WHOM\_SS3\_OM2.2\_MP5.20\_1000\_23

Date: 10-Jul-2020 13.52

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.24 | 1.19 | 1.14 | 1.10 | 1.07 | 1.03 | 1.00 |
| MT | 1.69 | 1.49 | 1.32 | 1.19 | 1.08 | 1.00 | 0.93 |
| LT | 2.00 | 1.63 | 1.38 | 1.21 | 1.09 | 1.01 | 0.93 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.40 | 1.34 | 1.29 | 1.23 | 1.19 | 1.15 | 1.11 |
| MT | 1.92 | 1.69 | 1.49 | 1.35 | 1.23 | 1.14 | 1.06 |
| LT | 2.32 | 1.87 | 1.58 | 1.38 | 1.24 | 1.14 | 1.06 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.56 | 1.48 | 1.42 | 1.37 | 1.32 | 1.28 | 1.24 |
| MT | 2.22 | 1.94 | 1.71 | 1.54 | 1.40 | 1.31 | 1.22 |
| LT | 2.73 | 2.22 | 1.86 | 1.60 | 1.43 | 1.30 | 1.22 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 28 | 51 | 71 | 88 | 103 | 116 |
| MT | 0 | 43 | 71 | 88 | 97 | 102 | 102 |
| LT | 0 | 49 | 76 | 91 | 99 | 103 | 105 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 38 | 71 | 97 | 119 | 137 | 153 |
| MT | 0 | 53 | 90 | 114 | 129 | 135 | 141 |
| LT | 0 | 60 | 96 | 117 | 129 | 135 | 137 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 47 | 88 | 121 | 149 | 173 | 193 |
| MT | 0 | 65 | 110 | 143 | 164 | 178 | 186 |
| LT | 0 | 74 | 118 | 144 | 159 | 169 | 175 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.33 | 0.35 | 0.36 | 0.38 | 0.40 | 0.41 |
| MT | NA | 0.23 | 0.26 | 0.28 | 0.34 | 0.39 | 0.45 |
| LT | NA | 0.25 | 0.29 | 0.39 | 0.52 | 0.59 | 0.64 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.70 | 0.75 | 0.77 | 0.78 | 0.79 | 0.81 |
| MT | NA | 0.35 | 0.42 | 0.51 | 0.66 | 0.75 | 0.83 |
| LT | NA | 0.34 | 0.48 | 0.65 | 0.74 | 0.83 | 0.87 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 1.22 | 1.23 | 1.24 | 1.23 | 1.24 | 1.24 |
| MT | NA | 0.66 | 0.84 | 0.99 | 1.08 | 1.13 | 1.19 |
| LT | NA | 0.58 | 0.76 | 0.90 | 0.99 | 1.07 | 1.11 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.016 | 0.031 | 0.045 | 0.057 | 0.069 | 0.079 |
| MT | 0 | 0.021 | 0.038 | 0.052 | 0.063 | 0.071 | 0.076 |
| LT | 0 | 0.022 | 0.040 | 0.054 | 0.065 | 0.074 | 0.080 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.020 | 0.040 | 0.058 | 0.074 | 0.089 | 0.103 |
| MT | 0 | 0.024 | 0.045 | 0.064 | 0.078 | 0.090 | 0.100 |
| LT | 0 | 0.024 | 0.046 | 0.063 | 0.077 | 0.088 | 0.097 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.024 | 0.047 | 0.069 | 0.089 | 0.108 | 0.125 |
| MT | 0 | 0.026 | 0.051 | 0.073 | 0.093 | 0.109 | 0.123 |
| LT | 0 | 0.026 | 0.050 | 0.071 | 0.088 | 0.101 | 0.113 |

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 | 2.4 | 2.7 | 3.3 | 4.3 | 6.0 |
| MT | 0.0 | 0.0 | 0.1 | 0.6 | 3.0 | 7.5 | 14.0 |
| LT | 0.0 | 0.0 | 0.0 | 1.0 | 4.3 | 9.7 | 17.2 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 25.8 | 28.7 | 33.0 | 40.2 | 47.9 | 55.8 | 62.8 |
| MT | 0.9 | 3.2 | 11.0 | 24.5 | 40.8 | 55.7 | 67.1 |
| LT | 0.1 | 1.8 | 8.9 | 23.9 | 41.5 | 55.9 | 67.2 |

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\_1k15PG.RData |