475

**State of Alaska**
**Department of Fish and Game**
**Division of Sport Fish**

**Nomination Form**
**Anadromous Waters Catalog**

Region: Southcentral

USGS Quad(s): Cordova B-7, C-7

Anadromous Waters Catalog Number of Waterway: 228-30-18440

Name of Waterway: Makarka ~~Makaka~~ Creek

☑ USGS Name ☐ Local Name

☐ Addition ☐ Deletion ☐ Correction ☑ Backup Information

For Office Use

| | | | |
|---|---|---|---|
| Nomination # | 100311 | Fisheries Scientist | 2/19/10 Date |
| Revision Year: | 2011 | Habitat Operations Manager | 2/24/10 Date |
| Revision to: Atlas ____ Catalog ____ Both X | | AWC Project Biologist | 19 Feb 10 Date |
| Revision Code: | B-1, C-2 | Cartographer | 10/26/10 Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|---|---|---|---|---|---|
| Pink | 1979-2006 | | | X | ☑ |
| Chum | 1979-2006 | | | X | ☑ |
| | | | | | ☐ |
| | | | | | ☐ |
| | | | | | ☐ |

**IMPORTANT**: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

**Comments:** Aerial surveys have been conducted on this system since 1979 and observers have documented the presence of chum and pink salmon. See the attached aerial survey spreadsheets for substantiation.

Loca 1# 844
Add chum salmon present to stream

Name of Observer (please print): Cordova CF Staff
Signature:
Agency: Alaska Department of Fish & Game
Address: PO Box 669, Cordova, AK 99574
Date: 11/2/2009

Date: _____

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____

Name of Area Biologist (please print):

Revision 05/08

| Index Stream? | 1 |
|---|---|

1 = index Stream and 0 = non index stream

Sum of C_AUC (1979–1988)

| District | SubDist | Stream | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 227 | 10 | 726 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 738 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 739 | 0 | 383 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,550 |
| | | 740 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,700 |
| | | 741 | 0 | 1,782 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 20 | 744 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 745 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 746 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 747 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 748 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 749 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 752 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 753 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 754 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 758 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 759 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 768 | 0 | 0 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 770 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 771 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 775 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 788 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 | 738 | NA | NA | NA | NA | NA | NA | NA | NA | 0 | NA |
| 228 | 10 | 862 | 0 | 0 | 0 | 0 | 0 | 0 | 4,797 | 0 | 0 | 0 |
| | 20 | 828 | NA | NA | NA | NA | NA | 0 | NA | NA | NA | NA |
| | | 833 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 834 | 0 | 7,400 | 1,332 | 0 | 0 | 0 | 0 | 2,000 | 0 | 0 |
| | | 835 | 0 | 2,175 | 2,298 | 0 | 0 | 0 | 0 | 7,000 | 7,900 | 700 |
| | | 836 | 0 | 150 | 2,715 | 0 | 3,830 | 0 | 0 | 0 | 2,700 | 0 |
| | | 837 | 0 | 750 | 0 | 0 | 0 | 0 | 0 | 3,064 | 1,275 | 145 |
| | | 839 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 450 | 145 |
| | 30 | 844 | 0 | 0 | 0 | 0 | 850 | 175 | 0 | 0 | 0 | 0 |
| | | 847 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,550 | 0 |
| | | 849 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 850 | 0 | 0 | 0 | 8,000 | 1,700 | 0 | 0 | 0 | 11,162 | 3,400 |
| | | 851 | 0 | 0 | 0 | 766 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 856 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 857 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 858 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 861 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14,128 | 700 |
| | | 862 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 821 | NA | NA | NA | NA | NA | NA | NA | 17 | NA | NA |
| | | 827 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,388 | 2,150 |
| | | 828 | 0 | 0 | 13,194 | 8,000 | 7,515 | 0 | 0 | 5,000 | 77,178 | 108,900 |
| | | 829 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 766 | 0 |
| | | 831 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 33,659 | 27,450 |
| | 50 | 813 | NA | NA | NA | NA | NA | NA | NA | 175 | NA | NA |
| | | 817 | 0 | 1,500 | 0 | 0 | 0 | 0 | 0 | 0 | 10,704 | 4,900 |
| | | 818 | 0 | 0 | 2,500 | 0 | 0 | 0 | 0 | 0 | 6,101 | 1,125 |
| | | 821 | 0 | 0 | 23,478 | 5,040 | 42,750 | 0 | 0 | 3,030 | 33,080 | 210,652 |
| | 60 | 805 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 806 | 0 | 766 | 0 | 0 | 0 | 0 | 0 | 0 | 2,380 | 9,850 |
| | | 807 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 810 | 0 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 13,906 | 5,300 |
| | | 811 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 475 | 350 |
| | | 812 | 0 | 13,182 | 0 | 0 | 0 | 0 | 0 | 1,150 | 36,883 | 55,200 |
| | | 815 | 68,300 | 78,996 | 134,160 | 211,760 | 173,270 | 48,980 | 27,915 | 162,424 | 309,829 | 709,288 |
| 229 | 10 | 242 | NA | NA | 0 | 0 | NA | NA | 0 | 0 | 0 | NA |
| Grand Total | | | 809,280 | 988,049 | 1,097,161 | 3,367,446 | 5,133,880 | 2,496,514 | 1,221,983 | 3,417,349 | 4,312,508 | 8,157,651 |

Sum of C_AUC (1989–1997)

