

Preliminary 2005 Salmon Enhancement Production in Japan

by

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Four species of Pacific salmon (chum, pink, masu, and sockeye salmon) are currently enhanced in Japan. A total of 2,002 million juveniles and smolts were released from Japanese hatcheries in 2005 (Tables 1 and 2). Approximately 1,844 million chum salmon fry were released in the spring of 2005, the almost same level as in the previous year. Japanese hatcheries also released 146 million pink salmon fry, 11,702 thousand juveniles and smolts of masu salmon, and 464 thousand juveniles and smolts of sockeye salmon.

In 2005, a total of 7,436 thousand adult salmon were captured in rivers along the Japanese coasts (Tables 3 and 4). Chum and pink salmon accounted for 87.9 % and 12.0 % of the total river catches, respectively. Within Hokkaido, the number of adult returns was 4,024 fishes for anadromous masu salmon, and 592 fishes for anadromous sockeye salmon.

Table 1. Number (in thousands) of anadromous salmon releases from Japanese hatcheries in 2005.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	656,936	464	608,885	46,960	627
Japan Sea Coast	195,637		189,181		6,456
Okhotsk Sea Coast	308,274		208,066	98,943	1,265
Honshu					
Pacific Coast	665,269		664,899		370
Japan Sea Coast	176,341		173,357		2,984
Total	2,002,457	464	1,844,388	145,903	11,702

Table 2. Weight (in tonnes) of anadromous salmon releases from Japanese hatcheries in 2005.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	871.7	5.7	841.2	18.3	6.5
Japan Sea Coast	252.5		194.9		57.6
Okhotsk Sea Coast	273.6		233.0	32.6	8.0
Honshu					
Pacific Coast	969.3		963.0		6.3
Japan Sea Coast	195.1		177.8		17.3
Total	2,562.2	5.7	2,409.9	50.9	95.7

Table 3. Number (in thousands) of adult salmon caught in rivers along Japanese coasts in 2005.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	1,637.7	0.6	1,517.2	119.2	0.7
Japan Sea Coast	888.7		886.2		2.5
Okhotsk Sea Coast	2,217.2		1,441.2	775.2	0.8
Honshu					
Pacific Coast	2,075.6		2,075.6		**
Japan Sea Coast	616.4		616.4		**
Total	7,435.6	0.6	6,536.6	894.4	4.0

** Data not available.

Table 4. Weight (in tonnes) of adult salmon caught in rivers along Japanese coasts in 2005.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	5,642.0	0.6	5,438.4	202.3	0.7
Japan Sea Coast	3,027.1		3,021.9		5.2
Okhotsk Sea Coast	6,462.5		5,260.3	1,201.5	0.7
Honshu					
Pacific Coast	7,638.0		7,638.0		**
Japan Sea Coast	2,212.8		2,212.8		**
Total	24,982.4	0.6	23,571.4	1,403.8	6.6

** Data not available.