

Table 1. Summary of Trumpeter Swans from censuses during August-early September, by census unit in Alaska for 1968, 1975, 1980, 1985, 1990, 1995, 2000, and 2005.

| Unit | Year | White Swans | | | Total White | Cygnets | Total Swans |
|-----------------|------|-------------|------------|-----------|-------------|---------|-------------|
| | | in Pairs | as Singles | in Flocks | | | |
| 1 Gulf Coast | 1968 | 442 | 29 | 191 | 662 | 363 | 1,025 |
| | 1975 | 442 | 32 | 190 | 664 | 193 | 857 |
| | 1980 | 586 | 52 | 266 | 904 | 351 | 1,255 |
| | 1985 | 778 | 76 | 440 | 1,294 | 164 | 1,458 |
| | 1990 | 666 | 59 | 205 | 930 | 434 | 1,364 |
| | 1995 | 628 | 72 | 295 | 995 | 150 | 1,145 |
| | 2000 | 754 | 58 | 230 | 1,042 | 314 | 1,356 |
| | 2005 | 800 | 85 | 474 | 1,359 | 459 | 1,818 |
| 2 Copper Canyon | 1968 | 56 | 5 | 53 | 114 | 44 | 158 |
| | 1975 | 56 | 2 | 72 | 130 | 49 | 179 |
| | 1980 | 70 | 4 | 33 | 107 | 33 | 140 |
| | 1985 | 74 | 8 | 108 | 190 | 11 | 201 |
| | 1990 | 88 | 7 | 0 | 95 | 21 | 116 |
| | 1995 | 76 | 7 | 15 | 98 | 21 | 119 |
| | 2000 | 68 | 7 | 12 | 87 | 25 | 112 |
| | 2005 | 56 | 3 | 33 | 92 | 24 | 116 |
| 3 Gulkana | 1968 | 288 | 31 | 81 | 400 | 190 | 590 |
| | 1975 | 556 | 43 | 155 | 754 | 284 | 1,038 |
| | 1980 | 1,026 | 42 | 632 | 1,700 | 660 | 2,360 |
| | 1985 | 1,736 | 143 | 595 | 2,474 | 533 | 3,007 |
| | 1990 | 2,142 | 225 | 776 | 3,143 | 778 | 3,921 |
| | 1995 | 2,332 | 280 | 965 | 3,577 | 1,002 | 4,579 |
| | 2000 | 2,520 | 280 | 683 | 3,483 | 503 | 3,986 |
| | 2005 | 2,440 | 252 | 510 | 3,202 | 1,228 | 4,430 |
| 4 Kenai | 1968 | 86 | 3 | 27 | 116 | 65 | 181 |
| | 1975 | 72 | 5 | 29 | 106 | 39 | 145 |
| | 1980 | 90 | 12 | 8 | 110 | 65 | 175 |
| | 1985 | 92 | 5 | 40 | 137 | 51 | 188 |
| | 1990 | 114 | 5 | 7 | 126 | 78 | 204 |
| | 1995 | 130 | 11 | 29 | 170 | 79 | 249 |
| | 2000 | 200 | 15 | 34 | 249 | 105 | 354 |
| | 2005 | 282 | 20 | 91 | 393 | 172 | 565 |
| 5 Cook Inlet | 1968 | 224 | 19 | 50 | 293 | 124 | 417 |
| | 1975 | 340 | 36 | 60 | 436 | 181 | 617 |
| | 1980 | 608 | 38 | 186 | 832 | 369 | 1,201 |
| | 1985 | 800 | 66 | 454 | 1,320 | 241 | 1,561 |
| | 1990 | 904 | 79 | 162 | 1,145 | 516 | 1,661 |
| | 1995 | 838 | 91 | 269 | 1,198 | 330 | 1,528 |
| | 2000 | 938 | 57 | 219 | 1,214 | 331 | 1,545 |
| | 2005 | 1,470 | 196 | 310 | 1,976 | 694 | 2,670 |
| 6 Lower Tanana | 1968 | 224 | 21 | 94 | 339 | 137 | 476 |
| | 1975 | 518 | 21 | 185 | 724 | 388 | 1,112 |
| | 1980 | 746 | 16 | 585 | 1,347 | 773 | 2,120 |
| | 1985 | 1,202 | 113 | 426 | 1,741 | 503 | 2,244 |
| | 1990 | 2,070 | 179 | 559 | 2,808 | 1,072 | 3,880 |
| | 1995 | 2,268 | 219 | 987 | 3,474 | 1,315 | 4,789 |
| | 2000 | 2,788 | 227 | 1,026 | 4,041 | 901 | 4,942 |
| | 2005 | 3,054 | 305 | 1,040 | 4,399 | 1,786 | 6,185 |

Table 1 continued. Summary of Trumpeter Swans from censuses during August-early September, by census unit in Alaska for 1968, 1975, 1980, 1985, 1990, 1995, and 2005.

