7,250 thousand fish in 2006 (2005 brood) and 13,750 thousand fish in 2007 (2006 brood) (Table 2). Among these, the 72.7 % of total Korean chum salmon fries were released into the Namdae-cheon.

Table 1. Chum salmon catch by area and region from Republic of Korea in 2006

Area	Region (Province)	Catch in Number (No. of fish)	Catch in Weight (mt)
Coast	East Sea	19,859	44.6
River	Gangwon Province	23,934	53.8
	Gyeongbuk Province	1,298	2.9
	Jeonnam Province	391	0.9
Total		45,482	102.2

Table 2. Chum salmon releases by hatchery and river from Republic of Korea in 2004, 2005, 2006 and 2007.

Province	Hatchery/Location (Main river)	No. of Release (thousand fish)			
		2004	2005	2006	2007
Gangwon	Yangyang (Namdae-cheon)	8,000	6,960	4,800	10,000
	Samcheok (Maup-cheon)	2,600	2,530	1,900	2,500
Gyeongbuk	Gyeongbuk (Wangpi-cheon)	1,800	960	250	1,100
Others		525	480	300	150
Total		12,925	10,930	7,250	13,750

#### **Release of juvenile cherry salmon**

Five thousands of juvenile cherry salmon were released into Namdae-cheon in May and two thousands were released in September and one thousands were to Wangpi-cheon in May of 2006. Six thousands of juvenile cherry salmon were released to Namdae-cheon in May of 2007.