

**California Central Valley Chinook Escapement Database Report****California Department of Fish and Wildlife, Fisheries Branch****California Central Valley, Sacramento and San Joaquin River Systems****Chinook Salmon Escapement, Hatcheries and Natural Areas**

The Sacramento-San Joaquin River system in California's Central Valley is the principal producer of Chinook Salmon (*Oncorhynchus tshawytscha*) caught in California's ocean fisheries and contributes appreciably to Chinook Salmon harvest off the coasts of Oregon and Washington. This system also supports one of the largest river sport fisheries for Chinook Salmon on the Pacific Coast in the Sacramento River.

Chinook Salmon in the Central Valley are comprised of four runs (late-fall, winter, spring, and fall) named for the season when most of the run enters freshwater as adults. Late-fall run arrive in the upper Sacramento River and its tributaries in September through February and spawn from December through mid-April. Winter-run spawns almost entirely in the upper Sacramento River and its tributaries upstream of Red Bluff, arriving as early as December, and spawning from April through August. Spring-run salmon return from the ocean in late January through August; early arrivals oversummer in stream holding pools and spawn from mid-August through October. Fall run salmon return from the ocean from June through November and spawn from early October through January.

California Department of Fish and Wildlife (CDFW) and partners conduct escapement surveys for Central Valley Chinook Salmon annually. The surveys cover the major natural spawning areas, and many minor ones, throughout the Sacramento-San Joaquin River system. Estimates are made using a variety of methods, depending upon the setting, conditions, and resources for making the most accurate estimate. Methods include mark-recapture carcass surveys, video counts at dams and in small tributaries, direct observation counts both on-ground and by snorkeling, and expanded redd counts conducted from the ground and the air. Counts are also made at all five anadromous hatcheries and rearing facilities in the Central Valley. Partners providing estimates and counts include CDFW, U.S. Fish and Wildlife Service, Pacific States Marine Fisheries Commission, California Department of Water Resources, East Bay Municipal Utilities District, Lower Yuba River Management Team, and the Fishery Foundation of California.

CDFW compiles annual escapement estimates and counts in the GrandTab database report. GrandTab includes estimates for all four Central Valley runs of Chinook Salmon. The estimates are organized by major basin (Sacramento and San Joaquin) and then sub-basin (tributary streams and rivers) with natural spawning areas and hatcheries represented. The numbers for each run are also totaled by major basin and for the Central Valley as a whole.

Estimates of escapement in GrandTab represent the number of adult Chinook Salmon that escaped the ocean and successfully migrated upstream to a natural spawning area or hatchery. While escapement estimates represent the number of adult salmon available for spawning, these numbers may not represent the number of salmon that succeed in spawning. Pre-spawning mortality can result in a notable difference in the escapement estimate and actual spawners. While pre-spawning mortality occurs in all runs to varying degrees and is often a small proportion of the total escapement, adverse conditions may exacerbate levels of pre-spawning mortality.

Central Valley spring-run Chinook Salmon are particularly susceptible to high levels of pre-spawning mortality, especially under drought conditions, because of their protracted summer holding period in natural spawning areas prior to spawning during late summer-early fall. As a result, the escapement estimates in GrandTab may not represent the number of adult salmon that actually spawned in each stream or river. This may be an important consideration when using GrandTab data for investigating Central Valley Chinook Salmon stock-recruitment relationships, for developing production models, or for assessing spawning habitat quality. Where available, spawner estimates are shown alongside escapement estimates for spring run. These are shown for comparison, and are not included in totals, as they are a subset of escapement. When uncertain, users of GrandTab data are advised to consult the full escapement report for a given escapement estimate.

Thanks to Dick Painter and Bob Kano (CDFW retired) for designing and maintaining GrandTab in its earlier forms. Thanks to Dr. Rob Titus and Tracy Grimes (CDFW) for writing and editing the introduction. Thanks to the cooperating partners that provide escapement estimates and counts in support of GrandTab.

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GrandTab is currently available for download here: <https://www.wildlife.ca.gov/Conservation/Fishes/Chinook-Salmon/Anadromous-Assessment>  
<http://www.calfish.org/ProgramsData/Species/CDFWAnadromousResourceAssessment.aspx>

**CHINOOK SALMON ESCAPEMENT - ALL RUNS**

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| LATE-FALL           |            |          |        |
|---------------------|------------|----------|--------|
| YEAR                | Hatcheries | In-River | TOTAL  |
| Nov 1951 - Apr 1952 |            |          |        |
| Nov 1952 - Apr 1953 |            |          |        |
| Nov 1953 - Apr 1954 |            |          |        |
| Nov 1954 - Apr 1955 |            |          |        |
| Nov 1955 - Apr 1956 |            |          |        |
| Nov 1956 - Apr 1957 |            |          |        |
| Nov 1957 - Apr 1958 |            |          |        |
| Nov 1958 - Apr 1959 |            |          |        |
| 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 |

| WINTER              |        |        |
|---------------------|--------|--------|
| YEAR                | TOTAL  | RBDD   |
| Dec 1951 - Aug 1952 |        |        |
| Dec 1952 - Aug 1953 |        |        |
| Dec 1953 - Aug 1954 |        |        |
| Dec 1954 - Aug 1955 |        |        |
| Dec 1955 - Aug 1956 |        |        |
| Dec 1956 - Aug 1957 |        |        |
| Dec 1957 - Aug 1958 |        |        |
| Dec 1958 - Aug 1959 |        |        |
| Dec 1959 - Aug 1960 |        |        |
| Dec 1960 - Aug 1961 |        |        |
| Dec 1961 - Aug 1962 |        |        |
| Dec 1962 - Aug 1963 |        |        |
| Dec 1963 - Aug 1964 |        |        |
| Dec 1964 - Aug 1965 |        |        |
| Dec 1965 - Aug 1966 |        |        |
| Dec 1966 - Aug 1967 |        |        |
| Dec 1967 - Aug 1968 |        |        |
| Dec 1968 - Aug 1969 |        |        |
| Dec 1969 - Aug 1970 | 40,409 | 40,409 |
| Dec 1970 - Aug 1971 | 53,089 | 53,089 |
| Dec 1971 - Aug 1972 | 37,133 | 37,133 |
| Dec 1972 - Aug 1973 | 24,079 | 24,079 |
| Dec 1973 - Aug 1974 | 21,897 | 21,897 |
| Dec 1974 - Aug 1975 | 23,930 | 23,430 |
| Dec 1975 - Aug 1976 | 35,596 | 35,096 |
| Dec 1976 - Aug 1977 | 17,214 | 17,214 |
| Dec 1977 - Aug 1978 | 25,012 | 24,862 |
| Dec 1978 - Aug 1979 | 2,364  | 2,364  |
| Dec 1979 - Aug 1980 | 1,156  | 1,156  |
| Dec 1980 - Aug 1981 | 22,797 | 20,041 |
| Dec 1981 - Aug 1982 | 1,281  | 1,242  |
| Dec 1982 - Aug 1983 | 1,831  | 1,831  |

| YEAR | SPRING     |          |        | FALL       |          |         |
|------|------------|----------|--------|------------|----------|---------|
|      | Hatcheries | In-River | TOTAL  | Hatcheries | In-River | TOTAL   |
| 1952 |            |          |        | 11,000     | 349,000  | 360,000 |
| 1953 |            |          |        | 12,000     | 585,000  | 597,000 |
| 1954 |            |          |        | 8,000      | 479,000  | 487,000 |
| 1955 |            |          |        | 18,000     | 382,300  | 400,300 |
| 1956 |            |          |        | 8,995      | 157,779  | 166,774 |
| 1957 |            |          |        | 3,920      | 114,260  | 118,180 |
| 1958 |            |          |        | 24,214     | 263,252  | 287,466 |
| 1959 |            |          |        | 24,076     | 454,823  | 478,899 |
| 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        | 12,445   | 12,630 | 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 |

