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# **Preliminary 2001 Salmon Enhancement Production in Japan**

by

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## **Preliminary 2001 Salmon Enhancement Production in Japan**

National Salmon Resources Center

Four species of Pacific salmon (chum, pink, masu, and sockeye salmon) are currently enhanced in Japan. A total of 1,989 million juveniles and smolts were released from Japanese hatcheries in 2001 (Tables 1 and 2). Approximately 1,831 million chum salmon fry were released in the spring of 2001, the almost same level as in the previous year. Japanese hatcheries also released 143 million pink salmon fry, 15,041 thousand juveniles and smolts of masu salmon, and 220 thousand juveniles and smolts of sockeye salmon.

In 2001, a total of 4,055 thousand adult salmon were captured in rivers along the Japanese coasts (Tables 3 and 4). Chum and pink salmon accounted for 89.9 % and 10.0 % of the total river catches, respectively. Within Hokkaido, the number of adult returns was 4,126 fishes for anadromous masu salmon, and 130 fishes for anadromous sockeye salmon. The adult returns of both species extremely reduced from the previous year.

**Table 1.** Number (in thousands) of anadromous salmon releases from Japanese hatcheries in 2001.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
<b>Hokkaido</b>					
Pacific Coast	651,088	220.0	601,689	48,470	709.0
Japan Sea Coast	204,512	0	195,909	0	8,603.0
Okhotsk Sea Coast	315,006	0	219,750	94,254	1,002.0
<b>Honshu</b>					
Pacific Coast	640,157	0	639,862	0	295.0
Japan Sea Coast	178,374	0	173,942	0	4,432.0
<b>Total</b>	<b>1,989,137</b>	<b>220.0</b>	<b>1,831,152</b>	<b>142,724</b>	<b>15,041.0</b>

**Table 2.** Weight (in tonnes) of anadromous salmon releases from Japanese hatcheries in 2001.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
<b>Hokkaido</b>					
Pacific Coast	801.0	3.5	764.1	28.1	5.2
Japan Sea Coast	245.7	0	180.2	0	65.5
Okhotsk Sea Coast	240.6	0	202.2	33.0	5.4
<b>Honshu</b>					
Pacific Coast	851.7	0	844.7	0	7.1
Japan Sea Coast	173.9	0	173.9	0	**
<b>Total</b>	<b>2,312.9</b>	<b>3.5</b>	<b>2,165.1</b>	<b>61.1</b>	<b>83.2</b>

\*\* Data not available

**Table 3.** Number (in thousands) of adult salmon caught in rivers along Japanese coasts in 2001.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
<b>Hokkaido</b>					
Pacific Coast	1,417.6	0.1	1,328.8	88.4	0.3
Japan Sea Coast	403.2	**	402.2	0	1.1
Okhotsk Sea Coast	817.7	**	497.9	317.1	2.8
<b>Honshu</b>					
Pacific Coast	1,077.1	**	1,077.1	**	**
Japan Sea Coast	339.4	**	339.4	**	**
<b>Total</b>	<b>4,055.1</b>	<b>0.1</b>	<b>3,645.3</b>	<b>405.5</b>	<b>4.1</b>

\*\* Data not available.

**Table 4.** Weight (in tonnes) of adult salmon caught in rivers along Japanese coasts in 2001.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
<b>Hokkaido</b>					
Pacific Coast	4,808.9	0.5	4,664.0	144.2	0.2
Japan Sea Coast	1,300.9	**	1,299.1	0	1.7
Okhotsk Sea Coast	2,253.7	**	1,747.5	504.1	2.1
<b>Honshu</b>					
Pacific Coast	3,468.3	**	3,468.3	**	**
Japan Sea Coast	1,252.3	**	1,252.3	**	**
<b>Total</b>	<b>13,084.1</b>	<b>0.5</b>	<b>12,431.2</b>	<b>648.3</b>	<b>4.1</b>

\*\* Data not available.