

**California Department of Fish and Game
Fisheries Branch
Anadromous Resources Assessment**

Compiled: **4/23/2012** by Jason Azat

GrandTab

**California Central Valley
Sacramento and San Joaquin River Systems
Chinook Salmon Escapement
Hatcheries and Natural Areas**

The Fisheries Branch Anadromous Resource Assessment Unit compiles annual population estimates of Chinook salmon, *Oncorhynchus tshawytscha*, in the Sacramento San Joaquin River system. The GrandTab report is a compilation of sources estimating the late-fall, winter, spring, and fall-run Chinook salmon total populations for streams surveyed. Estimates are based on counts of fish entering hatcheries and migrating past dams, carcass surveys, live fish counts, and ground and aerial redd counts. Estimates are provided by the California Department of Fish and Game, the US Fish and Wildlife Service, the California Department of Water Resources, the East Bay Municipal Utilities District, the US Bureau of Reclamation, the Lower Yuba River Management Team, and the Fisheries Foundation of California.

The Sacramento-San Joaquin River system is the principal producer of Chinook salmon caught in California's ocean fisheries. Its salmon runs also contribute to the ocean fisheries of Oregon and Washington. The fall run has been monitored since 1952, spring run since 1960, and late-fall and winter runs since 1970. The four runs are distinguished as follows:

1) Late-fall run: These salmon spawn mainly in the upper Sacramento River and its tributaries near and upstream of Red Bluff. They arrive in this area in early November through February, with spawning occurring from January through mid-April. Adults of this run are usually larger in physical size than fall- and winter-run salmon spawning in the same area.

2) Winter run: These salmon spawn almost entirely in the Sacramento River and its tributaries upstream of Red Bluff, arriving there as early as December, with spawning occurring from April through August.

3) Spring run: Once widespread in Central Valley tributaries, this run has been extirpated from most of the streams in which dam construction has blocked access to upper watershed spawning habitat. Spring-run spawners return to the system from the ocean in late January through August; early arrivals to their natal streams oversummer in holding pools. Spawning occurs from mid-August through October.

4) Fall run: These are presently the most numerous and widely distributed salmon in the Central Valley. They return from the ocean during June through November and spawn from early October through late December.

Monitoring of salmon escapement in Central Valley tributaries is an important component of the California Department of Fish and Game's fishery management function. The primary objectives of this work are to determine size and composition of salmon populations. Changes in salmon abundance, distribution, and habitat conditions that may reflect adverse effects on salmon are noted to determine if corrective action is necessary.

GrandTab is available for download here: <http://www.calfish.org/tabid/104/Default.aspx>

CHINOOK SALMON ESCAPEMENT - ALL RUNS

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| LATE-FALL | | | |
|---------------------|------------|----------|--------|
| YEAR | Hatcheries | In-River | TOTAL |
| Nov 1959 - Apr 1960 | | | |
| Nov 1960 - Apr 1961 | | | |
| Nov 1961 - Apr 1962 | | | |
| Nov 1962 - Apr 1963 | | | |
| Nov 1963 - Apr 1964 | | | |
| Nov 1964 - Apr 1965 | | | |
| Nov 1965 - Apr 1966 | | | |
| Nov 1966 - Apr 1967 | | | |
| Nov 1967 - Apr 1968 | | | |
| Nov 1968 - Apr 1969 | | | |
| Nov 1969 - Apr 1970 | | | |
| Nov 1970 - Apr 1971 | | 16,741 | 16,741 |
| Nov 1971 - Apr 1972 | | 31,559 | 31,559 |
| Nov 1972 - Apr 1973 | | 21,781 | 21,781 |
| Nov 1973 - Apr 1974 | | 6,083 | 6,083 |
| Nov 1974 - Apr 1975 | | 19,261 | 19,261 |
| Nov 1975 - Apr 1976 | | 15,908 | 15,908 |
| Nov 1976 - Apr 1977 | 914 | 9,455 | 10,369 |
| Nov 1977 - Apr 1978 | | 12,479 | 12,479 |
| Nov 1978 - Apr 1979 | | 10,284 | 10,284 |
| Nov 1979 - Apr 1980 | | 9,093 | 9,093 |
| Nov 1980 - Apr 1981 | 147 | 6,571 | 6,718 |
| Nov 1981 - Apr 1982 | 445 | 6,454 | 6,899 |
| Nov 1982 - Apr 1983 | 105 | 14,984 | 15,089 |
| Nov 1983 - Apr 1984 | | 10,388 | 10,388 |
| Nov 1984 - Apr 1985 | 181 | 9,999 | 10,180 |
| Nov 1985 - Apr 1986 | 197 | 8,104 | 8,301 |
| Nov 1986 - Apr 1987 | 349 | 16,222 | 16,571 |
| Nov 1987 - Apr 1988 | 53 | 13,165 | 13,218 |
| Nov 1988 - Apr 1989 | 65 | 12,807 | 12,872 |
| Nov 1989 - Apr 1990 | 92 | 7,986 | 8,078 |
| Nov 1990 - Apr 1991 | 161 | 8,102 | 8,263 |
| Nov 1991 - Apr 1992 | 344 | 9,787 | 10,131 |
| Nov 1992 - Apr 1993 | 528 | 739 | 1,267 |

| WINTER | | |
|---------------------|--------|--------|
| YEAR | TOTAL | RBDD |
| Dec 1959 - Apr 1960 | | |
| Dec 1960 - Apr 1961 | | |
| Dec 1961 - Apr 1962 | | |
| Dec 1962 - Apr 1963 | | |
| Dec 1963 - Apr 1964 | | |
| Dec 1964 - Apr 1965 | | |
| Dec 1965 - Apr 1966 | | |
| Dec 1966 - Apr 1967 | | |
| Dec 1967 - Apr 1968 | | |
| Dec 1968 - Apr 1969 | | |
| Dec 1969 - Apr 1970 | 40,409 | 40,409 |
| Dec 1970 - Apr 1971 | 53,089 | 53,089 |
| Dec 1971 - Apr 1972 | 37,133 | 37,133 |
| Dec 1972 - Apr 1973 | 24,079 | 24,079 |
| Dec 1973 - Apr 1974 | 21,897 | 21,897 |
| Dec 1974 - Apr 1975 | 23,930 | 23,430 |
| Dec 1975 - Apr 1976 | 35,596 | 35,096 |
| Dec 1976 - Apr 1977 | 17,214 | 17,214 |
| Dec 1977 - Apr 1978 | 25,012 | 24,862 |
| Dec 1978 - Apr 1979 | 2,364 | 2,364 |
| Dec 1979 - Apr 1980 | 1,156 | 1,156 |
| Dec 1980 - Apr 1981 | 22,797 | 20,041 |
| Dec 1981 - Apr 1982 | 1,281 | 1,242 |
| Dec 1982 - Apr 1983 | 1,831 | 1,831 |
| Dec 1983 - Apr 1984 | 2,763 | 2,663 |
| Dec 1984 - Apr 1985 | 5,407 | 3,962 |
| Dec 1985 - Apr 1986 | 2,596 | 2,596 |
| Dec 1986 - Apr 1987 | 2,185 | 2,088 |
| Dec 1987 - Apr 1988 | 2,878 | 2,150 |
| Dec 1988 - Apr 1989 | 696 | 682 |
| Dec 1989 - Apr 1990 | 430 | 402 |
| Dec 1990 - Apr 1991 | 211 | 211 |
| Dec 1991 - Apr 1992 | 1,240 | 1,196 |
| Dec 1992 - Apr 1993 | 387 | 378 |

| YEAR | SPRING | | | FALL | | |
|------|------------|----------|--------|------------|----------|---------|
| | Hatcheries | In-River | TOTAL | Hatcheries | In-River | TOTAL |
| 1960 | | 11,068 | 11,068 | 38,771 | 437,245 | 476,016 |
| 1961 | | 4,327 | 4,327 | 22,465 | 231,157 | 253,622 |
| 1962 | | 3,642 | 3,642 | 17,510 | 234,126 | 251,636 |
| 1963 | | 10,817 | 10,817 | 8,325 | 285,887 | 294,212 |
| 1964 | | 8,021 | 8,021 | 30,860 | 284,367 | 315,227 |
| 1965 | | 1,788 | 1,788 | 20,571 | 177,019 | 197,590 |
| 1966 | | 427 | 427 | 11,326 | 184,507 | 195,833 |
| 1967 | 146 | 330 | 476 | 10,303 | 170,125 | 180,428 |
| 1968 | 208 | 455 | 663 | 15,657 | 194,657 | 210,314 |
| 1969 | 348 | 21,030 | 21,378 | 10,684 | 309,706 | 320,390 |
| 1970 | 235 | 7,437 | 7,672 | 16,144 | 219,349 | 235,493 |
| 1971 | 481 | 8,800 | 9,281 | 17,075 | 221,544 | 238,619 |
| 1972 | 256 | 8,588 | 8,844 | 14,081 | 138,982 | 153,063 |
| 1973 | 205 | 11,225 | 11,430 | 26,515 | 244,805 | 271,320 |
| 1974 | 198 | 9,053 | 9,251 | 17,120 | 217,506 | 234,626 |
| 1975 | 691 | 22,887 | 23,578 | 18,201 | 177,188 | 195,389 |
| 1976 | 699 | 25,141 | 25,840 | 14,858 | 180,350 | 195,208 |
| 1977 | 185 | 12,545 | 12,730 | 23,226 | 162,437 | 185,663 |
| 1978 | 202 | 7,924 | 8,126 | 17,441 | 139,521 | 156,962 |
| 1979 | 250 | 2,866 | 3,116 | 26,360 | 201,286 | 227,646 |
| 1980 | 269 | 12,195 | 12,464 | 31,397 | 140,740 | 172,137 |
| 1981 | 469 | 21,636 | 22,105 | 42,455 | 217,804 | 260,259 |
| 1982 | 1,910 | 25,980 | 27,890 | 42,077 | 188,629 | 230,706 |
| 1983 | 1,702 | 6,256 | 7,958 | 32,985 | 172,305 | 205,290 |
| 1984 | 1,562 | 8,037 | 9,599 | 46,433 | 216,474 | 262,907 |
| 1985 | 1,632 | 13,589 | 15,221 | 37,410 | 318,894 | 356,304 |
| 1986 | 1,433 | 24,263 | 25,696 | 29,367 | 268,453 | 297,820 |
| 1987 | 1,213 | 12,675 | 13,888 | 34,210 | 267,373 | 301,583 |
| 1988 | 6,833 | 12,100 | 18,933 | 29,305 | 239,131 | 268,436 |
| 1989 | 5,078 | 7,085 | 12,163 | 29,468 | 152,882 | 182,350 |
| 1990 | 1,893 | 5,790 | 7,683 | 25,725 | 62,128 | 87,853 |
| 1991 | 4,303 | 1,623 | 5,926 | 28,611 | 103,844 | 132,455 |
| 1992 | 1,497 | 1,547 | 3,044 | 31,249 | 79,164 | 110,413 |
| 1993 | 4,672 | 1,404 | 6,076 | 32,807 | 132,616 | 165,423 |

CHINOOK SALMON ESCAPEMENT - ALL RUNS

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| LATE-FALL | | | |
|-----------------------|------------|----------|--------|
| YEAR | Hatcheries | In-River | TOTAL |
| Nov 1993 - Apr 1994 | 598 | 291 | 889 |
| Nov 1994 - Apr 1995 | 323 | 166 | 489 |
| Nov 1995 - Apr 1996 | 1,337 | 48 | 1,385 |
| Nov 1996 - Apr 1997 | 4,578 | | 4,578 |
| Nov 1997 - Apr 1998 | 3,079 | 39,340 | 42,419 |
| Nov 1998 - Apr 1999 | 7,075 | 8,683 | 15,758 |
| Nov 1999 - Apr 2000 | 4,181 | 8,702 | 12,883 |
| Nov 2000 - Apr 2001 | 2,439 | 19,374 | 21,813 |
| Nov 2001 - Apr 2002 | 4,186 | 36,220 | 40,406 |
| Nov 2002 - Apr 2003 | 3,183 | 5,589 | 8,772 |
| Nov 2003 - Apr 2004 | 5,166 | 8,924 | 14,090 |
| Nov 2004 - Apr 2005 | 5,562 | 10,626 | 16,188 |
| Nov 2005 - Apr 2006 | 4,822 | 10,225 | 15,047 |
| Nov 2006 - Apr 2007 | 3,360 | 15,413 | 18,773 |
| [Nov 2007 - Apr 2008] | 6,334 | 3,983 | 10,317 |
| [Nov 2008 - Apr 2009] | 6,429 | 3,553 | 9,982 |
| [Nov 2009 - Apr 2010] | 5,505 | 4,390 | 9,895 |
| [Nov 2010 - Apr 2011] | 4,635 | 3,783 | 8,418 |