**CHINOOK SALMON ESCAPEMENT - ALL RUNS**

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| LATE-FALL             |            |          |               |
|-----------------------|------------|----------|---------------|
| YEAR                  | Hatcheries | In-River | TOTAL         |
| Nov 1983 - Apr 1984   |            | 10,388   | <b>10,388</b> |
| Nov 1984 - Apr 1985   | 181        | 9,999    | <b>10,180</b> |
| Nov 1985 - Apr 1986   | 197        | 8,104    | <b>8,301</b>  |
| Nov 1986 - Apr 1987   | 349        | 16,222   | <b>16,571</b> |
| Nov 1987 - Apr 1988   | 53         | 13,165   | <b>13,218</b> |
| Nov 1988 - Apr 1989   | 65         | 12,807   | <b>12,872</b> |
| Nov 1989 - Apr 1990   | 92         | 7,986    | <b>8,078</b>  |
| Nov 1990 - Apr 1991   | 161        | 8,102    | <b>8,263</b>  |
| Nov 1991 - Apr 1992   | 344        | 9,787    | <b>10,131</b> |
| Nov 1992 - Apr 1993   | 528        | 739      | <b>1,267</b>  |
| Nov 1993 - Apr 1994   | 598        | 291      | <b>889</b>    |
| Nov 1994 - Apr 1995   | 323        | 166      | <b>489</b>    |
| Nov 1995 - Apr 1996   | 1,337      | 48       | <b>1,385</b>  |
| Nov 1996 - Apr 1997   | 4,578      |          | <b>4,578</b>  |
| Nov 1997 - Apr 1998   | 3,079      | 39,340   | <b>42,419</b> |
| Nov 1998 - Apr 1999   | 7,075      | 8,683    | <b>15,758</b> |
| Nov 1999 - Apr 2000   | 4,181      | 8,702    | <b>12,883</b> |
| Nov 2000 - Apr 2001   | 2,439      | 19,374   | <b>21,813</b> |
| Nov 2001 - Apr 2002   | 4,186      | 36,220   | <b>40,406</b> |
| Nov 2002 - Apr 2003   | 3,183      | 5,699    | <b>8,882</b>  |
| Nov 2003 - Apr 2004   | 5,166      | 8,984    | <b>14,150</b> |
| Nov 2004 - Apr 2005   | 5,562      | 10,720   | <b>16,282</b> |
| Nov 2005 - Apr 2006   | 4,822      | 10,267   | <b>15,089</b> |
| Nov 2006 - Apr 2007   | 3,361      | 15,482   | <b>18,843</b> |
| Nov 2007 - Apr 2008   | 6,334      | 4,038    | <b>10,372</b> |
| [Nov 2008 - Apr 2009] | 6,436      | 3,760    | <b>10,196</b> |
| [Nov 2009 - Apr 2010] | 5,505      | 4,483    | <b>9,988</b>  |
| [Nov 2010 - Apr 2011] | 4,637      | 3,811    | <b>8,448</b>  |
| [Nov 2011 - Apr 2012] | 3,048      | 2,938    | <b>5,986</b>  |
| [Nov 2012 - Apr 2013] | 3,615      | 5,389    | <b>9,004</b>  |
| [Nov 2013 - Apr 2014] | 4,869      | 8,181    | <b>13,050</b> |
| [Nov 2014 - Apr 2015] | 6,827      | 2,583    | <b>9,410</b>  |

| WINTER                |        |       |
|-----------------------|--------|-------|
| YEAR                  | TOTAL  | RBDD  |
| Dec 1983 - Aug 1984   | 2,763  | 2,663 |
| Dec 1984 - Aug 1985   | 5,407  | 3,962 |
| Dec 1985 - Aug 1986   | 2,596  | 2,596 |
| Dec 1986 - Aug 1987   | 2,185  | 2,088 |
| Dec 1987 - Aug 1988   | 2,878  | 2,150 |
| Dec 1988 - Aug 1989   | 696    | 682   |
| Dec 1989 - Aug 1990   | 430    | 402   |
| Dec 1990 - Aug 1991   | 211    | 211   |
| Dec 1991 - Aug 1992   | 1,240  | 1,196 |
| Dec 1992 - Aug 1993   | 387    | 378   |
| Dec 1993 - Aug 1994   | 186    | 186   |
| Dec 1994 - Aug 1995   | 1,297  | 1,290 |
| Dec 1995 - Aug 1996   | 1,337  | 1,337 |
| Dec 1996 - Aug 1997   | 880    | 880   |
| Dec 1997 - Aug 1998   | 2,992  | 2,930 |
| Dec 1998 - Aug 1999   | 3,288  | 3,288 |
| Dec 1999 - Aug 2000   | 1,352  | 1,352 |
| Dec 2000 - Aug 2001   | 8,224  | 5,499 |
| Dec 2001 - Aug 2002   | 7,441  | 9,157 |
| Dec 2002 - Aug 2003   | 8,218  | 9,724 |
| Dec 2003 - Aug 2004   | 7,869  | 7,192 |
| Dec 2004 - Aug 2005   | 15,839 | 5,299 |
| Dec 2005 - Aug 2006   | 17,296 | 7,415 |
| Dec 2006 - Aug 2007   | 2,541  | 6,144 |
| Dec 2007 - Aug 2008   | 2,830  | 3,635 |
| [Dec 2008 - Aug 2009] | 4,537  |       |
| [Dec 2009 - Aug 2010] | 1,596  |       |
| [Dec 2010 - Aug 2011] | 827    |       |
| [Dec 2011 - Aug 2012] | 2,671  |       |
| [Dec 2012 - Aug 2013] | 6,086  |       |
| [Dec 2013 - Aug 2014] | 3,015  |       |
| [Dec 2014 - Aug 2015] | 3,440  |       |