| Unit | Year | White Swans | | | Total White | Cygnet | Total Swans |
|------------------|------|-------------|---------------|--------------|----------------|--------|----------------|
| | | in Pairs | as Singles | in Flocks | | | |
| 7 Kuskokwim | 1968 | -- | -- | -- | -- | -- | -- |
| | 1975 | 20 | 6 | 4 | 30 | 7 | 37 |
| | 1980 | 60 | 0 | 22 | 82 | 63 | 145 |
| | 1985 | 122 | 0 | 62 | 184 | 55 | 239 |
| | 1990 | 386 | 21 | 141 | 548 | 233 | 781 |
| | 1995 | 454 | 42 | 134 | 630 | 248 | 878 |
| | 2000 | 662 | 40 | 177 | 879 | 226 | 1,105 |
| | 2005 | 1,016 | 69 | 338 | 1,423 | 535 | 1,958 |
| 8 Koyukuk | 1968 | -- | -- | -- | -- | -- | -- |
| | 1975 | 94 | 6 | 45 | 145 | 35 | 180 |
| | 1980 | 124 | 4 | 27 | 155 | 104 | 259 |
| | 1985 | 206 | 23 | 29 | 258 | 45 | 303 |
| | 1990 | 366 | 40 | 86 | 492 | 133 | 625 |
| | 1995 | 524 | 56 | 158 | 738 | 228 | 966 |
| | 2000 | 772 | 80 | 162 | 1,014 | 248 | 1,262 |
| | 2005 | 950 | 104 | 467 | 1,521 | 460 | 1,981 |
| 9 Yukon Flats | 1968 | -- | -- | -- | -- | -- | -- |
| | 1975 | 2 | 0 | 0 | 2 | 1 | 3 |
| | 1980 | 2 | 0 | 0 | 2 | 4 | 6 |
| | 1985 | 10 | 0 | 0 | 10 | 3 | 13 |
| | 1990 | 66 | 8 | 22 | 96 | 56 | 152 |
| | 1995 | 200 | 26 | 107 | 333 | 90 | 423 |
| | 2000 | 412 | 35 | 173 | 620 | 129 | 749 |
| | 2005 | 632 | 40 | 374 | 1,046 | 324 | 1,370 |
| 10 S.E. Mainland | 1968 | -- | -- | -- | -- | -- | -- |
| | 1975 | 2 | 0 | 0 | 2 | 0 | 2 |
| | 1980 | 6 | 0 | 3 | 9 | 11 | 20 |
| | 1985 | 16 | 1 | 7 | 24 | 16 | 40 |
| | 1990 | 34 | 1 | 23 | 58 | 50 | 108 |
| | 1995 | 58 | 2 | 18 | 78 | 61 | 139 |
| | 2000 | 64 | 4 | 24 | 92 | 70 | 162 |
| | 2005 | 76 | 10 | 56 | 142 | 70 | 212 |
| 11 Upper Tanana | 1968 | -- | -- | -- | -- | -- | -- |
| | 1975 | -- | -- | -- | -- | -- | -- |
| | 1980 | 6 | 1 | 4 | 11 | 4 | 15 |
| | 1985 | 84 | 14 | 43 | 141 | 64 | 205 |
| | 1990 | 220 | 23 | 58 | 301 | 224 | 525 |
| | 1995 | 438 | 53 | 207 | 698 | 310 | 1,008 |
| | 2000 | 808 | 96 | 309 | 1,213 | 369 | 1,582 |
| | 2005 | 1,164 | 73 | 455 | 1,692 | 695 | 2,387 |
| Total | 1968 | 1,320 | 108 | 496 | 1,924 | 923 | 2,847 |
| | 1975 | 2,102 | 151 | 740 | 2,993 | 1,177 | 4,170 |
| | 1980 | 3,324 | 169 | 1,766 | 5,259 | 2,437 | 7,696 |
| | 1985 | 5,120 | 449 | 2,204 | 7,773 | 1,686 | 9,459 |
| | 1990 | 7,056 | 647 | 2,039 | 9,742 | 3,595 | 13,337 |
| | 1995 | 7,946 | 859 | 3,184 | 11,989 | 3,834 | 15,823 |
| | 2000 | 9,986 | 899 | 3,049 | 13,934 | 3,221 | 17,155 |
| | 2005 | 11,940 | 1,157 | 4,148 | 17,245 | 6,447 | 23,692 |

Table 2. Summary of Trumpeter Swan production from censuses during August-early September, by census unit in Alaska for 1968, 1975, 1980, 1985, 1990, 1995, 2000, and 2005.

