WHOM\_SS\_OM2.2\_MP5.00\_1000\_50 Martin

Date: 10-Jul-2020 11.47

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.48 | 1.40 | 1.33 | 1.26 | 1.20 | 1.14 | 1.08 |
| MT | 1.93 | 1.66 | 1.42 | 1.23 | 1.07 | 0.93 | 0.81 |
| LT | 2.38 | 1.86 | 1.51 | 1.24 | 1.04 | 0.82 | 0.59 |
| **50%** | | | | | | | |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.66 | 1.57 | 1.48 | 1.40 | 1.33 | 1.27 | 1.21 |
| MT | 2.24 | 1.92 | 1.65 | 1.43 | 1.25 | 1.10 | 0.97 |
| LT | 2.73 | 2.14 | 1.72 | 1.43 | 1.20 | 1.01 | 0.81 |
| **75%** | | | | | | | |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.84 | 1.75 | 1.65 | 1.57 | 1.49 | 1.42 | 1.35 |
| MT | 2.51 | 2.16 | 1.88 | 1.65 | 1.45 | 1.28 | 1.14 |
| LT | 3.20 | 2.51 | 2.02 | 1.67 | 1.41 | 1.20 | 1.02 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 44 | 82 | 116 | 145 | 172 | 195 |
| MT | 0 | 52 | 89 | 116 | 134 | 146 | 153 |
| LT | 0 | 59 | 94 | 116 | 129 | 130 | 110 |
| **Median** | | | | | | | |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 50 | 94 | 131 | 165 | 194 | 220 |
| MT | 0 | 60 | 103 | 134 | 155 | 170 | 179 |
| LT | 0 | 68 | 109 | 134 | 150 | 157 | 152 |
| **75%** | | | | | | | |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 57 | 105 | 148 | 185 | 218 | 246 |
| MT | 0 | 70 | 121 | 156 | 182 | 200 | 212 |
| LT | 0 | 80 | 128 | 158 | 177 | 188 | 192 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.20 | 0.19 | 0.18 | 0.18 | 0.17 | 0.17 |
| MT | NA | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| LT | NA | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| **Median** | | | | | | | |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.27 | 0.26 | 0.25 | 0.24 | 0.24 | 0.24 |
| MT | NA | 0.26 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| LT | NA | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| **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 | 0.33 | 0.32 |
| MT | NA | 0.34 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 |
| LT | NA | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |

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 | 0.118 | 0.142 |
| MT | 0 | 0.024 | 0.048 | 0.072 | 0.096 | 0.120 | 0.144 |
| LT | 0 | 0.025 | 0.050 | 0.075 | 0.100 | 0.125 | 0.150 |
| **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 | 0.026 | 0.051 | 0.077 | 0.103 | 0.128 | 0.154 |
| 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 | 0.055 | 0.082 | 0.109 | 0.136 | 0.164 |
| MT | 0 | 0.027 | 0.055 | 0.082 | 0.109 | 0.137 | 0.164 |
| LT | 0 | 0.026 | 0.052 | 0.079 | 0.105 | 0.131 | 0.157 |

Risk (Type3) to Blim (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.2 | 0.2 | 0.3 | 0.4 | 1.0 | 2.1 | 4.6 |
| MT | 0.0 | 0.0 | 0.1 | 0.7 | 3.8 | 13.8 | 30.4 |
| LT | 0.0 | 0.0 | 0.2 | 2.7 | 13.0 | 33.5 | 57.0 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 7.1 | 8.6 | 11.8 | 16.7 | 24.1 | 33.5 | 44.5 |
| MT | 0.1 | 0.8 | 5.0 | 19.6 | 40.2 | 60.8 | 76.8 |
| LT | 0.0 | 0.6 | 7.0 | 26.1 | 50.7 | 70.3 | 84.0 |

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 | MP5.00 |
| 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 | 50 |
| OTHER | CU | 2018-2020 |
| OTHER | ST | 2021-2025 |
| OTHER | MT | 2026-2030 |
| OTHER | LT | 2031-2067 |
| OTHER | flstock | WGWIDE19.RData |
| OTHER | flstock\_sim | MSE\_WGWIDE19\_FLStocks\_1k15PG.RData |