

Table 1. Reported number of Atlantic salmon escaping from Washington and British Columbia fish farms into the marine environment, 1996 through 2010.

| Year | Washington State ⁽¹⁾ | British Columbia ⁽²⁾ |
|------|---------------------------------|---------------------------------|
| 1996 | 107,000 | 13,137 |
| 1997 | 369,000 | 7,472 |
| 1998 | 22,639 | 80,975 |
| 1999 | 115,000 | 35,954 |
| 2000 | 0 | 31,855 |
| 2001 | 0 | 55,414 |
| 2002 | 0 | 11,257 |
| 2003 | 0 | 30 |
| 2004 | 24,552 | 43,969 |
| 2005 | 2,500 | 21 |
| 2006 | 0 | 17 |
| 2007 | 0 | 19,223 |
| 2008 | 0 | 111,679 |
| 2009 | 0 | 48,857 |
| 2010 | 0 | 0 |

(Some data may be subject to revision)

- (1) Source: Washington Department of Fish and Wildlife <http://wdfw.wa.gov/fish/atlantic/comcatch.htm> (this is now a dead link, however data through 2005 was taken from this site, we are not aware of any reported escapes since 2005).
- (2) Province of British Columbia, Ministry of Agriculture and Lands: http://www.agf.gov.bc.ca/fisheries/escape/escape_reports.htm (Note: the source of this data was the Province of BC {Ministry of Agriculture}, but it was pulled from web in December 2010, as aquaculture oversight was transferred from provincial to federal {DFO} oversight in December 2010. According to the DFO (Pacific Region) website, “It is anticipated that fish escape data on a site-by-site basis will be posted monthly beginning in April 2011”. Go to -- <http://www.pac.dfo-mpo.gc.ca/aquaculture/reporting-rapports/escape-echappee-eng.htm>. For 2010, we are not aware of any reported escapes in BC.

Table 2. Reported number of marine and (freshwater) Atlantic salmon adult captures from Washington and British Columbia fish farms, 1987 through 2010.

| Year | WA | BC | AK |
|------|------|---------|----|
| 1987 | | 1 (1) | |
| 1988 | | 106 (0) | |
| 1989 | | 8 (0) | |
| 1990 | 453 | 2 (3) | 1 |
| 1991 | 1029 | 31 (8) | 7 |
| 1992 | 166 | 349(48) | 2 |

| | | | |
|------|---------------------|-------------|-----|
| 1993 | 250 | 4,543 (23) | 27 |
| 1994 | 378 | 1,037 (50) | 27 |
| 1995 | 207 | 678 (57) | 24 |
| 1996 | 138 ⁽¹⁾ | 673 (211) | 135 |
| 1997 | 2356 ⁽¹⁾ | 2,664 (129) | 77 |
| 1998 | 48 | 136 (90) | 155 |
| 1999 | 42 ⁽¹⁾ | 190 (184) | 19 |
| 2000 | 16 | 7,834 (131) | 81 |
| 2001 | 20 | 179 (116) | 35 |
| 2002 | 2 | 562 (40) | 6 |
| 2003 | 19 | 46 (36) | 3 |
| 2004 | 22 | 148 (0) | 1 |
| 2005 | 0 | 27 (2) | 3 |
| 2006 | 11 | 225 (1) | 1 |
| 2007 | 2 | 21 (5) | 3 |
| 2008 | 4 | — | 39 |
| 2009 | 0 | — | 2 |
| 2010 | 1 | — | 9 |

(1) Includes hatchery recoveries.

Sources: Washington Department of Fish and Wildlife, Department of Fisheries and Oceans, Canada; Alaska Department of Fish and Game (*some data may be subject to revision*). ADFG capture data from 1994-2002 can be found at:

http://www.adfg.alaska.gov/static/species/nonnative/invasive/pdfs/atlantic_salmon_1994_2002.pdf

Table 3: Freshwater juvenile Atlantic salmon recoveries from Washington and British Columbia, 1987 through 2010.

| Year | Washington ⁽¹⁾ | | | | British Columbia ⁽²⁾ |
|------|---------------------------|---------------------|----------------|---------------|---------------------------------|
| | Mayfield Trap (Cowlitz) | Chehalis River Trap | Snorkel Survey | | |
| | | | Cinnabar Creek | Scatter Creek | |
| 1987 | | 18 | | | |
| 1988 | | 22 | | | |
| 1989 | | No Data | | | |
| 1990 | | No Data | | | |
| 1991 | | No Data | | | |
| 1992 | 18 | No Data | | | |
| 1993 | 17 | 5 | | | |
| 1994 | 49 | 8 | | | |

| | | | | | |
|------|-----|-----|----------------|--------------------------------|-----|
| 1995 | 58 | 24 | | | |
| 1996 | 8 | 183 | | | 54 |
| 1997 | 2 | 5 | | | 23 |
| 1998 | 25 | 7 | | | 114 |
| 1999 | 59 | 9 | | | 150 |
| 2000 | 125 | 22 | | | 12 |
| 2001 | 18 | 0 | | | 3 |
| 2002 | 10 | 17 | | | — |
| 2003 | 4 | 1 | 3 | 142 captured (414 observed) | — |
| 2004 | 17 | 12 | 0 | 3 captured (28 observed) | — |
| 2005 | 3 | 2 | 0 | 0 | — |
| 2006 | 8 | 4 | 0 | 4 captured (25 observed) | — |
| 2007 | 3 | 1 | 0 | 3 captured | — |
| 2008 | 10 | — | 0 | 0 | — |
| 2009 | 1 | 0 | No sampling | No sampling | — |
| 2010 | 0 | 0 | No sampling | 0 | — |

Sources:

1. Washington Department of Fish and Wildlife (*some data may be subject to revision*).
2. Waknitz et al. (2002)

Note: Chehalis River Fish Trap: It is impossible to estimate the number of juvenile Atlantic salmon (presumed escapes from the Scatter Creek hatchery) that migrate past the trap, because the scoop traps that are used only reach 2-3 feet into the water column and do not span the entire river.

Literature Cited

Waknitz, F.W., T.J. Tynan, C.E. Nash, R.N. Iwamoto, and L.G. Rutter. 2002. *Review of Potential Impacts of Atlantic Salmon Culture on Puget Sound Chinook Salmon and Hood Canal Summer-Run Chum Salmon Evolutionarily Significant Units*. U.S. Department of Commerce, NOAA Technical Memorandum NMFS-NWFSC-53, 83 pages.
<http://www.nwfsc.noaa.gov/publications/techmemos/tm53/tm53.html>

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