| Unit | Year | Number of Cygnets | Number of Broods | Average Brood Size | Percent Juvenile | Number of Pairs | Percent Pairs w/ Broods |
|-----------------|------|-------------------|------------------|--------------------|------------------|-----------------|-------------------------|
| 1 Gulf Coast | 1968 | 363 | 93 | 3.9 | 35 | 221 | 41 |
| | 1975 | 193 | 61 | 3.2 | 23 | 221 | 27 |
| | 1980 | 351 | 99 | 3.5 | 28 | 293 | 33 |
| | 1985 | 164 | 57 | 2.9 | 11 | 389 | 14 |
| | 1990 | 434 | 125 | 3.5 | 32 | 333 | 37 |
| | 1995 | 150 | 57 | 2.6 | 13 | 314 | 18 |
| | 2000 | 314 | 99 | 3.2 | 23 | 377 | 25 |
| | 2005 | 459 | 141 | 3.3 | 25 | 400 | 35 |
| 2 Copper Canyon | 1968 | 44 | 13 | 3.4 | 28 | 28 | 39 |
| | 1975 | 49 | 16 | 3.1 | 27 | 28 | 57 |
| | 1980 | 33 | 10 | 3.3 | 24 | 35 | 29 |
| | 1985 | 11 | 3 | 3.7 | 5 | 37 | 8 |
| | 1990 | 21 | 9 | 2.3 | 18 | 44 | 20 |
| | 1995 | 21 | 7 | 3.0 | 18 | 38 | 18 |
| | 2000 | 25 | 7 | 3.6 | 22 | 34 | 21 |
| | 2005 | 24 | 7 | 3.4 | 21 | 28 | 21 |
| 3 Gulkana | 1968 | 190 | 52 | 3.7 | 32 | 144 | 36 |
| | 1975 | 284 | 93 | 3.1 | 27 | 278 | 33 |
| | 1980 | 660 | 194 | 3.4 | 28 | 513 | 36 |
| | 1985 | 533 | 191 | 2.8 | 18 | 868 | 22 |
| | 1990 | 778 | 276 | 2.8 | 20 | 1,071 | 25 |
| | 1995 | 1,002 | 310 | 3.2 | 22 | 1,166 | 26 |
| | 2000 | 503 | 187 | 2.7 | 13 | 1,260 | 14 |
| | 2005 | 1,228 | 393 | 3.1 | 28 | 1,220 | 31 |
| 4 Kenai | 1968 | 65 | 21 | 3.1 | 36 | 43 | 49 |
| | 1975 | 39 | 15 | 2.6 | 27 | 36 | 42 |
| | 1980 | 65 | 19 | 3.4 | 37 | 45 | 42 |
| | 1985 | 51 | 16 | 3.2 | 27 | 46 | 35 |
| | 1990 | 78 | 23 | 3.4 | 38 | 57 | 40 |
| | 1995 | 79 | 29 | 2.7 | 32 | 65 | 42 |
| | 2000 | 105 | 35 | 3.0 | 30 | 100 | 34 |
| | 2005 | 172 | 52 | 3.3 | 30 | 141 | 36 |
| 5 Cook Inlet | 1968 | 124 | 36 | 3.4 | 30 | 112 | 29 |
| | 1975 | 181 | 61 | 3.0 | 29 | 170 | 36 |
| | 1980 | 369 | 103 | 3.6 | 31 | 304 | 34 |
| | 1985 | 241 | 85 | 2.8 | 15 | 400 | 21 |
| | 1990 | 516 | 157 | 3.3 | 31 | 452 | 34 |
| | 1995 | 330 | 107 | 3.1 | 22 | 419 | 25 |
| | 2000 | 331 | 105 | 3.2 | 21 | 469 | 22 |
| | 2005 | 694 | 216 | 3.2 | 26 | 735 | 28 |
| 6 Lower Tanana | 1968 | 137 | 42 | 3.3 | 29 | 112 | 33 |
| | 1975 | 388 | 112 | 3.5 | 35 | 259 | 42 |
| | 1980 | 773 | 202 | 3.8 | 36 | 373 | 54 |
| | 1985 | 503 | 179 | 2.8 | 22 | 601 | 29 |
| | 1990 | 1,072 | 336 | 3.2 | 28 | 1,035 | 32 |
| | 1995 | 1,315 | 426 | 3.1 | 27 | 1,134 | 37 |
| | 2000 | 901 | 340 | 2.7 | 18 | 1,394 | 24 |
| | 2005 | 1,786 | 607 | 2.9 | 29 | 1,527 | 39 |

Table 2 continued. Summary of Trumpeter Swan production from censuses during August-early September, by census unit in Alaska for 1968, 1975, 1980, 1985, 1990, 1995, 2000, and 2005.