| YEAR   | SPRING     |          |               | FALL       |          |                |
|--------|------------|----------|---------------|------------|----------|----------------|
|        | Hatcheries | In-River | TOTAL         | Hatcheries | In-River | TOTAL          |
| 1984   | 1,562      | 8,037    | <b>9,599</b>  | 46,433     | 216,474  | <b>262,907</b> |
| 1985   | 1,632      | 13,589   | <b>15,221</b> | 37,410     | 318,894  | <b>356,304</b> |
| 1986   | 1,433      | 24,263   | <b>25,696</b> | 29,367     | 268,453  | <b>297,820</b> |
| 1987   | 1,213      | 12,675   | <b>13,888</b> | 34,210     | 267,373  | <b>301,583</b> |
| 1988   | 6,833      | 12,100   | <b>18,933</b> | 29,305     | 239,131  | <b>268,436</b> |
| 1989   | 5,078      | 7,085    | <b>12,163</b> | 29,468     | 152,882  | <b>182,350</b> |
| 1990   | 1,893      | 5,790    | <b>7,683</b>  | 25,725     | 62,128   | <b>87,853</b>  |
| 1991   | 4,303      | 1,623    | <b>5,926</b>  | 28,611     | 103,844  | <b>132,455</b> |
| 1992   | 1,497      | 1,547    | <b>3,044</b>  | 31,249     | 79,164   | <b>110,413</b> |
| 1993   | 4,672      | 1,404    | <b>6,076</b>  | 32,807     | 132,616  | <b>165,423</b> |
| 1994   | 3,641      | 2,546    | <b>6,187</b>  | 45,622     | 175,045  | <b>220,667</b> |
| 1995   | 5,414      | 9,824    | <b>15,238</b> | 49,249     | 280,919  | <b>330,168</b> |
| 1996   | 6,381      | 2,702    | <b>9,083</b>  | 41,960     | 309,591  | <b>351,551</b> |
| 1997   | 3,653      | 1,540    | <b>5,193</b>  | 78,888     | 323,909  | <b>402,797</b> |
| 1998   | 6,746      | 24,903   | <b>31,649</b> | 78,918     | 167,108  | <b>246,026</b> |
| 1999   | 3,731      | 6,369    | <b>10,100</b> | 54,444     | 359,815  | <b>414,259</b> |
| 2000   | 3,657      | 5,587    | <b>9,244</b>  | 58,361     | 427,320  | <b>485,681</b> |
| 2001   | 4,135      | 22,528   | <b>26,663</b> | 68,709     | 555,922  | <b>624,631</b> |
| 2002   | 4,189      | 20,854   | <b>25,043</b> | 106,001    | 766,668  | <b>872,669</b> |
| 2003   | 8,662      | 22,035   | <b>30,697</b> | 126,763    | 464,229  | <b>590,992</b> |
| 2004   | 4,212      | 12,938   | <b>17,150</b> | 128,275    | 258,573  | <b>386,848</b> |
| 2005   | 1,774      | 21,319   | <b>23,093</b> | 193,411    | 244,282  | <b>437,693</b> |
| 2006   | 2,181      | 10,725   | <b>12,906</b> | 84,883     | 208,071  | <b>292,954</b> |
| 2007   | 1,916      | 9,228    | <b>11,144</b> | 23,641     | 73,527   | <b>97,168</b>  |
| 2008   | 1,460      | 11,927   | <b>13,387</b> | 19,100     | 52,191   | <b>71,291</b>  |
| [2009] | 989        | 3,457    | <b>4,446</b>  | 22,703     | 30,340   | <b>53,043</b>  |
| [2010] | 1,661      | 2,964    | <b>4,625</b>  | 51,726     | 111,464  | <b>163,190</b> |
| [2011] | 1,969      | 5,807    | <b>7,776</b>  | 103,681    | 123,553  | <b>227,234</b> |
| [2012] | 3,738      | 18,688   | <b>22,426</b> | 143,326    | 197,493  | <b>340,819</b> |
| [2013] | 4,294      | 19,516   | <b>23,810</b> | 112,998    | 335,023  | <b>448,021</b> |
| [2014] | 2,776      | 7,133    | <b>9,909</b>  | 60,667     | 194,970  | <b>255,637</b> |
| [2015] | 3,386      | 1,609    | <b>4,995</b>  | 55,853     | 99,135   | <b>154,988</b> |

CHINOOK SALMON ESCAPEMENT - ALL RUNS

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| LATE-FALL             |            |          |        |
|-----------------------|------------|----------|--------|
| YEAR                  | Hatcheries | In-River | TOTAL  |
| [Nov 2015 - Apr 2016] | 2,351      | 3,262    | 5,613  |
| [Nov 2016 - Apr 2017] | 1,666      | 3,178    | 4,844  |
| [Nov 2017 - Apr 2018] | 3,888      | 1,299    | 5,187  |
| [Nov 2018 - Apr 2019] | 8,111      | 3,312    | 11,423 |
| [Nov 2019 - Apr 2020] | 3,730      | 1,420    | 5,150  |
| [Nov 2020 - Apr 2021] | 1,883      | 1,993    | 3,876  |
| [Nov 2021 - Apr 2022] | 2,313      | 4,901    | 7,214  |
| [Nov 2022 - Apr 2023] | 2,032      | 1,197    | 3,229  |
| [Nov 2023 - Apr 2024] | 2,717      | 1,654    | 4,371  |
| [Nov 2024 - Apr 2025] | 3,594      |          | 3,594  |

| WINTER                |        |      |
|-----------------------|--------|------|
| YEAR                  | TOTAL  | RBDD |
| [Dec 2015 - Aug 2016] | 1,549  |      |
| [Dec 2016 - Aug 2017] | 979    |      |
| [Dec 2017 - Aug 2018] | 2,639  |      |
| [Dec 2018 - Aug 2019] | 8,128  |      |
| [Dec 2019 - Aug 2020] | 7,428  |      |
| [Dec 2020 - Aug 2021] | 10,548 |      |
| [Dec 2021 - Aug 2022] | 6,067  |      |
| [Dec 2022 - Aug 2023] | 2,481  |      |
| [Dec 2023 - Aug 2024] | 1,367  |      |
| [Dec 2024 - Aug 2025] |        |      |

| YEAR   | SPRING     |          |        | FALL       |          |         |
|--------|------------|----------|--------|------------|----------|---------|
|        | Hatcheries | In-River | TOTAL  | Hatcheries | In-River | TOTAL   |
| [2016] | 1,659      | 6,474    | 8,133  | 48,192     | 85,123   | 133,315 |
| [2017] | 532        | 1,059    | 1,591  | 58,348     | 43,627   | 101,975 |
| [2018] | 2,110      | 2,847    | 4,957  | 56,922     | 116,102  | 173,024 |
| [2019] | 3,867      | 16,373   | 20,240 | 62,192     | 150,724  | 212,916 |
| [2020] | 1,554      | 1,741    | 3,295  | 45,821     | 111,593  | 157,414 |
| [2021] | 1,722      | 25,596   | 27,318 | 44,384     | 89,401   | 133,785 |
| [2022] | 1,391      | 5,161    | 6,552  | 38,115     | 41,861   | 79,976  |
| [2023] | 1,072      | 169      | 1,241  | 43,720     | 137,768  | 181,488 |
| [2024] | 2,470      | 392      | 2,862  | 47,000     | 121,664  | 168,664 |
| [2025] |            |          |        |            |          |         |

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<br>LATE-<br>FALL<br>RUN |
|---------------------|----------------------------|-------------------|--------|--------------------|----------|-------|---------------------------|---------------------|-------|-------------|-----------------------|------------|-------------|---------------|---------------|-------------------------------|
|                     | Upstream of RBDD 1/        |                   |        | Downstream of RBDD |          |       | In-River<br>Above<br>CNFH | Coleman<br>Hatchery | TOTAL | Clear<br>Ck | Cotton-<br>wood<br>Ck | Salt<br>Ck | Craig<br>Ck | In-<br>River  | Hatch-<br>ery |                               |
|                     | In-River<br>2/             | Coleman<br>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                        |
| Nov 2002 - Apr 2003 | 5,346                      | 38                | 5,384  |                    | 148      | 148   | 57                        | 3,183               | 3,240 | 110         |                       |            |             |               |               | 8,882                         |
| Nov 2003 - Apr 2004 | 8,824                      | 60                | 8,884  |                    | 0        | 0     | 40                        | 5,166               | 5,206 | 60          |                       |            |             |               |               | 14,150                        |
| Nov 2004 - Apr 2005 | 9,493                      | 79                | 9,572  |                    | 1,031    | 1,031 | 23                        | 5,562               | 5,585 | 94          |                       |            |             |               |               | 16,282                        |
| Nov 2005 - Apr 2006 | 7,678                      | 12                | 7,690  |                    | 2,485    | 2,485 | 50                        | 4,822               | 4,872 | 42          |                       |            |             |               |               | 15,089                        |

