WHOM\_SS3\_OM2.2\_MP5.21\_1000\_23

Date: 10-Jul-2020 13.55

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.15 | 1.15 | 1.12 | 1.09 | 1.05 | 1.03 | 1.00 |
| MT | 1.41 | 1.40 | 1.29 | 1.17 | 1.07 | 0.99 | 0.92 |
| LT | 1.59 | 1.56 | 1.34 | 1.18 | 1.07 | 0.99 | 0.92 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.31 | 1.31 | 1.27 | 1.23 | 1.18 | 1.14 | 1.11 |
| MT | 1.64 | 1.62 | 1.46 | 1.32 | 1.21 | 1.12 | 1.05 |
| LT | 1.91 | 1.83 | 1.55 | 1.36 | 1.23 | 1.13 | 1.05 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.47 | 1.46 | 1.41 | 1.36 | 1.32 | 1.27 | 1.24 |
| MT | 1.93 | 1.89 | 1.68 | 1.52 | 1.39 | 1.30 | 1.22 |
| LT | 2.31 | 2.19 | 1.84 | 1.59 | 1.42 | 1.30 | 1.21 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 50 | 63 | 79 | 92 | 106 | 118 |
| MT | 50 | 52 | 74 | 90 | 100 | 103 | 104 |
| LT | 50 | 55 | 79 | 93 | 101 | 104 | 106 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 51 | 75 | 100 | 121 | 139 | 154 |
| MT | 50 | 56 | 90 | 114 | 128 | 135 | 141 |
| LT | 50 | 62 | 97 | 118 | 128 | 136 | 138 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 55 | 90 | 123 | 151 | 174 | 193 |
| MT | 50 | 65 | 109 | 141 | 163 | 178 | 186 |
| LT | 50 | 74 | 118 | 144 | 159 | 170 | 175 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.00 | 0.19 | 0.27 | 0.31 | 0.34 | 0.36 |
| MT | 0 | 0.05 | 0.21 | 0.25 | 0.28 | 0.31 | 0.36 |
| LT | 0 | 0.11 | 0.24 | 0.30 | 0.38 | 0.44 | 0.49 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.04 | 0.29 | 0.42 | 0.53 | 0.62 | 0.69 |
| MT | 0 | 0.13 | 0.29 | 0.39 | 0.49 | 0.59 | 0.66 |
| LT | 0 | 0.18 | 0.31 | 0.40 | 0.50 | 0.59 | 0.66 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.13 | 0.42 | 0.61 | 0.77 | 0.92 | 1.02 |
| MT | 0 | 0.22 | 0.42 | 0.57 | 0.73 | 0.86 | 0.99 |
| LT | 0 | 0.25 | 0.38 | 0.52 | 0.67 | 0.80 | 0.89 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.025 | 0.027 | 0.039 | 0.051 | 0.062 | 0.072 | 0.082 |
| MT | 0.019 | 0.025 | 0.042 | 0.055 | 0.065 | 0.073 | 0.078 |
| LT | 0.016 | 0.025 | 0.043 | 0.057 | 0.068 | 0.076 | 0.083 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.028 | 0.029 | 0.044 | 0.061 | 0.076 | 0.090 | 0.104 |
| MT | 0.023 | 0.027 | 0.046 | 0.065 | 0.079 | 0.092 | 0.101 |
| LT | 0.020 | 0.026 | 0.047 | 0.064 | 0.079 | 0.090 | 0.099 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.032 | 0.033 | 0.049 | 0.070 | 0.090 | 0.109 | 0.126 |
| MT | 0.027 | 0.029 | 0.051 | 0.073 | 0.093 | 0.110 | 0.123 |
| LT | 0.024 | 0.028 | 0.050 | 0.071 | 0.089 | 0.103 | 0.114 |

Risk (Type3) to Blim (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 2.7 | 2.7 | 2.8 | 3.1 | 3.8 | 4.7 | 6.5 |
| MT | 0.4 | 0.4 | 0.5 | 1.2 | 3.9 | 8.7 | 15.4 |
| LT | 0.2 | 0.2 | 0.5 | 2.2 | 5.9 | 12.0 | 19.7 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 33.4 | 33.4 | 36.2 | 42.3 | 49.5 | 56.6 | 63.3 |
| MT | 8.6 | 8.8 | 14.8 | 27.6 | 43.3 | 57.7 | 67.9 |
| LT | 4.7 | 4.9 | 11.9 | 27.2 | 44.0 | 57.6 | 68.4 |

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 | MP5.21 |
| 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 | 50000 |
| 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\_1k15PG.RData |