| Unit | Year | Number of Cygnets | Number of Broods | Average Brood Size | Percent Juvenile | Number of Pairs | Percent Pairs w/ Broods |
|------------------|------|-------------------------|------------------------|--------------------------|---------------------|-----------------------|-------------------------------|
| 7 Kuskokwim | 1968 | -- | -- | -- | -- | -- | -- |
| | 1975 | 7 | 3 | 2.3 | 19 | 10 | 30 |
| | 1980 | 63 | 16 | 3.9 | 43 | 30 | 53 |
| | 1985 | 55 | 18 | 3.1 | 23 | 61 | 30 |
| | 1990 | 233 | 68 | 3.4 | 30 | 193 | 34 |
| | 1995 | 248 | 71 | 3.5 | 28 | 227 | 30 |
| | 2000 | 226 | 81 | 2.8 | 20 | 331 | 24 |
| | 2005 | 535 | 186 | 2.9 | 27 | 508 | 35 |
| 8 Koyukuk | 1968 | -- | -- | -- | -- | -- | -- |
| | 1975 | 35 | 16 | 2.2 | 19 | 47 | 34 |
| | 1980 | 104 | 36 | 2.9 | 40 | 62 | 55 |
| | 1985 | 45 | 16 | 2.8 | 15 | 103 | 13 |
| | 1990 | 133 | 50 | 2.7 | 21 | 183 | 26 |
| | 1995 | 228 | 85 | 2.7 | 24 | 262 | 31 |
| | 2000 | 248 | 104 | 2.4 | 20 | 386 | 26 |
| | 2005 | 460 | 163 | 2.8 | 23 | 475 | 33 |
| 9 Yukon Flats | 1968 | -- | -- | -- | -- | -- | -- |
| | 1975 | 1 | 1 | 1.0 | 33 | 1 | 100 |
| | 1980 | 4 | 1 | 4.0 | 67 | 1 | 100 |
| | 1985 | 3 | 1 | 3.0 | 23 | 5 | 20 |
| | 1990 | 56 | 18 | 3.1 | 37 | 33 | 55 |
| | 1995 | 90 | 25 | 3.6 | 21 | 100 | 25 |
| | 2000 | 129 | 51 | 2.5 | 17 | 206 | 25 |
| | 2005 | 324 | 103 | 3.1 | 24 | 316 | 32 |
| 10 S.E. Mainland | 1968 | -- | -- | -- | -- | -- | -- |
| | 1975 | 0 | 0 | -- | -- | 1 | -- |
| | 1980 | 11 | 2 | 5.5 | 55 | 3 | 67 |
| | 1985 | 16 | 3 | 5.3 | 40 | 8 | 38 |
| | 1990 | 50 | 10 | 5.0 | 46 | 17 | 59 |
| | 1995 | 61 | 19 | 3.2 | 44 | 29 | 66 |
| | 2000 | 70 | 22 | 3.2 | 43 | 32 | 69 |
| | 2005 | 70 | 22 | 3.2 | 33 | 38 | 50 |
| 11 Upper Tanana | 1968 | -- | -- | -- | -- | -- | -- |
| | 1975 | -- | -- | -- | -- | -- | -- |
| | 1980 | 4 | 1 | 4.0 | 27 | 3 | 33 |
| | 1985 | 64 | 19 | 3.4 | 31 | 42 | 45 |
| | 1990 | 224 | 53 | 4.2 | 43 | 110 | 48 |
| | 1995 | 310 | 82 | 3.8 | 31 | 219 | 37 |
| | 2000 | 369 | 118 | 3.1 | 23 | 404 | 28 |
| | 2005 | 695 | 194 | 3.6 | 29 | 582 | 33 |
| Total | 1968 | 923 | 257 | 3.6 | 32 | 660 | 37 |
| | 1975 | 1,177 | 378 | 3.1 | 28 | 1,051 | 35 |
| | 1980 | 2,437 | 683 | 3.6 | 32 | 1,662 | 40 |
| | 1985 | 1,686 | 588 | 2.9 | 18 | 2,560 | 23 |
| | 1990 | 3,595 | 1,125 | 3.2 | 27 | 3,528 | 31 |
| | 1995 | 3,834 | 1,218 | 3.1 | 24 | 3,973 | 30 |
| | 2000 | 3,221 | 1,149 | 2.8 | 19 | 4,993 | 22 |
| | 2005 | 6,447 | 2,084 | 3.1 | 27 | 5,970 | 34 |
| Average | | | | 3.2 | 26 | | 32 |