| WINTER | | |
|-----------------------|--------|-------|
| YEAR | TOTAL | RBDD |
| Dec 1993 - Apr 1994 | 186 | 186 |
| Dec 1994 - Apr 1995 | 1,297 | 1,290 |
| Dec 1995 - Apr 1996 | 1,337 | 1,337 |
| Dec 1996 - Apr 1997 | 880 | 880 |
| Dec 1997 - Apr 1998 | 2,992 | 2,930 |
| Dec 1998 - Apr 1999 | 3,288 | 3,288 |
| Dec 1999 - Apr 2000 | 1,352 | 1,352 |
| Dec 2000 - Apr 2001 | 8,224 | 5,499 |
| Dec 2001 - Apr 2002 | 7,441 | 9,157 |
| Dec 2002 - Apr 2003 | 8,218 | 9,724 |
| Dec 2003 - Apr 2004 | 7,869 | 7,192 |
| Dec 2004 - Apr 2005 | 15,839 | 5,299 |
| Dec 2005 - Apr 2006 | 17,296 | 7,415 |
| Dec 2006 - Apr 2007 | 2,542 | 6,144 |
| [Dec 2007 - Apr 2008] | 2,830 | 3,635 |
| [Dec 2008 - Apr 2009] | 4,537 | |
| [Dec 2009 - Apr 2010] | 1,596 | |
| [Dec 2010 - Apr 2011] | 827 | |

| YEAR | SPRING | | | FALL | | |
|--------|------------|----------|--------|------------|----------|---------|
| | Hatcheries | In-River | TOTAL | Hatcheries | In-River | TOTAL |
| 1994 | 3,641 | 2,546 | 6,187 | 45,622 | 175,045 | 220,667 |
| 1995 | 5,414 | 9,824 | 15,238 | 49,249 | 280,919 | 330,168 |
| 1996 | 6,381 | 2,702 | 9,083 | 41,960 | 309,591 | 351,551 |
| 1997 | 3,653 | 1,540 | 5,193 | 78,888 | 323,909 | 402,797 |
| 1998 | 6,746 | 24,903 | 31,649 | 78,918 | 167,108 | 246,026 |
| 1999 | 3,731 | 6,369 | 10,100 | 54,444 | 359,815 | 414,259 |
| 2000 | 3,657 | 5,587 | 9,244 | 58,361 | 427,320 | 485,681 |
| 2001 | 4,135 | 13,463 | 17,598 | 68,709 | 555,922 | 624,631 |
| 2002 | 4,189 | 13,230 | 17,419 | 106,001 | 766,668 | 872,669 |
| 2003 | 8,662 | 9,029 | 17,691 | 126,763 | 464,229 | 590,992 |
| 2004 | 4,212 | 9,770 | 13,982 | 128,275 | 258,573 | 386,848 |
| 2005 | 1,774 | 14,352 | 16,126 | 193,411 | 244,282 | 437,693 |
| 2006 | 2,181 | 8,767 | 10,948 | 84,883 | 208,071 | 292,954 |
| 2007 | 2,635 | 7,300 | 9,935 | 23,641 | 73,527 | 97,168 |
| [2008] | 1,624 | 4,796 | 6,420 | 19,220 | 52,650 | 71,870 |
| [2009] | 989 | 2,812 | 3,801 | 22,703 | 30,426 | 53,129 |
| [2010] | 1,661 | 2,131 | 3,792 | 51,727 | 111,463 | 163,190 |
| [2011] | 1,969 | 3,064 | 5,033 | 103,972 | 123,917 | 227,889 |

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY. BLANK ENTRY INDICATES NO DATA

CHINOOK SALMON ESCAPEMENT - LATE-FALL RUN

SACRAMENTO RIVER SYSTEM

| YEAR | SACRAMENTO RIVER MAIN STEM | | | | | | Battle Creek 5/ | | | | Feather River | | TOTAL LATE-FALL RUN | | | |
|---------------------|----------------------------|----------------|--------|--------------------|----------|-------|---------------------|------------------|-------|----------|----------------|---------|---------------------|----------|----------|----------|
| | Upstream of RBDD 1/ | | | Downstream of RBDD | | | In-River Above CNFH | Coleman Hatchery | TOTAL | Clear Ck | Cotton-wood Ck | Salt Ck | | Craig Ck | In-River | Hatchery |
| | In-River 2/ | Coleman NFH 3/ | TOTAL | TCFF 4/ | In-River | TOTAL | | | | | | | | | | |
| Nov 1970 - Apr 1971 | 16,741 | | 16,741 | | | | | | | | | | | | | 16,741 |
| Nov 1971 - Apr 1972 | 31,559 | | 31,559 | | | | | | | | | | | | | 31,559 |
| Nov 1972 - Apr 1973 | 21,781 | | 21,781 | | | | | | | | | | | | | 21,781 |
| Nov 1973 - Apr 1974 | 5,446 | 637 | 6,083 | | | | | | | | | | | | | 6,083 |
| Nov 1974 - Apr 1975 | 18,324 | 937 | 19,261 | | | | | | | | | | | | | 19,261 |
| Nov 1975 - Apr 1976 | 15,814 | 94 | 15,908 | | | | | | | | | | | | | 15,908 |
| Nov 1976 - Apr 1977 | 8,678 | 532 | 9,210 | | | | | 914 | 914 | | | 245 | | | | 10,369 |
| Nov 1977 - Apr 1978 | 11,767 | 712 | 12,479 | | | | | | | | | | | | | 12,479 |
| Nov 1978 - Apr 1979 | 9,572 | 712 | 10,284 | | | | | | | | | | | | | 10,284 |
| Nov 1979 - Apr 1980 | 8,347 | 746 | 9,093 | | | | | | | | | | | | | 9,093 |
| Nov 1980 - Apr 1981 | 6,423 | 148 | 6,571 | | | | | 147 | 147 | | | | | | | 6,718 |
| Nov 1981 - Apr 1982 | 3,734 | 247 | 3,981 | | | | | 43 | 43 | 875 | | | | 1,598 | 402 | 6,899 |
| Nov 1982 - Apr 1983 | 14,437 | 547 | 14,984 | | | | | 105 | 105 | | | | | | | 15,089 |
| Nov 1983 - Apr 1984 | 6,205 | 335 | 6,540 | | 3,098 | 3,098 | | | | 200 | 400 | | 150 | | | 10,388 |
| Nov 1984 - Apr 1985 | 7,929 | 207 | 8,136 | | 1,863 | 1,863 | | 181 | 181 | | | | | | | 10,180 |
| Nov 1985 - Apr 1986 | 7,229 | 591 | 7,820 | | 284 | 284 | | 197 | 197 | | | | | | | 8,301 |
| Nov 1986 - Apr 1987 | 15,768 | 454 | 16,222 | | | | | 349 | 349 | | | | | | | 16,571 |
| Nov 1987 - Apr 1988 | 12,103 | 404 | 12,507 | | 658 | 658 | | 53 | 53 | | | | | | | 13,218 |
| Nov 1988 - Apr 1989 | 11,990 | 817 | 12,807 | | 0 | 0 | | 65 | 65 | | | | | | | 12,872 |
| Nov 1989 - Apr 1990 | 6,792 | 100 | 6,892 | | 1,094 | 1,094 | | 92 | 92 | | | | | | | 8,078 |
| Nov 1990 - Apr 1991 | 6,493 | 118 | 6,611 | | 1,491 | 1,491 | | 161 | 161 | | | | | | | 8,263 |
| Nov 1991 - Apr 1992 | 8,958 | 398 | 9,356 | | 431 | 431 | | 344 | 344 | | | | | | | 10,131 |
| Nov 1992 - Apr 1993 | 339 | 400 | 739 | | | | | 528 | 528 | | | | | | | 1,267 |
| Nov 1993 - Apr 1994 | 137 | 154 | 291 | | | | | 598 | 598 | | | | | | | 889 |
| Nov 1994 - Apr 1995 | | 166 | 166 | | | | | 323 | 323 | | | | | | | 489 |
| Nov 1995 - Apr 1996 | | 48 | 48 | | | | | 1,337 | 1,337 | | | | | | | 1,385 |
| Nov 1996 - Apr 1997 | | | | | | | | 4,578 | 4,578 | | | | | | | 4,578 |
| Nov 1997 - Apr 1998 | 38,239 | | 38,239 | | 1,101 | 1,101 | | 3,079 | 3,079 | | | | | | | 42,419 |
| Nov 1998 - Apr 1999 | 8,683 | | 8,683 | | | | | 7,075 | 7,075 | | | | | | | 15,758 |
| Nov 1999 - Apr 2000 | 8,580 | | 8,580 | | 122 | 122 | 0 | 4,181 | 4,181 | | | | | | | 12,883 |
| Nov 2000 - Apr 2001 | 18,351 | | 18,351 | | 925 | 925 | 98 | 2,439 | 2,537 | | | | | | | 21,813 |
| Nov 2001 - Apr 2002 | 36,004 | | 36,004 | | 0 | 0 | 216 | 4,186 | 4,402 | | | | | | | 40,406 |

CHINOOK SALMON ESCAPEMENT - LATE-FALL RUN

SACRAMENTO RIVER SYSTEM

| YEAR | SACRAMENTO RIVER MAIN STEM | | | | | | Battle Creek 5/ | | | | Feather River | | TOTAL LATE- FALL RUN | | | |
|-----------------------|----------------------------|-------------------|--------|--------------------|----------|-------|---------------------------|---------------------|-------|-------------|-----------------------|------------|-------------------------------|-------------|--------------|----------|
| | Upstream of RBDD 1/ | | | Downstream of RBDD | | | In-River Above CNFH | Coleman Hatchery | TOTAL | Clear Ck | Cotton- wood Ck | Salt Ck | | Craig Ck | In- River | Hatchery |
| | In-River 2/ | Coleman NFH 3/ | TOTAL | TCFF 4/ | In-River | TOTAL | | | | | | | | | | |
| Nov 2002 - Apr 2003 | 5,346 | 38 | 5,384 | | 148 | 148 | 57 | 3,183 | 3,240 | | | | | | | 8,772 |
| Nov 2003 - Apr 2004 | 8,824 | 60 | 8,884 | | 0 | 0 | 40 | 5,166 | 5,206 | | | | | | | 14,090 |
| Nov 2004 - Apr 2005 | 9,493 | 79 | 9,572 | | 1,031 | 1,031 | 23 | 5,562 | 5,585 | | | | | | | 16,188 |
| Nov 2005 - Apr 2006 | 7,678 | 12 | 7,690 | | 2,485 | 2,485 | 50 | 4,822 | 4,872 | | | | | | | 15,047 |
| Nov 2006 - Apr 2007 | 13,798 | 66 | 13,864 | | 1,477 | 1,477 | 72 | 3,360 | 3,432 | | | | | | | 18,773 |
| [Nov 2007 - Apr 2008] | 3,673 | 0 | 3,673 | | 291 | 291 | 19 | 6,334 | 6,353 | | | | | | | 10,317 |
| [Nov 2008 - Apr 2009] | 3,424 | 32 | 3,456 | | 65 | 65 | 32 | 6,429 | 6,461 | | | | | | | 9,982 |
| [Nov 2009 - Apr 2010] | 3,843 | 81 | 3,924 | | 439 | 439 | 27 | 5,505 | 5,532 | | | | | | | 9,895 |
| [Nov 2010 - Apr 2011] | 3,686 | 55 | 3,741 | | 0 | 0 | 42 | 4,635 | 4,677 | | | | | | | 8,418 |

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY. BLANK ENTRY INDICATES NO DATA

1/ Red Bluff Diversion Dam

2/ May include numbers of fish for tributaries where estimates were not made

3/ Coleman National Fish Hatchery. Transferred to Coleman National Fish Hatchery from Keswick Dam and / or RBDD

4/ Transferred to Tehama Colusa Fish Facility from Red Bluff Diversion Dam

5/ In 2009 USFWS conducted a comprehensive analysis of Battle Creek coded wire tag data from 2000 - 2008 to estimate numbers of fall and late-fall Chinook returning to Battle Creek. Previously, a cutoff date of December 1st was used to assign run. This changed some Battle Creek estimates.