| District | SubDist | Stream | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 227 | 10 | 726 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 738 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 766 | 0 |
| | | 739 | 0 | 383 | 0 | 553 | 153 | 0 | 0 | 4,000 | 0 |
| | | 740 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,380 | 0 |
| | | 741 | 0 | 3,431 | 0 | 7,575 | 0 | 0 | 12,700 | 25,300 | 15,750 |
| | 20 | 744 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,750 | 0 |
| | | 745 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,150 | 0 |
| | | 746 | 0 | 0 | 150 | 0 | 0 | 0 | 0 | 8,625 | 0 |
| | | 747 | 0 | 383 | 0 | 0 | 0 | 0 | 0 | 18,233 | 14,885 |
| | | 748 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 749 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 752 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 753 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 754 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 758 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 759 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 768 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 770 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 771 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 775 | 0 | 0 | 0 | 0 | 77 | 0 | 0 | 0 | 0 |
| | | 788 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 30 | 738 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 228 | 10 | 862 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,232 | 0 |
| | 20 | 828 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 833 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,790 | 0 |
| | | 834 | 2,100 | 375 | 0 | 0 | 0 | 0 | 0 | 29,166 | 37,600 |
| | | 835 | 33 | 120 | 0 | 0 | 0 | 0 | 0 | 10,215 | 108,000 |
| | | 836 | 0 | 1,107 | 0 | 890 | 0 | 1,000 | 2,850 | 90,130 | 15,214 |
| | | 837 | 0 | 1,800 | 0 | 563 | 0 | 0 | 0 | 112 | 1,800 |
| | | 839 | 700 | 480 | 0 | 0 | 0 | 0 | 0 | 112 | 45,000 |
| | 30 | 844 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,232 | 0 |
| | | 847 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38,300 | 0 |
| | | 849 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,915 | 18,000 |
| | | 850 | 0 | 2,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 851 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 856 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 857 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 858 | 0 | 2,000 | 0 | 0 | 223 | 0 | 0 | 8,370 | 0 |
| | | 861 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 0 |
| | | 862 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40 | 821 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 827 | 16,298 | 1,532 | 0 | 0 | 0 | 0 | 0 | 2,966 | 0 |
| | | 828 | 63,270 | 1,532 | 0 | 6,730 | 18,814 | 3,926 | 21,232 | 44,704 | 64,500 |
| | | 829 | 3,764 | 0 | 0 | 0 | 0 | 0 | 0 | 2,791 | 0 |
| | | 831 | 19,624 | 1,163 | 0 | 730 | 0 | 0 | 0 | 21,600 | 31,000 |
| | 50 | 813 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 817 | 3,050 | 383 | 19 | 0 | 325 | 0 | 0 | 0 | 19,550 |
| | | 818 | 1,300 | 800 | 7,200 | 4,200 | 0 | 0 | 0 | 6,696 | 21,100 |
| | | 821 | 33,470 | 3,023 | 4,916 | 6,985 | 17,473 | 8,419 | 30,229 | 29,270 | 62,340 |
| | 60 | 805 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 766 | 0 |
| | | 806 | 0 | 192 | 7,250 | 0 | 0 | 0 | 0 | 3,830 | 0 |
| | | 807 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 0 |
| | | 810 | 80 | 211 | 4,500 | 0 | 7,800 | 0 | 2,750 | 60,940 | 0 |
| | | 811 | 0 | 0 | 0 | 0 | 0 | 1,500 | 0 | 0 | 3,800 |
| | | 812 | 8,400 | 8,000 | 29,474 | 3,634 | 33,800 | 4,300 | 84,500 | 68,330 | 25,124 |
| | | 815 | 151,148 | 21,187 | 43,994 | 21,804 | 221,768 | 35,764 | 188,681 | 323,222 | 295,800 |
| 229 | 10 | 242 | NA | 1,609 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grand Total | | | 3,633,116 | 4,081,160 | 1,343,379 | 1,166,023 | 1,295,471 | 1,469,093 | 2,333,683 | 3,097,775 | 2,683,324 |

Sum of C_AUC (1998–2006)