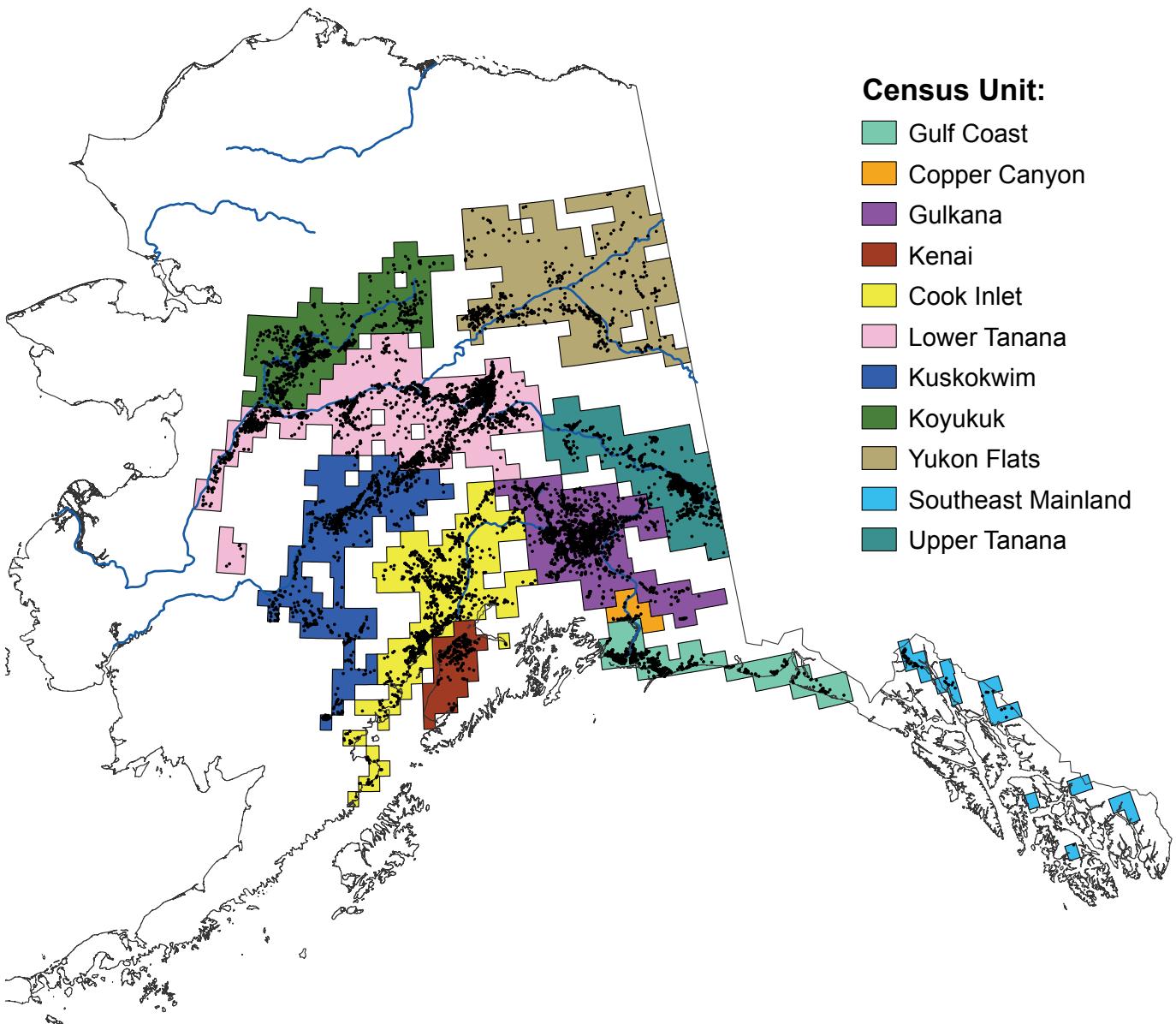


Figure 1. Trumpeter Swan summering areas in Alaska within 780 USGS 1:63,360 maps censused in 2005. Each of the 7787 points represents a swan observation.

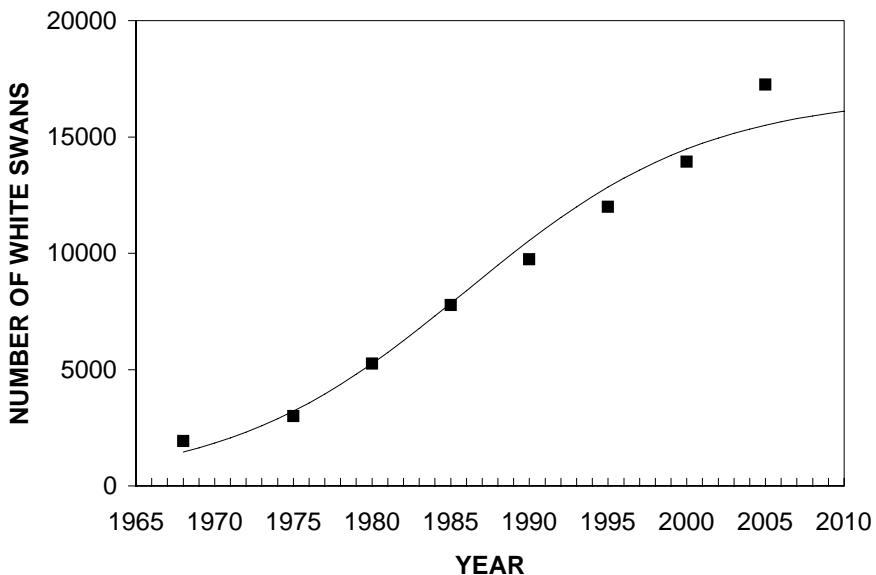


Figure 2. Numbers of white phase Trumpeter Swans with a fitted growth curve, from statewide summer censuses in 1968, 1975, 1980, 1985, 1990, 1995, 2000, and 2005.