CHINOOK SALMON ESCAPEMENT - WINTER RUN

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| YEAR | SACRAMENTO RIVER SYSTEM | | | | | | | San Joaquin System Calaveras River | TOTAL CENTRAL VALLEY SYSTEM |
|---------------------|-------------------------|------------------|----------------|-----------------------|----------------------|-----------------|---------------------|---------------------------------------|-----------------------------|
| | Mainstem In-River | | | Hatchery Transfers 1/ | | Battle Creek 4/ | TOTAL 5/ SAC SYSTEM | | |
| | Upstream RBDD 2/ | Downstr. RBDD 3/ | TOTAL In-River | Coleman Hatchery | Livingston Stone NFH | | | | |
| Dec 1969 - Aug 1970 | 40,409 | | 40,409 | | | | 40,409 | 40,409 | |
| Dec 1970 - Aug 1971 | 53,089 | | 53,089 | | | | 53,089 | 53,089 | |
| Dec 1971 - Aug 1972 | 35,929 | | 35,929 | | | | 37,133 | 37,133 | |
| Dec 1972 - Aug 1973 | 22,651 | | 22,651 | | | | 24,079 | 24,079 | |
| Dec 1973 - Aug 1974 | 21,389 | | 21,389 | | | | 21,897 | 21,897 | |
| Dec 1974 - Aug 1975 | 22,579 | | 22,579 | | | | 23,430 | 23,930 | |
| Dec 1975 - Aug 1976 | 33,029 | | 33,029 | | | | 35,096 | 35,596 | |
| Dec 1976 - Aug 1977 | 16,470 | | 16,470 | | | | 17,214 | 17,214 | |
| Dec 1977 - Aug 1978 | 24,735 | | 24,735 | | | | 24,862 | 25,012 | |
| Dec 1978 - Aug 1979 | 2,339 | | 2,339 | | | | 2,364 | 2,364 | |
| Dec 1979 - Aug 1980 | 1,142 | | 1,142 | | | | 1,156 | 1,156 | |
| Dec 1980 - Aug 1981 | 19,795 | 2,756 | 22,551 | | | | 22,797 | 22,797 | |
| Dec 1981 - Aug 1982 | 1,233 | 39 | 1,272 | | | | 1,281 | 1,281 | |
| Dec 1982 - Aug 1983 | 1,827 | | 1,827 | | | | 1,831 | 1,831 | |
| Dec 1983 - Aug 1984 | 2,662 | | 2,662 | | | | 2,663 | 2,763 | |
| Dec 1984 - Aug 1985 | 3,686 | 1,445 | 5,131 | | | | 5,407 | 5,407 | |
| Dec 1985 - Aug 1986 | 2,566 | | 2,566 | | | | 2,596 | 2,596 | |
| Dec 1986 - Aug 1987 | 2,068 | 97 | 2,165 | | | | 2,185 | 2,185 | |
| Dec 1987 - Aug 1988 | 2,129 | 728 | 2,857 | | | | 2,878 | 2,878 | |
| Dec 1988 - Aug 1989 | 635 | 14 | 649 | 42 | | | 696 | 696 | |
| Dec 1989 - Aug 1990 | 384 | 28 | 412 | 14 | | | 430 | 430 | |
| Dec 1990 - Aug 1991 | 177 | 0 | 177 | 33 | | | 211 | 211 | |
| Dec 1991 - Aug 1992 | 1,159 | 44 | 1,203 | 34 | | | 1,240 | 1,240 | |
| Dec 1992 - Aug 1993 | 369 | 9 | 378 | | | | 387 | 387 | |
| Dec 1993 - Aug 1994 | 144 | 0 | 144 | 42 | | | 186 | 186 | |
| Dec 1994 - Aug 1995 | 1,159 | 7 | 1,166 | 43 | | 88 | 1,297 | 1,297 | |
| Dec 1995 - Aug 1996 | 1,012 | 0 | 1,012 | | | 325 | 1,337 | 1,337 | |
| Dec 1996 - Aug 1997 | 836 | 0 | 836 | | | 44 | 880 | 880 | |
| Dec 1997 - Aug 1998 | 2,831 | 62 | 2,893 | | 99 | | 2,992 | 2,992 | |
| Dec 1998 - Aug 1999 | 3,264 | 0 | 3,264 | | 24 | | 3,288 | 3,288 | |
| Dec 1999 - Aug 2000 | 1,261 | 0 | 1,261 | | 89 | 2 | 1,352 | 1,352 | |
| Dec 2000 - Aug 2001 | 8,085 | 35 | 8,120 | | 104 | | 8,224 | 8,224 | |

| Sacramento Mainstem Winter Salmon Data 1/ | | | |
|---|-------------------|----------------------|------------------|
| Fish Passing RBDD 3/ | Angler Harvest 4/ | REDD distribution 2/ | |
| | | Upstream of RBDD | Downstr. of RBDD |
| 40,409 | | | |
| 53,089 | | | |
| 37,133 | 1,204 | | |
| 24,079 | 1,428 | | |
| 21,897 | 508 | | |
| 23,430 | 851 | | |
| 35,096 | 2,067 | | |
| 17,214 | 744 | | |
| 24,862 | 127 | | |
| 2,364 | 25 | | |
| 1,156 | 14 | | |
| 20,041 | 246 | 87.8% | 12.2% |
| 1,242 | 9 | 97.0% | 3.0% |
| 1,831 | 4 | | |
| 2,663 | 1 | | |
| 3,962 | 276 | 71.8% | 28.2% |
| 2,596 | 30 | | |
| 2,088 | 20 | 95.5% | 4.5% |
| 2,150 | 21 | 74.5% | 25.5% |
| 682 | 5 | 97.9% | 2.1% |
| 402 | 4 | 93.3% | 6.7% |
| 211 | 1 | 100.0% | 0% |
| 1,196 | 3 | 96.4% | 3.6% |
| 378 | 9 | 97.7% | 2.3% |
| 186 | 0 | 100.0% | 0% |
| 1,290 | 0 | 99.4% | 0.6% |
| 1,337 | 0 | 100.0% | 0% |
| 880 | 0 | 100.0% | 0% |
| 2,930 | 0 | 97.9% | 2.1% |
| 3,288 | 0 | 100.0% | 0% |
| 1,352 | 0 | 100.0% | 0% |
| 5,499 | 0 | 99.6% | 0.4% |

CHINOOK SALMON ESCAPEMENT - WINTER RUN

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| YEAR | SACRAMENTO RIVER SYSTEM | | | | | | | San Joaquin System Calaveras River | TOTAL CENTRAL VALLEY SYSTEM |
|-----------------------|-------------------------|------------------|----------------|-----------------------|----------------------|-----------------|---------------------|---------------------------------------|-----------------------------|
| | Mainstem In-River | | | Hatchery Transfers 1/ | | Battle Creek 4/ | TOTAL 5/ SAC SYSTEM | | |
| | Upstream RBDD 2/ | Downstr. RBDD 3/ | TOTAL In-River | Coleman Hatchery | Livingston Stone NFH | | | | |
| Dec 2001 - Aug 2002 | 7,325 | 12 | 7,337 | | 104 | | 7,441 | 7,441 | |
| Dec 2002 - Aug 2003 | 8,105 | 28 | 8,133 | | 85 | | 8,218 | 8,218 | |
| Dec 2003 - Aug 2004 | 7,784 | 0 | 7,784 | | 85 | | 7,869 | 7,869 | |
| Dec 2004 - Aug 2005 | 15,730 | 0 | 15,730 | | 109 | 0 | 15,839 | 15,839 | |
| Dec 2005 - Aug 2006 | 17,149 | 48 | 17,197 | 0 | 93 | 6 | 17,296 | 17,296 | |
| Dec 2006 - Aug 2007 | 2,487 | 0 | 2,487 | 0 | 54 | 1 | 2,542 | 2,542 | |
| [Dec 2007 - Aug 2008] | 2,725 | 0 | 2,725 | 0 | 105 | 0 | 2,830 | 2,830 | |
| [Dec 2008 - Aug 2009] | 4,416 | 0 | 4,416 | | 121 | 0 | 4,537 | 4,537 | |
| [Dec 2009 - Aug 2010] | 1,533 | 0 | 1,533 | 0 | 63 | 0 | 1,596 | 1,596 | |
| [Dec 2010 - Aug 2011] | 738 | 0 | 738 | 2 | 86 | 1 | 827 | 827 | |

| Sacramento Mainstem Winter Salmon Data 1/ | | | |
|---|-------------------|----------------------|------------------|
| Fish Passing RBDD 3/ | Angler Harvest 4/ | REDD distribution 2/ | |
| | | Upstream of RBDD | Downstr. of RBDD |
| 9,157 | 0 | 99.8% | 0.2% |
| 9,724 | 0 | 99.7% | 0.3% |
| 7,192 | 0 | 100.0% | 0% |
| 5,299 | 0 | 100.0% | 0% |
| 7,415 | 0 | 99.7% | 0.3% |
| 6,144 | 0 | 100.0% | 0% |
| 3,635 | 0 | 100.0% | 0% |
| | | 100.0% | 0% |
| | | 100.0% | 0% |

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY. BLANK ENTRY INDICATES NO DATA

1/ Fish transferred from Red Bluff Diversion Dam (RBDD) and Keswick Trap to hatcheries

2/ Upstream mainstem in-river estimates prior to 2001 were based on RBDD counts. Subsequent estimates are based on carcass surveys. Numbers using RBDD data are adjusted for angler harvest.

3/ Downstream mainstem numbers based on upstream estimates and redd distribution.

4/ Fish passed upstream of Coleman Weir

5/ Total winter estimate includes mainstem in-river, tributaries, hatcheries, and angler harvest

1/ Data used (when appropriate) to determine mainstem in-river estimate.

2/ Based on aerial survey

3/ Estimated from fish counts at Red Bluff Diversion Dam (RBDD)

4/ Estimated angler harvest upstream of RBDD. After 1995, it was assumed that there was no harvest due to winter-run salmon angling closure.

CHINOOK SALMON ESCAPEMENT - SPRING RUN

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| YEAR | Sacramento River Mainstem | | | Battle Ck 4/ | Clear Ck | Cotton-wood Ck | Antelope Ck | Mill Ck | Thomes Ck | Deer Ck | Big Chico Ck | Butte Ck Snorkel | Feather River | | | Yuba River | Calaveras River | TOTAL SPRING RUN |
|------|---------------------------|---------------|--------|--------------|----------|----------------|-------------|---------|-----------|---------|--------------|------------------|---------------|-------------|-------|------------|-----------------|------------------|
| | Upstr. RBDD 1/ | Downstr. RBDD | TOTAL | | | | | | | | | | In-River 2/ | Hatchery 3/ | TOTAL | | | |
| 1960 | | | | | | | | 2,368 | | | | 8,700 | | | | | | 11,068 |
| 1961 | | | | | | | | 1,245 | | | | 3,082 | | | | | | 4,327 |
| 1962 | | | | | | | | 1,692 | | | 200 | 1,750 | | | | | | 3,642 |
| 1963 | | | | | 0 | | | 1,315 | | 2,302 | 500 | 6,100 | 600 | | 600 | | | 10,817 |
| 1964 | | | | | 0 | | | 1,539 | | 2,874 | 100 | 600 | 2,908 | | 2,908 | | | 8,021 |
| 1965 | | | | | 0 | | | | | | 50 | 1,000 | 738 | | 738 | | | 1,788 |
| 1966 | | | | | 0 | | | | | | 50 | 80 | 297 | | 297 | | | 427 |
| 1967 | | | | | | | | | | | 150 | 180 | | 146 | 146 | | | 476 |
| 1968 | | | | | 0 | | | | | | 175 | 280 | | 208 | 208 | | | 663 |
| 1969 | 20,000 | | 20,000 | | 0 | | | | | | 200 | 830 | | 348 | 348 | | | 21,378 |
| 1970 | 3,652 | | 3,652 | | | | | 1,500 | | 2,000 | | 285 | | 235 | 235 | | | 7,672 |
| 1971 | 5,830 | | 5,830 | | | | | 1,000 | | 1,500 | 0 | 470 | | 481 | 481 | | | 9,281 |
| 1972 | 7,038 | | 7,038 | | | | | 500 | | 400 | | 150 | | 256 | 256 | 500 | | 8,844 |
| 1973 | 7,175 | | 7,175 | | | 0 | | 1,700 | | 2,000 | 50 | 300 | | 205 | 205 | | | 11,430 |
| 1974 | 3,800 | | 3,800 | | | 3 | | 1,500 | | 3,500 | 100 | 150 | | 198 | 198 | | | 9,251 |
| 1975 | 10,234 | | 10,234 | | | 3 | | 3,500 | | 8,500 | | 650 | | 691 | 691 | | | 23,578 |
| 1976 | 25,095 | | 25,095 | | | | | | | | | 46 | | 699 | 699 | | | 25,840 |
| 1977 | 11,545 | | 11,545 | | | | | 460 | | 340 | 100 | 100 | | 185 | 185 | | | 12,730 |
| 1978 | 5,669 | | 5,669 | | | | | 925 | | 1,200 | | 128 | 2 | 202 | 204 | | | 8,126 |
| 1979 | 2,856 | | 2,856 | | | | | | | | | 10 | | 250 | 250 | | | 3,116 |
| 1980 | 9,363 | 6 | 9,369 | | | | | 500 | | 1,500 | | 226 | 400 | 269 | 669 | 200 | | 12,464 |
| 1981 | 20,655 | | 20,655 | | | | | | | | | 250 | 531 | 469 | 1,000 | 200 | | 22,105 |
| 1982 | 23,156 | | 23,156 | | | 0 | | 700 | | 1,500 | | 534 | 90 | 1,910 | 2,000 | | | 27,890 |
| 1983 | 3,854 | 1,793 | 5,647 | | | | 59 | | | 500 | | 50 | | 1,702 | 1,702 | | | 7,958 |
| 1984 | 7,823 | | 7,823 | | | | | 191 | | | 0 | 23 | | 1,562 | 1,562 | | | 9,599 |
| 1985 | 10,200 | 2,713 | 12,913 | | | | | 121 | | 301 | 0 | 254 | | 1,632 | 1,632 | | | 15,221 |
| 1986 | 15,948 | 6,110 | 22,058 | | | | | 291 | | 543 | | 1,371 | | 1,433 | 1,433 | | | 25,696 |
| 1987 | 10,911 | 1,460 | 12,371 | | | | | 90 | | 200 | | 14 | | 1,213 | 1,213 | | | 13,888 |
| 1988 | 9,601 | 266 | 9,867 | | | | | 572 | | 371 | | 1,290 | | 6,833 | 6,833 | | | 18,933 |
| 1989 | 5,131 | 0 | 5,131 | 7 | | 0 | | 563 | | 84 | | 1,300 | | 5,078 | 5,078 | | | 12,163 |
| 1990 | 3,896 | 302 | 4,198 | 2 | | | | 844 | | 496 | | 250 | | 1,893 | 1,893 | | | 7,683 |
| 1991 | 766 | 59 | 825 | | | | | 319 | | 479 | | | | 4,303 | 4,303 | | | 5,926 |
| 1992 | 371 | 0 | 371 | | | | 0 | 237 | | 209 | | 730 | | 1,497 | 1,497 | | | 3,044 |

