

Appendix 1. Estimated adult abundance for naturally produced Tillamook Bay coho salmon, 1923-1998.

| (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) | (J) | (K) | (L) | (M) | (N) | (O) | (P) | (Q) | (R) | | | | | |
|---------------------------------|----------------------------|--------------------------------|------------------------------|----------|--------------------------------------|-----------------------|---------------------|--------------------------------|-------------------------------|-------------------------|---------------------------|----------------------|-----------------------------|--------------------|---------------------|-------------------------------|---------------|-----------------|----------------------|-----|-----|-----|
| Peak count of spawners (#/mile) | Mean AUC spawners (#/mile) | SRS estimate of total spawners | Number of "natural" spawners | | Adult returns from hatchery releases | TB sport harvest rate | TB coho sport catch | Percent of TB adults "natural" | TB sport catch "natural" coho | TB comm. catch (pounds) | TB comm. catch (# adults) | TB coho harvest rate | Nat. TB coho before harvest | Ocean harvest rate | Adult coho in ocean | Adults per TB Basin (#/sq mi) | adults to bay | adults to spawn | Basin area (sq. mi.) | | | |
| Year(s) | | | Method 1 | Method 2 | Combined | | | | | | | | | | | | | | | | | |
| 1923 | --- | --- | --- | --- | 68256 | 68256 | 527 | 0.007 | 454 | 0.992 | 451 | 530450 | 42436 | 0.38 | 110818 | 0.062 | 118153 | 203 | 190 | 117 | 582 | |
| 1924 | --- | --- | --- | --- | 89940 | 89940 | 0 | 0.009 | 794 | 1.000 | 794 | 695140 | 55611 | 0.38 | 146345 | 0.083 | 159552 | 274 | 251 | 155 | 582 | |
| 1925 | --- | --- | --- | --- | 63888 | 63888 | 516 | 0.011 | 712 | 0.992 | 706 | 498870 | 39910 | 0.38 | 104183 | 0.103 | 116207 | 200 | 179 | 110 | 582 | |
| 1926 | --- | --- | --- | --- | 42664 | 42664 | 2227 | 0.013 | 597 | 0.950 | 567 | 348490 | 27879 | 0.38 | 69727 | 0.119 | 79171 | 136 | 120 | 73 | 582 | |
| 1927 | --- | --- | --- | --- | 53229 | 53229 | 1003 | 0.015 | 843 | 0.982 | 827 | 370700 | 29656 | 0.35 | 83164 | 0.147 | 97486 | 168 | 143 | 91 | 582 | |
| 1928 | --- | --- | --- | --- | 55432 | 55432 | 943 | 0.017 | 1004 | 0.983 | 987 | 386200 | 30896 | 0.35 | 86798 | 0.147 | 101809 | 175 | 149 | 95 | 582 | |
| 1929 | --- | --- | --- | --- | 79492 | 79492 | 2349 | 0.020 | 1643 | 0.971 | 1596 | 561910 | 44953 | 0.35 | 124750 | 0.159 | 148367 | 255 | 214 | 137 | 582 | |
| 1930 | --- | --- | --- | --- | 77085 | 77085 | 1217 | 0.022 | 1750 | 0.984 | 1723 | 538820 | 43106 | 0.35 | 121244 | 0.176 | 147122 | 253 | 208 | 132 | 582 | |