# CHINOOK SALMON ESCAPEMENT - LATE-FALL RUN

## SACRAMENTO RIVER SYSTEM

| YEAR                  | SACRAMENTO RIVER MAIN STEM |                   |        |                    |          |       | Battle Creek 5/           |                     |       |             |                       |            |             | Feather River |               | TOTAL<br>LATE-<br>FALL<br>RUN |
|-----------------------|----------------------------|-------------------|--------|--------------------|----------|-------|---------------------------|---------------------|-------|-------------|-----------------------|------------|-------------|---------------|---------------|-------------------------------|
|                       | Upstream of RBDD 1/        |                   |        | Downstream of RBDD |          |       | In-River<br>Above<br>CNFH | Coleman<br>Hatchery | TOTAL | Clear<br>Ck | Cotton-<br>wood<br>Ck | Salt<br>Ck | Craig<br>Ck | In-<br>River  | Hatch-<br>ery |                               |
|                       | In-River<br>2/             | Coleman<br>NFH 3/ | TOTAL  | TCFF 4/            | In-River | TOTAL |                           |                     |       |             |                       |            |             |               |               |                               |
| Nov 2006 - Apr 2007   | 13,798                     | 66                | 13,864 |                    | 1,477    | 1,477 | 72                        | 3,361               | 3,433 | 69          |                       |            |             |               |               | 18,843                        |
| Nov 2007 - Apr 2008   | 3,673                      | 0                 | 3,673  |                    | 291      | 291   | 19                        | 6,334               | 6,353 | 55          |                       |            |             |               |               | 10,372                        |
| [Nov 2008 - Apr 2009] | 3,271                      | 58                | 3,329  |                    | 63       | 63    | 32                        | 6,436               | 6,468 | 336         |                       |            |             |               |               | 10,196                        |
| [Nov 2009 - Apr 2010] | 3,845                      | 81                | 3,926  |                    | 439      | 439   | 27                        | 5,505               | 5,532 | 91          |                       |            |             |               |               | 9,988                         |
| [Nov 2010 - Apr 2011] | 3,686                      | 39                | 3,725  |                    | 0        | 0     | 28                        | 4,637               | 4,665 | 58          |                       |            |             |               |               | 8,448                         |
| [Nov 2011 - Apr 2012] | 2,811                      | 47                | 2,858  |                    | 11       | 11    | 19                        | 3,048               | 3,067 | 50          |                       |            |             |               |               | 5,986                         |
| [Nov 2012 - Apr 2013] | 4,918                      | 43                | 4,961  |                    | 309      | 309   | 42                        | 3,615               | 3,657 | 77          |                       |            |             |               |               | 9,004                         |
| [Nov 2013 - Apr 2014] | 7,227                      | 39                | 7,266  |                    | 723      | 723   | 120                       | 4,869               | 4,989 | 72          |                       |            |             |               |               | 13,050                        |
| [Nov 2014 - Apr 2015] | 2,039                      | 83                | 2,122  |                    | 92       | 92    | 97                        | 6,827               | 6,924 | 272         |                       |            |             |               |               | 9,410                         |
| [Nov 2015 - Apr 2016] | 3,085                      | 65                | 3,150  |                    | 0        | 0     | 57                        | 2,351               | 2,408 | 55          |                       |            |             |               |               | 5,613                         |
| [Nov 2016 - Apr 2017] | 3,069                      | 11                | 3,080  |                    | 0        | 0     | 43                        | 1,666               | 1,709 | 55          |                       |            |             |               |               | 4,844                         |
| [Nov 2017 - Apr 2018] | 1,116                      | 18                | 1,134  |                    | 59       | 59    | 18                        | 3,888               | 3,906 | 88          |                       |            |             |               |               | 5,187                         |
| [Nov 2018 - Apr 2019] | 2,887                      | 12                | 2,899  |                    | 98       | 98    | 66                        | 8,111               | 8,177 | 249         |                       |            |             |               |               | 11,423                        |
| [Nov 2019 - Apr 2020] | 1,218                      | 23                | 1,241  |                    | 0        | 0     | 33                        | 3,730               | 3,763 | 146         |                       |            |             |               |               | 5,150                         |
| [Nov 2020 - Apr 2021] | 1,709                      | 0                 | 1,709  |                    | 138      | 138   | 17                        | 1,883               | 1,900 | 129         |                       |            |             |               |               | 3,876                         |
| [Nov 2021 - Apr 2022] | 4,442                      | 32                | 4,474  |                    | 292      | 292   | 39                        | 2,313               | 2,352 | 96          |                       |            |             |               |               | 7,214                         |
| [Nov 2022 - Apr 2023] | 1,045                      | 29                | 1,074  |                    | 71       | 71    | 22                        | 2,032               | 2,054 | 30          |                       |            |             |               |               | 3,229                         |
| [Nov 2023 - Apr 2024] | 1,430                      | 32                | 1,462  |                    | 94       | 94    | 16                        | 2,717               | 2,733 | 82          |                       |            |             |               |               | 4,371                         |
| [Nov 2024 - Apr 2025] |                            |                   |        |                    |          |       |                           | 3,594               | 3,594 |             |                       |            |             |               |               | 3,594                         |

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                   | TOTAL<br>CENTRAL<br>VALLEY<br>SYSTEM |
|---------------------|-------------------------|------------------|-------------------|-----------------------|-------------------------|----------------------|-----------------------|---------------------------|-----------------------|--------------------------------------|
|                     | Mainstem In-River       |                  |                   | Hatchery Transfers 1/ |                         | Clear<br>Creek<br>4/ | Battle<br>Creek<br>5/ | TOTAL 6/<br>SAC<br>SYSTEM | Joaquin               |                                      |
|                     | Upstream<br>RBDD 2/     | Downstr.<br>RBDD | TOTAL<br>In-River | Coleman<br>Hatchery   | Livingston<br>Stone NFH |                      |                       |                           | Calaveras<br>River 7/ |                                      |
| 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                    | 500                   | 23,930                               |
| Dec 1975 - Aug 1976 | 33,029                  |                  | 33,029            |                       |                         |                      |                       | 35,096                    | 500                   | 35,596                               |
| Dec 1976 - Aug 1977 | 16,470                  |                  | 16,470            |                       |                         |                      |                       | 17,214                    |                       | 17,214                               |
| Dec 1977 - Aug 1978 | 24,735                  |                  | 24,735            |                       |                         |                      |                       | 24,862                    | 150                   | 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                     | 100                   | 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             | 0                     | 104                     |                      | 0                     | 8,224                     |                       | 8,224                                |
| Dec 2001 - Aug 2002 | 7,325                   | 12               | 7,337             | 0                     | 104                     |                      | 0                     | 7,441                     |                       | 7,441                                |
| Dec 2002 - Aug 2003 | 8,105                   | 28               | 8,133             | 0                     | 85                      |                      | 0                     | 8,218                     |                       | 8,218                                |
| Dec 2003 - Aug 2004 | 7,784                   | 0                | 7,784             | 0                     | 85                      |                      | 0                     | 7,869                     |                       | 7,869                                |
| Dec 2004 - Aug 2005 | 15,730                  | 0                | 15,730            | 0                     | 109                     |                      | 0                     | 15,839                    |                       | 15,839                               |

| Sacramento Mainstem Winter Data 1/ |                         |                      |                     |
|------------------------------------|-------------------------|----------------------|---------------------|
| Fish<br>Passing<br>RBDD 3/         | Angler<br>Harvest<br>4/ | REDD distribution 2/ |                     |
|                                    |                         | Upstream<br>of RBDD  | Downstr.<br>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%                |
| 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%                  |



## CENTRAL VALLEY: Sacramento and San Joaquin river systems

[illegible][illegible]

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

2/ Based on aerial survey

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.

closure.

closure.



