WHOM\_SAM\_OM2.3\_MP5.01\_1000\_23

Date: 10-Jul-2020 17.06

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.13 | 1.13 | 1.09 | 1.03 | 0.97 | 0.92 | 0.87 |
| MT | 1.38 | 1.36 | 1.20 | 1.03 | 0.89 | 0.77 | 0.67 |
| LT | 1.58 | 1.52 | 1.22 | 1.00 | 0.84 | 0.72 | 0.61 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.39 | 1.39 | 1.32 | 1.25 | 1.18 | 1.12 | 1.06 |
| MT | 1.74 | 1.70 | 1.47 | 1.27 | 1.10 | 0.96 | 0.85 |
| LT | 1.98 | 1.83 | 1.50 | 1.24 | 1.05 | 0.90 | 0.78 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.70 | 1.70 | 1.61 | 1.51 | 1.43 | 1.36 | 1.29 |
| MT | 2.22 | 2.12 | 1.82 | 1.57 | 1.37 | 1.20 | 1.06 |
| LT | 2.47 | 2.26 | 1.84 | 1.53 | 1.30 | 1.12 | 0.98 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 50 | 71 | 99 | 124 | 146 | 165 |
| MT | 50 | 55 | 88 | 112 | 127 | 138 | 144 |
| LT | 50 | 60 | 91 | 109 | 120 | 124 | 125 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 53 | 87 | 122 | 151 | 178 | 201 |
| MT | 50 | 64 | 108 | 138 | 156 | 168 | 175 |
| LT | 50 | 71 | 111 | 133 | 146 | 153 | 156 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 60 | 107 | 150 | 188 | 220 | 249 |
| MT | 50 | 79 | 133 | 168 | 191 | 207 | 218 |
| LT | 50 | 86 | 136 | 163 | 181 | 192 | 198 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.00 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 |
| MT | 0 | 0.10 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| LT | 0 | 0.15 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.08 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 |
| MT | 0 | 0.18 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 |
| LT | 0 | 0.21 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.18 | 0.34 | 0.35 | 0.34 | 0.34 | 0.33 |
| MT | 0 | 0.26 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 |
| LT | 0 | 0.27 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.023 | 0.028 | 0.048 | 0.071 | 0.095 | 0.119 | 0.142 |
| MT | 0.016 | 0.025 | 0.048 | 0.072 | 0.096 | 0.120 | 0.143 |
| LT | 0.013 | 0.025 | 0.049 | 0.073 | 0.097 | 0.122 | 0.146 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.028 | 0.030 | 0.052 | 0.076 | 0.102 | 0.127 | 0.153 |
| MT | 0.020 | 0.027 | 0.051 | 0.076 | 0.102 | 0.127 | 0.153 |
| LT | 0.017 | 0.026 | 0.051 | 0.077 | 0.102 | 0.128 | 0.154 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.034 | 0.035 | 0.055 | 0.082 | 0.109 | 0.136 | 0.163 |
| MT | 0.025 | 0.029 | 0.054 | 0.081 | 0.108 | 0.135 | 0.162 |
| LT | 0.021 | 0.028 | 0.054 | 0.080 | 0.107 | 0.134 | 0.161 |

Risk (Type3) to Blim (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.1 | 1.1 | 1.2 | 1.5 | 1.9 | 2.8 | 4.1 |
| MT | 0.2 | 0.2 | 0.2 | 0.7 | 3.5 | 8.4 | 17.5 |
| LT | 0.0 | 0.0 | 0.3 | 2.3 | 7.9 | 18.1 | 30.2 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 8.7 | 8.7 | 9.3 | 11.7 | 15.1 | 19.8 | 25.0 |
| MT | 2.2 | 2.2 | 3.9 | 10.2 | 22.4 | 37.6 | 51.7 |
| LT | 1.4 | 1.5 | 5.2 | 16.4 | 30.9 | 47.6 | 62.5 |

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 | MP5.01 |
| MP | desc | ConstF minTAC |
| MP | xlab | ConstF minTAC |
| 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 |  |
| 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\_SAM.RData |
| OTHER | flstock\_sim | MSE\_WGWIDE19\_FLStocks\_SAM1000.RData |