

NPAFC

Doc. 334

Rev. \_\_\_\_\_

## **Preliminary 1997 Salmon Enhancement Production in Japan**

by

Fisheries Agency of Japan

*Ministry of Agriculture, Forestry and Fisheries*

*1-2-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8907, Japan*

Submitted to the

**NORTH PACIFIC ANADROMOUS FISH COMMISSION**

by the

**JAPAN NATIONAL SECTION**

October 1998

**THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:**

Fisheries Agency of Japan. 1998. Preliminary 1997 Salmon Enhancement Production in Japan. (NPAFC Doc. 334) 3 p. Fisheries Agency of Japan, Ministry of Agriculture, Forestry and Fisheries, Kasumigaseki, Chiyoda-ku, Tokyo 100-8907, Japan.

## **Preliminary 1997 Salmon Enhancement Production in Japan**

Fisheries Agency of Japan

Four species of Pacific salmon (chum, pink, masu, and sockeye salmon) are currently enhanced in Japan. A total of 2,097 million juveniles and smolts were released from Japanese hatcheries in 1997 (Table 1). The annual number of releases has been almost stable since 1983. Approximately 1,942 million chum salmon fry were released in the spring of 1997, accounting for 92.6% of the total releases. Japanese hatcheries also released 136 million pink salmon fry, 17,439 thousand juveniles and smolts of masu salmon, and 807 thousand juveniles and smolts of sockeye salmon.

In 1997, 6,020 thousand adult salmon were captured in rivers along the Japanese coasts (Table 2). Chum and pink salmon accounted for 91.1% and 8.7% of the total river catches, respectively. The number of adult returns was 14 thousand fishes for masu salmon, but only 273 fishes for anadromous sockeye salmon.

**Table 1a.** Number (in thousands) of anadromous salmon releases from Japanese hatcheries in 1997.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
<b>Hokkaido</b>					
Pacific Coast	646,436	807	595,061	48,552	2,016
Japan Sea Coast	205,920	—*	195,918	2,012	7,990
Okhotsk Sea Coast	297,396	—	207,871	86,142	3,383
<b>Honshu</b>					
Pacific Coast	721,796	—	720,925	—	871
Japan Sea Coast	225,910	—	222,731	—	3,179
<b>Total</b>	<b>2,097,458</b>	<b>807</b>	<b>1,942,506</b>	<b>136,706</b>	<b>17,439</b>

\* no release.

**Table 1b.** Weight (in tonnes) of anadromous salmon releases from Japanese hatcheries in 1997.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
<b>Hokkaido</b>					
Pacific Coast	881	11	822	34	14
Japan Sea Coast	235	—*	196	1	38
Okhotsk Sea Coast	261	—	215	32	14
<b>Honshu</b>					
Pacific Coast	971	—	960	—	11
Japan Sea Coast	260	—	237	—	23
<b>Total</b>	<b>2,608</b>	<b>11</b>	<b>2,430</b>	<b>67</b>	<b>100</b>

\* No release.

**Table 2a.** Number (in thousands) of adult salmon captured in rivers along Japanese coasts in 1997.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
<b>Hokkaido</b>					
Pacific Coast	1,825	0	1,718	104	3
Japan Sea Coast	475	**	472	**	3
Okhotsk Sea Coast	1,818	**	1,394	419	5
<b>Honshu</b>					
Pacific Coast	1,712	**	1,711	**	1
Japan Sea Coast	190	**	188	**	2
<b>Total</b>	<b>6,020</b>	<b>0</b>	<b>5,483</b>	<b>523</b>	<b>14</b>

\*\* No data available.

**Table 2b.** Weight (in tonnes) of adult salmon caught in rivers along Japanese coasts in 1997.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
<b>Hokkaido</b>					
Pacific C.	6,319	0	6,130	184	5
Japan Sea C.	1,606	***	1,601	***	5
Okhotsk Sea C.	5,091	***	4,337	750	4
<b>Honshu</b>					
Pacific C.	5,930	**	5,928	**	2
Japan Sea C.	597	**	592	**	5
<b>Total</b>	<b>19,543</b>	<b>0</b>	<b>18,588</b>	<b>934</b>	<b>21</b>

\*\* No data available.