| District | SubDist | Stream | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 227 | 10 | 726 | 0 | 0 | 0 | 4,000 | 0 | 0 | 0 | 0 | 0 |
| | | 738 | 8,625 | 0 | 44,700 | 10,935 | 0 | 2,532 | 0 | 0 | 6,003 |
| | | 739 | 28,750 | 2,200 | 213,425 | 22,000 | 0 | 7,898 | 5,113 | 0 | 25,764 |
| | | 740 | 2,875 | 0 | 22,990 | 4,545 | 0 | 210 | 175 | 0 | 3,713 |
| | | 741 | 60,210 | 13,000 | 165,850 | 18,650 | 0 | 15,438 | 3,123 | 0 | 19,966 |
| | 20 | 744 | 0 | 0 | 4,750 | 1,355 | 0 | 225 | 1,450 | 0 | 2,528 |
| | | 745 | 1,150 | 0 | 4,750 | 765 | 0 | 2,213 | 900 | 0 | 2,363 |
| | | 746 | 0 | 0 | 2,375 | 1,145 | 0 | 167 | 1,300 | 0 | 3,632 |
| | | 747 | 2,875 | 38,983 | 251,097 | 22,010 | 2,208 | 5,650 | 6,123 | 0 | 28,188 |
| | | 748 | 0 | 475 | 2,450 | 725 | 0 | 90 | 11,050 | 0 | 317 |
| | | 749 | 0 | 0 | 5,700 | 2,925 | 132 | 435 | 2,400 | 0 | 453 |
| | | 752 | 0 | 3,360 | 19,460 | 3,185 | 0 | 0 | 0 | 0 | 845 |
| | | 753 | 0 | 0 | 0 | 925 | 0 | 77 | 0 | 0 | 113 |
| | | 754 | 0 | 0 | 475 | 720 | 0 | 0 | 0 | 0 | 115 |
| | | 758 | 190 | 543 | 9,508 | 240 | 51 | 0 | 0 | 0 | 3,076 |
| | | 759 | 0 | 0 | 3,082 | 110 | 308 | 2,876 | 1,850 | 0 | 440 |
| | | 768 | 1,150 | 292 | 5,550 | 553 | 425 | 2,277 | 0 | 0 | 320 |
| | | 770 | 0 | 7,108 | 150 | 1,445 | 1,700 | 7,148 | 1,749 | 0 | 860 |
| | | 771 | 0 | 0 | 950 | 180 | 0 | 1,200 | 0 | 0 | 197 |
| | | 774 | 1,150 | 0 | 3,500 | 2,990 | 0 | 4,000 | 0 | 0 | 137 |
| | | 775 | 0 | 1,304 | 5,700 | 2,330 | 0 | 2,650 | 0 | 0 | 327 |
| | | 788 | 1,300 | 0 | 7,018 | 500 | 0 | 2,200 | 0 | 0 | 173 |
| | 30 | 738 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 228 | 10 | 862 | 112 | 0 | 0 | 133 | 0 | 330 | 0 | 0 | 77 |
| | 20 | 828 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 833 | 2,500 | 0 | 0 | 133 | 0 | 8,350 | 0 | 0 | 450 |
| | | 834 | 18,750 | 140 | 6,250 | 10,825 | 12,300 | 164,383 | 15,450 | 0 | 18,699 |
| | | 835 | 21,450 | 0 | 24,996 | 3,327 | 17,311 | 208,032 | 19,200 | 0 | 12,449 |
| | | 836 | 1,700 | 21 | 22,225 | 33,400 | 29,415 | 51,050 | 21,750 | 0 | 10,083 |
| | | 837 | 6,250 | 70 | 7,450 | 835 | 14,700 | 51,850 | 10,850 | 0 | 4,960 |
| | | 839 | 2,500 | 28 | 18,048 | 700 | 27,600 | 56,383 | 1,350 | 1,050 | 1,833 |
| | 30 | 844 | 9,375 | 42 | 0 | 0 | 2,520 | 24,699 | 0 | 0 | 7,859 |
| | | 847 | 11,875 | 0 | 550 | 1,030 | 4,492 | 40,197 | 0 | 0 | 6,373 |
| | | 849 | 2,500 | 0 | 0 | 0 | 1,000 | 3,750 | 0 | 0 | 3,477 |
| | | 850 | 0 | 0 | 0 | 1,175 | 4,130 | 43,139 | 750 | 0 | 2,537 |
| | | 851 | 0 | 0 | 0 | 0 | 0 | 9,850 | 0 | 0 | 1,758 |
| | | 856 | 0 | 0 | 0 | 0 | 100 | 3,188 | 1,800 | 0 | 878 |
| | | 857 | 0 | 0 | 0 | 150 | 700 | 4,050 | 0 | 0 | 557 |
| | | 858 | 0 | 0 | 0 | 725 | 500 | 4,050 | 0 | 0 | 998 |
| | | 861 | 0 | 0 | 0 | 0 | 3,800 | 26,850 | 0 | 0 | 38 |
| | | 862 | 0 | 0 | 0 | 0 | 0 | 13,600 | 0 | 0 | 600 |
| | 40 | 821 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 827 | 3,862 | 0 | 3,520 | 150 | 67,700 | 80,500 | 33,750 | 0 | 8,321 |
| | | 828 | 20,805 | 4,515 | 12,710 | 53,606 | 66,288 | 74,940 | 46,150 | 0 | 20,349 |
| | | 829 | 2,298 | 0 | 1,035 | 1,250 | 1,277 | 24,900 | 10,375 | 0 | 1,266 |
| | | 831 | 39,350 | 8,731 | 19,450 | 19,825 | 34,335 | 50,549 | 21,025 | 0 | 22,725 |
| | 50 | 813 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 817 | 11,490 | 0 | 425 | 9,550 | 56,258 | 37,833 | 2,700 | 0 | 11,333 |
| | | 818 | 7,445 | 700 | 3,875 | 7,191 | 35,396 | 34,266 | 17,700 | 0 | 28,603 |
| | | 821 | 3,878 | 3,640 | 11,524 | 22,458 | 34,808 | 32,616 | 46,300 | 3,725 | 39,709 |
| | 60 | 805 | 0 | 14 | 0 | 0 | 0 | 5,300 | 5,100 | 0 | 317 |
| | | 806 | 1,332 | 364 | 750 | 1,245 | 8,096 | 15,966 | 1,350 | 0 | 18,666 |
| | | 807 | 0 | | 0 | 0 | 2,300 | 16,050 | 0 | 95 | 9,583 |
| | | 810 | 8,340 | 13,640 | 13,855 | 5,030 | 42,300 | 34,550 | 30,800 | 0 | 13,500 |
| | | 811 | 16,170 | 5,491 | 1,941 | 13,350 | 6,800 | 100,310 | 19,130 | 7,300 | 2,293 |
| | | 812 | 76,600 | 15,182 | 61,910 | 38,216 | 418,343 | 299,862 | 92,014 | 39,307 | 102,005 |
| | | 815 | 221,780 | 294,866 | 317,614 | 321,120 | 430,780 | 283,238 | 322,200 | 99,500 | 131,988 |
| 229 | 10 | 242 | 0 | 0 | 0 | 0 | 0 | 4,491 | 0 | 0 | 417 |
| Grand Total | | | 2,416,015 | 3,301,602 | 4,848,912 | 5,463,854 | 3,679,877 | 5,624,068 | 3,603,282 | 3,044,297 | 1,768,869 |

