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by

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Preliminary 2017 Salmon Enhancement Production in Japan

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Four species of anadromous Pacific salmon (chum, pink, masu, and sockeye salmon) are currently enhanced in Japan. A total of 1,760 million fry, juveniles and smolts were released from Japanese hatcheries in 2017 (Tables 1 and 2). Number of chum salmon fry released in the spring of 2017 was approximately 1,630 million fish. Japanese hatcheries also released 121 million pink salmon fry, 8,986 thousand masu salmon fry, juveniles and smolts, and 82 thousand sockeye salmon fry and smolts in the spring and fall of 2017.

In 2017, the number of adult salmon captured in rivers along the Japanese coasts was 2,762 thousand fish (Table 3), which corresponded to 8,992 metric tonnes in weight (Table 4). The dominant and second dominant species were chum and pink salmon, contributing 93.2% and 6.7% in numbers of all salmon captured in rivers, respectively. Adult masu salmon occur in rivers of both Hokkaido and Honshu, but number of catches was not available in Honshu. The number of adult masu salmon caught in rivers of Hokkaido was approximately 3.4 thousand fish. Anadromous sockeye salmon were caught in two rivers along the Pacific coast of Hokkaido, where the number of catches was 381 fish.

Table 1. Number (in thousands) of anadromous salmon released from Japanese hatcheries in 2017.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	602,297	82	589,404	12,387	424
Japan Sea Coast	203,666		197,247	2,569	3,850
Okhotsk Sea Coast	363,665		256,959	105,734	972
Honshu					
Pacific Coast	466,314		465,784		530
Japan Sea Coast	124,261		121,051		3,210
Total	1,760,203	82	1,630,445	120,690	8,986

Table 2. Weight (in tonnes) of anadromous salmon released from Japanese hatcheries in 2017.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	782.1	1.5	774.7	3.4	2.6
Japan Sea Coast	251.3		213.4	0.6	37.4
Okhotsk Sea Coast	347.2		313.4	30.1	3.7
Honshu					
Pacific Coast	537.9		529.8		8.1
Japan Sea Coast	125.0		110.6		14.4
Total	2,043.6	1.5	1,941.9	34.0	66.2

Table 3. Number (in thousands) of adult salmon caught in rivers along Japanese coasts in 2017.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	526.1	0.4	512.2	12.8	0.8
Japan Sea Coast	388.4		387.5		1.0
Okhotsk Sea Coast	917.5		744.8	171.0	1.7
Honshu					
Pacific Coast	602.8		602.8		NA*
Japan Sea Coast	327.0		327.0		NA*
Total	2,761.8	0.4	2,574.1	183.8	3.4

*NA, Data not available.

Table 4. Weight (in tonnes) of adult salmon caught in rivers along Japanese coasts in 2017.

Area	Total	Species			
		Sockeye	Chum	Pink	Masu
Hokkaido					
Pacific Coast	1,665.8	0.4	1,643.0	21.7	0.7
Japan Sea Coast	1,261.4		1,259.6		1.7
Okhotsk Sea Coast	2,920.7		2,615.3	303.5	1.9
Honshu					
Pacific Coast	2,042.3		2,042.3		NA*
Japan Sea Coast	1,101.7		1,101.7		NA*
Total	8,991.9	0.4	8,662.0	325.1	4.3

*NA, Data not available.