WHOM\_SS\_OM2.2\_MP5.21\_1000\_23

Date: 05-Jul-2020 20.49

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.43 | 1.43 | 1.38 | 1.32 | 1.27 | 1.22 | 1.18 |
| MT | 1.66 | 1.64 | 1.48 | 1.33 | 1.20 | 1.11 | 1.02 |
| LT | 1.82 | 1.76 | 1.51 | 1.31 | 1.17 | 1.08 | 1.01 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.61 | 1.60 | 1.54 | 1.48 | 1.42 | 1.37 | 1.32 |
| MT | 1.94 | 1.90 | 1.69 | 1.50 | 1.35 | 1.24 | 1.16 |
| LT | 2.15 | 2.06 | 1.73 | 1.50 | 1.34 | 1.23 | 1.14 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.80 | 1.79 | 1.72 | 1.65 | 1.58 | 1.52 | 1.46 |
| MT | 2.23 | 2.16 | 1.92 | 1.71 | 1.55 | 1.43 | 1.33 |
| LT | 2.64 | 2.46 | 2.07 | 1.78 | 1.58 | 1.43 | 1.32 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 50 | 75 | 100 | 121 | 139 | 154 |
| MT | 50 | 54 | 83 | 103 | 111 | 116 | 117 |
| LT | 50 | 57 | 86 | 102 | 112 | 117 | 119 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 54 | 89 | 122 | 150 | 174 | 192 |
| MT | 50 | 60 | 101 | 126 | 142 | 152 | 156 |
| LT | 50 | 65 | 103 | 125 | 137 | 144 | 148 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 59 | 103 | 143 | 178 | 206 | 228 |
| MT | 50 | 70 | 119 | 154 | 179 | 195 | 204 |
| LT | 50 | 78 | 125 | 156 | 173 | 184 | 191 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.02 | 0.21 | 0.24 | 0.26 | 0.27 | 0.28 |
| MT | 0 | 0.08 | 0.20 | 0.23 | 0.25 | 0.28 | 0.33 |
| LT | 0 | 0.13 | 0.23 | 0.28 | 0.33 | 0.41 | 0.47 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.10 | 0.31 | 0.38 | 0.42 | 0.45 | 0.48 |
| MT | 0 | 0.16 | 0.28 | 0.34 | 0.42 | 0.51 | 0.58 |
| LT | 0 | 0.20 | 0.30 | 0.38 | 0.48 | 0.57 | 0.65 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.19 | 0.42 | 0.56 | 0.69 | 0.83 | 0.94 |
| MT | 0 | 0.25 | 0.39 | 0.51 | 0.63 | 0.76 | 0.89 |
| LT | 0 | 0.27 | 0.37 | 0.50 | 0.63 | 0.74 | 0.85 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.022 | 0.026 | 0.042 | 0.058 | 0.073 | 0.088 | 0.101 |
| MT | 0.018 | 0.025 | 0.043 | 0.059 | 0.072 | 0.082 | 0.089 |
| LT | 0.015 | 0.025 | 0.045 | 0.061 | 0.074 | 0.084 | 0.091 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.025 | 0.028 | 0.046 | 0.067 | 0.088 | 0.106 | 0.123 |
| MT | 0.021 | 0.026 | 0.048 | 0.069 | 0.087 | 0.101 | 0.112 |
| LT | 0.019 | 0.026 | 0.048 | 0.068 | 0.084 | 0.097 | 0.108 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.029 | 0.030 | 0.051 | 0.076 | 0.099 | 0.122 | 0.143 |
| MT | 0.024 | 0.028 | 0.052 | 0.076 | 0.097 | 0.117 | 0.133 |
| LT | 0.022 | 0.027 | 0.051 | 0.074 | 0.094 | 0.111 | 0.126 |

Risk (Type3) to Blim (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.4 | 0.4 | 0.4 | 0.4 | 0.6 | 0.9 | 1.6 |
| MT | 0.1 | 0.1 | 0.1 | 0.2 | 0.9 | 3.0 | 6.7 |
| LT | 0.0 | 0.0 | 0.1 | 0.5 | 1.9 | 5.2 | 10.6 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 7.7 | 7.7 | 8.4 | 10.7 | 14.6 | 20.3 | 27.3 |
| MT | 1.8 | 1.8 | 3.8 | 11.0 | 23.4 | 38.7 | 52.5 |
| LT | 1.1 | 1.2 | 4.4 | 14.1 | 28.9 | 43.8 | 55.7 |

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 | OM2.2 |
| 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 | MP5.21 |
| 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 | 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.RData |
| OTHER | flstock\_sim | MSE\_WGWIDE19\_FLStocks\_15PG.RData |