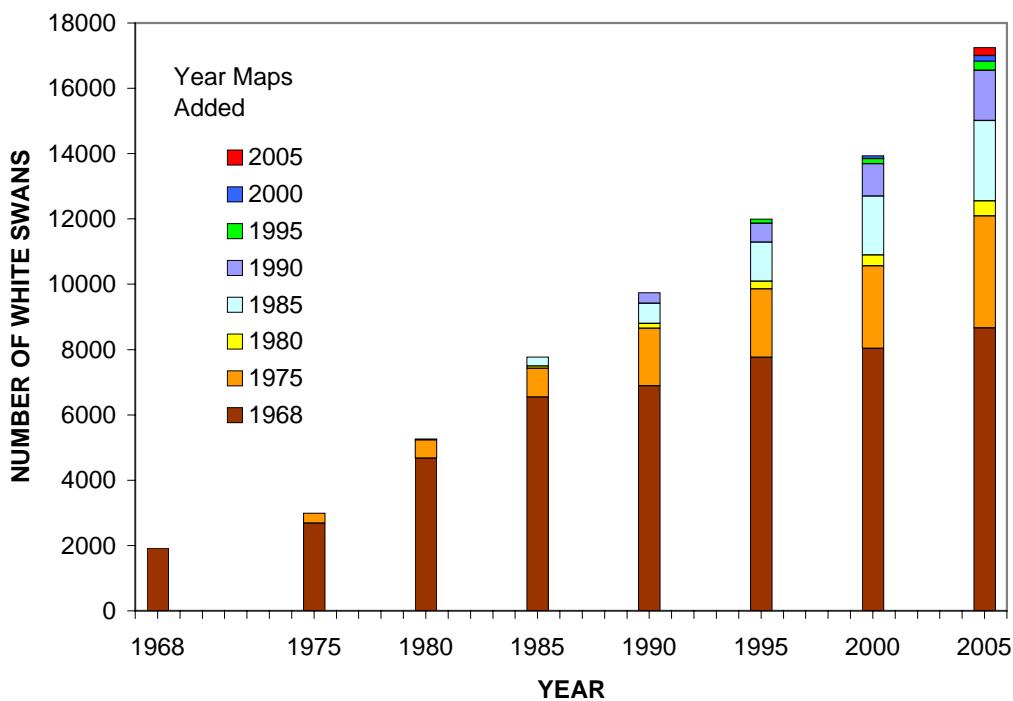


Figure 3. Growth in the number of white-phase Trumpeter Swans, 1968-2005. The survey area was expanded each census year with the addition of new maps. The number of swans recorded on these maps in succeeding years are represented by individual colors.

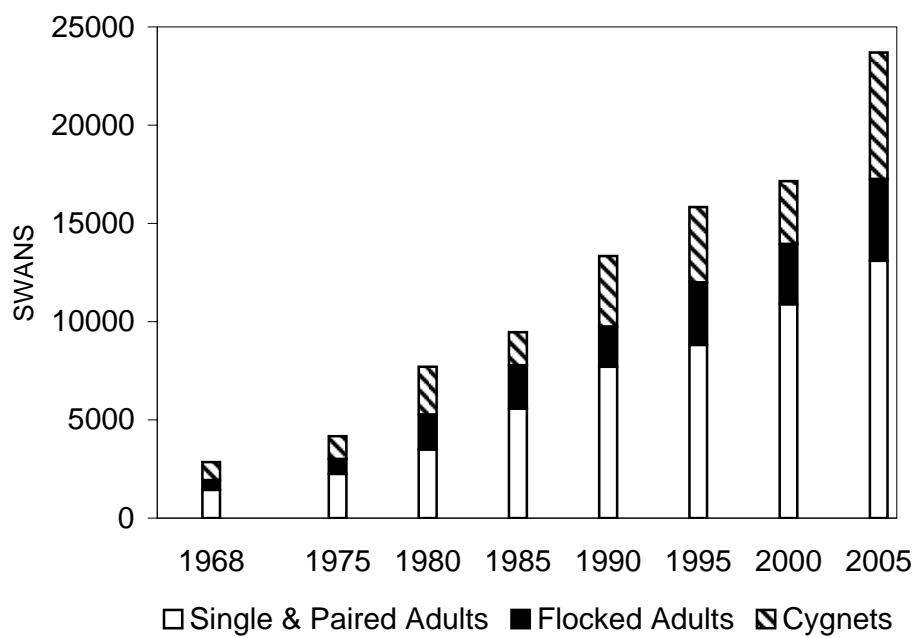


Figure 4. The numbers of Trumpeter Swans recorded in Alaska during state-wide summer censuses for 1968, 1975, 1980, 1985, 1990, 1995, 2000, and 2005.