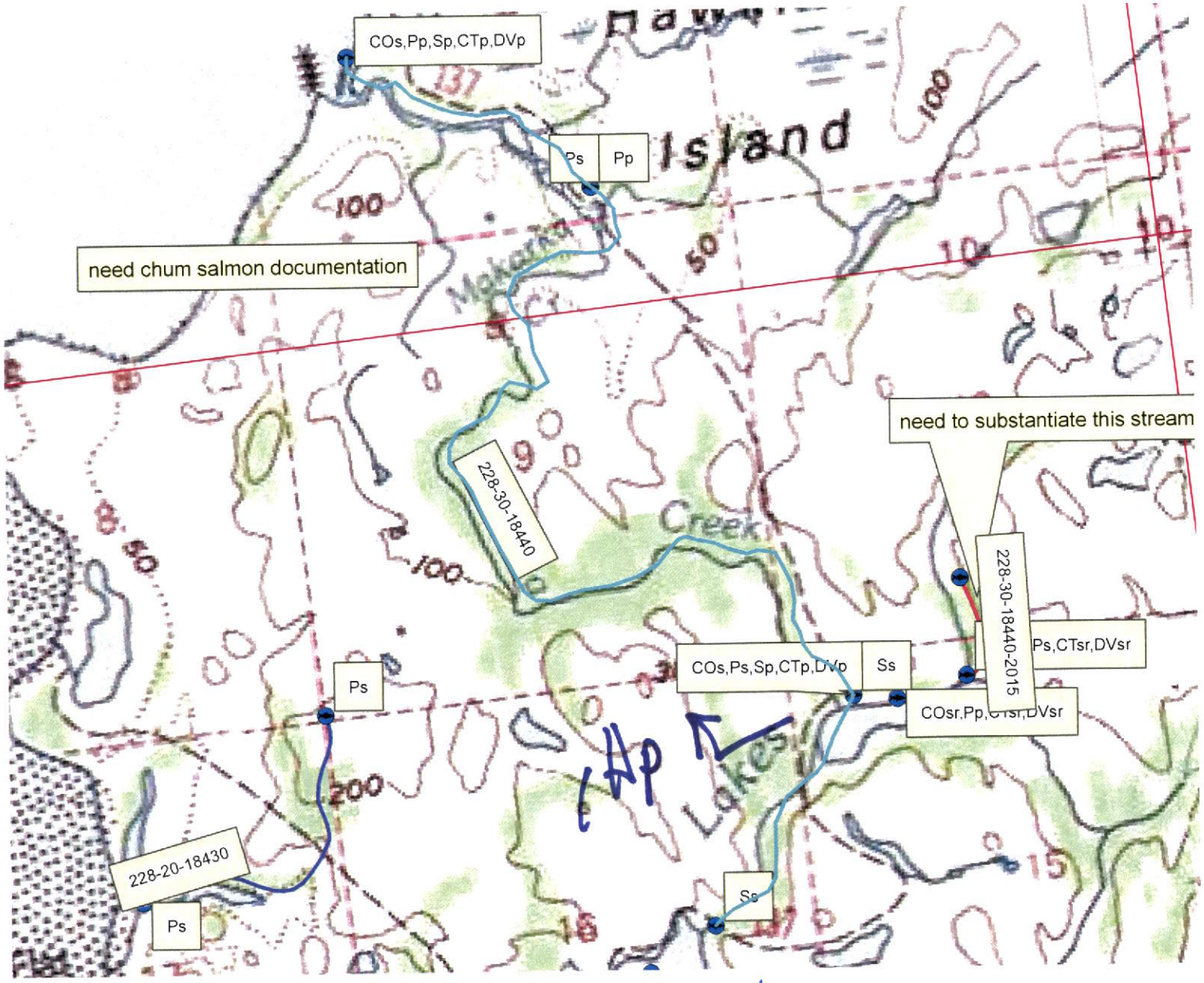
PINK SALMON

**Area under the curve totals by District, Subdistrict, and Stream, 1979-2006. These totals are NOT adjusted for stream life or observer efficiency**

