WHOM\_SS3\_OM2.2\_MP5.00\_1000\_23

Date: 10-Jul-2020 13.34

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 | 1.04 | 0.99 | 0.94 | 0.89 |
| MT | 1.69 | 1.44 | 1.23 | 1.06 | 0.91 | 0.79 | 0.68 |
| LT | 2.00 | 1.58 | 1.27 | 1.04 | 0.86 | 0.67 | 0.51 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.40 | 1.32 | 1.25 | 1.18 | 1.11 | 1.06 | 1.00 |
| MT | 1.92 | 1.64 | 1.40 | 1.21 | 1.05 | 0.92 | 0.80 |
| LT | 2.32 | 1.84 | 1.49 | 1.23 | 1.03 | 0.85 | 0.68 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.56 | 1.47 | 1.39 | 1.31 | 1.24 | 1.18 | 1.13 |
| MT | 2.22 | 1.90 | 1.64 | 1.42 | 1.23 | 1.08 | 0.95 |
| LT | 2.73 | 2.20 | 1.79 | 1.48 | 1.24 | 1.04 | 0.87 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 40 | 75 | 106 | 133 | 157 | 177 |
| MT | 0 | 49 | 83 | 107 | 124 | 134 | 138 |
| LT | 0 | 53 | 87 | 107 | 118 | 116 | 106 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 46 | 86 | 121 | 151 | 178 | 202 |
| MT | 0 | 56 | 97 | 125 | 144 | 157 | 165 |
| LT | 0 | 62 | 102 | 127 | 142 | 147 | 142 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 53 | 99 | 139 | 173 | 204 | 230 |
| MT | 0 | 66 | 114 | 148 | 171 | 187 | 197 |
| LT | 0 | 75 | 123 | 152 | 170 | 180 | 180 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.19 | 0.18 | 0.17 | 0.17 | 0.16 | 0.17 |
| MT | NA | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.17 |
| LT | NA | 0.20 | 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 | NA | 0.26 | 0.25 | 0.24 | 0.23 | 0.23 | 0.23 |
| MT | NA | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 | 0.23 |
| LT | NA | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.36 | 0.35 | 0.34 | 0.33 | 0.32 | 0.32 |
| MT | NA | 0.32 | 0.31 | 0.30 | 0.30 | 0.30 | 0.30 |
| LT | NA | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.29 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.024 | 0.047 | 0.071 | 0.095 | 0.119 | 0.142 |
| MT | 0 | 0.024 | 0.048 | 0.072 | 0.096 | 0.120 | 0.143 |
| LT | 0 | 0.024 | 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 | 0.025 | 0.051 | 0.076 | 0.102 | 0.127 | 0.153 |
| MT | 0 | 0.025 | 0.051 | 0.076 | 0.102 | 0.127 | 0.153 |
| LT | 0 | 0.026 | 0.051 | 0.077 | 0.102 | 0.128 | 0.153 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.027 | 0.054 | 0.082 | 0.109 | 0.136 | 0.163 |
| MT | 0 | 0.027 | 0.054 | 0.081 | 0.108 | 0.135 | 0.162 |
| LT | 0 | 0.027 | 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 | 2.2 | 2.4 | 2.9 | 4.6 | 7.7 | 12.4 | 19.8 |
| MT | 0.0 | 0.1 | 0.8 | 4.7 | 16.4 | 35.7 | 57.5 |
| LT | 0.0 | 0.0 | 1.0 | 7.8 | 25.0 | 50.1 | 70.8 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 25.8 | 31.1 | 39.3 | 50.4 | 62.0 | 71.6 | 78.9 |
| MT | 0.9 | 5.3 | 19.1 | 44.2 | 67.2 | 82.5 | 90.4 |
| LT | 0.1 | 2.8 | 17.3 | 44.0 | 67.8 | 84.6 | 93.3 |

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 | MP5.00 |
| MP | desc | ConstF |
| MP | xlab | Const F |
| 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 |  |
| 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 |