| **Label** | **Model 22.1** | **Model 22.2** | **Model 22.3** | **Model 22.4** | **Ensemble** |
| --- | --- | --- | --- | --- | --- |
| Number\_parameters | 346.000 | 304.000 | 308.000 | 305.000 |  |
| TOTAL\_like | 10,779.700 | 10,875.300 | 10,874.200 | 10,916.600 |  |
| Survey\_like | -95.205 | -5.956 | -5.703 | -41.630 |  |
| Length\_comp\_like | 9,950.940 | 9,990.460 | 9,989.690 | 10,058.500 |  |
| Age\_comp\_like | 809.631 | 817.846 | 817.250 | 818.604 |  |
| Parm\_priors\_like | 0.000 | 0.000 | 0.000 | 0.000 |  |
| Recr\_Virgin\_millions | 460.835 | 516.934 | 508.173 | 554.271 |  |
| SR\_LN(R0) | 13.041 | 13.156 | 13.139 | 13.225 | 13.131 |
| SR\_BH\_steep | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| NatM\_uniform\_Fem\_GP\_1 | 0.333 | 0.347 | 0.345 | 0.351 | 0.343 |
| L\_at\_Amax\_Fem\_GP\_1 | 114.768 | 112.387 | 113.007 | 112.786 | 113.274 |
| VonBert\_K\_Fem\_GP\_1 | 0.110 | 0.115 | 0.113 | 0.110 | 0.112 |
| SSB\_Virgin\_thousand\_mt | 1,385.400 | 1,353.320 | 1,359.630 | 1,367.960 | 1,336.764 |
| Bratio\_2021 | 0.380 | 0.404 | 0.398 | 0.374 | 0.391 |
| SPRratio\_2020 | 0.583 | 0.556 | 0.562 | 0.564 | 0.566 |
| Q | 1.030 | 0.960 | 0.971 | 0.892 | -0.031 |
| SSB\_unfished | 1.362 | 1.323 | 1.330 | 1.330 | 1,336,763.790 |
| ann\_F\_MSY | 0.304 | 0.326 | 0.322 | 0.335 | 0.320 |
| ForeCatch\_2023 | 127,755.000 | 152,783.000 | 147,835.000 | 154,758.000 | 144,857.000 |
| ForeCatch\_2024 | 127,728.000 | 144,694.000 | 142,025.000 | 150,221.000 | 140,185.000 |