**CHINOOK SALMON ESCAPEMENT - SPRING RUN**

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| YEAR | Sacramento River Mainst |               |        | Battle Ck 4/ | Clear Ck | Cotton-wood Ck | Antelope Ck | Mill Ck | Mill Ck Spawn 5/ | Deer Ck | Deer Ck Spawn 5/ | Big Chico Ck | Butte Ck 6/ | Butte Ck 5/ Spawn | Feather River |             |       | Yuba River | TOTAL SPRING RUN 7/ |
|------|-------------------------|---------------|--------|--------------|----------|----------------|-------------|---------|------------------|---------|------------------|--------------|-------------|-------------------|---------------|-------------|-------|------------|---------------------|
|      | Upstr. RBDD             | 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   |            | 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 | 11,445                  |               | 11,445 |              |          |                |             | 460     |                  | 340     |                  | 100          | 100         |                   |               | 185         | 185   |            | 12,630              |
| 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               |

**CHINOOK SALMON ESCAPEMENT - SPRING RUN**

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| YEAR   | Sacramento River Mainst |               |       | Battle Ck 4/ | Clear Ck | Cotton-wood Ck | Antelope Ck | Mill Ck | Mill Ck Spawn 5/ | Deer Ck | Deer Ck Spawn 5/ | Big Chico Ck | Butte Ck 6/ | Butte Ck 5/ Spawn | Feather River |             |       | Yuba River | TOTAL SPRING RUN 7/ |
|--------|-------------------------|---------------|-------|--------------|----------|----------------|-------------|---------|------------------|---------|------------------|--------------|-------------|-------------------|---------------|-------------|-------|------------|---------------------|
|        | Upstr. RBDD             | Downstr. RBDD | TOTAL |              |          |                |             |         |                  |         |                  |              |             |                   | In-River 2/   | Hatchery 3/ | TOTAL |            |                     |
| 1991   | 766                     | 59            | 825   |              |          |                | 0           | 319     |                  | 479     |                  |              |             |                   |               | 4,303       | 4,303 |            | 5,926               |
| 1992   | 371                     | 0             | 371   |              |          |                | 0           | 237     |                  | 209     |                  |              | 730         |                   |               | 1,497       | 1,497 |            | 3,044               |
| 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     |                  | 1,879   |                  | 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           | 18,670      | 18,415            |               | 4,135       | 4,135 | 108        | 26,663              |
| 2002   | 195                     | 0             | 195   | 222          | 66       | 125            | 46          | 1,594   |                  | 2,195   |                  | 0            | 16,409      | 12,893            |               | 4,189       | 4,189 |            | 25,043              |
| 2003   | 0                       | 0             | 0     | 221          | 25       | 73             | 46          | 1,426   |                  | 2,759   |                  | 81           | 17,404      | 6,063             |               | 8,662       | 8,662 |            | 30,697              |
| 2004   | 370                     | 0             | 370   | 90           | 98       | 17             | 3           | 998     |                  | 804     |                  | 0            | 10,558      | 10,221            |               | 4,212       | 4,212 |            | 17,150              |
| 2005   | 0                       | 30            | 30    | 73           | 69       | 47             | 82          | 1,150   |                  | 2,239   |                  | 37           | 17,592      | 16,981            |               | 1,774       | 1,774 |            | 23,093              |
| 2006   | 0                       | 0             | 0     | 221          | 77       | 55             | 102         | 1,002   |                  | 2,432   |                  | 299          | 6,537       | 6,296             |               | 2,181       | 2,181 |            | 12,906              |
| 2007   | 248                     | 0             | 248   | 291          | 194      | 34             | 26          | 920     |                  | 644     |                  | 0            | 6,871       | 6,237             |               | 1,916       | 1,916 |            | 11,144              |
| 2008   | 0                       | 52            | 52    | 105          | 200      | 0              | 3           | 381     |                  | 140     |                  | 0            | 11,046      | 10,009            |               | 1,460       | 1,460 |            | 13,387              |
| [2009] | 0                       | 0             | 0     | 194          | 120      | 0              | 0           | 237     |                  | 213     |                  | 6            | 2,687       | 2,561             |               | 989         | 989   |            | 4,446               |
| [2010] | 0                       | 0             | 0     | 174          | 21       | 15             | 17          | 482     |                  | 262     |                  | 2            | 1,991       | 1,979             |               | 1,661       | 1,661 |            | 4,625               |
| [2011] | 0                       | 0             | 0     | 159          | 8        | 2              | 6           | 366     |                  | 271     |                  | 124          | 4,871       | 4,859             |               | 1,969       | 1,969 |            | 7,776               |
| [2012] | 0                       | 0             | 0     | 799          | 68       | 1              | 1           | 768     |                  | 734     |                  | 0            | 16,317      | 16,140            |               | 3,738       | 3,738 |            | 22,426              |
| [2013] | 114                     | 0             | 114   | 608          | 659      | 1              | 0           | 644     |                  | 708     |                  | 0            | 16,782      | 15,886            |               | 4,294       | 4,294 |            | 23,810              |
| [2014] | 8                       | 0             | 8     | 429          | 95       | 2              | 7           | 679     | 440              | 830     | 641              | 0            | 5,083       | 4,851             |               | 2,776       | 2,776 |            | 9,909               |
| [2015] | 414                     | 0             | 414   | 181          | 45       | 0              | 5           | 127     | 116              | 268     | 99               | 0            | 569         | 413               |               | 3,386       | 3,386 |            | 4,995               |
| [2016] | 21                      | 0             | 21    | 180          | 29       | 0              | 7           | 175     | 94               | 331     | 268              | 0            | 5,731       | 5,371             |               | 1,659       | 1,659 |            | 8,133               |
| [2017] | 4                       | 0             | 4     | 30           | 25       | 0              | 8           | 258     | 258              | 219     | 219              | 0            | 515         | 515               |               | 532         | 532   |            | 1,591               |
| [2018] | 0                       | 0             | 0     | 82           | 49       | 0              | 1           | 152     | 152              | 159     | 104              | 0            | 2,404       | 2,362             |               | 2,110       | 2,110 |            | 4,957               |
| [2019] | 33                      |               | 33    | 47           | 62       | 62             | 7           | 180     | 180              | 585     | 373              | 350          | 15,047      | 14,863            |               | 3,867       | 3,867 |            | 20,240              |
| [2020] | 17                      | 0             | 17    | 47           | 172      | 0              | 2           | 80      | 80               | 90      | 40               |              | 1,333       | 1,281             |               | 1,554       | 1,554 |            | 3,295               |
| [2021] | 191                     | 0             | 191   | 233          | 2,252    | 0              | 3           | 718     | 620              | 619     | 282              |              | 21,580      | 1,807             |               | 1,722       | 1,722 |            | 27,318              |

CHINOOK SALMON ESCAPEMENT - SPRING RUN

CENTRAL VALLEY: Sacramento and San Joaquin river systems

| YEAR   | Sacramento River Mainst |               |       | Battle Ck 4/ | Clear Ck | Cotton-wood Ck | Antelope Ck | Mill Ck | Mill Ck Spawn 5/ | Deer Ck | Deer Ck Spawn 5/ | Big Chico Ck | Butte Ck 6/ | Butte Ck 5/ Spawn | Feather River |             |       | Yuba River | TOTAL SPRING RUN 7/ |
|--------|-------------------------|---------------|-------|--------------|----------|----------------|-------------|---------|------------------|---------|------------------|--------------|-------------|-------------------|---------------|-------------|-------|------------|---------------------|
|        | Upstr. RBDD             | Downstr. RBDD | TOTAL |              |          |                |             |         |                  |         |                  |              |             |                   | In-River 2/   | Hatchery 3/ | TOTAL |            |                     |
| [2022] | 479                     | 0             | 479   | 152          | 195      | 0              | 0           | 250     | 250              | 397     | 127              |              | 3,688       | 2,900             |               | 1,391       | 1,391 |            | 6,552               |
| [2023] | 2                       | 0             | 2     | 7            | 0        | 0              | 0           | 34      | 34               | 23      | 16               | 8            | 95          |                   |               | 1,072       | 1,072 |            | 1,241               |
| [2024] | 254                     | 0             | 254   | 30           | 6        | 0              | 0           | 18      | 18               | 33      | 33               |              | 51          | 28                |               | 2,470       | 2,470 |            | 2,862               |
| [2025] |                         |               |       |              |          |                |             |         |                  |         |                  |              |             |                   |               |             |       |            |                     |

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. 2022 includes 378 fish transferred from Keswick Dam to Clear Creek.
- 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 spawning.
- 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.
- 5/ Spawner estimates are shown when available for selected locations. These are shown for comparison and are not included in totals.
- 6/ Butte Creek shows the snorkel survey estimate prior to 2001, in 2023, and 2024, otherwise the carcass survey estimate is shown.
- 7/ Thomes Ck. and the Calaveras R. are no longer shown, but are included in totals. In 1972 500 fish were reported in the Calaveras R. In 1998 one fish and in 2002 two fish were reported in Thomes Ck.