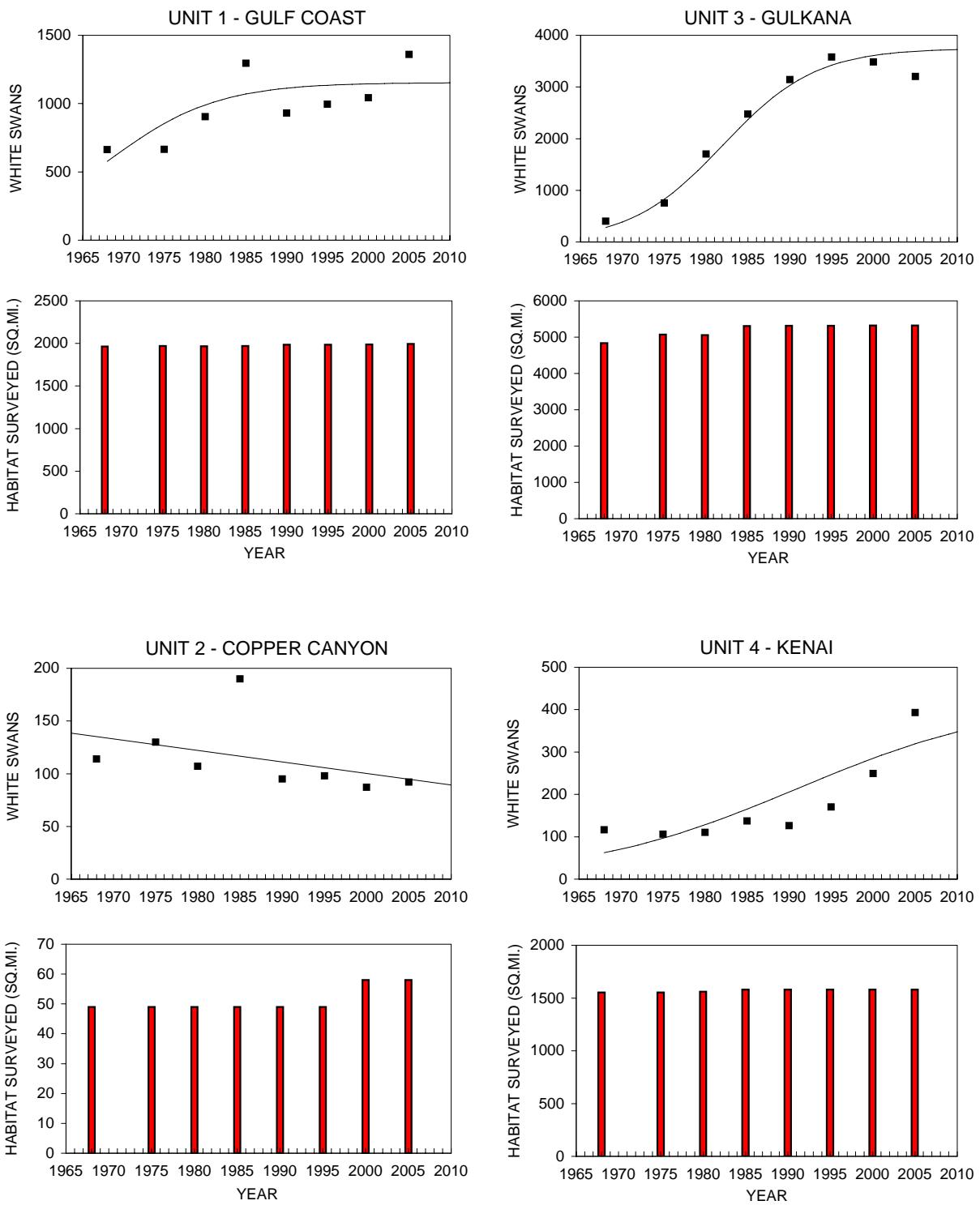


Figure 5. Numbers of white phase Trumpeter Swans recorded by unit with fitted growth curves and compared to the amount of habitat (sq. mi.) censused in 1968, 1975, 1980, 1985, 1990, 1995, 2000, and 2005.

