

Preliminary 1999 Salmon Enhancement Production in Japan

by

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Preliminary 1999 Salmon Enhancement Production in Japan

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Four species of Pacific salmon (chum, pink, masu, and sockeye salmon) are currently enhanced in Japan. A total of 2,026 million juveniles and smolts were released from Japanese hatcheries in 1999 (Tables 1 and 2). Approximately 1,868 million chum salmon fry were released in the spring of 1999, the almost same level as in the previous year. Japanese hatcheries also released 142 million pink salmon fry, 15,565 thousand juveniles and smolts of masu salmon, and 227 thousand juveniles and smolts of sockeye salmon.

In 1999, a total of 4,078 thousand adult salmon were captured in rivers along the Japanese coasts (Tables 3 and 4). Chum and pink salmon accounted for 84.1% and 15.7% of the total river catches, respectively. Within Hokkaido, the number of adult returns was 8,696 fishes for anadromous masu salmon, and 851 fishes for anadromous sockeye salmon.

Table 1. Number (in thousands) of anadromous salmon releases from Japanese hatcheries in 1999.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	652,430	227	600,741	48,987	2,475
Japan Sea Coast	195,442	0	188,824	0	6,618
Okhotsk Sea Coast	301,741	0	206,685	93,102	1,954
Honshu					
Pacific Coast	684,252	0	683,727	0	525
Japan Sea Coast	191,917	0	187,924	0	3,993
Total	2,025,782	227	1,867,901	142,089	15,565

Table 2. Weight (in tonnes) of anadromous salmon releases from Japanese hatcheries in 1999.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	806	2	766	28	10
Japan Sea Coast	219	0	174	0	45
Okhotsk Sea Coast	232	0	189	32	11
Honshu					
Pacific Coast	914	0	904	0	10
Japan Sea Coast	201	0	188	0	14
Total	2,373	2	2,220	61	90

Table 3. Number (in thousands) of adult salmon caught in rivers along Japanese coasts in 1999.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	989	1	857	130	3
Japan Sea Coast	448	**	445	0	2
Okhotsk Sea Coast	1,408	**	894	509	4
Honshu					
Pacific Coast	964	**	964	**	**
Japan Sea Coast	270	**	270	**	**
Total	4,078	1	3,429	639	9

** Data not available.

Table 4. Weight (in tonnes) of adult salmon caught in rivers along Japanese coasts in 1999.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	3,299	1	3,089	208	2
Japan Sea Coast	1,482	**	1,478	0	4
Okhotsk Sea Coast	4,151	**	3,239	909	3
Honshu					
Pacific Coast	3,629	**	3,629	**	**
Japan Sea Coast	1,014	**	1,014	**	**
Total	13,576	1	12,449	1,117	9

** Data not available.