# 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 |          |         |
|------|-------------------------|----------|-------------|---------|--------------------------|-------------|--------|--|----------|---------|
|      | Hatch-eries 1/          | In-River |             | TOTAL   | Hatch-eries 2/           | In-River    | TOTAL  | Hatcheries                               | In-River | TOTAL   |
|      |                         | Mainstem | Tributaries |         |                          | 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 |

# 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 |          |         |
|--------|-------------------------|----------|-------------|---------|--------------------------|-------------|--------|--|----------|---------|
|        | Hatch-eries 1/          | In-River |             | TOTAL   | Hatch-eries 2/           | In-River    | TOTAL  | Hatcheries                               | In-River | TOTAL   |
|        |                         | Mainstem | Tributaries |         |                          | Tributaries |        |  |          |         |
| 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 |
| 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   | 18,785                  | 24,743   | 25,618      | 69,146  | 315                      | 1,830       | 2,145  | 19,100                                   | 52,191   | 71,291  |
| [2009] | 20,904                  | 5,827    | 22,756      | 49,487  | 1,799                    | 1,757       | 3,556  | 22,703                                   | 30,340   | 53,043  |
| [2010] | 46,305                  | 16,372   | 90,155      | 152,832 | 5,421                    | 4,937       | 10,358 | 51,726                                   | 111,464  | 163,190 |
| [2011] | 87,388                  | 11,592   | 105,461     | 204,441 | 16,293                   | 6,500       | 22,793 | 103,681                                  | 123,553  | 227,234 |
| [2012] | 135,706                 | 28,701   | 155,450     | 319,857 | 7,620                    | 13,342      | 20,962 | 143,326                                  | 197,493  | 340,819 |
| [2013] | 106,719                 | 40,084   | 280,271     | 427,074 | 6,279                    | 14,668      | 20,947 | 112,998                                  | 335,023  | 448,021 |

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 |          |         |
|--------|-------------------------|----------|-------------|---------|--------------------------|----------------------|--------|--|----------|---------|
|        | Hatch-eries 1/          | In-River |             | TOTAL   | Hatch-eries 2/           | In-River Tributaries | TOTAL  | Hatcheries                               | In-River | TOTAL   |
|        |                         | Mainstem | Tributaries |         |                          |                      |        |  |          |         |
| [2014] | 51,040                  | 34,782   | 152,098     | 237,920 | 9,627                    | 8,090                | 17,717 | 60,667                                   | 194,970  | 255,637 |
| [2015] | 46,349                  | 28,659   | 58,195      | 133,203 | 9,504                    | 12,281               | 21,785 | 55,853                                   | 99,135   | 154,988 |
| [2016] | 38,309                  | 4,572    | 64,101      | 106,982 | 9,883                    | 16,450               | 26,333 | 48,192                                   | 85,123   | 133,315 |
| [2017] | 42,068                  | 1,863    | 25,508      | 69,439  | 16,280                   | 16,256               | 32,536 | 58,348                                   | 43,627   | 101,975 |
| [2018] | 48,766                  | 9,437    | 91,237      | 149,440 | 8,156                    | 15,428               | 23,584 | 56,922                                   | 116,102  | 173,024 |
| [2019] | 52,669                  | 24,431   | 116,877     | 193,977 | 9,523                    | 9,416                | 18,939 | 62,192                                   | 150,724  | 212,916 |
| [2020] | 42,193                  | 13,527   | 96,210      | 151,930 | 3,628                    | 1,856                | 5,484  | 45,821                                   | 111,593  | 157,414 |
| [2021] | 39,900                  | 15,629   | 67,096      | 122,625 | 4,484                    | 6,676                | 11,160 | 44,384                                   | 89,401   | 133,785 |
| [2022] | 33,034                  | 4,680    | 31,080      | 68,794  | 5,081                    | 6,101                | 11,182 | 38,115                                   | 41,861   | 79,976  |
| [2023] | 32,945                  | 3,560    | 109,075     | 145,580 | 10,775                   | 25,133               | 35,908 | 43,720                                   | 137,768  | 181,488 |
| [2024] | 35,244                  | 6,631    | 84,236      | 126,111 | 11,756                   | 30,797               | 42,553 | 47,000                                   | 121,664  | 168,664 |
| [2025] |                         |          |             |         |                          |                      |        |  |          |         |

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 |



# 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/ |        |                               |                      |         |
| 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  |
| 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    | 412            | 2,021  | 8,146                         | 12,236               | 20,382  |
| [2009] | 6,152                                  | 5,311    | 7,597       | 19,060  |  | 516      | 160            | 676    | 14,752                        | 14,999               | 29,751  |
| [2010] | 17,237                                 | 13,824   | 15,497      | 46,558  |  | 2,548    | 310            | 2,858  | 29,068                        | 74,348               | 103,416 |
| [2011] | 42,092                                 | 10,299   | 21,309      | 73,700  |  | 1,293    | 1,893          | 3,186  | 45,296                        | 82,259               | 127,555 |

# 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/ |        |                               |                      |         |
| [2012] | 84,289                                 | 22,435   | 43,229      | 149,953 |  | 6,266    | 1,763          | 8,029  | 51,417                        | 110,458              | 161,875 |
| [2013] | 70,021                                 | 32,515   | 50,531      | 153,067 |  | 7,569    | 3,223          | 10,792 | 36,698                        | 226,517              | 263,215 |
| [2014] | 19,277                                 | 29,885   | 47,916      | 97,078  |  | 4,897    | 3,480          | 8,377  | 31,763                        | 100,702              | 132,465 |
| [2015] | 15,712                                 | 21,766   | 13,650      | 51,128  |  | 6,893    | 1,651          | 8,544  | 30,637                        | 42,894               | 73,531  |
| [2016] | 8,526                                  | 4,263    | 5,177       | 17,966  |  | 309      | 993            | 1,302  | 29,783                        | 57,931               | 87,714  |
| [2017] | 6,395                                  | 1,822    | 3,121       | 11,338  |  | 41       | 451            | 492    | 35,673                        | 21,936               | 57,609  |
| [2018] | 14,198                                 | 8,982    | 20,129      | 43,309  |  | 455      | 735            | 1,190  | 34,568                        | 70,373               | 104,941 |
| [2019] | 14,270                                 | 23,482   | 29,790      | 67,542  |  | 949      | 3,163          | 4,112  | 38,399                        | 83,924               | 122,323 |
| [2020] | 13,736                                 | 12,952   | 26,394      | 53,082  |  | 575      | 442            | 1,017  | 28,457                        | 69,374               | 97,831  |
| [2021] | 16,438                                 | 14,913   | 40,843      | 72,194  |  | 716      | 835            | 1,551  | 23,462                        | 25,418               | 48,880  |
| [2022] | 9,242                                  | 4,612    | 4,732       | 18,586  |  | 68       | 221            | 289    | 23,792                        | 26,127               | 49,919  |
| [2023] | 4,847                                  | 2,734    | 2,774       | 10,355  |  | 826      | 387            | 1,213  | 28,098                        | 105,914              | 134,012 |
| [2024] | 6,199                                  | 6,542    | 2,740       | 15,481  |  | 89       | 235            | 324    | 29,045                        | 81,261               | 110,306 |
| [2025] |  |          |             |         |  |          |                |        |                               |                      |         |

