WHOM\_SS3\_OM2.2\_MP5.23b\_1000\_23

Date: 08-Feb-2021 17.19

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.2 | 1.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 |
| MT | 1.6 | 1.5 | 1.4 | 1.2 | 1.1 | 1.1 | 1.0 |
| LT | 2.0 | 1.7 | 1.4 | 1.3 | 1.2 | 1.1 | 1.0 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.4 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 1.2 |
| MT | 1.9 | 1.7 | 1.5 | 1.4 | 1.3 | 1.2 | 1.2 |
| LT | 2.3 | 1.9 | 1.6 | 1.5 | 1.3 | 1.2 | 1.2 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.5 | 1.5 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 |
| MT | 2.1 | 2.0 | 1.8 | 1.7 | 1.5 | 1.4 | 1.4 |
| LT | 2.7 | 2.3 | 1.9 | 1.7 | 1.6 | 1.5 | 1.4 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 20 | 36 | 53 | 67 | 78 | 90 |
| MT | 0 | 31 | 53 | 68 | 81 | 89 | 94 |
| LT | 0 | 45 | 68 | 79 | 85 | 91 | 95 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 33 | 59 | 82 | 101 | 115 | 128 |
| MT | 0 | 46 | 78 | 97 | 114 | 125 | 134 |
| LT | 0 | 57 | 91 | 107 | 117 | 123 | 128 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 33 | 50 | 82 | 110 | 131 | 146 | 150 |
| MT | 0 | 58 | 100 | 132 | 152 | 168 | 181 |
| LT | 0 | 70 | 116 | 141 | 157 | 162 | 165 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.37 | 0.17 | 0.17 | 0.18 | 0.20 | 0.20 | 0.20 |
| MT | 0.89 | 0.14 | 0.15 | 0.17 | 0.18 | 0.20 | 0.21 |
| LT | 1.42 | 0.14 | 0.15 | 0.17 | 0.20 | 0.24 | 0.27 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.0 | 0.24 | 0.24 | 0.27 | 0.29 | 0.31 | 0.32 |
| MT | 1.6 | 0.19 | 0.20 | 0.20 | 0.26 | 0.30 | 0.34 |
| LT | 2.0 | 0.16 | 0.19 | 0.24 | 0.30 | 0.39 | 0.43 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.8 | 0.52 | 0.55 | 0.57 | 0.60 | 0.60 | 0.62 |
| MT | 2.7 | 0.23 | 0.29 | 0.37 | 0.48 | 0.56 | 0.62 |
| LT | 3.3 | 0.21 | 0.29 | 0.41 | 0.51 | 0.57 | 0.62 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.011 | 0.022 | 0.032 | 0.042 | 0.051 | 0.058 |
| MT | 0 | 0.014 | 0.027 | 0.036 | 0.045 | 0.054 | 0.060 |
| LT | 0 | 0.019 | 0.034 | 0.044 | 0.051 | 0.059 | 0.065 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.018 | 0.033 | 0.049 | 0.060 | 0.069 | 0.076 |
| MT | 0 | 0.020 | 0.039 | 0.053 | 0.065 | 0.075 | 0.085 |
| LT | 0 | 0.023 | 0.042 | 0.055 | 0.066 | 0.075 | 0.081 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.017 | 0.026 | 0.044 | 0.061 | 0.074 | 0.084 | 0.092 |
| MT | 0.000 | 0.024 | 0.046 | 0.066 | 0.085 | 0.099 | 0.112 |
| LT | 0.000 | 0.025 | 0.048 | 0.066 | 0.082 | 0.093 | 0.101 |

Risk (Type3) to Blim (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 2.2 | 2.2 | 2.3 | 2.6 | 2.9 | 3.5 | 4.0 |
| MT | 0.0 | 0.0 | 0.0 | 0.4 | 1.7 | 3.9 | 7.4 |
| LT | 0.0 | 0.0 | 0.0 | 0.7 | 2.7 | 6.0 | 10.4 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 27.4 | 29.1 | 32.3 | 37 | 42 | 46 | 50 |
| MT | 1.1 | 2.9 | 8.0 | 18 | 30 | 41 | 51 |
| LT | 0.1 | 1.5 | 6.9 | 18 | 31 | 42 | 53 |

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 | MP5.23b |
| MP | desc | Double BP HCR |
| MP | xlab | Double BP IAVBtrig |
| 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\_IAV1 | 0.2 |
| MP | TAC\_IAV2 | 0.2 |
| MP | Obs.cvF | 0.212 |
| MP | Obs.phiF | 0.423 |
| MP | Obs.cvSSB | 0.28 |
| MP | Obs.phiSSB | 0.58 |
| 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\_1k15PG.RData |