WHOM\_SAM\_OM2.3\_MP5.03\_1000\_23

Date: 10-Jul-2020 17.09

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.16 | 1.14 | 1.09 | 1.04 | 0.99 | 0.95 | 0.92 |
| MT | 1.56 | 1.40 | 1.22 | 1.06 | 0.92 | 0.81 | 0.74 |
| LT | 1.92 | 1.55 | 1.24 | 1.02 | 0.86 | 0.73 | 0.63 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.42 | 1.38 | 1.33 | 1.27 | 1.23 | 1.20 | 1.18 |
| MT | 1.93 | 1.74 | 1.50 | 1.32 | 1.16 | 1.04 | 0.95 |
| LT | 2.30 | 1.87 | 1.52 | 1.26 | 1.07 | 0.92 | 0.80 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.73 | 1.69 | 1.62 | 1.55 | 1.54 | 1.51 | 1.50 |
| MT | 2.35 | 2.14 | 1.87 | 1.65 | 1.50 | 1.40 | 1.30 |
| LT | 2.82 | 2.30 | 1.88 | 1.57 | 1.34 | 1.17 | 1.02 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 43 | 68 | 94 | 118 | 135 | 147 |
| MT | 0 | 49 | 84 | 111 | 129 | 143 | 152 |
| LT | 0 | 58 | 91 | 110 | 121 | 127 | 128 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 45 | 52 | 83 | 114 | 137 | 150 | 150 |
| MT | 13 | 59 | 103 | 136 | 160 | 180 | 196 |
| LT | 0 | 69 | 109 | 132 | 147 | 156 | 161 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 45 | 60 | 100 | 133 | 150 | 150 | 164 |
| MT | 15 | 74 | 128 | 170 | 204 | 232 | 256 |
| LT | 3 | 84 | 134 | 164 | 183 | 195 | 203 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.2 | 0.14 | 0.13 | 0.14 | 0.15 | 0.16 | 0.18 |
| MT | 0.2 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 | 0.14 |
| LT | 0.2 | 0.13 | 0.14 | 0.14 | 0.14 | 0.15 | 0.16 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.20 | 0.16 | 0.16 | 0.17 | 0.18 | 0.20 | 0.20 |
| MT | 0.36 | 0.15 | 0.15 | 0.16 | 0.16 | 0.16 | 0.17 |
| LT | 1.29 | 0.15 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.00 | 0.20 | 0.19 | 0.20 | 0.20 | 0.20 | 0.23 |
| MT | 2.03 | 0.18 | 0.18 | 0.18 | 0.19 | 0.20 | 0.21 |
| LT | 2.54 | 0.17 | 0.17 | 0.18 | 0.20 | 0.22 | 0.24 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.025 | 0.045 | 0.062 | 0.074 | 0.079 | 0.079 |
| MT | 0 | 0.022 | 0.045 | 0.068 | 0.091 | 0.113 | 0.135 |
| LT | 0 | 0.023 | 0.047 | 0.071 | 0.095 | 0.120 | 0.144 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.019 | 0.028 | 0.048 | 0.069 | 0.085 | 0.099 | 0.111 |
| MT | 0.003 | 0.024 | 0.048 | 0.073 | 0.099 | 0.123 | 0.147 |
| LT | 0.000 | 0.025 | 0.050 | 0.075 | 0.101 | 0.126 | 0.152 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.025 | 0.032 | 0.052 | 0.075 | 0.097 | 0.119 | 0.142 |
| MT | 0.005 | 0.025 | 0.052 | 0.079 | 0.106 | 0.134 | 0.159 |
| LT | 0.001 | 0.026 | 0.052 | 0.079 | 0.106 | 0.133 | 0.160 |

Risk (Type3) to Blim (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.8 | 0.8 | 1.0 | 1.5 | 1.9 | 2.7 | 3.7 |
| MT | 0.0 | 0.0 | 0.1 | 0.6 | 3.1 | 7.7 | 14.0 |
| LT | 0.0 | 0.0 | 0.3 | 2.2 | 7.9 | 17.2 | 28.7 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 7.2 | 7.9 | 9.3 | 11.6 | 14.4 | 17.7 | 20.5 |
| MT | 0.2 | 0.8 | 3.4 | 9.4 | 19.8 | 31.5 | 41.2 |
| LT | 0.0 | 0.5 | 4.9 | 15.5 | 29.6 | 45.4 | 59.7 |

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 | MP5.03 |
| MP | desc | ConstF IAV Btrig |
| MP | xlab | ConstF IAV Btrig |
| MP | HCRName | None |
| 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\_SAM.RData |
| OTHER | flstock\_sim | MSE\_WGWIDE19\_FLStocks\_SAM1000.RData |