| Index Stream? | 1 |
|---|---|

1= index Stream and 0 = non index stream

| Sum of P_AUC | | | Year | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Distict | SubDist | Strnum | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| 226 | 40 | 676 | 6,280 | 19,200 | 4,550 | 7,005 | 12,100 | 47,575 | 20,195 | 640 | 20,570 | 24,470 | 76,100 | 38,395 | 14,220 | 1,465 | 30,190 | 19,675 | 26,190 | 8,970 | 44,860 | 64,950 | 14,500 | 24,025 | 174,250 | 8,040 | 43,630 | 24,700 | 34,000 | 24,380 |
| | | 677 | 22,728 | 4,950 | 14,475 | 8,200 | 26,550 | 43,625 | 32,975 | 2,100 | 18,170 | 22,300 | 34,800 | 49,290 | 49,953 | 6,238 | 28,780 | 4,460 | 12,700 | 13,425 | 27,890 | 32,760 | 13,175 | 16,925 | 240,400 | 1,650 | 33,125 | 22,775 | 25,100 | 18,000 |
| | 50 | 653 | 15,705 | 3,290 | 141,680 | 8,903 | 106,990 | 201,350 | 101,800 | 50,295 | 19,186 | 33,955 | 118,077 | 36,218 | 153,230 | 16,143 | 232,906 | 67,368 | 43,973 | 89,418 | 125,380 | 163,700 | 470,000 | 103,780 | 144,035 | 50,710 | 131,960 | 131,900 | 314,100 | 97,483 |
| 227 | 10 | 702 | 50,550 | 5,165 | 5,100 | 3,380 | 43,410 | 52,950 | 75,363 | 5,060 | 48,420 | 7,940 | 15,030 | 22,550 | 31,992 | 67,413 | 23,306 | 5,961 | 6,918 | 1,525 | 28,485 | 44,600 | 12,260 | 25,450 | 145,800 | 19,635 | 263,673 | 28,990 | 132,765 | 72,520 |
| | | 703 | 258 | 2,045 | 0 | 6,180 | 14,850 | 13,750 | 46,650 | 7,575 | 21,150 | 6,455 | 4,656 | 13,028 | 52,797 | 91,175 | 56,040 | 4,246 | 6,637 | 6,290 | 5,705 | 45,000 | 12,770 | 41,100 | 275,700 | 22,965 | 119,875 | 74,650 | 97,278 | 20,880 |
| | | 707 | 137,550 | 29,700 | 313,500 | 37,715 | 229,560 | 187,588 | 196,210 | 43,900 | 262,895 | 37,800 | 98,130 | 98,017 | 137,116 | 50,115 | 244,846 | 49,433 | 106,630 | 38,575 | 215,354 | 90,413 | 44,240 | 147,600 | 788,544 | 101,519 | 906,800 | 213,663 | 862,280 | 200,615 |
| | | 710 | 58,250 | 11,075 | 106,500 | 17,250 | 93,660 | 29,303 | 100,380 | 18,675 | 49,840 | 24,150 | 116,700 | 36,375 | 118,944 | 39,955 | 70,832 | 12,237 | 66,280 | 13,750 | 53,490 | 26,225 | 91,854 | 70,375 | 321,550 | 45,575 | 244,780 | 110,680 | 455,535 | 74,763 |
| | | 711 | 381,663 | 64,550 | 319,750 | 50,275 | 160,380 | 269,000 | 186,160 | 52,825 | 211,103 | 46,100 | 139,200 | 59,150 | 279,274 | 73,063 | 247,382 | 106,333 | 366,675 | 31,613 | 382,420 | 209,900 | 587,680 | 98,900 | 515,830 | 76,225 | 712,450 | 138,250 | 1,079,951 | 134,125 |
| | | 717 | 101,270 | 3,495 | 62,400 | 5,375 | 51,870 | 29,600 | 138,900 | 2,360 | 13,700 | 0 | 71,100 | 4,290 | 183,300 | 3,350 | 124,628 | 28,150 | 47,790 | 9,681 | 111,100 | 12,400 | 93,950 | 48,250 | 6,910 | 7,300 | 130,550 | 21,725 | 664,500 | 61,188 |
| | | 718 | 98,280 | 5,525 | 126,000 | 5,215 | 53,280 | 25,850 | 100,500 | 2,580 | 43,230 | 4,125 | 52,280 | 3,093 | 65,610 | 1,396 | 53,377 | 8,561 | 49,728 | 5,850 | 56,158 | 14,800 | 222,500 | 41,275 | 167,500 | 5,025 | 222,935 | 30,063 | 278,000 | 14,113 |
| | | 719 | 84,260 | 7,713 | 18,750 | 14,600 | 35,400 | 68,875 | 114,150 | 6,025 | 63,258 | 4,950 | 71,670 | 7,213 | 74,962 | 3,838 | 63,490 | 10,218 | 41,835 | 1,995 | 70,830 | 9,850 | 263,000 | 52,950 | 207,200 | 11,200 | 33,226 | 56,535 | 271,200 | 21,625 |
| | | 722 | 5,400 | 1,350 | 2,340 | 1,075 | 5,430 | 4,450 | 20,385 | 0 | 1,980 | 700 | 4,068 | 0 | 270 | 0 | 5,320 | 176 | 1,917 | 0 | 565 | 900 | 8,450 | 3,388 | 23,475 | 0 | 12,283 | 4,275 | 67,807 | 1,925 |
| | | 724 | 13,700 | 353 | 3,510 | 4,450 | 0 | 724 | 10,430 | 0 | 834 | 0 | 3,120 | 90 | 9,106 | 338 | 9,415 | 0 | 1,217 | 0 | 4,310 | 0 | 22,250 | 800 | 4,815 | 538 | 3,200 | 6,900 | 32,120 | 2,300 |
| | | 725 | 40,400 | 5,400 | 39,000 | 4,725 | 6,120 | 7,238 | 29,820 | 0 | 28,504 | 0 | 42,750 | 75 | 54,263 | 0 | 55,389 | 2,030 | 15,102 | 288 | 19,600 | 2,938 | 26,555 | 6,850 | 36,900 | 269 | 8,587 | 7,850 | 25,250 | 2,938 |
| | | 726 | 2,340 | 675 | 850 | 6,988 | 23,820 | 3,713 | 39,050 | 2,613 | 3,120 | 13,800 | 22,080 | 210 | 6,700 | 0 | 5,550 | 160 | 3,854 | 3,763 | 1,040 | 0 | 5,380 | 5,725 | 42,800 | 0 | 4,200 | 3,850 | 19,500 | 0 |
| | | 738 | 106,200 | 10,850 | 75,400 | 21,225 | 54,440 | 24,488 | 86,695 | 538 | 50,720 | 1,563 | 66,894 | 3,556 | 23,994 | 30 | 32,475 | 1,276 | 23,418 | 31,550 | 31,270 | 76,050 | 33,150 | 295,970 | 317,243 | 19,038 | 96,204 | 38,200 | 297,900 | 100,625 |
| | | 739 | 663,500 | 176,350 | 485,000 | 184,175 | 168,200 | 230,700 | 315,900 | 65,875 | 236,150 | 214,000 | 336,735 | 99,186 | 162,688 | 52,864 | 291,200 | 97,110 | 655,513 | 201,288 | 388,500 | 457,825 | 1,109,000 | 431,050 | 442,540 | 129,325 | 546,500 | 789,288 | 1,034,820 | 451,082 |
