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Preliminary 2009 Salmon Enhancement Production in Japan

by

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Preliminary 2009 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 1,973 million juveniles and smolts were released from Japanese hatcheries in 2009 (Tables 1 and 2). Approximately 1,808 million chum salmon fry were released in the spring of 2009, the almost same level as in the previous year. Japanese hatcheries also released 150 million pink salmon fry, 14,544 thousand juveniles and smolts of masu salmon, and 312 thousand juveniles and smolts of sockeye salmon.

In 2009, a total of 6,417 thousand adult salmon were captured in rivers along the Japanese coasts (Tables 3 and 4). Chum and pink salmon accounted for 79.3 % and 20.5 % of the total river catches, respectively. Within Hokkaido, the number of adult returns was 12,923 fishes for anadromous masu salmon, and 1,263 fishes for anadromous sockeye salmon.

Table 1. Number (in thousands) of anadromous salmon releases from Japanese hatcheries in 2009.

| Area | Total | Species | | | |
|-------------------|------------------|------------|------------------|----------------|---------------|
| | | Sockeye | Chum | Pink | Masu |
| Hokkaido | | | | | |
| Pacific Coast | 666,368 | 312 | 615,179 | 50,104 | 773 |
| Japan Sea Coast | 176,094 | | 169,232 | | 6,862 |
| Okhotsk Sea Coast | 340,639 | | 239,784 | 99,670 | 1,185 |
| Honshu | | | | | |
| Pacific Coast | 652,450 | | 651,207 | | 1,242 |
| Japan Sea Coast | 137,462 | | 132,981 | | 4,481 |
| Total | 1,973,013 | 312 | 1,808,384 | 149,774 | 14,544 |

Table 2. Weight (in tonnes) of anadromous salmon releases from Japanese hatcheries in 2009.

| Area | Total | Species | | | |
|-------------------|----------------|------------|----------------|-------------|--------------|
| | | Sockeye | Chum | Pink | Masu |
| Hokkaido | | | | | |
| Pacific Coast | 885.5 | 4.9 | 858.5 | 15.0 | 7.0 |
| Japan Sea Coast | 252.5 | | 191.3 | | 61.2 |
| Okhotsk Sea Coast | 344.3 | | 300.3 | 37.3 | 6.7 |
| Honshu | | | | | |
| Pacific Coast | 900.0 | | 885.8 | | 14.2 |
| Japan Sea Coast | 166.7 | | 142.6 | | 24.0 |
| Total | 2,549.0 | 4.9 | 2,378.6 | 52.3 | 113.2 |

Table 3. Number (in thousands) of adult salmon caught in rivers along Japanese coasts in 2009.

| Area | Total | Species | | | |
|-------------------|----------------|------------|----------------|----------------|-------------|
| | | Sockeye | Chum | Pink | Masu |
| Hokkaido | | | | | |
| Pacific Coast | 1,276.8 | 1.3 | 1,218.4 | 55.4 | 1.7 |
| Japan Sea Coast | 306.0 | | 304.2 | | 1.8 |
| Okhotsk Sea Coast | 2,343.6 | | 1,074.9 | 1,259.3 | 9.4 |
| Honshu | | | | | |
| Pacific Coast | 1,949.0 | | 1949.0 | | ** |
| Japan Sea Coast | 541.2 | | 541.2 | | ** |
| Total | 6,416.6 | 1.3 | 5,087.7 | 1,314.7 | 12.9 |

** Data not available.

Table 4. Weight (in tonnes) of adult salmon caught in rivers along Japanese coasts in 2009.

| Area | Total | Species | | | |
|-------------------|-----------------|------------|-----------------|----------------|-------------|
| | | Sockeye | Chum | Pink | Masu |
| Hokkaido | | | | | |
| Pacific Coast | 4,413.5 | 1.2 | 4,319.2 | 91.4 | 1.7 |
| Japan Sea Coast | 940.2 | | 936.8 | | 3.4 |
| Okhotsk Sea Coast | 5,599.0 | | 3,536.3 | 2,052.7 | 10.0 |
| Honshu | | | | | |
| Pacific Coast | 6,840.9 | | 6,840.9 | | ** |
| Japan Sea Coast | 1,926.7 | | 1,926.7 | | ** |
| Total | 19,720.3 | 1.2 | 17,559.9 | 2,144.1 | 15.1 |

** Data not available.