CHINOOK SALMON ESCAPEMENT - SPRING RUN

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| YEAR | Sacramento River Mainstem | | | Battle Ck 4/ | Clear Ck | Cotton-wood Ck | Antelope Ck | Mill Ck | Thomes Ck | Deer Ck | Big Chico Ck | Butte Ck Snorkel | Feather River | | | Yuba River | Calaveras River | TOTAL SPRING RUN |
|--------|---------------------------|---------------|-------|--------------|----------|----------------|-------------|---------|-----------|---------|--------------|------------------|---------------|-------------|-------|------------|-----------------|------------------|
| | Upstr. RBDD 1/ | Downstr. RBDD | TOTAL | | | | | | | | | | In-River 2/ | Hatchery 3/ | TOTAL | | | |
| 1993 | 391 | 0 | 391 | | 1 | 1 | 3 | 61 | | 259 | 38 | 650 | | 4,672 | 4,672 | | | 6,076 |
| 1994 | 862 | 0 | 862 | | 0 | | 0 | 723 | | 485 | 2 | 474 | | 3,641 | 3,641 | | | 6,187 |
| 1995 | 349 | 77 | 426 | 66 | 2 | 8 | 7 | 320 | | 1,295 | 200 | 7,500 | | 5,414 | 5,414 | | | 15,238 |
| 1996 | 378 | 0 | 378 | 35 | | 6 | 1 | 253 | | 614 | 2 | 1,413 | | 6,381 | 6,381 | | | 9,083 |
| 1997 | 126 | 2 | 128 | 107 | | 0 | 0 | 202 | | 466 | 2 | 635 | | 3,653 | 3,653 | | | 5,193 |
| 1998 | 1,115 | 0 | 1,115 | 178 | 47 | 477 | 154 | 424 | 1 | 1,879 | 369 | 20,259 | | 6,746 | 6,746 | | | 31,649 |
| 1999 | 262 | 0 | 262 | 73 | 35 | 102 | 40 | 560 | | 1,591 | 27 | 3,679 | | 3,731 | 3,731 | | | 10,100 |
| 2000 | 43 | 0 | 43 | 78 | 9 | 122 | 9 | 544 | | 637 | 27 | 4,118 | | 3,657 | 3,657 | | | 9,244 |
| 2001 | 600 | 21 | 621 | 111 | 0 | 245 | 8 | 1,104 | | 1,622 | 39 | 9,605 | | 4,135 | 4,135 | 108 | | 17,598 |
| 2002 | 195 | 0 | 195 | 222 | 66 | 125 | 46 | 1,594 | 2 | 2,195 | 0 | 8,785 | | 4,189 | 4,189 | | | 17,419 |
| 2003 | 0 | 0 | 0 | 221 | 25 | 73 | 46 | 1,426 | | 2,759 | 81 | 4,398 | | 8,662 | 8,662 | | | 17,691 |
| 2004 | 370 | 0 | 370 | 90 | 98 | 17 | 3 | 998 | | 804 | 0 | 7,390 | | 4,212 | 4,212 | | | 13,982 |
| 2005 | 0 | 30 | 30 | 73 | 69 | 47 | 82 | 1,150 | | 2,239 | 37 | 10,625 | | 1,774 | 1,774 | | | 16,126 |
| 2006 | 0 | 0 | 0 | 221 | 77 | 55 | 102 | 1,002 | | 2,432 | 299 | 4,579 | | 2,181 | 2,181 | | | 10,948 |
| 2007 | 248 | 0 | 248 | 291 | 194 | 34 | 26 | 920 | | 644 | 0 | 4,943 | | 2,635 | 2,635 | | | 9,935 |
| [2008] | 0 | 52 | 52 | 105 | 200 | 0 | 2 | 362 | | 140 | 0 | 3,935 | | 1,624 | 1,624 | | | 6,420 |
| [2009] | 0 | 0 | 0 | 194 | 120 | 0 | 0 | 220 | | 213 | 6 | 2,059 | | 989 | 989 | | | 3,801 |
| [2010] | 0 | 0 | 0 | 172 | 21 | 15 | 17 | 482 | | 262 | 2 | 1,160 | | 1,661 | 1,661 | | | 3,792 |
| [2011] | 0 | 0 | 0 | 157 | 8 | 2 | 6 | 366 | | 271 | 124 | 2,130 | | 1,969 | 1,969 | | | 5,033 |

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY. BLANK ENTRY INDICATES NO DATA

1/ Red Bluff Diversion Dam. Estimates for 1960 - 1968 spring run are included with fall run.

2/ Feather River Survey does not provide separate estimates for fall and spring escapement. Spring-run estimates are included with fall-run estimates. Fish were transported above Oroville Dam in 1964-1966.

3/ Feather River Hatchery implemented a methodology change in 2005 for distinguishing spring-run from fall-run. Fish arriving prior to the spring-run spawning period were tagged and returned to the river. The spring-run escapement was the number of these tagged fish that subsequently returned to the hatchery during the spring-run spawning period.

4/ In 2009 USFWS conducted a comprehensive analysis of Battle Creek coded wire tag data from 2000 - 2008 to estimate numbers of fall and late-fall Chinook returning to Battle Creek. Previously, a cutoff date of December 1st was used to assign run. This changed some Battle Creek estimates.

CHINOOK SALMON ESCAPEMENT - FALL RUN Summary I

CENTRAL VALLEY: Sacramento and San Joaquin River Systems

| YEAR | Sacramento River System | | | | San Joaquin River System | | | Sacramento and San Joaquin River Systems | | |
|------|-------------------------|----------|-------------|---------|--------------------------|-------------------------|--------|--|----------|---------|
| | Hatcheries 1/ | In-River | | TOTAL | Hatcheries 2/ | In-River Tributaries | TOTAL | Hatcheries | In-River | TOTAL |
| | | Mainstem | Tributaries | | | | | | | |
| 1952 | 11,000 | 267,000 | 60,000 | 338,000 | | 22,000 | 22,000 | 11,000 | 349,000 | 360,000 |
| 1953 | 12,000 | 408,000 | 93,000 | 513,000 | | 84,000 | 84,000 | 12,000 | 585,000 | 597,000 |
| 1954 | 8,000 | 276,000 | 128,000 | 412,000 | | 75,000 | 75,000 | 8,000 | 479,000 | 487,000 |
| 1955 | 18,000 | 231,000 | 120,300 | 369,300 | | 31,000 | 31,000 | 18,000 | 382,300 | 400,300 |
| 1956 | 8,995 | 93,157 | 52,448 | 154,600 | | 12,174 | 12,174 | 8,995 | 157,779 | 166,774 |
| 1957 | 3,920 | 67,189 | 31,889 | 102,998 | | 15,182 | 15,182 | 3,920 | 114,260 | 118,180 |
| 1958 | 24,214 | 127,753 | 88,620 | 240,587 | | 46,879 | 46,879 | 24,214 | 263,252 | 287,466 |
| 1959 | 24,076 | 266,600 | 135,517 | 426,193 | | 52,706 | 52,706 | 24,076 | 454,823 | 478,899 |
| 1960 | 38,771 | 232,940 | 147,050 | 418,761 | | 57,255 | 57,255 | 38,771 | 437,245 | 476,016 |
| 1961 | 22,465 | 149,581 | 78,989 | 251,035 | | 2,587 | 2,587 | 22,465 | 231,157 | 253,622 |
| 1962 | 17,510 | 136,337 | 96,034 | 249,881 | | 1,755 | 1,755 | 17,510 | 234,126 | 251,636 |
| 1963 | 8,325 | 145,681 | 137,905 | 291,911 | | 2,301 | 2,301 | 8,325 | 285,887 | 294,212 |
| 1964 | 30,498 | 148,084 | 126,400 | 304,982 | 362 | 9,883 | 10,245 | 30,860 | 284,367 | 315,227 |
| 1965 | 20,398 | 103,376 | 66,195 | 189,969 | 173 | 7,448 | 7,621 | 20,571 | 177,019 | 197,590 |
| 1966 | 10,846 | 114,981 | 60,700 | 186,527 | 480 | 8,826 | 9,306 | 11,326 | 184,507 | 195,833 |
| 1967 | 10,053 | 91,690 | 55,900 | 157,643 | 250 | 22,535 | 22,785 | 10,303 | 170,125 | 180,428 |
| 1968 | 14,703 | 110,229 | 66,640 | 191,572 | 954 | 17,788 | 18,742 | 15,657 | 194,657 | 210,314 |
| 1969 | 10,069 | 133,252 | 124,857 | 268,178 | 615 | 51,597 | 52,212 | 10,684 | 309,706 | 320,390 |
| 1970 | 15,496 | 71,002 | 110,898 | 197,396 | 648 | 37,449 | 38,097 | 16,144 | 219,349 | 235,493 |
| 1971 | 15,950 | 81,549 | 96,263 | 193,762 | 1,125 | 43,732 | 44,857 | 17,075 | 221,544 | 238,619 |
| 1972 | 13,609 | 50,979 | 73,727 | 138,315 | 472 | 14,276 | 14,748 | 14,081 | 138,982 | 153,063 |
| 1973 | 25,733 | 60,219 | 177,473 | 263,425 | 782 | 7,113 | 7,895 | 26,515 | 244,805 | 271,320 |
| 1974 | 15,898 | 76,380 | 136,741 | 229,019 | 1,222 | 4,385 | 5,607 | 17,120 | 217,506 | 234,626 |
| 1975 | 17,102 | 89,302 | 81,160 | 187,564 | 1,099 | 6,726 | 7,825 | 18,201 | 177,188 | 195,389 |
| 1976 | 14,140 | 83,735 | 92,660 | 190,535 | 718 | 3,955 | 4,673 | 14,858 | 180,350 | 195,208 |
| 1977 | 22,565 | 63,396 | 97,991 | 183,952 | 661 | 1,050 | 1,711 | 23,226 | 162,437 | 185,663 |
| 1978 | 16,855 | 80,241 | 56,705 | 153,801 | 586 | 2,575 | 3,161 | 17,441 | 139,521 | 156,962 |
| 1979 | 25,626 | 112,743 | 84,180 | 222,549 | 734 | 4,363 | 5,097 | 26,360 | 201,286 | 227,646 |
| 1980 | 30,601 | 50,549 | 83,891 | 165,041 | 796 | 6,300 | 7,096 | 31,397 | 140,740 | 172,137 |
| 1981 | 41,531 | 69,552 | 118,554 | 229,637 | 924 | 29,698 | 30,622 | 42,455 | 217,804 | 260,259 |
| 1982 | 39,211 | 40,544 | 131,190 | 210,945 | 2,866 | 16,895 | 19,761 | 42,077 | 188,629 | 230,706 |
| 1983 | 26,622 | 56,977 | 72,046 | 155,645 | 6,363 | 43,282 | 49,645 | 32,985 | 172,305 | 205,290 |
| 1984 | 44,324 | 54,925 | 99,483 | 198,732 | 2,109 | 62,066 | 64,175 | 46,433 | 216,474 | 262,907 |

CHINOOK SALMON ESCAPEMENT - FALL RUN Summary I**CENTRAL VALLEY: Sacramento and San Joaquin River Systems**