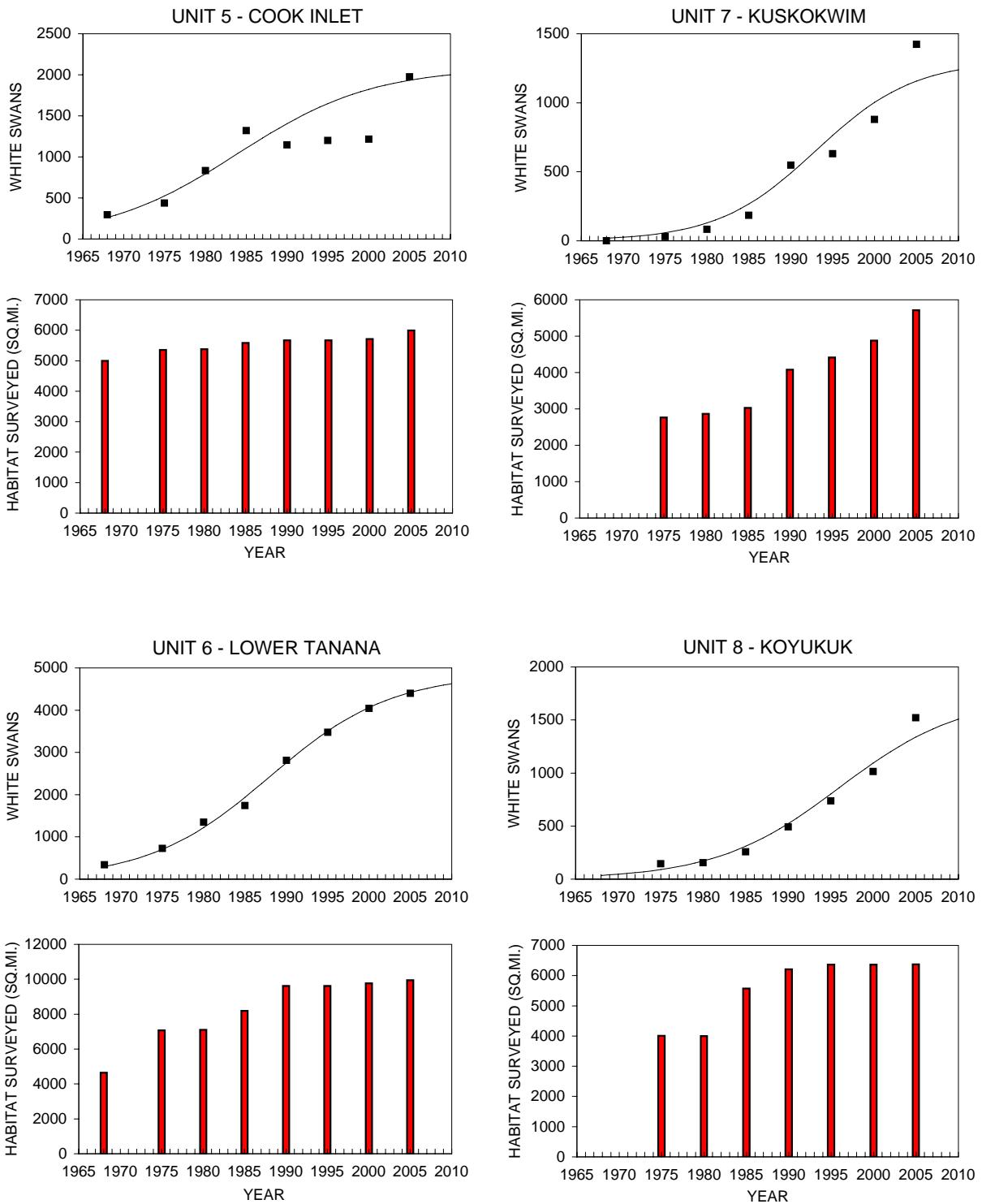


Figure 5 continued. Numbers of white phase Trumpeter Swans recorded by unit (5-8) with fitted growth curves and compared to the amount of habitat (sq. mi.) censused in 1968, 1975, 1980, 1985, 1990, 1995, 2000, and 2005.

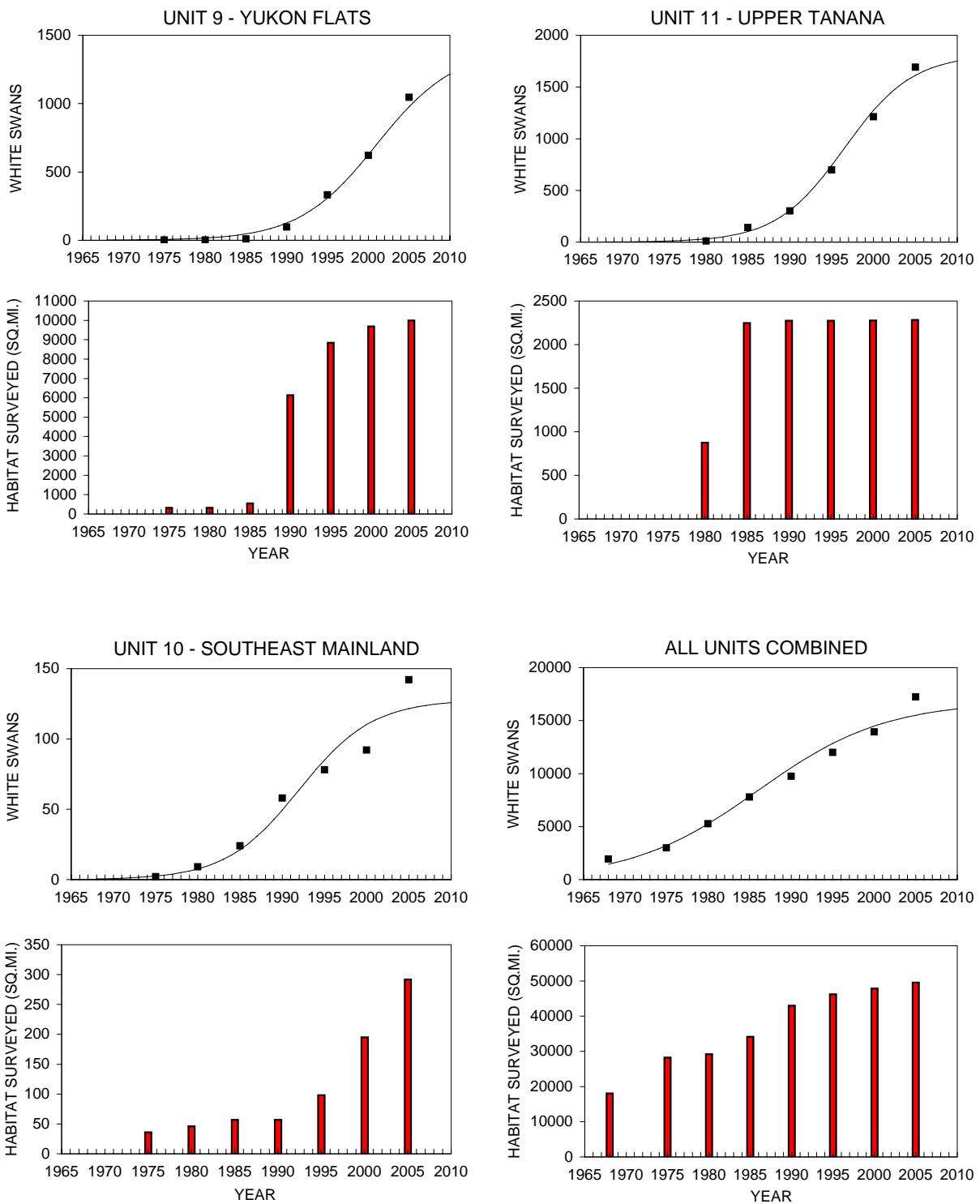


Figure 5 continued. Numbers of white phase Trumpeter Swans recorded by unit (9-11) and for all units combined with fitted growth curves and compared to the amount of habitat (sq. mi.) censused in 1968, 1975, 1980, 1985, 1990, 1995, 2000, and 2005.