WHOM\_SS\_OM2.2\_MP5.20\_1000\_23

Date: 05-Jul-2020 20.46

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.53 | 1.46 | 1.40 | 1.34 | 1.29 | 1.24 | 1.19 |
| MT | 1.97 | 1.71 | 1.50 | 1.34 | 1.22 | 1.11 | 1.03 |
| LT | 2.27 | 1.83 | 1.55 | 1.35 | 1.21 | 1.11 | 1.02 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.72 | 1.64 | 1.56 | 1.49 | 1.43 | 1.37 | 1.32 |
| MT | 2.24 | 1.95 | 1.71 | 1.53 | 1.38 | 1.27 | 1.18 |
| LT | 2.60 | 2.12 | 1.78 | 1.54 | 1.37 | 1.25 | 1.16 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.92 | 1.82 | 1.73 | 1.65 | 1.59 | 1.53 | 1.47 |
| MT | 2.61 | 2.26 | 1.99 | 1.77 | 1.59 | 1.45 | 1.36 |
| LT | 3.09 | 2.52 | 2.09 | 1.79 | 1.59 | 1.44 | 1.33 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 37 | 69 | 96 | 119 | 138 | 153 |
| MT | 0 | 50 | 82 | 101 | 111 | 117 | 118 |
| LT | 0 | 55 | 85 | 102 | 110 | 115 | 119 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 47 | 87 | 121 | 151 | 174 | 194 |
| MT | 0 | 60 | 101 | 129 | 146 | 156 | 161 |
| LT | 0 | 65 | 104 | 126 | 139 | 148 | 153 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 57 | 105 | 146 | 180 | 210 | 235 |
| MT | 0 | 71 | 122 | 158 | 184 | 199 | 206 |
| LT | 0 | 78 | 127 | 156 | 173 | 183 | 191 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.25 | 0.25 | 0.26 | 0.27 | 0.28 | 0.29 |
| MT | NA | 0.22 | 0.23 | 0.25 | 0.29 | 0.33 | 0.40 |
| LT | NA | 0.23 | 0.26 | 0.32 | 0.42 | 0.52 | 0.59 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.40 | 0.42 | 0.43 | 0.44 | 0.48 | 0.51 |
| MT | NA | 0.31 | 0.35 | 0.39 | 0.49 | 0.62 | 0.71 |
| LT | NA | 0.31 | 0.39 | 0.53 | 0.65 | 0.75 | 0.83 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.87 | 0.91 | 0.94 | 0.96 | 0.98 | 1.00 |
| MT | NA | 0.51 | 0.65 | 0.80 | 0.93 | 1.03 | 1.11 |
| LT | NA | 0.45 | 0.65 | 0.80 | 0.89 | 1.00 | 1.06 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.020 | 0.038 | 0.056 | 0.072 | 0.087 | 0.100 |
| MT | 0 | 0.022 | 0.042 | 0.058 | 0.070 | 0.081 | 0.088 |
| LT | 0 | 0.023 | 0.043 | 0.059 | 0.071 | 0.081 | 0.090 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.023 | 0.045 | 0.066 | 0.086 | 0.105 | 0.123 |
| MT | 0 | 0.024 | 0.048 | 0.069 | 0.087 | 0.102 | 0.113 |
| LT | 0 | 0.025 | 0.047 | 0.067 | 0.084 | 0.097 | 0.108 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.026 | 0.051 | 0.076 | 0.100 | 0.123 | 0.144 |
| MT | 0 | 0.027 | 0.052 | 0.077 | 0.099 | 0.118 | 0.135 |
| LT | 0 | 0.026 | 0.051 | 0.074 | 0.093 | 0.110 | 0.124 |

Risk (Type3) to Blim (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.9 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.7 | 5.2 |
| LT | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 | 3.6 | 8.5 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 5.3 | 5.9 | 7.3 | 9.7 | 13.5 | 19.3 | 26.4 |
| MT | 0.0 | 0.3 | 1.8 | 8.3 | 21.1 | 35.6 | 49.1 |
| LT | 0.0 | 0.2 | 2.8 | 11.3 | 25.3 | 40.6 | 53.0 |

Extinction Risk (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MT | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LT | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Settings used

| **class** | **desc** | **value** |
| --- | --- | --- |
| OM | code | OM2.2 |
| OM | desc | WGWIDE19 |
| OM | IM |  |
| OM | SRR | SRR.WG19.SegReg\_Blim.exterm |
| OM | RecAR | TRUE |
| OM | maxRecRes1 | 3 |
| OM | maxRecRes2 | -3 |
| OM | BioYrs1 | 2008 |
| OM | BioYrs2 | 2017 |
| OM | BioConst | FALSE |
| OM | SelYrs1 | 2008 |
| OM | SelYrs2 | 2017 |
| OM | SelConst | FALSE |
| OM | Obs |  |
| OM | refPts.Fpa | 0.074 |
| OM | refPts.Flim | 0.103 |
| OM | refPts.Fmsy | 0.074 |
| OM | refPts.Bpa | 1168272 |
| OM | refPts.Blim | 834480 |
| OM | refPts.MSYBtrigger | 1168272 |
| OM | refPts.Bloss | 761613 |
| OM | pBlim | 0.05 |
| MP | code | MP5.20 |
| MP | desc | Double BP HCR |
| MP | xlab | Double BP |
| MP | HCRName | DoubleBP |
| MP | F\_target1 | 0 |
| MP | F\_target2 | 0.025 |
| MP | F\_target3 | 0.05 |
| MP | F\_target4 | 0.075 |
| MP | F\_target5 | 0.1 |
| MP | F\_target6 | 0.125 |
| MP | F\_target7 | 0.15 |
| MP | B\_trigger | MSYBtrigger |
| MP | minTAC |  |
| MP | maxTAC |  |
| MP | TAC\_IAV |  |
| MP | Obs.cvF | 0.22 |
| MP | Obs.phiF | 0.03 |
| MP | Obs.cvSSB | 0.36 |
| MP | Obs.phiSSB | 0.51 |
| OTHER | niters | 1000 |
| OTHER | nyr | 23 |
| OTHER | CU | 2018-2020 |
| OTHER | ST | 2021-2025 |
| OTHER | MT | 2026-2030 |
| OTHER | LT | 2031-2040 |
| OTHER | flstock | WGWIDE19.RData |
| OTHER | flstock\_sim | MSE\_WGWIDE19\_FLStocks\_15PG.RData |