| 1931 | --- | --- | --- | --- | 50050 | 50050 | 1262 | 0.024 | 1265 | 0.975 | 1234 | 353880 | 28310 | 0.35 | 78898 | 0.182 | 96457 | 166 | 136 | 86 | 582 | |
| 1932 | --- | --- | --- | --- | 42003 | 42003 | 0 | 0.026 | 1132 | 1.000 | 1132 | 290330 | 23226 | 0.35 | 66361 | 0.219 | 84930 | 146 | 114 | 72 | 582 | |
| 1933 | --- | --- | --- | --- | 38888 | 38888 | 1727 | 0.028 | 1188 | 0.957 | 1138 | 245900 | 19672 | 0.32 | 58861 | 0.219 | 75356 | 129 | 101 | 67 | 582 | |
| 1934 | --- | --- | --- | --- | 94187 | 94187 | 511 | 0.031 | 2991 | 0.995 | 2974 | 574640 | 45971 | 0.32 | 142885 | 0.223 | 183955 | 316 | 246 | 162 | 582 | |
| 1935 | --- | --- | --- | --- | 105204 | 105204 | 1096 | 0.033 | 3605 | 0.990 | 3568 | 739740 | 59179 | 0.35 | 167341 | 0.272 | 229914 | 395 | 288 | 181 | 582 | |
| 1936 | --- | --- | --- | --- | 52257 | 52257 | 301 | 0.035 | 1905 | 0.994 | 1895 | 366580 | 29326 | 0.35 | 83310 | 0.227 | 107725 | 185 | 143 | 90 | 582 | |
| 1937 | --- | --- | --- | --- | 67667 | 67667 | 1473 | 0.037 | 2669 | 0.979 | 2612 | 483330 | 38666 | 0.35 | 108121 | 0.266 | 147308 | 253 | 186 | 116 | 582 | |
| 1938 | --- | --- | --- | --- | 71434 | 71434 | 1074 | 0.039 | 2971 | 0.985 | 2927 | 503030 | 40642 | 0.35 | 114402 | 0.256 | 153799 | 264 | 197 | 123 | 582 | |
| 1939 | --- | --- | --- | --- | 69637 | 69637 | 297 | 0.042 | 3031 | 0.996 | 3019 | 491110 | 39289 | 0.35 | 111777 | 0.284 | 156188 | 268 | 192 | 120 | 582 | |
| 1940 | --- | --- | --- | --- | 34214 | 34214 | 1536 | 0.044 | 1635 | 0.957 | 1565 | 251630 | 20130 | 0.35 | 55044 | 0.334 | 82675 | 142 | 95 | 59 | 582 | |
| 1941 | --- | --- | --- | --- | 24529 | 24529 | 1377 | 0.046 | 1247 | 0.947 | 1181 | 182760 | 14621 | 0.35 | 39553 | 0.366 | 62409 | 107 | 68 | 42 | 582 | |
| 1942 | --- | --- | --- | --- | 22937 | 22937 | 851 | 0.048 | 1202 | 0.964 | 1159 | 182600 | 13456 | 0.35 | 37070 | 0.314 | 54009 | 93 | 64 | 39 | 582 | |
| 1943 | --- | --- | --- | --- | 12079 | 12079 | 1269 | 0.050 | 707 | 0.905 | 640 | 94600 | 7568 | 0.35 | 19567 | 0.299 | 27921 | 48 | 34 | 21 | 582 | |
| 1944 | --- | --- | --- | --- | 39217 | 39217 | 1099 | 0.052 | 2233 | 0.973 | 2172 | 286390 | 22911 | 0.35 | 63676 | 0.294 | 90145 | 155 | 109 | 67 | 582 | |
| 1945 | --- | --- | --- | --- | 48149 | 48149 | 329 | 0.055 | 2803 | 0.993 | 2784 | 345160 | 27613 | 0.35 | 78359 | 0.278 | 108529 | 186 | 135 | 83 | 582 | |
| 1946 | --- | --- | --- | --- | 20927 | 20927 | 1222 | 0.057 | 1335 | 0.945 | 1261 | 158060 | 12645 | 0.35 | 34135 | 0.338 | 51587 | 89 | 59 | 36 | 582 | |
| 1947 | --- | --- | --- | --- | 31630 | 31630 | 2637 | 0.059 | 2150 | 0.923 | 1985 | 195090 | 15607 | 0.30 | 48021 | 0.375 | 76819 | 132 | 83 | 54 | 582 | |
