WHOM\_SAM\_OM2.3\_MP5.20\_1000\_23

Date: 10-Jul-2020 17.21

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.24 | 1.17 | 1.11 | 1.06 | 1.01 | 0.97 | 0.93 |
| MT | 1.67 | 1.42 | 1.23 | 1.09 | 0.97 | 0.88 | 0.81 |
| LT | 1.98 | 1.54 | 1.25 | 1.06 | 0.94 | 0.85 | 0.79 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.50 | 1.41 | 1.33 | 1.26 | 1.21 | 1.15 | 1.11 |
| MT | 2.04 | 1.75 | 1.50 | 1.30 | 1.15 | 1.04 | 0.95 |
| LT | 2.38 | 1.87 | 1.52 | 1.29 | 1.12 | 1.01 | 0.92 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.81 | 1.71 | 1.62 | 1.53 | 1.45 | 1.38 | 1.32 |
| MT | 2.52 | 2.14 | 1.83 | 1.61 | 1.42 | 1.27 | 1.15 |
| LT | 2.89 | 2.28 | 1.85 | 1.56 | 1.36 | 1.20 | 1.10 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 34 | 64 | 89 | 111 | 129 | 144 |
| MT | 0 | 51 | 84 | 105 | 115 | 122 | 122 |
| LT | 0 | 58 | 87 | 101 | 109 | 113 | 114 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 45 | 84 | 117 | 145 | 168 | 188 |
| MT | 0 | 64 | 107 | 135 | 152 | 161 | 164 |
| LT | 0 | 71 | 108 | 130 | 141 | 147 | 151 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 56 | 105 | 147 | 183 | 213 | 240 |
| MT | 0 | 79 | 133 | 168 | 191 | 208 | 216 |
| LT | 0 | 87 | 135 | 163 | 180 | 188 | 195 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.24 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| MT | NA | 0.20 | 0.20 | 0.21 | 0.23 | 0.25 | 0.28 |
| LT | NA | 0.22 | 0.24 | 0.26 | 0.29 | 0.35 | 0.44 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.37 |
| MT | NA | 0.28 | 0.29 | 0.30 | 0.32 | 0.38 | 0.46 |
| LT | NA | 0.27 | 0.30 | 0.36 | 0.50 | 0.62 | 0.70 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.63 | 0.66 | 0.68 | 0.71 | 0.74 | 0.77 |
| MT | NA | 0.38 | 0.44 | 0.51 | 0.63 | 0.77 | 0.89 |
| LT | NA | 0.36 | 0.45 | 0.65 | 0.77 | 0.90 | 0.99 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.022 | 0.043 | 0.063 | 0.083 | 0.101 | 0.118 |
| MT | 0 | 0.023 | 0.045 | 0.065 | 0.082 | 0.095 | 0.105 |
| LT | 0 | 0.024 | 0.046 | 0.064 | 0.079 | 0.091 | 0.102 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.024 | 0.048 | 0.072 | 0.094 | 0.117 | 0.138 |
| MT | 0 | 0.025 | 0.049 | 0.073 | 0.094 | 0.112 | 0.128 |
| LT | 0 | 0.025 | 0.049 | 0.071 | 0.091 | 0.107 | 0.121 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.026 | 0.053 | 0.078 | 0.104 | 0.129 | 0.153 |
| MT | 0 | 0.027 | 0.053 | 0.079 | 0.103 | 0.126 | 0.147 |
| LT | 0 | 0.026 | 0.052 | 0.076 | 0.099 | 0.119 | 0.138 |

Risk (Type3) to Blim (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.7 | 0.7 | 0.8 | 0.9 | 1.1 | 1.3 | 1.8 |
| MT | 0.0 | 0.0 | 0.0 | 0.2 | 0.7 | 2.4 | 5.3 |
| LT | 0.0 | 0.0 | 0.1 | 0.6 | 1.9 | 4.8 | 8.8 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 6.3 | 7.0 | 7.8 | 9.4 | 11.6 | 14.7 | 19.0 |
| MT | 0.1 | 0.5 | 1.9 | 6.4 | 14.0 | 25.1 | 36.4 |
| LT | 0.0 | 0.3 | 3.0 | 9.8 | 19.8 | 31.7 | 43.2 |

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 | OM2.3 |
| OM | desc | WGWIDE19\_sam |
| 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 | 0.115 |
| OM | refPts.Flim | 0.161 |
| OM | refPts.Fmsy | 0.115 |
| OM | refPts.Bpa | 856540 |
| OM | refPts.Blim | 611814 |
| OM | refPts.MSYBtrigger | 856540 |
| OM | refPts.Bloss | 604476 |
| 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\_SAM.RData |
| OTHER | flstock\_sim | MSE\_WGWIDE19\_FLStocks\_SAM1000.RData |