| YEAR | Sacramento River System | | | | San Joaquin River System | | | Sacramento and San Joaquin River Systems | | |
|--------|-------------------------|----------|-------------|---------|--------------------------|-------------------------|--------|--|----------|---------|
| | Hatcheries 1/ | In-River | | TOTAL | Hatcheries 2/ | In-River Tributaries | TOTAL | Hatcheries | In-River | TOTAL |
| | | Mainstem | Tributaries | | | | | | | |
| 1985 | 35,976 | 94,148 | 148,431 | 278,555 | 1,434 | 76,315 | 77,749 | 37,410 | 318,894 | 356,304 |
| 1986 | 26,804 | 107,365 | 135,144 | 269,313 | 2,563 | 25,944 | 28,507 | 29,367 | 268,453 | 297,820 |
| 1987 | 32,622 | 107,682 | 134,480 | 274,784 | 1,588 | 25,211 | 26,799 | 34,210 | 267,373 | 301,583 |
| 1988 | 28,720 | 82,260 | 136,245 | 247,225 | 585 | 20,626 | 21,211 | 29,305 | 239,131 | 268,436 |
| 1989 | 29,305 | 59,069 | 90,484 | 178,858 | 163 | 3,329 | 3,492 | 29,468 | 152,882 | 182,350 |
| 1990 | 25,611 | 48,284 | 12,803 | 86,698 | 114 | 1,041 | 1,155 | 25,725 | 62,128 | 87,853 |
| 1991 | 28,528 | 30,631 | 72,296 | 131,455 | 83 | 917 | 1,000 | 28,611 | 103,844 | 132,455 |
| 1992 | 30,171 | 32,229 | 44,995 | 107,395 | 1,078 | 1,940 | 3,018 | 31,249 | 79,164 | 110,413 |
| 1993 | 30,234 | 46,231 | 82,975 | 159,440 | 2,573 | 3,410 | 5,983 | 32,807 | 132,616 | 165,423 |
| 1994 | 42,760 | 58,546 | 111,078 | 212,384 | 2,862 | 5,421 | 8,283 | 45,622 | 175,045 | 220,667 |
| 1995 | 45,324 | 63,934 | 211,025 | 320,283 | 3,925 | 5,960 | 9,885 | 49,249 | 280,919 | 330,168 |
| 1996 | 36,936 | 84,086 | 213,646 | 334,668 | 5,024 | 11,859 | 16,883 | 41,960 | 309,591 | 351,551 |
| 1997 | 71,448 | 119,296 | 185,484 | 376,228 | 7,440 | 19,129 | 26,569 | 78,888 | 323,909 | 402,797 |
| 1998 | 75,028 | 6,318 | 141,079 | 222,425 | 3,890 | 19,711 | 23,601 | 78,918 | 167,108 | 246,026 |
| 1999 | 49,657 | 161,192 | 180,501 | 391,350 | 4,787 | 18,122 | 22,909 | 54,444 | 359,815 | 414,259 |
| 2000 | 50,965 | 96,688 | 290,698 | 438,351 | 7,396 | 39,934 | 47,330 | 58,361 | 427,320 | 485,681 |
| 2001 | 61,318 | 75,296 | 453,323 | 589,937 | 7,391 | 27,303 | 34,694 | 68,709 | 555,922 | 624,631 |
| 2002 | 96,248 | 65,690 | 672,962 | 834,900 | 9,753 | 28,016 | 37,769 | 106,001 | 766,668 | 872,669 |
| 2003 | 118,097 | 89,229 | 362,161 | 569,487 | 8,666 | 12,839 | 21,505 | 126,763 | 464,229 | 590,992 |
| 2004 | 116,869 | 43,604 | 202,904 | 363,377 | 11,406 | 12,065 | 23,471 | 128,275 | 258,573 | 386,848 |
| 2005 | 187,427 | 57,012 | 172,457 | 416,896 | 5,984 | 14,813 | 20,797 | 193,411 | 244,282 | 437,693 |
| 2006 | 80,594 | 55,468 | 146,427 | 282,489 | 4,289 | 6,176 | 10,465 | 84,883 | 208,071 | 292,954 |
| 2007 | 22,511 | 17,061 | 54,767 | 94,339 | 1,130 | 1,699 | 2,829 | 23,641 | 73,527 | 97,168 |
| [2008] | 18,905 | 24,743 | 25,566 | 69,214 | 315 | 2,341 | 2,656 | 19,220 | 52,650 | 71,870 |
| [2009] | 20,904 | 5,827 | 22,842 | 49,573 | 1,799 | 1,757 | 3,556 | 22,703 | 30,426 | 53,129 |
| [2010] | 46,306 | 16,372 | 90,154 | 152,832 | 5,421 | 4,937 | 10,358 | 51,727 | 111,463 | 163,190 |
| [2011] | 87,679 | 11,957 | 105,460 | 205,096 | 16,293 | 6,500 | 22,793 | 103,972 | 123,917 | 227,889 |

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY. BLANK ENTRY INDICATES NO DATA

1/ Coleman National Fish Hatchery, Tehama-Colusa Fish Facility, Feather River Hatchery, and Nimbus Hatchery

2/ Mokelumne River Fish Installation and Merced River Fish Facility

CHINOOK SALMON ESCAPEMENT - FALL RUN Summary II

SACRAMENTO RIVER SYSTEM

| YEAR | Keswick Dam to Red Bluff Diversion Dam | | | | Red Bluff Diversion Dam to Princeton Ferry | | | | Princeton Ferry to Sacramento | | |
|------|--|----------|-------------|---------|--|----------|----------------|---------|-------------------------------|----------------------|---------|
| | Coleman Hatchery | In-River | | TOTAL | Tehama Colusa Hatchery | In-River | | TOTAL | Feather + Nimbus Hatcheries | In-River Tributaries | TOTAL |
| | | Mainstem | Tributaries | | | Mainstem | Tributaries 1/ | | | | |
| 1952 | 11,000 | 210,716 | 4,000 | 225,716 | | 56,284 | 31,000 | 87,284 | | 25,000 | 25,000 |
| 1953 | 12,000 | 321,409 | 12,300 | 345,709 | | 86,591 | 18,700 | 105,291 | | 62,000 | 62,000 |
| 1954 | 8,000 | 217,551 | 13,000 | 238,551 | | 58,449 | 13,000 | 71,449 | | 102,000 | 102,000 |
| 1955 | 10,000 | 182,293 | 18,800 | 211,093 | | 48,707 | 4,500 | 53,207 | 8,000 | 97,000 | 105,000 |
| 1956 | 7,458 | 87,357 | 21,500 | 116,315 | | 5,800 | 2,848 | 8,648 | 1,537 | 28,100 | 29,637 |
| 1957 | 3,045 | 54,989 | 3,853 | 61,887 | | 12,200 | 9,249 | 21,449 | 875 | 18,787 | 19,662 |
| 1958 | 14,643 | 107,153 | 20,530 | 142,326 | | 20,600 | 8,240 | 28,840 | 9,571 | 59,850 | 69,421 |
| 1959 | 10,833 | 256,700 | 25,120 | 292,653 | | 9,900 | 2,347 | 12,247 | 13,243 | 108,050 | 121,293 |
| 1960 | 9,605 | 218,940 | 16,160 | 244,705 | | 14,000 | 1,990 | 15,990 | 29,166 | 128,900 | 158,066 |
| 1961 | 8,156 | 140,181 | 13,200 | 161,537 | | 9,400 | 1,689 | 11,089 | 14,309 | 64,100 | 78,409 |
| 1962 | 4,857 | 127,837 | 21,100 | 153,794 | | 8,500 | 7,184 | 15,684 | 12,653 | 67,750 | 80,403 |
| 1963 | 5,114 | 138,881 | 25,900 | 169,895 | | 6,800 | 2,835 | 9,635 | 3,211 | 109,170 | 112,381 |
| 1964 | 3,875 | 142,584 | 19,000 | 165,459 | | 5,500 | 600 | 6,100 | 26,623 | 106,800 | 133,423 |
| 1965 | 3,194 | 101,876 | 10,785 | 115,855 | | 1,500 | 410 | 1,910 | 17,204 | 55,000 | 72,204 |
| 1966 | 900 | 111,881 | 14,500 | 127,281 | | 3,100 | 800 | 3,900 | 9,946 | 45,400 | 55,346 |
| 1967 | 3,050 | 82,490 | 3,680 | 89,220 | | 9,200 | 620 | 9,820 | 7,003 | 51,600 | 58,603 |
| 1968 | 3,526 | 98,429 | 20,140 | 122,095 | | 11,800 | 1,100 | 12,900 | 11,177 | 45,400 | 56,577 |
| 1969 | 2,626 | 115,652 | 16,537 | 134,815 | | 17,600 | 2,690 | 20,290 | 7,443 | 105,630 | 113,073 |
| 1970 | 3,512 | 65,142 | 8,628 | 77,282 | | 5,860 | 1,590 | 7,450 | 11,984 | 100,680 | 112,664 |
| 1971 | 2,004 | 53,888 | 3,285 | 59,177 | 295 | 27,661 | 1,533 | 29,489 | 13,651 | 91,445 | 105,096 |
| 1972 | 2,822 | 33,958 | 2,030 | 38,810 | 110 | 17,021 | 1,330 | 18,461 | 10,677 | 70,367 | 81,044 |
| 1973 | 3,835 | 41,129 | 4,300 | 49,264 | 886 | 19,090 | 1,712 | 21,688 | 21,012 | 171,461 | 192,473 |
| 1974 | 1,607 | 47,019 | 2,294 | 50,920 | 843 | 29,361 | 2,324 | 32,528 | 13,448 | 132,123 | 145,571 |
| 1975 | 2,431 | 53,129 | 2,426 | 57,986 | 1,994 | 36,173 | 2,226 | 40,393 | 12,677 | 76,508 | 89,185 |
| 1976 | 2,297 | 45,753 | 7,480 | 55,530 | 1,430 | 37,982 | 800 | 40,212 | 10,413 | 84,380 | 94,793 |
| 1977 | 5,244 | 16,176 | 8,478 | 29,898 | 1,669 | 47,220 | 1,518 | 50,407 | 15,652 | 87,995 | 103,647 |
| 1978 | 1,882 | 32,235 | 2,950 | 37,067 | 2,052 | 48,006 | 390 | 50,448 | 12,921 | 53,365 | 66,286 |
| 1979 | 8,729 | 47,758 | 4,430 | 60,917 | 2,456 | 64,985 | 1,590 | 69,031 | 14,441 | 78,160 | 92,601 |
| 1980 | 9,503 | 21,961 | 4,940 | 36,404 | 1,865 | 28,588 | 681 | 31,134 | 19,233 | 78,270 | 97,503 |
| 1981 | 10,272 | 29,212 | 13,422 | 52,906 | 2,384 | 40,340 | 2,907 | 45,631 | 28,875 | 102,225 | 131,100 |
| 1982 | 19,525 | 17,966 | 8,785 | 46,276 | 1,225 | 22,578 | 2,082 | 25,885 | 18,461 | 120,323 | 138,784 |
| 1983 | 8,756 | 26,226 | 6,327 | 41,309 | 1,267 | 30,751 | 1,240 | 33,258 | 16,599 | 64,479 | 81,078 |

CHINOOK SALMON ESCAPEMENT - FALL RUN Summary II

SACRAMENTO RIVER SYSTEM

| YEAR | Keswick Dam to Red Bluff Diversion Dam | | | | Red Bluff Diversion Dam to Princeton Ferry | | | | Princeton Ferry to Sacramento | | |
|--------|--|----------|-------------|---------|--|----------|----------------|--------|-------------------------------|----------------------|---------|
| | Coleman Hatchery | In-River | | TOTAL | Tehama Colusa Hatchery | In-River | | TOTAL | Feather + Nimbus Hatcheries | In-River Tributaries | TOTAL |
| | | Mainstem | Tributaries | | | Mainstem | Tributaries 1/ | | | | |
| 1984 | 21,581 | 36,965 | 13,152 | 71,698 | 1,206 | 17,960 | 7,150 | 26,316 | 21,537 | 79,181 | 100,718 |
| 1985 | 16,320 | 52,120 | 24,188 | 92,628 | 4,752 | 42,028 | 4,765 | 51,545 | 14,904 | 119,478 | 134,382 |
| 1986 | 12,481 | 68,821 | 18,771 | 100,073 | | 38,544 | 830 | 39,374 | 14,323 | 115,543 | 129,866 |
| 1987 | 16,256 | 76,562 | 7,993 | 100,811 | | 31,120 | 346 | 31,466 | 16,366 | 126,141 | 142,507 |
| 1988 | 13,615 | 63,998 | 58,313 | 135,926 | | 18,262 | 1,487 | 19,749 | 15,105 | 76,445 | 91,550 |
| 1989 | 11,986 | 48,968 | 21,215 | 82,169 | | 10,101 | 1,923 | 12,024 | 17,319 | 67,346 | 84,665 |
| 1990 | 14,635 | 32,109 | 7,464 | 54,208 | | 16,175 | | 16,175 | 10,976 | 5,339 | 16,315 |
| 1991 | 10,683 | 20,523 | 9,260 | 40,466 | | 10,108 | | 10,108 | 17,845 | 63,036 | 80,881 |
| 1992 | 7,275 | 23,914 | 7,618 | 38,807 | | 8,315 | 999 | 9,314 | 22,896 | 36,378 | 59,274 |
| 1993 | 7,587 | 33,471 | 12,275 | 53,333 | | 12,760 | 2,047 | 14,807 | 22,647 | 68,653 | 91,300 |
| 1994 | 18,991 | 44,729 | 26,820 | 90,540 | | 13,817 | 1,388 | 15,205 | 23,769 | 82,870 | 106,639 |
| 1995 | 26,677 | 53,385 | 65,813 | 145,875 | | 10,549 | | 10,549 | 18,647 | 145,212 | 163,859 |
| 1996 | 21,178 | 71,725 | 58,331 | 151,234 | | 12,361 | | 12,361 | 15,758 | 155,315 | 171,073 |
| 1997 | 50,670 | 98,765 | 59,313 | 208,748 | | 20,531 | 1,681 | 22,212 | 20,778 | 124,490 | 145,268 |
| 1998 | 44,351 | 5,718 | 58,216 | 108,285 | | 600 | 816 | 1,416 | 30,677 | 82,047 | 112,724 |
| 1999 | 26,970 | 133,365 | 100,932 | 261,267 | | 27,827 | | 27,827 | 22,687 | 79,569 | 102,256 |
| 2000 | 21,659 | 87,793 | 60,134 | 169,586 | | 8,895 | | 8,895 | 29,306 | 230,564 | 259,870 |
| 2001 | 24,698 | 57,920 | 111,469 | 194,087 | | 17,376 | | 17,376 | 36,620 | 341,854 | 378,474 |
| 2002 | 65,924 | 45,552 | 413,220 | 524,696 | | 20,138 | 2,611 | 22,749 | 30,324 | 257,131 | 287,455 |
| 2003 | 88,234 | 66,485 | 74,239 | 228,958 | | 22,744 | 2,426 | 25,170 | 29,863 | 285,496 | 315,359 |
| 2004 | 69,172 | 34,050 | 30,226 | 133,448 | | 9,554 | 1,492 | 11,046 | 47,697 | 171,186 | 218,883 |
| 2005 | 142,673 | 44,950 | 35,344 | 222,967 | | 12,062 | 3,389 | 15,451 | 44,754 | 133,724 | 178,478 |
| 2006 | 57,832 | 46,568 | 32,124 | 136,524 | | 8,900 | 3,308 | 12,208 | 22,762 | 110,995 | 133,757 |
| 2007 | 11,744 | 14,097 | 17,495 | 43,336 | | 2,964 | 1,414 | 4,378 | 10,767 | 35,858 | 46,625 |
| [2008] | 10,639 | 23,134 | 12,970 | 46,743 | | 1,609 | 360 | 1,969 | 8,266 | 12,236 | 20,502 |
| [2009] | 6,152 | 5,311 | 7,597 | 19,060 | | 516 | 160 | 676 | 14,752 | 15,085 | 29,837 |
| [2010] | 17,238 | 13,824 | 15,497 | 46,559 | | 2,548 | 310 | 2,858 | 29,068 | 74,347 | 103,415 |
| [2011] | 42,383 | 10,623 | 21,308 | 74,314 | | 1,334 | 1,893 | 3,227 | 45,296 | 82,259 | 127,555 |

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY. BLANK ENTRY INDICATES NO DATA

1/ Data for 1952 - 1959 may include some estimates from tributaries between Keswick Dam and Red Bluff.