| | | 740 | 327,000 | 133,200 | 329,000 | 64,875 | 109,100 | 63,200 | 149,900 | 7,475 | 145,280 | 47,163 | 96,650 | 57,338 | 118,040 | 10,700 | 123,160 | 17,500 | 119,900 | 59,425 | 132,500 | 125,900 | 267,250 | 72,975 | 124,600 | 17,350 | 109,620 | 86,563 | 159,750 | 50,300 |
| | | 741 | 386,000 | 80,750 | 352,920 | 154,800 | 155,440 | 301,625 | 387,000 | 95,050 | 202,208 | 47,375 | 215,989 | 69,135 | 110,458 | 49,423 | 147,845 | 115,269 | 249,950 | 270,375 | 244,560 | 527,950 | 502,040 | 455,925 | 273,583 | 83,400 | 359,700 | 357,375 | 1,708,800 | 380,650 |
| | 20 | 744 | 146,890 | 41,800 | 40,800 | 19,550 | 28,040 | 19,050 | 113,125 | 21,550 | 27,925 | 48,450 | 68,975 | 70,005 | 93,400 | 14,688 | 63,150 | 11,580 | 48,330 | 27,975 | 40,790 | 79,250 | 83,600 | 54,250 | 59,425 | 9,100 | 49,088 | 159,250 | 404,100 | 7,806 |
| | | 745 | 133,720 | 15,275 | 121,800 | 49,830 | 35,820 | 73,450 | 69,675 | 9,088 | 58,478 | 7,850 | 79,318 | 14,058 | 112,100 | 9,313 | 87,416 | 19,750 | 89,288 | 49,438 | 50,247 | 85,500 | 122,195 | 109,875 | 215,150 | 28,250 | 121,116 | 87,050 | 152,900 | 37,088 |
| | | 746 | 208,050 | 77,925 | 113,700 | 85,625 | 39,700 | 10,463 | 31,160 | 8,338 | 44,030 | 28,725 | 31,150 | 42,825 | 100,260 | 2,400 | 49,134 | 7,231 | 23,544 | 46,000 | 53,420 | 41,050 | 26,850 | 46,175 | 54,513 | 9,800 | 33,608 | 30,763 | 123,000 | 47,638 |
| | | 747 | 151,350 | 87,500 | 166,100 | 133,750 | 181,500 | 267,925 | 321,550 | 56,900 | 294,532 | 246,350 | 360,620 | 426,000 | 197,120 | 154,750 | 215,170 | 140,521 | 320,920 | 311,363 | 260,870 | 129,288 | 66,380 | 495,500 | 317,700 | 59,425 | 165,766 | 199,613 | 99,950 | 153,644 |
| | | 748 | 13,820 | 41,435 | 50,700 | 3,588 | 17,520 | 25,675 | 86,750 | 8,175 | 20,090 | 22,775 | 19,430 | 27,400 | 70,340 | 1,163 | 12,470 | 4,671 | 13,882 | 21,425 | 22,785 | 60,400 | 24,000 | 9,300 | 40,455 | 7,475 | 80,643 | 32,800 | 123,200 | 24,638 |
| | | 749 | 90,800 | 37,950 | 109,000 | 51,480 | 46,320 | 33,925 | 91,400 | 44,725 | 54,490 | 36,263 | 92,950 | 82,483 | 80,521 | 52,665 | 67,078 | 17,848 | 107,100 | 39,175 | 57,170 | 84,650 | 53,000 | 60,650 | 72,850 | 27,325 | 51,414 | 23,054 | 63,900 | 119,950 |
| | | 752 | 194,650 | 79,030 | 113,800 | 46,465 | 44,300 | 45,255 | 137,650 | 25,825 | 34,375 | 39,168 | 77,450 | 79,230 | 100,988 | 30,401 | 127,906 | 14,862 | 36,530 | 30,325 | 44,820 | 91,075 | 52,810 | 50,350 | 85,800 | 17,820 | 95,040 | 85,650 | 188,350 | 41,818 |
| | | 753 | 31,480 | 30,058 | 36,850 | 15,590 | 15,515 | 19,350 | 49,235 | 5,288 | 11,970 | 20,093 | 26,950 | 12,642 | 28,245 | 2,063 | 22,300 | 6,400 | 20,303 | 7,390 | 17,785 | 52,525 | 28,200 | 39,050 | 65,550 | 1,885 | 24,730 | 20,950 | 307,950 | 10,093 |
| | | 754 | 24,250 | 20,535 | 95,850 | 39,980 | 8,955 | 114,340 | 18,500 | 3,478 | 11,100 | 16,755 | 7,610 | 24,365 | 24,815 | 8,300 | 12,200 | 27,267 | 12,510 | 14,585 | 10,320 | 22,000 | 19,900 | 78,250 | 96,000 | 7,880 | 14,993 | 9,055 | 15,000 | 11,593 |
| | | 758 | 73,200 | 40,440 | 47,750 | 16,000 | 20,120 | 34,700 | 8,650 | 15,945 | 22,785 | 46,110 | 33,425 | 100,200 | 26,903 | 1,925 | 45,902 | 33,074 | 26,465 | 9,495 | 20,225 | 33,360 | 22,750 | 102,350 | 81,650 | 2,335 | 37,935 | 34,000 | 47,900 | 40,533 |
| | | 759 | 155,698 | 51,225 | 42,300 | 37,575 | 88,800 | 78,480 | 329,375 | 13,900 | 56,506 | 54,008 | 14,655 | 68,500 | 35,050 | 14,500 | 70,619 | 26,925 | 100,900 | 87,770 | 162,500 | 31,475 | 97,550 | 13,050 | 77,525 | 8,438 | 189,795 | 49,875 | 352,400 | 21,191 |
| | | 766 | 0 | 3,995 | NA | 0 | 2,500 | 137 | 1,475 | 0 | 13,500 | 375 | 118 | 95 | 785 | 1,925 | 6,975 | 1,668 | 1,847 | 9,813 | 5,265 | 42,600 | 10,480 | 25,445 | 15,794 | 8,050 | 29,683 | 12,950 | 18,052 | 21,838 |
| | | 770 | 26,418 | 4,605 | 0 | 7,300 | 27,665 | 45,275 | 71,245 | 3,238 | 40,225 | 3,683 | 50,525 | 692 | 59,825 | 5,809 | 13,141 | 2,412 | 38,500 | 2,248 | 17,536 | 11,138 | 23,790 | 19,695 | 95,200 | 10,110 | 24,711 | 41,000 | 118,218 | 17,855 |
| | | 771 | 9,000 | 5,288 | 11,890 | 2,055 | 7,335 | 860 | 18,675 | 343 | 11,488 | 1,600 | 6,730 | 440 | 14,725 | 0 | 10,906 | 555 | 18,323 | 1,158 | 11,130 | 7,400 | 19,850 | 10,595 | 25,375 | 2,570 | 14,435 | 10,528 | 25,700 | 4,648 |
| | | 774 | 62,770 | 34,040 | 21,600 | 28,900 | 27,350 | 15,850 | 64,830 | 6,935 | 36,240 | 29,125 | 22,145 | 16,818 | 108,050 | 16,619 | 28,118 | 9,083 | 23,150 | 29,170 | 20,040 | 41,550 | 19,100 | 22,700 | 70,510 | 8,480 | 58,815 | 33,550 | 37,400 | 23,035 |
| | | 775 | 24,930 | 8,515 | 4,130 | 2,965 | 15,515 | 14,265 | 41,370 | 3,783 | 12,775 | 10,245 | 25,560 | 2,735 | 18,511 | 450 | 10,892 | 1,661 | 23,600 | 5,335 | 31,150 | 40,900 | 14,780 | 17,400 | 226,100 | 7,365 | 75,290 | 27,925 | 59,120 | 15,648 |
