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# **PRELIMINARY REPORT OF SALMON ENHANCEMENT PRODUCTION IN Japan [1995]**

by

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Total juvenile salmon released from hatcheries stood at about 2.151 billion fish which was 2.6 % less than that in last year (Table 1). Chum salmon releases in 1995 were approximately 93.9 %, and pink salmon were approximately 5.5 % of the total releases. The remaining releases were masu and sockeye salmon. The development stage of chum and pink salmon was the fry stage, that of masu and sockeye salmon contained fry, juvenile, and smolt stages.

In 1995, adult salmon captured for the enhancement program totalled about 6.0 million fish, of which approximately 92.2 % were chum, and 4.0 % were pink salmon (Table 2).

Table 1a. Production of artificially-reared anadromous juvenile salmonids by species and region in thousands of fish (Japan 1995).

| Region<br>Area | Species   |         |           |         |        |
|----------------|-----------|---------|-----------|---------|--------|
|                | Total     | Sockeye | Chum      | Pink    | Masu   |
| Hokkaido       |           |         |           |         |        |
| Pacific C.     | 677,093   | 905     | 643,842   | 29,545  | 2,801  |
| Japan Sea C.   | 205,834   | -       | 197,585   | 1,895   | 6,354  |
| Okhotsk Sea C. | 309,419   | -       | 222,004   | 86,480  | 935    |
| Honshu         |           |         |           |         |        |
| Pacific C.     | 708,326   | -       | 707,621   | -       | 705    |
| Japan Sea C.   | 250,565   | -       | 248,319   | -       | 2,246  |
| Total          | 2,151,237 | 905     | 2,019,371 | 117,920 | 13,041 |

Note: - = no production in this area

Table 1b. Production of artificially-reared anadromous juvenile salmonids by species and region in tons (Japan 1995).

| Region<br>Area | Species |         |       |      |      |
|----------------|---------|---------|-------|------|------|
|                | Total   | Sockeye | Chum  | Pink | Masu |
| Hokkaido       |         |         |       |      |      |
| Pacific C.     | 902     | 12      | 850   | 22   | 18   |
| Japan Sea C.   | 223     | -       | 200   | 1    | 23   |
| Okhotsk Sea C. | 254     | -       | 211   | 35   | 8    |
| Honshu         |         |         |       |      |      |
| Pacific C.     | 889     | -       | 877   | -    | 12   |
| Japan Sea C.   | 313     | -       | 305   | -    | 8    |
| Total          | 2,583   | 12      | 2,443 | 58   | 69   |

Note: - = no production in this area

Table 2a. Salmon adult capture in rivers by species and region in thousands of fish (Japan 1995).

| Region<br>Area | Species |         |       |      |      |
|----------------|---------|---------|-------|------|------|
|                | Total   | Sockeye | Chum  | Pink | Masu |
| Hokkaido       |         |         |       |      |      |
| Pacific C.     | 1,853   | 2       | 1,664 | 183  | 4    |
| Japan Sea C.   | 979     | ***     | 978   | 0    | 1    |
| Okhotsk Sea C. | 1,471   | ***     | 1,195 | 270  | 6    |
| Honshu         |         |         |       |      |      |
| Pacific C.     | 1,286   | ***     | 1,285 | ***  | 1    |
| Japan Sea C.   | 406     | ***     | 405   | ***  | 1    |
| Total          | 5,995   | 2       | 5,527 | 453  | 13   |

Note: \*\*\* = no data available

Table 2b. Salmon adult capture in rivers by species and region in tons (Japan 1995).

| Region<br>Area | Species |         |        |      |      |
|----------------|---------|---------|--------|------|------|
|                | Total   | Sockeye | Chum   | Pink | Masu |
| Hokkaido       |         |         |        |      |      |
| Pacific C.     | 5,779   | 2       | 5,496  | 277  | 4    |
| Japan Sea C.   | 3,034   | ***     | 3,032  | 0    | 2    |
| Okhotsk Sea C. | 4,351   | ***     | 3,884  | 462  | 6    |
| Honshu         |         |         |        |      |      |
| Pacific C.     | 4,062   | ***     | 4,061  | ***  | 1    |
| Japan Sea C.   | 1,266   | ***     | 1,264  | ***  | 2    |
| Total          | 18,492  | 2       | 17,736 | 739  | 15   |

Note: \*\*\* = no data available