CHINOOK SALMON ESCAPEMENT - FALL RUN Section 1

SACRAMENTO RIVER SYSTEM: Keswick Dam to Red Bluff Diversion Dam (RBDD)

| YEAR | Sacramento River Mainstem | | | Battle Creek 5/ | | | | Clear Ck | Spring Gulch | China Gulch | Olney Ck | Cottonwood | Paynes Ck | Cow Ck | Bear Ck | Ash Ck | Still-water | Inks Ck | Other 4/ |
|------|---------------------------|-------------------|---------|-----------------|---------------|----------------|--------|----------|--------------|-------------|----------|------------|-----------|--------|---------|--------|-------------|---------|----------|
| | In-River 1/ | Trans. to CNFH 2/ | TOTAL | CNFH | Downstr. CNFH | Upstr. CNFH 3/ | TOTAL | | | | | | | | | | | | |
| 1952 | 203,716 | 7,000 | 210,716 | 11,000 | 4,000 | | 15,000 | | | | | | | | | | | | |
| 1953 | 313,409 | 8,000 | 321,409 | 12,000 | 4,000 | | 16,000 | 1,500 | | | | 3,000 | | 3,000 | 800 | | | | |
| 1954 | 211,551 | 6,000 | 217,551 | 8,000 | 4,000 | | 12,000 | 3,000 | | | | 1,000 | | 4,500 | 500 | | | | |
| 1955 | 176,293 | 6,000 | 182,293 | 10,000 | 16,000 | | 26,000 | 500 | | | | 800 | | 1,300 | 200 | | | | |
| 1956 | 84,716 | 2,641 | 87,357 | 7,458 | 13,650 | | 21,108 | 2,650 | 950 | 385 | | 660 | | 3,200 | 5 | | | | |
| 1957 | 47,300 | 7,689 | 54,989 | 3,045 | 2,285 | | 5,330 | 330 | | | | 358 | | 700 | 30 | 10 | 140 | | |
| 1958 | 99,300 | 7,853 | 107,153 | 14,643 | 14,500 | 100 | 29,243 | 1,600 | | 200 | 30 | 600 | | 3,300 | 200 | | | | |
| 1959 | 249,600 | 7,100 | 256,700 | 10,833 | 19,300 | 100 | 30,233 | 775 | 955 | | | 3,300 | | 680 | 10 | | | | |
| 1960 | 210,000 | 8,940 | 218,940 | 9,605 | 14,200 | | 23,805 | 900 | | | | 350 | | 650 | 50 | 10 | | | |
| 1961 | 134,700 | 5,481 | 140,181 | 8,156 | 11,700 | | 19,856 | | | | | 1,500 | | | | | | | |
| 1962 | 115,500 | 12,337 | 127,837 | 4,857 | 8,200 | | 13,057 | 5,400 | | | | 6,000 | | 1,500 | | | | | |
| 1963 | 135,200 | 3,681 | 138,881 | 5,114 | 12,400 | | 17,514 | 10,000 | | | | 3,500 | | | | | | | |
| 1964 | 140,500 | 2,084 | 142,584 | 3,875 | 12,000 | | 15,875 | 2,500 | | | | 3,450 | | 1,000 | 50 | | | | |
| 1965 | 98,900 | 2,976 | 101,876 | 3,194 | 6,000 | | 9,194 | 2,500 | | | | 900 | 35 | 1,000 | 350 | | | | |
| 1966 | 107,900 | 3,981 | 111,881 | 900 | 2,400 | | 3,300 | 900 | | | | 2,900 | 300 | 7,600 | 400 | | | | |
| 1967 | 78,100 | 4,390 | 82,490 | 3,050 | 2,160 | | 5,210 | 370 | | | | 600 | | 520 | 30 | | | | |
| 1968 | 95,600 | 2,829 | 98,429 | 3,526 | 2,950 | | 6,476 | 800 | | | | 8,540 | | 7,540 | 310 | | | | |
| 1969 | 114,600 | 1,052 | 115,652 | 2,626 | 3,200 | | 5,826 | 1,240 | | | | 4,967 | 300 | 5,570 | 560 | 320 | 150 | 230 | |
| 1970 | 62,298 | 2,844 | 65,142 | 3,512 | 3,320 | | 6,832 | | | | | | | | | | | | 5,308 |
| 1971 | 52,247 | 1,641 | 53,888 | 2,004 | 3,285 | | 5,289 | | | | | | | | | | | | |
| 1972 | 33,559 | 399 | 33,958 | 2,822 | 2,030 | | 4,852 | | | | | | | | | | | | |
| 1973 | 40,424 | 705 | 41,129 | 3,835 | 4,300 | | 8,135 | | | | | | | | | | | | |
| 1974 | 45,590 | 1,429 | 47,019 | 1,607 | 2,294 | | 3,901 | | | | | | | | | | | | |
| 1975 | 52,248 | 881 | 53,129 | 2,431 | 2,426 | | 4,857 | | | | | | | | | | | | |
| 1976 | 43,604 | 2,149 | 45,753 | 2,297 | 3,147 | | 5,444 | 1,013 | | | | 2,427 | | 726 | 167 | | | | |
| 1977 | 15,784 | 392 | 16,176 | 5,244 | 5,604 | | 10,848 | 1,362 | | | | 1,512 | | | | | | | |
| 1978 | 32,235 | | 32,235 | 1,882 | 1,770 | | 3,652 | 60 | | | | 1,120 | | | | | | | |
| 1979 | 47,758 | | 47,758 | 8,729 | 4,430 | | 13,159 | | | | | | | | | | | | |
| 1980 | 21,961 | | 21,961 | 9,503 | 4,940 | | 14,443 | | | | | | | | | | | | |
| 1981 | 26,261 | 2,951 | 29,212 | 10,272 | 6,933 | | 17,205 | 3,133 | | | | 3,356 | | | | | | | |
| 1982 | 17,731 | 235 | 17,966 | 19,525 | 7,270 | | 26,795 | 785 | | | | 700 | 30 | | | | | | |
| 1983 | 26,226 | | 26,226 | 8,756 | 5,227 | | 13,983 | | | | | 1,000 | 100 | | | | | | |
| 1984 | 36,898 | 67 | 36,965 | 21,581 | 8,312 | | 29,893 | 4,000 | | | | 500 | 90 | 250 | | | | | |

CHINOOK SALMON ESCAPEMENT - FALL RUN Section 1

SACRAMENTO RIVER SYSTEM: Keswick Dam to Red Bluff Diversion Dam (RBDD)

| YEAR | Sacramento River Mainstem | | | Battle Creek 5/ | | | | Clear Ck | Spring Gulch | China Gulch | Olney Ck | Cottonwood | Paynes Ck | Cow Ck | Bear Ck | Ash Ck | Still-water | Inks Ck | Other 4/ |
|--------|---------------------------|-------------------|---------|-----------------|---------------|----------------|---------|----------|--------------|-------------|----------|------------|-----------|--------|---------|--------|-------------|---------|----------|
| | In-River 1/ | Trans. to CNFH 2/ | TOTAL | CNFH | Downstr. CNFH | Upstr. CNFH 3/ | TOTAL | | | | | | | | | | | | |
| 1985 | 52,120 | | 52,120 | 16,320 | 12,792 | 10,696 | 39,808 | 700 | | | | | | | | | | | |
| 1986 | 68,593 | 228 | 68,821 | 12,481 | 11,508 | 7,263 | 31,252 | | | | | | | | | | | | |
| 1987 | 76,562 | | 76,562 | 16,256 | 5,868 | 2,125 | 24,249 | | | | | | | | | | | | |
| 1988 | 63,998 | | 63,998 | 13,615 | 51,923 | 1,937 | 67,475 | 4,453 | | | | | | | | | | | |
| 1989 | 48,968 | | 48,968 | 11,986 | 18,829 | 233 | 31,048 | 2,153 | | | | | | | | | | | |
| 1990 | 32,109 | | 32,109 | 14,635 | 6,453 | | 21,088 | 1,011 | | | | | | | | | | | |
| 1991 | 20,523 | | 20,523 | 10,683 | 6,558 | | 17,241 | 2,026 | | | | 676 | | | | | | | |
| 1992 | 23,914 | | 23,914 | 7,275 | 5,433 | | 12,708 | 600 | | | | 1,585 | | | | | | | |
| 1993 | 33,471 | | 33,471 | 7,587 | 11,029 | | 18,616 | 1,246 | | | | | | | | | | | |
| 1994 | 44,729 | | 44,729 | 18,991 | 24,274 | | 43,265 | 2,546 | | | | | | | | | | | |
| 1995 | 53,385 | | 53,385 | 26,677 | 56,515 | | 83,192 | 9,298 | | | | | | | | | | | |
| 1996 | 71,725 | | 71,725 | 21,178 | 52,409 | | 73,587 | 5,922 | | | | | | | | | | | |
| 1997 | 98,765 | | 98,765 | 50,670 | 50,744 | | 101,414 | 8,569 | | | | | | | | | | | |
| 1998 | 5,718 | | 5,718 | 44,351 | 53,957 | | 98,308 | 4,259 | | | | | | | | | | | |
| 1999 | 133,365 | | 133,365 | 26,970 | 92,929 | | 119,899 | 8,003 | | | | | | | | | | | |
| 2000 | 87,793 | | 87,793 | 21,659 | 53,447 | 0 | 75,106 | 6,687 | | | | | | | | | | | |
| 2001 | 57,920 | | 57,920 | 24,698 | 100,604 | 0 | 125,302 | 10,865 | | | | | | | | | | | |
| 2002 | 45,552 | | 45,552 | 65,924 | 397,149 | 0 | 463,073 | 16,071 | | | | | | | | | | | |
| 2003 | 66,485 | | 66,485 | 88,234 | 64,764 | 0 | 152,998 | 9,475 | | | | | | | | | | | |
| 2004 | 34,050 | | 34,050 | 69,172 | 23,861 | 0 | 93,033 | 6,365 | | | | | | | | | | | |
| 2005 | 44,950 | | 44,950 | 142,673 | 20,520 | 0 | 163,193 | 14,824 | | | | | | | | | | | |
| 2006 | 46,568 | | 46,568 | 57,832 | 19,493 | 0 | 77,325 | 8,422 | | | | | | 4,209 | | | | | |
| 2007 | 14,097 | | 14,097 | 11,744 | 9,904 | 0 | 21,648 | 4,157 | | | | 1,250 | | 2,044 | 140 | | | | |
| [2008] | 23,134 | | 23,134 | 10,639 | 4,286 | 0 | 14,925 | 7,677 | | | | 510 | | 478 | 19 | | | | |
| [2009] | 5,311 | | 5,311 | 6,152 | 3,047 | 0 | 9,199 | 3,228 | | | | 1,055 | | 261 | 6 | | | | |
| [2010] | 13,824 | | 13,824 | 17,238 | 6,631 | 1 | 23,870 | 7,192 | | | | 1,137 | | 536 | | | | | |
| [2011] | 10,623 | | 10,623 | 42,383 | 12,513 | 0 | 54,896 | 4,841 | | | | 2,144 | | 1,810 | | | | | |

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY. BLANK ENTRY INDICATES NO DATA.

1/ For 1952-1955, the original data provided a total for the Sacramento mainstem. Data presented here is that total multiplied by the average % of the fall-run estimate above Red Bluff, from 1956-2007.

2/ Salmon from the mainstem population that were trapped at Keswick or Anderson-Cottonwood dams and transferred to Coleman National Fish Hatchery (CNFH)

3/ Salmon in Battle Creek upstream of the Hatchery

4/ The data source did not provide a breakdown of individual tributaries.

5/ In 2009 USFWS conducted a comprehensive analysis of Battle Creek coded wire tag data from 2000 - 2008 to estimate numbers of fall and late-fall Chinook returning to Battle Creek. Previously, a cutoff date of December 1st was used to assign run. This changed some Battle Creek estimates.

