WHOM\_SS\_OM2.2\_MP5.03\_1000\_23

Date: 08-Jul-2020 08.33

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.46 | 1.42 | 1.36 | 1.30 | 1.26 | 1.21 | 1.18 |
| MT | 1.86 | 1.66 | 1.44 | 1.26 | 1.11 | 0.99 | 0.89 |
| LT | 2.17 | 1.78 | 1.46 | 1.21 | 1.02 | 0.87 | 0.71 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.64 | 1.60 | 1.53 | 1.47 | 1.43 | 1.40 | 1.36 |
| MT | 2.13 | 1.91 | 1.66 | 1.46 | 1.31 | 1.19 | 1.08 |
| LT | 2.53 | 2.09 | 1.71 | 1.43 | 1.22 | 1.04 | 0.90 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.83 | 1.78 | 1.70 | 1.66 | 1.62 | 1.60 | 1.58 |
| MT | 2.44 | 2.19 | 1.93 | 1.71 | 1.55 | 1.43 | 1.33 |
| LT | 2.98 | 2.48 | 2.04 | 1.73 | 1.48 | 1.28 | 1.11 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 47 | 81 | 113 | 135 | 150 | 150 |
| MT | 0 | 50 | 88 | 114 | 135 | 150 | 162 |
| LT | 0 | 55 | 90 | 112 | 127 | 134 | 133 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 24 | 54 | 91 | 124 | 147 | 156 | 172 |
| MT | 0 | 58 | 102 | 135 | 160 | 180 | 196 |
| LT | 0 | 64 | 105 | 132 | 149 | 161 | 165 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 45 | 60 | 104 | 137 | 157 | 183 | 207 |
| MT | 15 | 67 | 118 | 158 | 191 | 217 | 239 |
| LT | 2 | 76 | 126 | 158 | 180 | 195 | 203 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.20 | 0.13 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 |
| MT | 0.20 | 0.13 | 0.13 | 0.13 | 0.14 | 0.14 | 0.15 |
| LT | 0.99 | 0.13 | 0.14 | 0.14 | 0.15 | 0.16 | 0.17 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.47 | 0.17 | 0.16 | 0.17 | 0.20 | 0.20 | 0.20 |
| MT | 1.29 | 0.15 | 0.16 | 0.16 | 0.17 | 0.17 | 0.18 |
| LT | 1.90 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.21 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.26 | 0.20 | 0.20 | 0.2 | 0.24 | 0.28 | 0.32 |
| MT | 2.32 | 0.18 | 0.19 | 0.2 | 0.21 | 0.22 | 0.24 |
| LT | 3.15 | 0.17 | 0.18 | 0.2 | 0.22 | 0.24 | 0.25 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.025 | 0.045 | 0.064 | 0.075 | 0.081 | 0.085 |
| MT | 0 | 0.023 | 0.046 | 0.069 | 0.092 | 0.116 | 0.139 |
| LT | 0 | 0.023 | 0.047 | 0.071 | 0.095 | 0.119 | 0.144 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.014 | 0.027 | 0.049 | 0.069 | 0.086 | 0.102 | 0.118 |
| MT | 0.000 | 0.024 | 0.049 | 0.075 | 0.100 | 0.125 | 0.150 |
| LT | 0.000 | 0.025 | 0.050 | 0.075 | 0.100 | 0.126 | 0.152 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.021 | 0.030 | 0.053 | 0.076 | 0.099 | 0.123 | 0.148 |
| MT | 0.004 | 0.026 | 0.053 | 0.080 | 0.107 | 0.134 | 0.162 |
| LT | 0.001 | 0.026 | 0.053 | 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 | 0.2 | 0.3 | 0.3 | 0.4 | 0.8 | 1.7 | 2.8 |
| MT | 0.0 | 0.1 | 0.1 | 0.5 | 3.7 | 10.4 | 21.6 |
| LT | 0.0 | 0.0 | 0.2 | 2.0 | 10.8 | 26.0 | 44.5 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 6.1 | 7.1 | 9.0 | 12.7 | 17.0 | 21.6 | 26.3 |
| MT | 0.2 | 0.7 | 5.6 | 17.5 | 34.0 | 49.2 | 61.2 |
| LT | 0.0 | 0.5 | 7.1 | 24.6 | 46.5 | 65.5 | 79.0 |

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 | MP5.03 |
| 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.RData |
| OTHER | flstock\_sim | MSE\_WGWIDE19\_FLStocks\_15PG.RData |