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

Date: 08-Feb-2021 17.14

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.2 | 1.2 | 1.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| MT | 1.6 | 1.5 | 1.4 | 1.3 | 1.2 | 1.1 | 1.0 |
| LT | 2.0 | 1.7 | 1.5 | 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 | 1.6 | 1.5 | 1.4 | 1.3 | 1.2 |
| LT | 2.3 | 2.0 | 1.7 | 1.5 | 1.4 | 1.3 | 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 | 1.4 | 1.4 |
| MT | 2.2 | 2.0 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 |
| LT | 2.7 | 2.3 | 2.0 | 1.8 | 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 | 18 | 33 | 47 | 60 | 71 | 80 |
| MT | 0 | 27 | 47 | 63 | 75 | 84 | 91 |
| LT | 0 | 40 | 62 | 75 | 82 | 89 | 94 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 30 | 53 | 72 | 90 | 105 | 118 |
| MT | 0 | 41 | 69 | 88 | 102 | 116 | 126 |
| LT | 0 | 55 | 87 | 104 | 111 | 120 | 124 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 24 | 47 | 76 | 104 | 124 | 140 | 150 |
| MT | 0 | 54 | 93 | 121 | 141 | 158 | 172 |
| LT | 0 | 68 | 112 | 136 | 151 | 157 | 161 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.47 | 0.19 | 0.19 | 0.20 | 0.20 | 0.20 | 0.20 |
| MT | 1.00 | 0.17 | 0.18 | 0.19 | 0.20 | 0.20 | 0.21 |
| LT | 1.49 | 0.16 | 0.17 | 0.19 | 0.22 | 0.25 | 0.27 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.0 | 0.28 | 0.28 | 0.29 | 0.31 | 0.32 | 0.32 |
| MT | 1.6 | 0.20 | 0.20 | 0.24 | 0.28 | 0.31 | 0.33 |
| LT | 2.1 | 0.18 | 0.22 | 0.26 | 0.31 | 0.38 | 0.43 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.7 | 0.56 | 0.59 | 0.60 | 0.62 | 0.64 | 0.65 |
| MT | 2.7 | 0.28 | 0.33 | 0.43 | 0.50 | 0.58 | 0.62 |
| LT | 3.3 | 0.25 | 0.34 | 0.44 | 0.51 | 0.58 | 0.61 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.010 | 0.019 | 0.028 | 0.037 | 0.045 | 0.052 |
| MT | 0 | 0.011 | 0.021 | 0.031 | 0.040 | 0.048 | 0.055 |
| LT | 0 | 0.017 | 0.030 | 0.039 | 0.047 | 0.054 | 0.061 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.017 | 0.030 | 0.042 | 0.053 | 0.063 | 0.070 |
| MT | 0 | 0.018 | 0.034 | 0.047 | 0.058 | 0.068 | 0.077 |
| LT | 0 | 0.021 | 0.039 | 0.051 | 0.061 | 0.071 | 0.078 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.016 | 0.025 | 0.042 | 0.058 | 0.071 | 0.081 | 0.089 |
| MT | 0.000 | 0.023 | 0.043 | 0.062 | 0.080 | 0.094 | 0.105 |
| LT | 0.000 | 0.024 | 0.046 | 0.063 | 0.076 | 0.088 | 0.095 |

Risk (Type3) to Blim (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 2.2 | 2.3 | 2.3 | 2.5 | 2.9 | 3.4 | 3.9 |
| MT | 0.0 | 0.0 | 0.1 | 0.2 | 1.1 | 3.0 | 5.9 |
| LT | 0.0 | 0.0 | 0.0 | 0.5 | 2.0 | 5.0 | 9.1 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 27.7 | 29.1 | 32.0 | 36 | 41 | 44 | 47 |
| MT | 1.2 | 2.8 | 6.8 | 16 | 25 | 35 | 44 |
| LT | 0.1 | 1.2 | 5.5 | 14 | 26 | 37 | 47 |

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 | MP5.23 |
| 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 | 0.22 |
| 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\_1k15PG.RData |