CHINOOK SALMON ESCAPEMENT - FALL RUN Section 2

SACRAMENTO RIVER SYSTEM: Red Bluff Diversion Dam (RBDD) to Princeton Ferry

| YEAR | Sacramento River Mainstem | | | TCFF | Salt Ck | Antelope Ck | Craig Ck | Dye Ck | Mill Ck | Toomes Ck | Thomes Ck | Deer Ck | Coyote Ck | Stoney Ck | Singer Ck | Big Chico | Other 3/ |
|------|---------------------------|-------------------|--------|-------|---------|-------------|----------|--------|---------|-----------|-----------|---------|-----------|-----------|-----------|-----------|----------|
| | In-River 1/ | Trans. to TCFF 2/ | TOTAL | | | | | | | | | | | | | | |
| 1952 | 56,284 | | 56,284 | | | | | | 16,000 | | | 12,000 | | | | | 3,000 |
| 1953 | 86,591 | | 86,591 | | | 4,000 | | | 10,000 | | | 4,000 | | | | | 700 |
| 1954 | 58,449 | | 58,449 | | | 1,000 | | | 7,000 | | | 3,000 | | | | | 2,000 |
| 1955 | 48,707 | | 48,707 | | | 900 | | | 3,000 | | | | | | | | 600 |
| 1956 | 5,800 | | 5,800 | | | 327 | | | 896 | 5 | | 120 | | | | | 1,500 |
| 1957 | 12,200 | | 12,200 | | | 838 | | 25 | 5,316 | | 25 | 2,195 | | | | 50 | 800 |
| 1958 | 20,600 | | 20,600 | | | 400 | | | 4,340 | | | 1,300 | | | | | 2,200 |
| 1959 | 9,900 | | 9,900 | | | | | | 837 | | | 10 | | | | | 1,500 |
| 1960 | 14,000 | | 14,000 | | | 250 | | | 940 | | | 800 | | | | | |
| 1961 | 9,400 | | 9,400 | | | | | | 1,689 | | | | | | | | |
| 1962 | 8,500 | | 8,500 | | | 800 | | | 4,384 | | | 2,000 | | | | | |
| 1963 | 6,800 | | 6,800 | | | 300 | | | 1,286 | | | 1,249 | | | | | |
| 1964 | 5,500 | | 5,500 | | | 50 | | | 450 | | | 100 | | | | | |
| 1965 | 1,500 | | 1,500 | | | 60 | | | 150 | | | 200 | | | | | |
| 1966 | 3,100 | | 3,100 | | | 200 | | | 500 | | | 100 | | | | | |
| 1967 | 9,200 | | 9,200 | | | 60 | | | 500 | | | 60 | | | | | |
| 1968 | 11,800 | | 11,800 | | | 80 | | | 750 | | | 270 | | | | | |
| 1969 | 17,600 | | 17,600 | | | 180 | | 20 | 1,700 | 40 | | 750 | | | | | |
| 1970 | 5,860 | | 5,860 | | | 400 | | | 690 | | | 500 | | | | | |
| 1971 | 22,920 | 4,741 | 27,661 | 295 | | 205 | | 100 | 980 | | | 248 | | | | | |
| 1972 | 15,350 | 1,671 | 17,021 | 110 | 30 | 275 | | 50 | 631 | 25 | | 304 | | | 15 | | |
| 1973 | 16,599 | 2,491 | 19,090 | 886 | 43 | 200 | 90 | 153 | 420 | 40 | | 676 | | | 90 | | |
| 1974 | 27,127 | 2,234 | 29,361 | 843 | | 440 | 140 | | 944 | | 60 | 640 | 100 | | | | |
| 1975 | 34,200 | 1,973 | 36,173 | 1,994 | | 90 | 270 | | 1,208 | | 170 | 328 | 160 | | | | |
| 1976 | 36,100 | 1,882 | 37,982 | 1,430 | | 60 | | | 245 | 20 | | 315 | 160 | | | | |
| 1977 | 44,074 | 3,146 | 47,220 | 1,669 | | 660 | | | 318 | 120 | | 220 | 200 | | | | |
| 1978 | 45,921 | 2,085 | 48,006 | 2,052 | | | | | 300 | | | 90 | | | | | |
| 1979 | 64,932 | 53 | 64,985 | 2,456 | | | | | 810 | | | 780 | | | | | |
| 1980 | 28,413 | 175 | 28,588 | 1,865 | | | | | 320 | | 151 | 210 | | | | | |
| 1981 | 40,340 | | 40,340 | 2,384 | | 407 | 100 | | 1,020 | | 167 | 820 | | 393 | | | |
| 1982 | 22,578 | | 22,578 | 1,225 | 20 | 162 | 90 | 25 | 1,290 | 15 | | 480 | | | | | |
| 1983 | 30,751 | | 30,751 | 1,267 | 15 | 60 | 60 | 20 | 200 | 15 | | 370 | | | | 500 | |
| 1984 | 17,960 | | 17,960 | 1,206 | 30 | 260 | 60 | 50 | 5,800 | 50 | | 680 | | | 20 | 200 | |

CHINOOK SALMON ESCAPEMENT - FALL RUN Section 2

SACRAMENTO RIVER SYSTEM: Red Bluff Diversion Dam (RBDD) to Princeton Ferry

| YEAR | Sacramento River Mainstem | | | TCFF | Salt Ck | Antelope Ck | Craig Ck | Dye Ck | Mill Ck | Toomes Ck | Thomes Ck | Deer Ck | Coyote Ck | Stoney Ck | Singer Ck | Big Chico | Other 3/ |
|--------|---------------------------|-------------------|--------|-------|---------|-------------|----------|--------|---------|-----------|-----------|---------|-----------|-----------|-----------|-----------|----------|
| | In-River 1/ | Trans. to TCFF 2/ | TOTAL | | | | | | | | | | | | | | |
| 1985 | 42,028 | | 42,028 | 4,752 | | | | | 3,840 | | | 900 | | | | 25 | |
| 1986 | 38,544 | | 38,544 | | | | | | 574 | | | 256 | | | | | |
| 1987 | 31,120 | | 31,120 | | | | | | 282 | | | 64 | | | | | |
| 1988 | 18,262 | | 18,262 | | | | | | 1,487 | | | | | | | | |
| 1989 | 10,101 | | 10,101 | | | | | | 1,565 | | | 358 | | | | | |
| 1990 | 16,175 | | 16,175 | | | | | | | | | | | | | | |
| 1991 | 10,108 | | 10,108 | | | | | | | | | | | | | | |
| 1992 | 8,315 | | 8,315 | | | 0 | | | 999 | | | | | | | | |
| 1993 | 12,760 | | 12,760 | | | | | | 1,975 | | | 72 | | | | | |
| 1994 | 13,817 | | 13,817 | | | | | | 1,081 | | | 307 | | | | | |
| 1995 | 10,549 | | 10,549 | | | | | | | | | | | | | | |
| 1996 | 12,361 | | 12,361 | | | | | | | | | | | | | | |
| 1997 | 20,531 | | 20,531 | | | | | | 478 | | | 1,203 | | | | | |
| 1998 | 600 | | 600 | | | | | | 546 | | | 270 | | | | | |
| 1999 | 27,827 | | 27,827 | | | | | | | | | | | | | | |
| 2000 | 8,895 | | 8,895 | | | | | | | | | | | | | | |
| 2001 | 17,376 | | 17,376 | | | | | | | | | | | | | | |
| 2002 | 20,138 | | 20,138 | | | | | | 2,611 | | | | | | | | |
| 2003 | 22,744 | | 22,744 | | | | | | 2,426 | | | | | | | | |
| 2004 | 9,554 | | 9,554 | | | | | | 1,192 | | | 300 | | | | | |
| 2005 | 12,062 | | 12,062 | | | | | | 2,426 | | | 963 | | | | | |
| 2006 | 8,900 | | 8,900 | | | | | | 1,403 | | | 1,905 | | | | | |
| 2007 | 2,964 | | 2,964 | | | | | | 851 | | | 563 | | | | | |
| [2008] | 1,609 | | 1,609 | | | | | | 166 | | | 194 | | | | | |
| [2009] | 516 | | 516 | | | | | | 102 | | | 58 | | | | | |
| [2010] | 2,548 | | 2,548 | | | | | | 144 | | | 166 | | | | | |
| [2011] | 1,334 | | 1,334 | | | | | | 1,231 | | | 662 | | | | | |

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY. BLANK ENTRY INDICATES NO DATA

1/ For 1952-1955, the original data source only provided a total estimate for the entire Sacramento mainstem, above and below Red Bluff combined. The data presented here is that total estimate multiplied by the average % of the fall-run estimate below Red Bluff, from 1956-2007.

2/ Salmon from the mainstem population that were trapped at Red Bluff Diversion Dam (RBDD) and transferred to Tehama-Colusa Fish Facility (TCFF)

3/ The data source did not provide a breakdown of individual tributaries. NOTE: The number of fish listed may include those for tributaries from Keswick Dam to RBDD.

CHINOOK SALMON ESCAPEMENT - FALL RUN Section 3

SACRAMENTO RIVER SYSTEM: Princeton Ferry to Sacramento

| YEAR | Feather River | | | | American River | | | | | | |
|------|---------------|----------|-------------|--------|----------------|------------|--------|-----------------|-------------|--------|---------------|
| | Butte Ck | Hatchery | In-River 1/ | TOTAL | Yuba River | Bear River | Dry Ck | Nimbus Hatchery | In-River 2/ | TOTAL | Natomas Drain |
| 1952 | | | | | | | | | 25,000 | 25,000 | |
| 1953 | | | 28,000 | 28,000 | 6,000 | | | | 28,000 | 28,000 | |
| 1954 | | | 68,000 | 68,000 | 5,000 | | | | 29,000 | 29,000 | |
| 1955 | | | 86,000 | 86,000 | 2,000 | | | 8,000 | 9,000 | 17,000 | |
| 1956 | | | 18,200 | 18,200 | 5,000 | | | 1,537 | 4,900 | 6,437 | |
| 1957 | | | 10,750 | 10,750 | 1,205 | | | 875 | 6,832 | 7,707 | |
| 1958 | | | 34,650 | 34,650 | 7,900 | | | 9,571 | 17,300 | 26,871 | |
| 1959 | | | 80,150 | 80,150 | 10,000 | | | 13,243 | 17,900 | 31,143 | |
| 1960 | | | 83,300 | 83,300 | 20,400 | | | 29,166 | 25,200 | 54,366 | |
| 1961 | | | 43,700 | 43,700 | 9,200 | | | 14,309 | 11,200 | 25,509 | |
| 1962 | | | 19,050 | 19,050 | 34,300 | | | 12,653 | 14,400 | 27,053 | |
| 1963 | | | 33,900 | 33,900 | 37,000 | | | 3,211 | 37,810 | 41,021 | 460 |
| 1964 | | 5,952 | 32,400 | 38,352 | 34,900 | | | 20,671 | 38,500 | 59,171 | 1,000 |
| 1965 | 0 | 3,635 | 19,600 | 23,235 | 10,200 | | | 13,569 | 25,000 | 38,569 | 200 |
| 1966 | 0 | 1,850 | 19,000 | 20,850 | 7,800 | | | 8,096 | 18,600 | 26,696 | |
| 1967 | | 1,856 | 10,100 | 11,956 | 23,500 | | | 5,147 | 18,000 | 23,147 | |
| 1968 | | 5,944 | 12,200 | 18,144 | 7,000 | | | 5,233 | 26,100 | 31,333 | 100 |
| 1969 | | 4,378 | 56,200 | 60,578 | 5,230 | | | 3,065 | 44,200 | 47,265 | |
| 1970 | | 3,355 | 58,170 | 61,525 | 13,830 | | | 8,629 | 28,680 | 37,309 | |
| 1971 | 615 | 3,541 | 43,500 | 47,041 | 5,650 | | | 10,110 | 41,680 | 51,790 | |
| 1972 | 450 | 3,635 | 43,200 | 46,835 | 9,258 | | | 7,042 | 17,459 | 24,501 | |
| 1973 | | 8,477 | 65,100 | 73,577 | 24,119 | | | 12,535 | 82,242 | 94,777 | |
| 1974 | 200 | 5,248 | 60,518 | 65,766 | 17,809 | | | 8,200 | 53,596 | 61,796 | |
| 1975 | 1,000 | 5,265 | 37,735 | 43,000 | 5,641 | | | 7,412 | 32,132 | 39,544 | |
| 1976 | 640 | 5,198 | 56,802 | 62,000 | 3,779 | | | 5,215 | 23,159 | 28,374 | |
| 1977 | | 8,784 | 37,668 | 46,452 | 8,722 | | | 6,868 | 41,605 | 48,473 | |
| 1978 | 20 | 4,759 | 33,000 | 37,759 | 7,416 | | | 8,162 | 12,929 | 21,091 | |
| 1979 | | 4,090 | 28,415 | 32,505 | 12,430 | | | 10,351 | 37,315 | 47,666 | |
| 1980 | | 3,690 | 31,605 | 35,295 | 12,406 | | | 15,543 | 34,259 | 49,802 | |
| 1981 | | 8,282 | 44,738 | 53,020 | 14,025 | | | 20,593 | 43,462 | 64,055 | |
| 1982 | | 7,563 | 47,956 | 55,519 | 39,367 | | | 10,898 | 33,000 | 43,898 | |
| 1983 | 1,000 | 7,699 | 22,823 | 30,522 | 13,756 | | 500 | 8,900 | 26,400 | 35,300 | |
| 1984 | | 9,288 | 41,769 | 51,057 | 9,665 | 300 | | 12,249 | 27,447 | 39,696 | |