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/ |               |                |        |          |              |             |          |             |           |        |         |        |             |         |          |
|------|---------------------------|-------------------|---------|-----------------|---------------|----------------|--------|----------|--------------|-------------|----------|-------------|-----------|--------|---------|--------|-------------|---------|----------|
|      | In-River 1/               | Trans. to CNFH 2/ | TOTAL   | CNFH            | Downstr. CNFH | Upstr. CNFH 3/ | TOTAL  | Clear Ck | Spring Gulch | China Gulch | Olney Ck | Cotton-wood | Paynes Ck | Cow Ck | Bear Ck | Ash Ck | Still-water | Inks Ck | Other 4/ |
| 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        |        |         |        |             |         |          |

**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/ |               |                |         |          |              |             |          |             |           |        |         |        |             |         |          |
|--------|---------------------------|-------------------|---------|-----------------|---------------|----------------|---------|----------|--------------|-------------|----------|-------------|-----------|--------|---------|--------|-------------|---------|----------|
|        | In-River 1/               | Trans. to CNFH 2/ | TOTAL   | CNFH            | Downstr. CNFH | Upstr. CNFH 3/ | TOTAL   | Clear Ck | Spring Gulch | China Gulch | Olney Ck | Cotton-wood | Paynes Ck | Cow Ck | Bear Ck | Ash Ck | Still-water | Inks Ck | Other 4/ |
| 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    |         |        |             |         |          |
| 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  | 17,237          | 6,631         | 1              | 23,869  | 7,192    |              |             |          | 1,137       |           | 536    |         |        |             |         |          |
| [2011] | 10,299                    |                   | 10,299  | 42,092          | 12,514        | 0              | 54,606  | 4,841    |              |             |          | 2,144       |           | 1,810  |         |        |             |         |          |
| [2012] | 22,435                    |                   | 22,435  | 84,289          | 31,554        |                | 115,843 | 7,631    |              |             |          | 2,556       |           | 1,488  |         |        |             |         |          |
| [2013] | 32,515                    |                   | 32,515  | 70,021          | 31,234        |                | 101,255 | 13,337   |              |             |          | 2,774       | 175       | 3,011  |         |        |             |         |          |

**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  |          |              |             |          |            |           |        |         |        |             |         |          |
| [2014] | 29,885                    |                   | 29,885 | 19,277          | 26,575        |                | 45,852 | 15,794   |              |             |          | 1,940      | 72        | 3,535  |         |        |             |         |          |
| [2015] | 21,766                    |                   | 21,766 | 15,712          | 3,642         |                | 19,354 | 8,809    |              |             |          | 604        | 0         | 591    | 4       |        |             |         |          |
| [2016] | 3,981                     | 282               | 4,263  | 8,526           | 1,021         |                | 9,547  | 2,481    |              |             |          | 813        | 8         | 822    | 32      |        |             |         |          |
| [2017] | 1,711                     | 111               | 1,822  | 6,395           | 354           |                | 6,749  | 2,353    |              |             |          | 124        | 0         | 288    | 2       |        |             |         |          |
| [2018] | 8,982                     | 0                 | 8,982  | 14,198          | 9,931         |                | 24,129 | 8,547    |              |             |          | 453        | 0         | 1,164  | 34      |        |             |         |          |
| [2019] | 23,482                    | 0                 | 23,482 | 14,270          | 20,857        |                | 35,127 | 5,712    |              |             |          | 1,318      | 6         | 1,818  | 79      |        |             |         |          |
| [2020] | 12,952                    | 0                 | 12,952 | 13,736          | 19,224        |                | 32,960 | 6,631    |              |             |          | 86         | 1         | 452    | 0       |        |             |         |          |
| [2021] | 14,913                    | 0                 | 14,913 | 16,438          | 17,453        |                | 33,891 | 19,867   |              |             |          | 1,955      | 1         | 1,463  | 104     |        |             |         |          |
| [2022] | 4,612                     | 0                 | 4,612  | 9,242           | 1,620         |                | 10,862 | 2,997    |              |             |          | 5          | 0         | 110    | 0       |        |             |         |          |
| [2023] | 2,734                     | 0                 | 2,734  | 4,847           | 1,255         |                | 6,102  | 1,110    |              |             |          | 214        | 0         | 195    | 0       |        |             |         |          |
| [2024] | 6,542                     | 0                 | 6,542  | 6,199           | 974           |                | 7,173  | 1,068    |              |             |          | 135        | 0         | 563    |         |        |             |         |          |
| [2025] |                           |                   |        |                 |               |                |        |          |              |             |          |            |           |        |         |        |             |         |          |

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 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 edited some 2000 - 2008 estimates of fall and late-fall Chinook returning to Battle Creek based on CWT data. Previously, a December 1st cutoff was used to assign run.

**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     |           |           |           |           |          |

**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  |       |         |             |          |        |         |           |           |         |           |           |           |           |          |
| 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       |          |
| 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  |       |         |             |          |        | 218     |           |           | 194     |           |           |           |           |          |
| [2009] | 516                       |                   | 516    |       |         |             |          |        | 102     |           |           | 58      |           |           |           |           |          |
| [2010] | 2,548                     |                   | 2,548  |       |         |             |          |        | 144     |           |           | 166     |           |           |           |           |          |
| [2011] | 1,293                     |                   | 1,293  |       |         |             |          |        | 1,231   |           |           | 662     |           |           |           |           |          |
| [2012] | 6,266                     |                   | 6,266  |       |         |             |          |        | 890     |           |           | 873     |           |           |           |           |          |
| [2013] | 7,569                     |                   | 7,569  |       |         |             |          |        | 2,197   |           |           | 1,026   |           |           |           |           |          |



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 |      |         |             |          |        |         |           |           |         |           |           |           |           |          |
| [2014] | 4,897                     |                   | 4,897 |      |         | 143         |          |        | 2,488   |           |           | 849     |           |           |           |           |          |
| [2015] | 6,893                     |                   | 6,893 |      |         | 6           |          |        | 1,033   |           |           | 612     |           |           |           |           |          |
| [2016] | 309                       |                   | 309   |      |         | 138         |          |        | 602     |           |           | 253     |           |           |           |           |          |
| [2017] | 41                        |                   | 41    |      |         | 3           |          |        | 342     |           |           | 106     |           |           |           |           |          |
| [2018] | 455                       |                   | 455   |      |         | 0           |          |        | 611     |           |           | 124     |           |           |           |           |          |
| [2019] | 949                       |                   | 949   |      |         | 56          |          |        | 2,523   |           |           | 584     |           |           |           |           |          |
| [2020] | 575                       |                   | 575   |      |         | 0           |          |        | 382     |           |           | 60      |           |           |           |           |          |
| [2021] | 716                       |                   | 716   |      |         | 36          |          |        | 589     |           |           | 210     |           |           |           |           |          |
| [2022] | 68                        |                   | 68    |      |         | 0           |          |        | 214     |           |           | 7       |           |           |           |           |          |
| [2023] | 826                       |                   | 826   |      |         | 0           |          |        | 360     |           |           | 27      |           |           |           |           |          |
| [2024] | 89                        |                   | 89    |      |         | 0           |          |        | 209     |           |           | 26      |           |           |           |           |          |
| [2025] |                           |                   |       |      |         |             |          |        |         |           |           |         |           |           |           |           |          |

