WHOM\_SAM\_OM2.3\_MP5.21\_1000\_23

Date: 10-Jul-2020 17.24

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.13 | 1.13 | 1.10 | 1.05 | 1.00 | 0.96 | 0.93 |
| MT | 1.38 | 1.37 | 1.22 | 1.08 | 0.96 | 0.88 | 0.80 |
| LT | 1.58 | 1.52 | 1.24 | 1.06 | 0.92 | 0.84 | 0.78 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.39 | 1.39 | 1.33 | 1.26 | 1.20 | 1.15 | 1.10 |
| MT | 1.74 | 1.71 | 1.49 | 1.30 | 1.15 | 1.03 | 0.94 |
| LT | 1.98 | 1.83 | 1.52 | 1.28 | 1.12 | 1.00 | 0.91 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.70 | 1.70 | 1.61 | 1.53 | 1.45 | 1.38 | 1.32 |
| MT | 2.22 | 2.12 | 1.83 | 1.60 | 1.41 | 1.26 | 1.14 |
| LT | 2.47 | 2.26 | 1.85 | 1.56 | 1.35 | 1.20 | 1.09 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 50 | 67 | 91 | 112 | 130 | 145 |
| MT | 50 | 54 | 84 | 105 | 116 | 121 | 123 |
| LT | 50 | 59 | 88 | 103 | 110 | 114 | 115 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 53 | 85 | 117 | 145 | 168 | 188 |
| MT | 50 | 63 | 107 | 135 | 151 | 161 | 164 |
| LT | 50 | 71 | 109 | 130 | 141 | 147 | 151 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 50 | 60 | 105 | 147 | 183 | 214 | 240 |
| MT | 50 | 79 | 133 | 168 | 191 | 208 | 216 |
| LT | 50 | 86 | 135 | 162 | 181 | 189 | 195 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.00 | 0.18 | 0.21 | 0.22 | 0.22 | 0.22 |
| MT | 0 | 0.09 | 0.19 | 0.20 | 0.22 | 0.23 | 0.25 |
| LT | 0 | 0.15 | 0.22 | 0.24 | 0.27 | 0.31 | 0.36 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.07 | 0.26 | 0.31 | 0.33 | 0.35 | 0.36 |
| MT | 0 | 0.18 | 0.26 | 0.28 | 0.30 | 0.34 | 0.41 |
| LT | 0 | 0.21 | 0.27 | 0.32 | 0.38 | 0.44 | 0.51 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.17 | 0.37 | 0.45 | 0.50 | 0.57 | 0.64 |
| MT | 0 | 0.26 | 0.35 | 0.40 | 0.48 | 0.57 | 0.69 |
| LT | 0 | 0.27 | 0.33 | 0.40 | 0.51 | 0.60 | 0.68 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.023 | 0.028 | 0.046 | 0.065 | 0.084 | 0.102 | 0.119 |
| MT | 0.016 | 0.025 | 0.046 | 0.066 | 0.083 | 0.096 | 0.108 |
| LT | 0.013 | 0.025 | 0.047 | 0.066 | 0.082 | 0.094 | 0.106 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.028 | 0.030 | 0.05 | 0.072 | 0.095 | 0.117 | 0.138 |
| MT | 0.020 | 0.027 | 0.05 | 0.073 | 0.094 | 0.112 | 0.129 |
| LT | 0.017 | 0.026 | 0.05 | 0.072 | 0.091 | 0.109 | 0.123 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.034 | 0.035 | 0.054 | 0.079 | 0.104 | 0.129 | 0.153 |
| MT | 0.025 | 0.029 | 0.053 | 0.079 | 0.103 | 0.126 | 0.147 |
| LT | 0.021 | 0.028 | 0.052 | 0.077 | 0.100 | 0.120 | 0.139 |

Risk (Type3) to Blim (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.1 | 1.1 | 1.1 | 1.3 | 1.4 | 1.7 | 2.1 |
| MT | 0.2 | 0.2 | 0.2 | 0.3 | 0.9 | 3.0 | 6.2 |
| LT | 0.0 | 0.0 | 0.2 | 1.1 | 2.8 | 6.2 | 10.8 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 8.7 | 8.7 | 9.0 | 10.4 | 12.5 | 15.5 | 19.5 |
| MT | 2.2 | 2.2 | 3.3 | 7.5 | 15.1 | 26.2 | 37.3 |
| LT | 1.4 | 1.5 | 4.1 | 11.3 | 21.5 | 33.5 | 44.6 |

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 | OM2.3 |
| OM | desc | WGWIDE19\_sam |
| 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 | 0.115 |
| OM | refPts.Flim | 0.161 |
| OM | refPts.Fmsy | 0.115 |
| OM | refPts.Bpa | 856540 |
| OM | refPts.Blim | 611814 |
| OM | refPts.MSYBtrigger | 856540 |
| OM | refPts.Bloss | 604476 |
| 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\_SAM.RData |
| OTHER | flstock\_sim | MSE\_WGWIDE19\_FLStocks\_SAM1000.RData |