| 1948 | --- | --- | --- | --- | 31133 | 31133 | 1808 | 0.046 | 1600 | 0.945 | 1512 | 185040 | 14803 | 0.30 | 46636 | 0.366 | 73599 | 126 | 80 | 53 | 582 | |
| 1949 | --- | --- | --- | --- | 27406 | 27406 | 736 | 0.047 | 1400 | 0.974 | 1363 | 158260 | 12661 | 0.30 | 41099 | 0.397 | 68192 | 117 | 71 | 47 | 582 | |
| 1950 | 8.2 | --- | --- | 7528 | 14272 | 10761 | 786 | 0.049 | 769 | 0.932 | 716 | 84790 | 6783 | 0.30 | 21071 | 0.394 | 34772 | 60 | 36 | 18 | 582 | |
| 1951 | 23.3 | --- | --- | 21389 | 20530 | 20564 | 2296 | 0.050 | 1195 | 0.900 | 1075 | 141300 | 11304 | 0.32 | 31777 | 0.461 | 58951 | 101 | 55 | 35 | 582 | |
| 1952 | 13.1 | --- | --- | 12026 | 33534 | 22557 | 698 | 0.051 | 1836 | 0.970 | 1781 | 193220 | 15458 | 0.30 | 49980 | 0.547 | 110310 | 190 | 86 | 39 | 582 | |
| 1953 | 15.9 | --- | --- | 14596 | 12981 | 13518 | 645 | 0.052 | 749 | 0.954 | 715 | 73390 | 5871 | 0.29 | 19324 | 0.740 | 74333 | 128 | 33 | 23 | 582 | |
| 1954 | 2.6 | --- | --- | 2387 | 14846 | 8572 | 423 | 0.053 | 859 | 0.953 | 819 | 86400 | 6912 | 0.30 | 21957 | 0.713 | 76499 | 131 | 38 | 15 | 582 | |
| 1955 | 6.1 | --- | --- | 5600 | 13054 | 9223 | 606 | 0.054 | 786 | 0.938 | 738 | 77390 | 6191 | 0.30 | 19365 | 0.691 | 62710 | 108 | 33 | 16 | 582 | |
| 1956 | 5.9 | --- | --- | 5416 | 20334 | 12775 | 267 | 0.056 | 1213 | 0.980 | 1188 | 116860 | 9349 | 0.30 | 30525 | 0.743 | 118877 | 204 | 52 | 22 | 582 | |
| 1957 | 3.1 | --- | --- | 2846 | --- | 2846 | 129 | 0.057 | 179 | 0.957 | 82 | 9540 | 763 | --- | 3658 | 0.786 | 17071 | 29 | 6 | 5 | 582 | |
| 1958 | 2.8 | --- | --- | 2570 | --- | 2570 | 1347 | 0.058 | 241 | 0.656 | 76 | 12900 | 1032 | --- | 3324 | 0.820 | 18507 | 32 | 6 | 4 | 582 | |
| 1959 | 9.0 | --- | --- | 8262 | --- | 8262 | 144 | 0.059 | 528 | 0.983 | 259 | 9900 | 792 | --- | 9299 | 0.724 | 33749 | 58 | 16 | 14 | 582 | |
| 1960 | 8.0 | --- | --- | 7344 | --- | 7344 | 1725 | 0.060 | 582 | 0.810 | 436 | 4410 | 353 | --- | 8065 | 0.698 | 26698 | 46 | 14 | 13 | 582 | |
| 1961 | 20.6 | --- | --- | 18911 | --- | 18911 | 1433 | 0.061 | 1333 | 0.930 | 983 | 11910 | 953 | --- | 20779 | 0.720 | 74294 | 128 | 36 | 32 | 582 | |
| 1962 | 23.1 | --- | --- | 21206 | --- | 21206 | 4084 | 0.063 | 1691 | 0.839 | 1134 | 0 | 0 | --- | 22340 | 0.670 | 67678 | 116 | 38 | 36 | 582 | |
| 1963 | 19.2 | --- | --- | 17626 | --- | 17626 | 6044 | 0.064 | 1614 | 0.745 | 723 | 0 | 0 | --- | 18349 | 0.796 | 89880 | 154 | 32 | 30 | 582 | |
| 1964 | 32.2 | --- | --- | 29560 | --- | 29560 | 13406 | 0.065 | 2987 | 0.688 | 1041 | 0 | 0 | --- | 30600 | 0.696 | 100684 | 173 | 53 | 51 | 582 | |
| 1965 | 11.9 | --- | --- | 10924 | --- | 10924 | 9077 | 0.066 | 1418 | 0.546 | 715 | 0 | 0 | --- | 11639 | 0.706 | 39553 | 68 | 20 | 19 | 582 | |
