|  | **Thompson Ensemble** | | **New Ensemble** | |
| --- | --- | --- | --- | --- |
| **Label** | **Est.** | **Stdev.** | **Est.** | **Stdev.** |
| NatM\_uniform\_Fem\_GP\_1 | 0.347 | 0.020 | 0.343 | 0.014 |
| L\_at\_Amin\_Fem\_GP\_1 | 15.143 | 0.450 | 15.137 | 0.444 |
| L\_at\_Amax\_Fem\_GP\_1 | 121.411 | 15.858 | 113.274 | 3.211 |
| VonBert\_K\_Fem\_GP\_1 | 0.100 | 0.024 | 0.112 | 0.009 |
| Richards\_Fem\_GP\_1 | 1.519 | 0.074 | 1.482 | 0.043 |
| SD\_young\_Fem\_GP\_1 | 3.528 | 0.070 | 3.522 | 0.070 |
| SD\_old\_Fem\_GP\_1 | 10.379 | 1.224 | 9.880 | 0.407 |
| AgeKeyParm2\_BLK2delta\_1977 | 0.346 | 0.017 | 0.347 | 0.019 |
| AgeKeyParm3\_BLK2delta\_1977 | 0.922 | 0.226 | 0.870 | 0.241 |
| SR\_LN(R0) | 13.142 | 0.152 | 13.131 | 0.120 |
| SR\_regime\_BLK1add\_1976 | -0.883 | 0.222 | -0.932 | 0.192 |
| Early\_InitAge\_20 | -0.013 | 0.656 | -0.018 | 0.658 |
| Early\_InitAge\_19 | -0.007 | 0.660 | -0.010 | 0.658 |
| Early\_InitAge\_18 | -0.012 | 0.659 | -0.015 | 0.654 |
| Early\_InitAge\_17 | -0.018 | 0.658 | -0.023 | 0.652 |
| Early\_InitAge\_16 | -0.028 | 0.654 | -0.035 | 0.652 |
| Early\_InitAge\_15 | -0.043 | 0.649 | -0.052 | 0.650 |
| Early\_InitAge\_14 | -0.065 | 0.642 | -0.078 | 0.637 |
| Early\_InitAge\_13 | -0.098 | 0.633 | -0.114 | 0.630 |
| Early\_InitAge\_12 | -0.146 | 0.620 | -0.164 | 0.617 |
| Early\_InitAge\_11 | -0.212 | 0.604 | -0.229 | 0.601 |
| Early\_InitAge\_10 | -0.297 | 0.588 | -0.312 | 0.585 |
| Early\_InitAge\_9 | -0.400 | 0.569 | -0.409 | 0.564 |
| Early\_InitAge\_8 | -0.512 | 0.550 | -0.514 | 0.548 |
| Early\_InitAge\_7 | -0.617 | 0.529 | -0.611 | 0.531 |
| Early\_InitAge\_6 | -0.677 | 0.518 | -0.667 | 0.517 |
| Early\_InitAge\_5 | -0.617 | 0.516 | -0.601 | 0.513 |
| Early\_InitAge\_4 | -0.296 | 0.524 | -0.276 | 0.524 |
| Early\_InitAge\_3 | 0.182 | 0.484 | 0.201 | 0.484 |
| Early\_InitAge\_2 | 0.152 | 0.530 | 0.177 | 0.534 |
| Early\_InitAge\_1 | 0.625 | 0.573 | 0.658 | 0.587 |
| Main\_RecrDev\_1977 | 1.032 | 0.223 | 1.039 | 0.219 |
| Main\_RecrDev\_1978 | 0.582 | 0.236 | 0.556 | 0.242 |
| Main\_RecrDev\_1979 | 0.675 | 0.112 | 0.663 | 0.112 |
| Main\_RecrDev\_1980 | -0.811 | 0.209 | -0.864 | 0.216 |
| Main\_RecrDev\_1981 | -0.742 | 0.143 | -0.741 | 0.144 |
| Main\_RecrDev\_1982 | 0.934 | 0.050 | 0.939 | 0.050 |
| Main\_RecrDev\_1983 | -0.544 | 0.169 | -0.555 | 0.168 |
| Main\_RecrDev\_1984 | 0.842 | 0.054 | 0.852 | 0.054 |
| Main\_RecrDev\_1985 | 0.018 | 0.085 | 0.022 | 0.085 |
| Main\_RecrDev\_1986 | -0.574 | 0.106 | -0.582 | 0.108 |
| Main\_RecrDev\_1987 | -1.712 | 0.216 | -1.718 | 0.219 |
| Main\_RecrDev\_1988 | -0.290 | 0.086 | -0.268 | 0.086 |
| Main\_RecrDev\_1989 | 0.390 | 0.060 | 0.420 | 0.060 |
| Main\_RecrDev\_1990 | 0.385 | 0.066 | 0.403 | 0.067 |
| Main\_RecrDev\_1991 | -0.081 | 0.095 | -0.068 | 0.096 |
| Main\_RecrDev\_1992 | 0.833 | 0.066 | 0.847 | 0.066 |
| Main\_RecrDev\_1993 | -0.155 | 0.076 | -0.187 | 0.080 |
| Main\_RecrDev\_1994 | -0.312 | 0.078 | -0.328 | 0.077 |
| Main\_RecrDev\_1995 | -0.426 | 0.082 | -0.430 | 0.085 |
| Main\_RecrDev\_1996 | 0.775 | 0.047 | 0.789 | 0.043 |
