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Preliminary 2004 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 1,977 million juveniles and smolts were released from Japanese hatcheries in 2004 (Tables 1 and 2). Approximately 1,817 million chum salmon fry were released in the spring of 2004, the almost same level as in the previous year. Japanese hatcheries also released 145 million pink salmon fry, 14,684 thousand juveniles and smolts of masu salmon, and 168 thousand juveniles and smolts of sockeye salmon.

In 2004, a total of 8,056 thousand adult salmon were captured in rivers along the Japanese coasts (Tables 3 and 4). Chum and pink salmon accounted for 91.8 % and 8.1 % of the total river catches, respectively. Within Hokkaido, the number of adult returns was 9,752 fishes for anadromous masu salmon, and 496 fishes for anadromous sockeye salmon.

Table 1. Number (in thousands) of anadromous salmon released from Japanese hatcheries in 2004.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	646,735	168	597,750	48,279	538
Japan Sea Coast	195,263		187,977		7,286
Okhotsk Sea Coast	304,697		206,841	96,816	1,040
Honshu					
Pacific Coast	659,789		658,816		973
Japan Sea Coast	170,722		165,874		4,848
Total	1,977,205	168	1,817,258	145,095	14,685

Table 2. Weight (in tonnes) of anadromous salmon released from Japanese hatcheries in 2004.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	894.1	3.1	866.3	19.6	5.1
Japan Sea Coast	260.1		200.3		59.8
Okhotsk Sea Coast	270.8		230.4	36.4	4.0
Honshu					
Pacific Coast	954.1		946.9		7.2
Japan Sea Coast	195.9		173.5		22.4
Total	2,575.0	3.1	2,417.4	56.0	98.5

Table 3. Number (in thousands) of adult salmon caught in rivers along Japanese coasts in 2004.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	1,873.7	0.5	1,803.7	68.9	0.6
Japan Sea Coast	969.0		965.7		3.3
Okhotsk Sea Coast	2,804.5		2,214.2	584.4	5.9
Honshu					
Pacific Coast	1,792.2		1,792.2		**
Japan Sea Coast	616.4		616.4		**
Total	8,055.8	0.5	7,392.2	653.3	9.8

** Data not available.

Table 4. Weight (in tonnes) of adult salmon caught in rivers along Japanese coasts in 2004.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	6,872.6	0.7	6,741.7	129.7	0.5
Japan Sea Coast	3,259.1		3,252.8		6.3
Okhotsk Sea Coast	9,335.1		8,140.6	1,188.2	6.3
Honshu					
Pacific Coast	6,122.2		6,122.2		**
Japan Sea Coast	2,134.2		2,134.2		**
Total	27,723.2	0.7	26,391.5	1,317.9	13.1

** Data not available.