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  |               |        | Natomas Drain |
|------|---------------|----------|-------------|--------|---------------|------------|--------|-----------------|---------------|--------|---------------|
|      | Butte Ck 1/   | Hatchery | In-River 2/ | TOTAL  | Yuba River 3/ | Bear River | Dry Ck | Nimbus Hatchery | In-River 4/5/ | TOTAL  |               |
| 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 |               |

**CHINOOK SALMON ESCAPEMENT - FALL RUN Section 3**

SACRAMENTO RIVER SYSTEM: Princeton Ferry to Sacramento

| YEAR   | Feather River |          |             |         |               |            |        | American River  |               |         | Natomas Drain |
|--------|---------------|----------|-------------|---------|---------------|------------|--------|-----------------|---------------|---------|---------------|
|        | Butte Ck 1/   | Hatchery | In-River 2/ | TOTAL   | Yuba River 3/ | Bear River | Dry Ck | Nimbus Hatchery | In-River 4/5/ | TOTAL   |               |
| 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  |               |
| 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           | 4,914    | 5,939       | 10,853  | 3,508         |            |        | 3,232           | 2,514         | 5,746   |               |
| [2009] | 306           | 9,963    | 4,847       | 14,810  | 4,635         |            |        | 4,789           | 5,211         | 10,000  |               |
| [2010] | 370           | 19,973   | 44,914      | 64,887  | 14,375        |            |        | 9,095           | 14,689        | 23,784  |               |
| [2011] | 416           | 32,616   | 47,289      | 79,905  | 8,928         |            |        | 12,680          | 25,626        | 38,306  |               |
| [2012] | 813           | 42,160   | 63,649      | 105,809 | 7,668         |            |        | 9,257           | 38,328        | 47,585  |               |
| [2013] | 2,200         | 27,622   | 151,209     | 178,831 | 14,880        |            |        | 9,076           | 58,228        | 67,304  |               |

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

| YEAR   | Feather River |          |             |        |               |            |        | American River  |               |        | Natomas Drain |
|--------|---------------|----------|-------------|--------|---------------|------------|--------|-----------------|---------------|--------|---------------|
|        | Butte Ck 1/   | Hatchery | In-River 2/ | TOTAL  | Yuba River 3/ | Bear River | Dry Ck | Nimbus Hatchery | In-River 4/5/ | TOTAL  |               |
| [2014] | 1,412         | 23,420   | 61,200      | 84,620 | 11,615        |            |        | 8,343           | 26,475        | 34,818 |               |
| [2015] | 82            | 20,816   | 20,566      | 41,382 | 6,507         |            |        | 9,821           | 15,739        | 25,560 |               |
| [2016] | 626           | 20,556   | 38,775      | 59,331 | 4,057         |            |        | 9,227           | 14,473        | 23,700 |               |
| [2017] | 105           | 25,094   | 10,534      | 35,628 | 1,634         |            |        | 10,579          | 9,663         | 20,242 |               |
| [2018] |               | 28,356   | 45,826      | 74,182 | 3,455         |            |        | 6,212           | 21,092        | 27,304 |               |
| [2019] | 1,481         | 27,103   | 51,967      | 79,070 | 3,446         |            |        | 11,296          | 27,030        | 38,326 |               |
| [2020] |               | 22,193   | 42,724      | 64,917 | 4,194         |            |        | 6,264           | 22,456        | 28,720 |               |
| [2021] |               | 12,385   | 9,652       | 22,037 | 4,534         |            |        | 11,077          | 11,232        | 22,309 |               |
| [2022] |               | 14,248   | 6,573       | 20,821 | 3,171         |            |        | 9,544           | 16,383        | 25,927 |               |
| [2023] |               | 18,799   | 63,747      | 82,546 | 4,846         |            |        | 9,299           | 37,321        | 46,620 |               |
| [2024] |               | 16,644   | 30,773      | 47,417 | 4,947         |            |        | 12,401          | 45,541        | 57,942 |               |
| [2025] |               |          |             |        |               |            |        |                 |               |        |               |

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

1/ No Butte Creek estimate was made in 2018 due to fire conditions.

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

3/ Yuba River Survey does not provide separate estimates for fall and spring escapement. Spring-run estimates are included with fall-run estimates. Non fresh carcasses not in report may be included in total.

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

5/ From 2018 on, the area between Nimbus Weir and Nimbus Dam is included in the American River Fall escapement estimate. In 2018 this area was closed to angling.

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

| YEAR | Mokelumne River |          |          |       |                  |                | Merced River |          |        |
|------|-----------------|----------|----------|-------|------------------|----------------|--------------|----------|--------|
|      | Cosumnes River  | Hatchery | In-River | TOTAL | Stanislaus River | Tuolumne River | Hatchery 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  |

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

| YEAR   | Mokelumne River |          |          |        |                  |                | Merced River |          |        |
|--------|-----------------|----------|----------|--------|------------------|----------------|--------------|----------|--------|
|        | Cosumnes River  | Hatchery | In-River | TOTAL  | Stanislaus River | Tuolumne River | Hatchery 1/  | In-River | TOTAL  |
| 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 |
| 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    | 865              | 388            | 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  |
| [2012] | 1,071           | 6,620    | 5,471    | 12,091 | 4,006            | 783            | 1,000        | 2,011    | 3,011  |
| [2013] | 0               | 5,181    | 7,071    | 12,252 | 2,845            | 1,926          | 1,098        | 2,826    | 3,924  |

California Department of Fish and Wildlife - Fisheries Branch - GrandTab

Date Compiled: 6/9/2025

# CHINOOK SALMON ESCAPEMENT - FALL RUN Section 4

## SAN JOAQUIN RIVER SYSTEM: Tributaries

| YEAR   | Mokelumne River |          |          |        |                  |                | Merced River |          |       |
|--------|-----------------|----------|----------|--------|------------------|----------------|--------------|----------|-------|
|        | Cosumnes River  | Hatchery | In-River | TOTAL  | Stanislaus River | Tuolumne River | Hatchery 1/  | In-River | TOTAL |
| [2014] | 373             | 8,816    | 3,297    | 12,113 | 3,060            | 438            | 811          | 922      | 1,733 |
| [2015] | 204             | 8,298    | 4,581    | 12,879 | 6,136            | 113            | 1,206        | 1,247    | 2,453 |
| [2016] | 1,248           | 6,887    | 1,984    | 8,871  | 9,330            | 1,347          | 2,996        | 2,541    | 5,537 |
| [2017] | 670             | 14,319   | 5,644    | 19,963 | 5,655            | 1,096          | 1,961        | 3,191    | 5,152 |
| [2018] | 788             | 7,181    | 10,294   | 17,475 | 2,387            | 1,084          | 975          | 875      | 1,850 |
| [2019] | 435             | 8,509    | 4,361    | 12,870 | 1,482            | 927            | 1,014        | 2,211    | 3,225 |
| [2020] | 0               | 3,443    | 601      | 4,044  | 558              | 271            | 185          | 426      | 611   |
| [2021] | 833             | 4,217    | 826      | 5,043  | 4,344            | 186            | 267          | 487      | 754   |
| [2022] |                 | 5,014    | 1,921    | 6,935  | 3,639            | 466            | 67           | 75       | 142   |
| [2023] | 987             | 9,881    | 18,817   | 28,698 | 1,617            | 1,341          | 894          | 2,371    | 3,265 |
| [2024] | 1,325           | 11,683   | 23,767   | 35,450 | 3,035            | 2,128          | 73           | 542      | 615   |
| [2025] |                 |          |          |        |                  |                |              |          |       |

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

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