**Appendix F.** Estimated numbers of adult murres wintering in each area of interest (see Appendix C), and their composition in terms of breeding origin (see also Fig. 4). Estimates are based on the proportional distribution of winter positions of birds tagged in each breeding area, and estimates of breeding population size (see Appendix D).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Area of interest | Breeding area | | | | | | | | | |
| Arctic Canada | Atlantic Canada | Hudson Bay | NW Greenland | SW Greenland | Iceland | Spitsbergen | Bjørnøya | Mainland Norway | Total |
| Hudson Bay | 8554 | 0 | 166,731 | 470 | 0 | 0 | 0 | 0 | 0 | 175,755 |
| Labrador Shelf | 240,573 | 120 | 555,899 | 41,829 | 269 | 0 | 22,310 | 0 | 0 | 861,001 |
| Newfoundland Shelf | 176,938 | 8229 | 274,662 | 189,046 | 1751 | 0 | 40,902 | 304 | 0 | 691,833 |
| Gulf of St Lawrence | 475 | 1069 | 1934 | 33,888 | 0 | 0 | 620 | 0 | 0 | 37,986 |
| Scotian Shelf | 3168 | 432 | 0 | 7199 | 0 | 0 | 0 | 0 | 0 | 10,798 |
| Northeast U.S. Continental Shelf | 14,104 | 299 | 0 | 403 | 0 | 0 | 3099 | 0 | 0 | 17,905 |
| Central West Greenland Shelf | 86,229 | 0 | 8124 | 47,019 | 3673 | 218,810 | 156,172 | 0 | 0 | 520,027 |
| South West Greenland Shelf | 2173 | 0 | 387 | 1212 | 6612 | 42,844 | 238,596 | 0 | 0 | 291,824 |
| East Greenland Shelf | 0 | 7 | 0 | 1843 | 285 | 35,703 | 107,213 | 0 | 218 | 145,270 |
| Iceland Shelf | 0 | 0 | 0 | 944 | 0 | 51,515 | 232,399 | 73,320 | 53 | 358,230 |
| Faroe Plateau | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1825 | 0 | 1825 |
| North Sea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1217 | 0 | 1217 |
| Barents Sea | 0 | 0 | 0 | 0 | 0 | 0 | 19,212 | 11,865 | 5913 | 36,989 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9735 | 45 | 9780 |
| 2 | 0 | 0 | 0 | 0 | 0 | 1020 | 9916 | 27,077 | 160 | 38,172 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3099 | 35,595 | 207 | 38,901 |
| 4 | 0 | 0 | 0 | 0 | 0 | 26,522 | 37,184 | 25,556 | 323 | 89,585 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 22,930 | 6997 | 0 | 29,927 |
| 6 | 0 | 0 | 0 | 309 | 0 | 20,912 | 28,508 | 6085 | 64 | 55,877 |
| 7 | 0 | 0 | 0 | 833 | 0 | 31,113 | 30,367 | 19,167 | 0 | 81,479 |
| 8 | 0 | 0 | 0 | 1095 | 0 | 7141 | 17,972 | 304 | 10 | 26,522 |
| 9 | 15,733 | 166 | 4255 | 9133 | 0 | 0 | 620 | 913 | 0 | 30,820 |
| 10 | 54,174 | 976 | 7737 | 37,041 | 101 | 2550 | 1859 | 1521 | 0 | 105,960 |
| 11 | 12,672 | 133 | 0 | 4374 | 838 | 36,723 | 74,987 | 5476 | 7 | 135,212 |
| 12 | 17,019 | 1222 | 3868 | 22,357 | 0 | 0 | 1859 | 1217 | 0 | 47,542 |
| 13 | 157,911 | 3381 | 254,932 | 142,117 | 4589 | 35,193 | 89,241 | 304 | 0 | 687,668 |
| 14 | 171,028 | 126 | 201,161 | 35,718 | 7740 | 139,243 | 313,583 | 0 | 0 | 868,598 |
| 15 | 4435 | 173 | 0 | 5973 | 0 | 0 | 1239 | 1217 | 0 | 13,038 |
| 16 | 114,812 | 20 | 520,309 | 42,225 | 1590 | 10,711 | 16,113 | 304 | 0 | 706,085 |
| Total | 1,080,000 | 16,352 | 2,000,000 | 625,026 | 27,448 | 660,000 | 1,470,000 | 230,000 | 7000 | 6,115,826 |