WHOM\_SS3\_OM2.2\_MP5.00\_1000\_50 Martin(2)

Date: 10-Jul-2020 12.16

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 | 1.66 | 1.42 | 1.22 | 1.05 | 0.90 | 0.78 | 0.67 |
| LT | 2.12 | 1.64 | 1.30 | 1.06 | 0.84 | 0.55 | 0.35 |
| **50%** | | | | | | | |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.39 | 1.31 | 1.24 | 1.17 | 1.11 | 1.05 | 1.00 |
| MT | 1.93 | 1.65 | 1.41 | 1.22 | 1.05 | 0.91 | 0.80 |
| LT | 2.46 | 1.90 | 1.52 | 1.24 | 1.02 | 0.80 | 0.55 |
| **75%** | | | | | | | |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.55 | 1.46 | 1.38 | 1.31 | 1.24 | 1.18 | 1.12 |
| MT | 2.25 | 1.92 | 1.66 | 1.45 | 1.26 | 1.10 | 0.97 |
| LT | 2.84 | 2.20 | 1.76 | 1.44 | 1.19 | 0.99 | 0.78 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 40 | 76 | 106 | 133 | 156 | 177 |
| MT | 0 | 48 | 82 | 106 | 122 | 132 | 136 |
| LT | 0 | 56 | 89 | 109 | 115 | 97 | 73 |
| **Median** | | | | | | | |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 46 | 86 | 120 | 151 | 177 | 200 |
| MT | 0 | 56 | 97 | 125 | 145 | 158 | 165 |
| LT | 0 | 64 | 104 | 127 | 140 | 138 | 112 |
| **75%** | | | | | | | |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 53 | 100 | 140 | 174 | 205 | 231 |
| MT | 0 | 68 | 116 | 150 | 175 | 191 | 201 |
| LT | 0 | 75 | 120 | 149 | 166 | 171 | 161 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 |
| MT | NA | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| 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 | 0.26 | 0.25 | 0.24 | 0.24 | 0.23 | 0.23 |
| MT | NA | 0.25 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 |
| LT | NA | 0.26 | 0.26 | 0.26 | 0.26 | 0.25 | 0.25 |
| **75%** | | | | | | | |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | NA | 0.36 | 0.34 | 0.34 | 0.33 | 0.32 | 0.32 |
| MT | NA | 0.32 | 0.31 | 0.30 | 0.30 | 0.30 | 0.30 |
| LT | NA | 0.28 | 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 | 0.119 | 0.142 |
| MT | 0 | 0.024 | 0.048 | 0.072 | 0.096 | 0.120 | 0.143 |
| 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 | 0.025 | 0.051 | 0.076 | 0.102 | 0.127 | 0.153 |
| LT | 0 | 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 | 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 | 0.026 | 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 | 2.1 | 2.3 | 2.8 | 4.4 | 7.3 | 12.3 | 20.0 |
| MT | 0.0 | 0.1 | 0.7 | 4.3 | 16.8 | 36.0 | 55.9 |
| LT | 0.0 | 0.0 | 1.1 | 9.6 | 31.9 | 59.1 | 79.7 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 25.4 | 31.0 | 39.4 | 51.0 | 62.1 | 72.2 | 78.9 |
| MT | 0.7 | 5.0 | 20.2 | 43.8 | 65.7 | 80.9 | 89.4 |
| LT | 0.1 | 2.3 | 18.1 | 46.1 | 71.2 | 86.5 | 94.7 |

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 | MP5.00 |
| 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 |