

NPAFC
Doc. 1142
Rev.

Recoveries of Coded Wire Tag for Chum Salmon in Korea in 2007

by

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

November, 2008

THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:

Yeongdong Inland Fisheries Research Institute. 2008. Recoveries of Coded Wire Tag for Chum Salmon in Korea in 2007 (NPAFC Doc. 1142). 2pp. Yeongdong Inland Fisheries Research Institute, NFRDI, Yangyang-gun, Gangwon-do 215-821, Republic of Korea. (Available at <http://www.npafc.org>).

Abstract

Korea has released CWT tagged juvenile chum salmon since 2003 and 78 CWT chum salmon were recovered at Yangyang hatchery during the spawning seasons in 2007. Among 78 chum salmon, 35 salmon were male and 43 were female. Most salmon sampled were age 3 (23.1 %) and age 4 (44.9%), which were released in 2005 and 2004.

CWT recoveries

The CWTs were recovered from the spawning season of 2007, and 78 chum salmon with CWT were collected at Yangyang hatchery. Among 78 chum salmon, 35 salmon were male and 43 were female. The fork lengths of chum salmon at each age were 53.2 cm (age 2), 61.3 cm (age 3), 65.3 cm (age 4), and 67.1 cm (age 5). Body weight of age 2 chum salmon was 1.5 kg and those of age 3, 4 and 5 chum salmon were 2.3 kg, 2.8 kg and 3.0 kg, respectively.

Most chum salmon sampled were age 3 and age 4 released in 2005 and 2004. The return rate of chum salmon released in mid or late March was apparently higher (56 %) than that (44 %) in February or early March. Age 2 chum salmon, having CWT 279111 and CWT 279112 were mostly male.

Table2. Information on CWT tagged chum salmon caught in 2007

CWT number	# of catch (percent)	female	male	released month and year	age
279001	7 (9%)	4	3	Feb. 2003	5
279002	9 (12%)	5	4	mid March 2003	5
279003	16 (21%)	10	6	early March 2004	4
279004	19 (24%)	12	7	late March 2004	4
279005	7 (9%)	4	3	early March 2005	3
279006	11 (14%)	7	4	mid March 2005	3
279111	4 (5%)	0	4	early March 2006	2
279112	5 (6%)	1	4	mid March 2006	2
total	78 (100%)	43	35		