| | | 788 | 0 | 0 | 0 | 0 | 0 | 2,270 | 0 | 0 | 0 | 67,275 | 3,639 | 106,400 | 7,405 | 32 | 14,588 | 4,675 | 132,550 | 16,225 | 48,380 | 75,675 | 34,025 | 43,700 | 63,660 | 11,950 | 33,160 | 85,450 | 36,200 | 5,606 |
| | 30 | 758 | NA | NA | NA | NA | NA | NA | NA | NA | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 228 | 10 | 863 | 52,803 | 5,415 | 14,480 | 14,450 | 128,450 | 105,330 | 78,350 | 7,920 | 26,080 | 50,590 | 12,330 | 231,110 | 251,800 | 2,450 | 69,350 | 54,120 | 57,440 | 42,815 | 110,150 | 13,580 | 31,450 | 19,600 | 54,450 | 32,240 | 29,745 | 24,745 | 378,400 | 17,125 |
| | 20 | 828 | NA | NA | NA | NA | NA | 2,150 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 833 | 37,070 | 18,375 | 13,600 | 49,250 | 5,070 | 24,210 | 29,250 | 9,200 | 15,020 | 5,900 | 2,368 | 19,320 | 17,600 | 0 | 12,350 | 6,893 | 15,755 | 22,900 | 21,000 | 20,613 | 26,050 | 24,875 | 16,378 | 40,700 | 26,890 | 58,650 | 297,675 | 5,838 |
| | | 834 | 2,421,630 | 155,250 | 481,760 | 621,000 | 1,184,800 | 773,263 | 940,150 | 153,950 | 538,580 | 97,400 | 602,960 | 302,100 | 541,583 | 96,875 | 356,830 | 232,363 | 739,978 | 380,000 | 860,760 | 265,025 | 833,400 | 329,300 | 748,780 | 212,150 | 965,260 | 730,400 | 1,574,900 | 180,775 |
| | | 835 | 2,129,500 | 73,800 | 289,820 | 368,750 | 598,200 | 519,350 | 741,450 | 134,900 | 465,925 | 47,850 | 305,960 | 226,815 | 363,806 | 100,735 | 229,405 | 166,779 | 569,305 | 145,450 | 659,400 | 107,325 | 1,204,400 | 301,075 | 994,340 | 145,225 | 1,228,710 | 341,900 | 2,345,060 | 129,350 |
| | | 836 | 11,650 | 64,225 | 80,200 | 36,750 | 116,025 | 66,875 | 77,475 | 37,850 | 196,045 | 31,925 | 89,660 | 97,154 | 173,940 | 13,580 | 100,400 | 48,073 | 212,700 | 54,570 | 187,320 | 69,888 | 244,050 | 61,950 | 389,700 | 105,125 | 227,720 | 137,339 | 696,780 | 61,625 |
| | | 837 | 304,860 | 21,825 | 0 | 240,250 | 54,750 | 315,750 | 106,700 | 2,150 | 37,860 | 6,375 | 19,040 | 24,400 | 33,225 | 2,900 | 20,579 | 6,538 | 54,664 | 48,688 | 52,860 | 28,150 | 87,210 | 65,975 | 357,750 | 42,650 | 58,010 | 100,638 | 668,975 | 31,200 |
| | | 839 | 99,560 | 14,525 | 30,280 | 105,750 | 82,890 | 185,750 | 130,060 | 30,975 | 87,775 | 36,000 | 53,920 | 35,000 | 73,000 | 12,545 | 36,560 | 24,530 | 81,800 | 39,500 | 146,190 | 27,575 | 128,600 | 115,560 | 506,280 | 73,600 | 158,050 | 112,400 | 412,850 | 36,650 |
| | 30 | 844 | 215,050 | 115,969 | 185,400 | 254,000 | 176,350 | 369,500 | 180,400 | 57,050 | 250,760 | 168,125 | 81,610 | 425,225 | 216,944 | 14,060 | 129,763 | 269,338 | 167,773 | 283,150 | 375,420 | 216,350 | 221,650 | 317,700 | 147,656 | 103,625 | 248,880 | 248,000 | 762,200 | 75,125 |
| | | 847 | 354,650 | 67,125 | 134,200 | 219,250 | 170,290 | 375,250 | 196,300 | 79,600 | 158,250 | 152,250 | 144,020 | 416,700 | 266,548 | 31,165 | 124,288 | 167,350 | 123,737 | 218,900 | 849,000 | 116,800 | 245,200 | 260,400 | 136,935 | 44,750 | 211,720 | 289,350 | 1,659,450 | 65,550 |
| | | 849 | 25,065 | 16,590 | 5,580 | 62,700 | 24,900 | 204,800 | 41,650 | 13,695 | 34,140 | 44,190 | 39,250 | 106,960 | 190,500 | 7,105 | 38,110 | 30,982 | 26,539 | 49,280 | 46,620 | 17,070 | 19,050 | 47,870 | 34,355 | 51,980 | 37,865 | 70,050 | 439,300 | 16,130 |
| | | 850 | 301,505 | 23,925 | 135,000 | 85,375 | 146,800 | 405,000 | 276,675 | 63,775 | 100,230 | 76,650 | 67,510 | 163,075 | 353,800 | 3,573 | 99,900 | 82,825 | 73,310 | 63,500 | 473,400 | 52,460 | 90,700 | 114,775 | 57,580 | 25,750 | 94,080 | 214,250 | 501,500 | 31,225 |
| | | 851 | 58,350 | 18,113 | 12,450 | 26,125 | 58,885 | 193,800 | 136,750 | 4,613 | 44,005 | 44,450 | 64,270 | 192,075 | 219,250 | 8,400 | 23,575 | 29,600 | 49,333 | 48,075 | 94,260 | 52,975 | 27,950 | 67,000 | 26,560 | 48,500 | 73,370 | 83,100 | 349,690 | 19,338 |
| | | 856 | 22,750 | 4,190 | 8,980 | 59,150 | 66,055 | 57,280 | 85,250 | 10,900 | 24,760 | 56,180 | 25,143 | 242,050 | 3,726 | 3,585 | 59,850 | 26,520 | 45,037 | 42,500 | 12,000 | 27,730 | 16,950 | 17,550 | 14,310 | 5,700 | 32,280 | 56,750 | 293,170 | 12,795 |
| | | 857 | 30,570 | 5,610 | 8,030 | 18,110 | 23,300 | 238,800 | 69,050 | 11,575 | 29,290 | 35,630 | 26,930 | 122,225 | 50,750 | 6,010 | 17,125 | 29,095 | 52,975 | 116,700 | 31,800 | 25,575 | 11,400 | 34,750 | 7,910 | 18,525 | 94,085 | 38,050 | 462,825 | 28,775 |
| | | 858 | 89,037 | 4,940 | 10,580 | 10,060 | 18,270 | 11,350 | 11,250 | 4,920 | 25,440 | 34,230 | 950 | 98,305 | 13,650 | 2,048 | 18,065 | 37,860 | 42,800 | 90,100 | 19,100 | 18,115 | 18,390 | 31,750 | 16,795 | 28,950 | 47,400 | 92,700 | 352,825 | 18,315 |
| | | 861 | 219,135 | 27,475 | 104,525 | 142,125 | 112,500 | 403,250 | 181,000 | 96,225 | 204,710 | 88,200 | 123,930 | 372,300 | 431,925 | 15,933 | 115,250 | 155,550 | 228,850 | 219,400 | 181,200 | 89,400 | 107,450 | 90,575 | 139,840 | 88,375 | 205,400 | 249,750 | 880,750 | 4,290 |