| 1966 | 16.0 | --- | --- | 14688 | --- | 14688 | 6527 | 0.067 | 1532 | 0.692 | 402 | 0 | 0 | --- | 15090 | 0.636 | 41459 | 71 | 26 | 25 | 582 | |
| 1967 | 31.8 | --- | --- | 29192 | --- | 29192 | 16556 | 0.069 | 3366 | 0.638 | 1866 | 0 | 0 | --- | 31058 | 0.731 | 115445 | 198 | 53 | 50 | 582 | |
| 1968 | 18.6 | --- | --- | 17075 | --- | 17075 | 8095 | 0.070 | 1886 | 0.678 | 1279 | 0 | 0 | --- | 18354 | 0.770 | 79898 | 137 | 32 | 29 | 582 | |
| 1969 | 7.5 | --- | --- | 6885 | --- | 6885 | 9223 | 0.129 | 2384 | 0.427 | 1019 | 0 | 0 | --- | 7904 | 0.698 | 26146 | 45 | 14 | 12 | 582 | |
| 1970 | 26.5 | --- | --- | 24327 | --- | 24327 | 11969 | 0.050 | 1921 | 0.670 | 1288 | 0 | 0 | --- | 25615 | 0.639 | 71021 | 122 | 44 | 42 | 582 | |
| 1971 | 25.5 | --- | --- | 23409 | --- | 23409 | 10895 | 0.055 | 1994 | 0.682 | 1361 | 0 | 0 | --- | 24770 | 0.812 | 131888 | 227 | 43 | 40 | 582 | |
| 1972 | 10.0 | --- | --- | 9180 | --- | 9180 | 8291 | 0.051 | 940 | 0.525 | 494 | 0 | 0 | --- | 9674 | 0.832 | 57700 | 99 | 17 | 16 | 582 | |
| 1973 | 30.6 | --- | --- | 28091 | --- | 28091 | 8304 | 0.042 | 1580 | 0.772 | 1219 | 0 | 0 | --- | 29310 | 0.810 | 154031 | 265 | 50 | 48 | 582 | |
| 1974 | 29.2 | --- | --- | 26806 | --- | 26806 | 9990 | 0.041 | 1569 | 0.729 | 1143 | 0 | 0 | --- | 27949 | 0.825 | 160036 | 275 | 48 | 46 | 582 | |
| 1975 | 15.9 | --- | --- | 14596 | --- | 14596 | 1433 | 0.048 | 809 | 0.911 | 737 | 0 | 0 | --- | 15333 | 0.801 | 77073 | 132 | 26 | 25 | 582 | |
| 1976 | 10.3 | --- | --- | 9455 | --- | 9455 | 24071 | 0.060 | 2138 | 0.282 | 603 | 0 | 0 | --- | 10058 | 0.892 | 93219 | 160 | 17 | 16 | 582 | |
| 1977 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1978 | 10.0 | --- | --- | 9180 | --- | 9180 | 2617 | 0.047 | 579 | 0.778 | 451 | 0 | 0 | --- | 9631 | 0.812 | 51224 | 88 | 17 | 16 | 582 | |
| 1979 | 9.7 | --- | --- | 8905 | --- | 8905 | 3930 | 0.024 | 312 | 0.694 | 216 | 0 | 0 | --- | 9121 | 0.778 | 41016 | 70 | 16 | 15 | 582 | |
| 1980 | 5.9 | --- | --- | 5416 | --- | 5416 | 6399 | 0.044 | 541 | 0.458 | 248 | 0 | 0 | --- | 5664 | 0.715 | 19878 | 34 | 10 | 9 | 582 | |
| 1981 | 17.7 | 24.9 | --- | 7420 | --- | 7420 | 2177 | 0.049 | 494 | 0.773 | 382 | 0 | 0 | --- | 7802 | 0.806 | 40240 | 69 | 13 | 13 | 582 | |
| 1982 | 16.7 | 29.0 | --- | 8642 | --- | 8642 | 2987 | 0.133 | 1789 | 0.743 | 1330 | 0 | 0 | --- | 9972 | 0.615 | 25868 | 44 | 17 | 15 | 582 | |
| 1983 | 2.3 | 3.9 | --- | 1162 | --- | 1162 | 2832 | 0.052 | 221 | 0.291 | 64 | 0 | 0 | --- | 1227 | 0.795 | 5979 | 10 | 2 | 2 | 582 | |
| 1984 | 16.7 | 24.5 | --- | 7301 | --- | 7301 | 10315 | 0.128 | 2597 | 0.414 | 1076 | 0 | 0 | --- | 8377 | 0.310 | 12147 | 21 | 14 | 13 | 582 | |