| Main\_RecrDev\_1997 | -0.145 | 0.084 | -0.148 | 0.080 |
| Main\_RecrDev\_1998 | -0.328 | 0.095 | -0.356 | 0.098 |
| Main\_RecrDev\_1999 | 0.545 | 0.049 | 0.535 | 0.051 |
| Main\_RecrDev\_2000 | 0.252 | 0.053 | 0.255 | 0.054 |
| Main\_RecrDev\_2001 | -0.679 | 0.110 | -0.735 | 0.117 |
| Main\_RecrDev\_2002 | -0.112 | 0.088 | -0.096 | 0.087 |
| Main\_RecrDev\_2003 | -0.264 | 0.088 | -0.270 | 0.088 |
| Main\_RecrDev\_2004 | -0.572 | 0.092 | -0.577 | 0.089 |
| Main\_RecrDev\_2005 | -0.313 | 0.091 | -0.259 | 0.087 |
| Main\_RecrDev\_2006 | 0.721 | 0.061 | 0.698 | 0.060 |
| Main\_RecrDev\_2007 | -0.245 | 0.100 | -0.174 | 0.098 |
| Main\_RecrDev\_2008 | 1.110 | 0.053 | 1.063 | 0.054 |
| Main\_RecrDev\_2009 | -0.782 | 0.164 | -0.738 | 0.153 |
| Main\_RecrDev\_2010 | 0.609 | 0.068 | 0.609 | 0.071 |
| Main\_RecrDev\_2011 | 0.933 | 0.060 | 0.908 | 0.064 |
| Main\_RecrDev\_2012 | 0.120 | 0.100 | 0.215 | 0.093 |
| Main\_RecrDev\_2013 | 1.111 | 0.053 | 1.060 | 0.055 |
| Main\_RecrDev\_2014 | -0.626 | 0.132 | -0.657 | 0.130 |
| Main\_RecrDev\_2015 | -0.234 | 0.088 | -0.275 | 0.085 |
| Main\_RecrDev\_2016 | -0.623 | 0.110 | -0.664 | 0.109 |
| Main\_RecrDev\_2017 | -0.973 | 0.177 | -0.802 | 0.174 |
| Main\_RecrDev\_2018 | 0.710 | 0.059 | 0.688 | 0.061 |
| Main\_RecrDev\_2019 | -0.895 | 0.183 | -0.932 | 0.191 |
| Main\_RecrDev\_2020 | -0.140 | 0.119 | -0.137 | 0.119 |
| InitF\_seas\_1\_flt\_1Fishery | 0.110 | 0.037 | 0.125 | 0.039 |
| LnQ\_base\_Survey(2) | -0.023 | 0.097 | -0.031 | 0.081 |
| Size\_DblN\_peak\_Fishery(1) | 74.456 | 1.117 | 74.970 | 0.360 |
| Size\_DblN\_top\_logit\_Fishery(1) | -9.287 |  | -8.602 |  |
| Size\_DblN\_ascend\_se\_Fishery(1) | 6.032 | 0.057 | 6.058 | 0.035 |
| Size\_DblN\_descend\_se\_Fishery(1) | -0.142 |  | -9.192 |  |
| Size\_DblN\_end\_logit\_Fishery(1) | -0.052 | 3.077 | 1.801 | 0.278 |
| Size\_DblN\_peak\_Survey(2) | 20.937 | 0.846 | 21.065 | 0.795 |
| Size\_DblN\_ascend\_se\_Survey(2) | 3.516 | 0.159 | 3.554 | 0.151 |
| ln(DM\_theta)\_Age\_P3 | -0.093 | 0.262 | -0.480 | 0.183 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1977 | 0.537 | 0.949 | 0.499 | 0.928 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1978 | -0.003 | 0.945 | 0.014 | 0.948 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1979 | 0.234 | 0.952 | 0.271 | 0.953 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1980 | 0.084 | 0.904 | 0.083 | 0.901 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1981 | -1.097 | 0.376 | -1.105 | 0.374 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1982 | -1.020 | 0.240 | -1.012 | 0.241 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1983 | 0.601 | 0.599 | 0.646 | 0.591 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1984 | 0.029 | 0.212 | 0.053 | 0.208 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1985 | -1.626 | 0.340 | -1.607 | 0.340 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1986 | -0.045 | 0.231 | 0.008 | 0.229 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1987 | -0.617 | 0.387 | -0.567 | 0.379 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1988 | -0.971 | 0.365 | -0.972 | 0.366 