| | | 862 | 5,451 | 1,870 | 3,060 | 11,630 | 102,610 | 24,695 | 35,250 | 2,795 | 14,360 | 24,930 | 7,760 | 90,275 | 59,800 | 1,575 | 58,075 | 18,022 | 34,345 | 6,800 | 49,725 | 10,090 | 7,100 | 15,600 | 112,250 | 33,050 | 118,840 | 77,050 | 412,075 | 7,280 |
| | 40 | 821 | NA | NA | NA | NA | NA | NA | NA | 323 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 827 | 285,550 | 69,775 | 85,300 | 90,500 | 78,045 | 184,125 | 145,950 | 25,725 | 97,368 | 97,438 | 58,290 | 118,018 | 206,250 | 56,419 | 78,200 | 56,650 | 77,965 | 36,550 | 47,040 | 25,038 | 98,692 | 123,550 | 96,905 | 43,800 | 129,760 | 266,000 | 619,825 | 104,075 |
| | | 828 | 1,840,500 | 156,918 | 445,240 | 324,970 | 333,200 | 542,275 | 444,625 | 125,675 | 255,960 | 203,375 | 347,600 | 294,936 | 543,090 | 150,424 | 374,878 | 170,350 | 383,935 | 204,475 | 557,820 | 135,250 | 346,950 | 214,625 | 328,750 | 41,175 | 323,440 | 512,500 | 1,408,700 | 232,000 |
| | | 829 | 62,550 | 26,825 | 17,560 | 36,850 | 35,750 | 85,400 | 74,000 | 6,350 | 22,765 | 37,725 | 9,740 | 29,850 | 56,519 | 31,665 | 27,250 | 35,725 | 38,634 | 19,950 | 69,600 | 10,488 | 23,300 | 21,695 | 33,428 | 17,200 | 55,240 | 57,100 | 189,000 | 19,000 |
| | | 831 | 1,486,320 | 55,050 | 213,000 | 120,000 | 243,925 | 406,575 | 336,475 | 120,050 | 227,765 | 86,513 | 208,590 | 86,665 | 120,816 | 44,470 | 110,590 | 82,025 | 124,531 | 90,325 | 437,850 | 96,350 | 190,770 | 106,275 | 337,630 | 67,825 | 251,580 | 108,063 | 511,650 | 132,975 |
| | 50 | 815 | NA | NA | NA | NA | NA | NA | NA | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 817 | 503,820 | 54,600 | 102,140 | 126,500 | 242,550 | 291,250 | 246,675 | 34,725 | 118,990 | 57,675 | 149,170 | 77,675 | 208,257 | 12,643 | 171,306 | 36,675 | 224,020 | 29,725 | 294,840 | 34,515 | 138,625 | 101,700 | 291,150 | 54,175 | 248,160 | 136,625 | 586,150 | 104,400 |
| | | 818 | 692,740 | 64,875 | 131,496 | 195,950 | 292,800 | 401,750 | 294,750 | 57,260 | 120,970 | 59,650 | 160,040 | 64,155 | 395,857 | 23,007 | 276,020 | 91,458 | 254,418 | 61,925 | 388,380 | 26,888 | 232,864 | 134,600 | 260,110 | 48,050 | 267,680 | 172,950 | 839,500 | 199,425 |
| | | 821 | 906,940 | 75,450 | 132,420 | 100,875 | 144,600 | 496,375 | 255,650 | 32,640 | 69,643 | 107,425 | 195,273 | 83,415 | 282,350 | 60,224 | 205,340 | 116,588 | 119,024 | 60,873 | 14,040 | 8,375 | 120,020 | 106,775 | 107,560 | 65,300 | 160,380 | 142,700 | 587,100 | 143,800 |
| | 60 | 805 | 2,050 | 3,315 | 0 | 14,175 | 390 | 21,000 | 4,990 | 1,050 | 9,000 | 1,050 | 7,970 | 2,575 | 13,525 | 0 | 10,700 | 736 | 1,800 | 1,115 | 2,460 | 6,950 | 5,678 | 5,300 | 65,750 | 16,125 | 36,775 | 8,175 | 171,600 | 22,575 |
| | | 806 | 13,935 | 8,925 | 470 | 18,300 | 14,460 | 295,750 | 34,525 | 22,900 | 24,530 | 94,825 | 45,535 | 19,913 | 90,896 | 12,350 | 53,390 | 5,370 | 24,430 | 2,075 | 6,840 | 12,250 | 64,750 | 31,775 | 57,650 | 109,350 | 88,080 | 67,625 | 506,850 | 193,575 |
| | | 807 | 1,125 | 2,700 | 0 | 4,125 | 5,120 | 24,650 | 7,030 | 1,938 | 7,610 | 5,363 | 12,260 | 285 | 12,500 | 105 | 76,063 | 1,440 | 6,530 | 2,350 | 3,090 | 2,650 | 10,200 | 13,450 | 33,200 | 31,550 | 26,500 | 8,375 | 232,400 | 52,525 |
| | | 810 | 78,290 | 33,275 | 19,980 | 137,750 | 87,730 | 336,750 | 110,600 | 94,100 | 103,167 | 48,100 | 98,255 | 92,000 | 216,642 | 48,099 | 114,234 | 100,350 | 65,150 | 36,575 | 228,000 | 72,375 | 102,500 | 127,250 | 106,000 | 274,650 | 142,600 | 225,000 | 790,070 | 129,200 |
| | | 811 | 24,600 | 8,825 | 4,100 | 10,213 | 50,900 | 173,250 | 51,660 | 6,200 | 9,015 | 8,550 | 12,395 | 15,423 | 59,100 | 2,225 | 48,175 | 35,672 | 51,900 | 2,475 | 84,180 | 153,150 | 163,300 | 39,450 | 90,050 | 16,825 | 210,550 | 188,475 | 609,350 | 23,013 |
| | | 812 | 1,688,780 | 699,445 | 582,900 | 699,000 | 909,800 | 1,080,000 | 1,106,750 | 536,100 | 816,580 | 128,175 | 659,860 | 328,338 | 1,123,860 | 371,575 | 928,405 | 247,850 | 648,850 | 332,150 | 668,700 | 327,400 | 1,134,300 | 614,800 | 870,250 | 918,000 | 1,913,350 | 1,593,500 | 2,804,550 | 544,043 |
| | | 815 | 1,614,540 | 1,104,188 | 541,600 | 857,775 | 800,450 | 1,744,750 | 1,136,550 | 386,350 | 644,349 | 373,225 | 494,910 | 508,698 | 891,240 | 421,753 | 1,458,338 | 714,663 | 864,560 | 502,250 | 1,549,200 | 518,443 | 1,412,733 | 647,750 | 1,428,600 | 981,813 | 1,858,850 | 2,033,530 | 3,569,200 | 628,150 |
| 229 | 10 | 242 | NA | NA | 0 | 0 | NA | NA | 0 | 0 | 0 | NA | NA | 0 | 4,010 | 29,700 | 1,150 | 23,500 | 3,580 | 11,500 | 4,375 | 23,880 | 57,620 | 16,975 | 26,000 | 7,475 | 89,750 | 45,775 | 139,950 | 43,550 |




Add chum salmon present to stream