CHINOOK SALMON ESCAPEMENT - FALL RUN Section 3**SACRAMENTO RIVER SYSTEM: Princeton Ferry to Sacramento**

| YEAR | Feather River | | | | | | | American River | | | Natomas Drain |
|--------|---------------|----------|-------------|---------|------------|------------|--------|-----------------|-------------|---------|---------------|
| | Butte Ck | Hatchery | In-River 1/ | TOTAL | Yuba River | Bear River | Dry Ck | Nimbus Hatchery | In-River 2/ | TOTAL | |
| 1985 | 100 | 5,811 | 50,191 | 56,002 | 13,042 | | 25 | 9,093 | 56,120 | 65,213 | |
| 1986 | | 8,628 | 46,843 | 55,471 | 19,328 | | | 5,695 | 49,372 | 55,067 | |
| 1987 | | 10,108 | 67,738 | 77,846 | 18,518 | | | 6,258 | 39,885 | 46,143 | |
| 1988 | | 6,480 | 42,556 | 49,036 | 9,000 | | | 8,625 | 24,889 | 33,514 | |
| 1989 | | 7,578 | 40,541 | 48,119 | 7,622 | | | 9,741 | 19,183 | 28,924 | |
| 1990 | | 6,126 | | 6,126 | | | | 4,850 | 5,339 | 10,189 | |
| 1991 | | 10,717 | 31,345 | 42,062 | 14,008 | | | 7,128 | 17,683 | 24,811 | |
| 1992 | | 16,440 | 24,105 | 40,545 | 6,362 | | | 6,456 | 5,911 | 12,367 | |
| 1993 | | 11,991 | 30,923 | 42,914 | 6,703 | | | 10,656 | 31,027 | 41,683 | |
| 1994 | | 15,202 | 38,382 | 53,584 | 10,890 | | | 8,567 | 33,598 | 42,165 | |
| 1995 | 445 | 12,149 | 59,912 | 72,061 | 14,237 | | | 6,498 | 70,618 | 77,116 | |
| 1996 | 500 | 8,107 | 57,170 | 65,277 | 27,900 | | | 7,651 | 69,745 | 77,396 | |
| 1997 | 800 | 15,128 | 50,547 | 65,675 | 25,948 | | | 5,650 | 47,195 | 52,845 | |
| 1998 | 500 | 18,889 | | 18,889 | 31,090 | | | 11,788 | 50,457 | 62,245 | |
| 1999 | | 12,927 | | 12,927 | 24,230 | | | 9,760 | 55,339 | 65,099 | |
| 2000 | | 18,146 | 114,717 | 132,863 | 14,995 | | | 11,160 | 100,852 | 112,012 | |
| 2001 | 4,433 | 24,870 | 178,645 | 203,515 | 23,392 | | | 11,750 | 135,384 | 147,134 | |
| 2002 | 3,665 | 20,507 | 105,163 | 125,670 | 24,051 | | | 9,817 | 124,252 | 134,069 | |
| 2003 | 3,492 | 14,976 | 89,946 | 104,922 | 28,316 | | | 14,887 | 163,742 | 178,629 | |
| 2004 | 2,516 | 21,297 | 54,171 | 75,468 | 15,269 | | | 26,400 | 99,230 | 125,630 | |
| 2005 | 4,255 | 22,405 | 49,160 | 71,565 | 17,630 | | | 22,349 | 62,679 | 85,028 | |
| 2006 | 1,920 | 14,034 | 76,414 | 90,448 | 8,121 | | | 8,728 | 24,540 | 33,268 | |
| 2007 | 1,225 | 6,170 | 21,909 | 28,079 | 2,604 | | | 4,597 | 10,120 | 14,717 | |
| [2008] | 275 | 5,082 | 5,939 | 11,021 | 3,508 | | | 3,184 | 2,514 | 5,698 | |
| [2009] | 306 | 9,963 | 4,847 | 14,810 | 4,635 | | | 4,789 | 5,297 | 10,086 | |
| [2010] | 370 | 19,973 | 44,914 | 64,887 | 14,375 | | | 9,095 | 14,688 | 23,783 | |
| [2011] | 416 | 32,616 | 47,289 | 79,905 | 8,928 | | | 12,680 | 25,626 | 38,306 | |

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY. BLANK ENTRY INDICATES NO DATA

1/ Feather River Survey does not provide separate estimates for fall and spring escapement. Spring-run estimates are included with fall-run estimates.

2/ In 2009 DFG conducted a reanalysis of historic American River Fall data from 1990 - 2008 to consistently include fish taken at Nimbus Racks and exclude angler estimates.

CHINOOK SALMON ESCAPEMENT - FALL RUN Section 4

SAN JOAQUIN RIVER SYSTEM: Tributaries

| YEAR | Mokelumne River | | | | | | Merced River | | |
|------|-----------------|--------------------|----------|--------|------------------|----------------|--------------|----------|--------|
| | Cosumnes River | Mokelumne Hatchery | In-River | TOTAL | Stanislaus River | Tuolumne River | MRFF 1/ | In-River | TOTAL |
| 1952 | | | 2,000 | 2,000 | 10,000 | 10,000 | | | |
| 1953 | 2,000 | | 2,000 | 2,000 | 35,000 | 45,000 | | | |
| 1954 | 5,000 | | 4,000 | 4,000 | 22,000 | 40,000 | | 4,000 | 4,000 |
| 1955 | 2,000 | | 2,000 | 2,000 | 7,000 | 20,000 | | | |
| 1956 | 1,200 | | 474 | 474 | 5,000 | 5,500 | | | |
| 1957 | 142 | | 2,400 | 2,400 | 4,090 | 8,170 | | 380 | 380 |
| 1958 | 600 | | 7,579 | 7,579 | 5,700 | 32,500 | | 500 | 500 |
| 1959 | | | 2,106 | 2,106 | 4,300 | 45,900 | | 400 | 400 |
| 1960 | 1,400 | | 2,205 | 2,205 | 8,300 | 45,000 | | 350 | 350 |
| 1961 | | | 137 | 137 | 1,900 | 500 | | 50 | 50 |
| 1962 | 900 | | 230 | 230 | 315 | 250 | | 60 | 60 |
| 1963 | 1,500 | | 481 | 481 | 200 | 100 | | 20 | 20 |
| 1964 | 2,200 | 362 | 1,848 | 2,210 | 3,700 | 2,100 | | 35 | 35 |
| 1965 | 800 | 173 | 1,127 | 1,300 | 2,231 | 3,200 | | 90 | 90 |
| 1966 | 600 | 480 | 209 | 689 | 2,872 | 5,100 | | 45 | 45 |
| 1967 | 500 | 250 | 2,750 | 3,000 | 11,885 | 6,800 | | 600 | 600 |
| 1968 | 1,500 | 954 | 753 | 1,707 | 6,385 | 8,600 | | 550 | 550 |
| 1969 | 4,400 | 615 | 2,070 | 2,685 | 12,327 | 32,200 | | 600 | 600 |
| 1970 | 600 | 548 | 4,452 | 5,000 | 9,297 | 18,400 | 100 | 4,700 | 4,800 |
| 1971 | 500 | 925 | 4,275 | 5,200 | 13,621 | 21,885 | 200 | 3,451 | 3,651 |
| 1972 | 1,600 | 352 | 750 | 1,102 | 4,298 | 5,100 | 120 | 2,528 | 2,648 |
| 1973 | 900 | 407 | 2,193 | 2,600 | 1,234 | 1,989 | 375 | 797 | 1,172 |
| 1974 | 285 | 222 | 1,200 | 1,422 | 750 | 1,150 | 1,000 | 1,000 | 2,000 |
| 1975 | 725 | 399 | 1,501 | 1,900 | 1,200 | 1,600 | 700 | 1,700 | 2,400 |
| 1976 | | 18 | 455 | 473 | 600 | 1,700 | 700 | 1,200 | 1,900 |
| 1977 | | 0 | 250 | 250 | 0 | 450 | 661 | 350 | 1,011 |
| 1978 | 100 | 486 | 600 | 1,086 | 50 | 1,300 | 100 | 525 | 625 |
| 1979 | 150 | 507 | 1,000 | 1,507 | 110 | 1,183 | 227 | 1,920 | 2,147 |
| 1980 | 200 | 639 | 2,592 | 3,231 | 100 | 559 | 157 | 2,849 | 3,006 |
| 1981 | | | 4,954 | 4,954 | 1,000 | 14,253 | 924 | 9,491 | 10,415 |
| 1982 | | 2,677 | 6,695 | 9,372 | | 7,126 | 189 | 3,074 | 3,263 |
| 1983 | 200 | 4,568 | 11,293 | 15,861 | 500 | 14,836 | 1,795 | 16,453 | 18,248 |
| 1984 | 1,000 | | 8,298 | 8,298 | 11,439 | 13,689 | 2,109 | 27,640 | 29,749 |

CHINOOK SALMON ESCAPEMENT - FALL RUN Section 4**SAN JOAQUIN RIVER SYSTEM: Tributaries**

| YEAR | Mokelumne River | | | | | | Merced River | | |
|--------|-----------------|--------------------|----------|--------|------------------|----------------|--------------|----------|--------|
| | Cosumnes River | Mokelumne Hatchery | In-River | TOTAL | Stanislaus River | Tuolumne River | MRFF 1/ | In-River | TOTAL |
| 1985 | 220 | 223 | 7,459 | 7,682 | 13,473 | 40,322 | 1,211 | 14,841 | 16,052 |
| 1986 | | 1,913 | 5,254 | 7,167 | 6,497 | 7,404 | 650 | 6,789 | 7,439 |
| 1987 | 0 | 630 | 1,000 | 1,630 | 6,292 | 14,751 | 958 | 3,168 | 4,126 |
| 1988 | 100 | 128 | 400 | 528 | 10,212 | 5,779 | 457 | 4,135 | 4,592 |
| 1989 | | 81 | 199 | 280 | 1,510 | 1,275 | 82 | 345 | 427 |
| 1990 | | 68 | 429 | 497 | 480 | 96 | 46 | 36 | 82 |
| 1991 | | 42 | 368 | 410 | 394 | 77 | 41 | 78 | 119 |
| 1992 | | 710 | 935 | 1,645 | 255 | 132 | 368 | 618 | 986 |
| 1993 | | 2,164 | 993 | 3,157 | 677 | 471 | 409 | 1,269 | 1,678 |
| 1994 | | 1,919 | 1,238 | 3,157 | 1,031 | 506 | 943 | 2,646 | 3,589 |
| 1995 | | 3,323 | 2,194 | 5,517 | 619 | 827 | 602 | 2,320 | 2,922 |
| 1996 | | 3,883 | 4,038 | 7,921 | 168 | 4,362 | 1,141 | 3,291 | 4,432 |
| 1997 | | 6,494 | 3,681 | 10,175 | 5,588 | 7,146 | 946 | 2,714 | 3,660 |
| 1998 | 300 | 3,091 | 4,122 | 7,213 | 3,087 | 8,910 | 799 | 3,292 | 4,091 |
| 1999 | 229 | 3,150 | 2,183 | 5,333 | 4,349 | 8,232 | 1,637 | 3,129 | 4,766 |
| 2000 | 460 | 5,450 | 1,973 | 7,423 | 8,498 | 17,873 | 1,946 | 11,130 | 13,076 |
| 2001 | | 5,728 | 2,307 | 8,035 | 7,033 | 8,782 | 1,663 | 9,181 | 10,844 |
| 2002 | 1,350 | 7,913 | 2,840 | 10,753 | 7,787 | 7,173 | 1,840 | 8,866 | 10,706 |
| 2003 | 122 | 8,117 | 2,122 | 10,239 | 5,902 | 2,163 | 549 | 2,530 | 3,079 |
| 2004 | 1,208 | 10,356 | 1,588 | 11,944 | 4,015 | 1,984 | 1,050 | 3,270 | 4,320 |
| 2005 | 370 | 5,563 | 10,406 | 15,969 | 1,427 | 668 | 421 | 1,942 | 2,363 |
| 2006 | 530 | 4,139 | 1,732 | 5,871 | 1,923 | 562 | 150 | 1,429 | 1,579 |
| 2007 | 77 | 1,051 | 470 | 1,521 | 443 | 224 | 79 | 485 | 564 |
| [2008] | 15 | 239 | 173 | 412 | 1,392 | 372 | 76 | 389 | 465 |
| [2009] | 0 | 1,553 | 680 | 2,233 | 595 | 124 | 246 | 358 | 604 |
| [2010] | 740 | 5,275 | 1,920 | 7,195 | 1,086 | 540 | 146 | 651 | 797 |
| [2011] | 53 | 15,922 | 2,674 | 18,596 | 1,309 | 893 | 371 | 1,571 | 1,942 |

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY. BLANK ENTRY INDICATES NO DATA

1/ Merced River Fish Facility. Fish were trapped in San Joaquin mainstem in 1977. Only 389 of these were transported to the hatchery spawning channel.