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1989 | -0.826 | 0.241 | -0.831 | 0.244 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1990 | -0.259 | 0.278 | -0.218 | 0.273 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1991 | 0.134 | 0.222 | 0.168 | 0.222 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1992 | -0.043 | 0.204 | -0.023 | 0.203 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1993 | 0.369 | 0.313 | 0.399 | 0.312 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1994 | -0.390 | 0.257 | -0.328 | 0.255 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1995 | -0.419 | 0.321 | -0.410 | 0.321 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1996 | -0.250 | 0.240 | -0.198 | 0.237 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1997 | -0.616 | 0.532 | -0.296 | 0.286 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1998 | -0.874 | 0.284 | -0.817 | 0.272 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1999 | -1.276 | 0.233 | -1.249 | 0.233 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2000 | 0.597 | 0.222 | 0.603 | 0.218 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2001 | 0.120 | 0.246 | 0.195 | 0.246 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2002 | 0.453 | 0.215 | 0.479 | 0.216 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2003 | 0.063 | 0.264 | 0.081 | 0.265 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2004 | 1.074 | 0.228 | 1.101 | 0.224 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2005 | -0.318 | 0.249 | -0.385 | 0.248 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2006 | -0.454 | 0.199 | -0.443 | 0.200 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2007 | -1.134 | 0.275 | -1.255 | 0.273 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2008 | -1.124 | 0.223 | -1.088 | 0.220 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2009 | -0.887 | 0.358 | -0.935 | 0.365 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2010 | 0.134 | 0.203 | 0.149 | 0.200 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2011 | -1.205 | 0.244 | -1.186 | 0.247 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2012 | 0.147 | 0.302 | 0.060 | 0.297 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2013 | -0.399 | 0.213 | -0.378 | 0.213 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2014 | 0.038 | 0.374 | -0.062 | 0.388 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2015 | 1.303 | 0.203 | 1.297 | 0.206 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2016 | 1.443 | 0.308 | 1.414 | 0.314 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2017 | 1.391 | 0.254 | 1.303 | 0.254 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2018 | 2.030 | 0.188 | 2.004 | 0.188 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2019 | 0.605 | 0.995 | 0.058 | 1.089 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2020 | 1.189 | 0.226 | 1.179 | 0.223 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2021 | 0.441 | 0.233 | 0.448 | 0.232 |
| L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2022 | 2.834 | 0.274 | 2.852 | 0.269 |