

# **Preliminary 1998 Salmon Enhancement Production in Japan**

by

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## **Preliminary 1998 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 2,030 million juveniles and smolts were released from Japanese hatcheries in 1998 (Tables 1 and 2). Approximately 1,874 million chum salmon fry were released in the spring of 1998, and the number of releases has gradually decreased since 1995. Japanese hatcheries also released 141 million pink salmon fry, 14,979 thousand juveniles and smolts of masu salmon, and 441 thousand juveniles and smolts of sockeye salmon.

In 1998, a total of 6,402 thousand adult salmon were captured in rivers along the Japanese coasts (Tables 3 and 4). Chum and pink salmon accounted for 79.2% and 20.4% of the total river catches, respectively. The number of adult returns was 25 thousand fishes for anadromous masu salmon, and 428 fishes for anadromous sockeye salmon.

**Table 1.** Number (in thousands) of anadromous salmon releases from Japanese hatcheries in 1998.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
<b>Hokkaido</b>					
Pacific Coast	646,380	441	595,805	47,495	2,639
Japan Sea Coast	200,570	0	193,428	1,006	6,136
Okhotsk Sea Coast	301,227	0	207,807	92,051	1,369
<b>Honshu</b>					
Pacific Coast	698,401	0	697,758	0	643
Japan Sea Coast	183,280	0	179,088	0	4,192
<b>Total</b>	<b>2,029,858</b>	<b>441</b>	<b>1,873,886</b>	<b>140,552</b>	<b>14,979</b>

**Table 2.** Weight (in tonnes) of anadromous salmon releases from Japanese hatcheries in 1998.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
<b>Hokkaido</b>					
Pacific Coast	835	9	783	27	16
Japan Sea Coast	249	0	187	0	62
Okhotsk Sea Coast	256	0	213	34	9
<b>Honshu</b>					
Pacific Coast	975	0	963	0	12
Japan Sea Coast	226	0	199	0	27
<b>Total</b>	<b>2,541</b>	<b>9</b>	<b>2,345</b>	<b>61</b>	<b>126</b>

**Table 3.** Number (in thousands) of adult salmon caught in rivers along Japanese coasts in 1998.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	1,658	0*	1,462	192	4
Japan Sea Coast	455	**	452	**	3
Okhotsk Sea Coast	2,358	**	1,237	1,113	8
Honshu					
Pacific Coast	1,660	**	1,659	**	1
Japan Sea Coast	271	**	262	**	9
<b>Total</b>	<b>6,402</b>	<b>0*</b>	<b>5,072</b>	<b>1,305</b>	<b>25</b>

\* 428 fishes.

\*\* No data available.

**Table 4.** Weight (in tonnes) of adult salmon caught in rivers along Japanese coasts in 1998.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	4,807	0*	4,532	269	6
Japan Sea Coast	1,406	**	1,401	**	5
Okhotsk Sea Coast	5,781	**	4,082	1,692	7
Honshu					
Pacific Coast	4,809	**	4,808	**	1
Japan Sea Coast	780	**	760	**	20
<b>Total</b>	<b>17,583</b>	<b>0*</b>	<b>15,583</b>	<b>1,961</b>	<b>39</b>

\* 466 kg.

\*\* No data available.