WHOM\_SS3\_OM2.2\_MP5.03\_1000\_23

Date: 10-Jul-2020 13.40

SSB (Mt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.21 | 1.16 | 1.11 | 1.05 | 1.00 | 0.95 | 0.91 |
| MT | 1.63 | 1.44 | 1.24 | 1.07 | 0.93 | 0.81 | 0.70 |
| LT | 1.97 | 1.59 | 1.28 | 1.05 | 0.86 | 0.68 | 0.52 |

| **50%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.37 | 1.31 | 1.25 | 1.19 | 1.14 | 1.09 | 1.05 |
| MT | 1.87 | 1.64 | 1.42 | 1.24 | 1.08 | 0.95 | 0.85 |
| LT | 2.29 | 1.85 | 1.51 | 1.24 | 1.04 | 0.87 | 0.70 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.53 | 1.46 | 1.39 | 1.33 | 1.28 | 1.25 | 1.22 |
| MT | 2.16 | 1.91 | 1.66 | 1.46 | 1.28 | 1.15 | 1.03 |
| LT | 2.70 | 2.22 | 1.81 | 1.50 | 1.26 | 1.07 | 0.90 |

Yield (kt)

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 41 | 74 | 103 | 128 | 146 | 150 |
| MT | 0 | 47 | 82 | 107 | 126 | 136 | 143 |
| LT | 0 | 52 | 86 | 107 | 119 | 119 | 109 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 48 | 85 | 117 | 143 | 160 | 181 |
| MT | 0 | 54 | 94 | 124 | 146 | 161 | 171 |
| LT | 0 | 61 | 100 | 125 | 141 | 148 | 145 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 24 | 54 | 96 | 132 | 158 | 186 | 210 |
| MT | 0 | 63 | 111 | 146 | 172 | 192 | 207 |
| LT | 0 | 72 | 120 | 150 | 171 | 181 | 184 |

IAV

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.47 | 0.14 | 0.14 | 0.14 | 0.15 | 0.16 | 0.17 |
| MT | 1.00 | 0.13 | 0.13 | 0.14 | 0.14 | 0.15 | 0.15 |
| LT | 1.49 | 0.14 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.00 | 0.18 | 0.17 | 0.18 | 0.20 | 0.20 | 0.22 |
| MT | 1.59 | 0.16 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 |
| LT | 2.07 | 0.15 | 0.16 | 0.18 | 0.20 | 0.21 | 0.22 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 1.69 | 0.24 | 0.23 | 0.24 | 0.27 | 0.30 | 0.34 |
| MT | 2.67 | 0.19 | 0.21 | 0.22 | 0.24 | 0.25 | 0.26 |
| LT | 3.27 | 0.17 | 0.20 | 0.22 | 0.25 | 0.26 | 0.27 |

FBar

| **25%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.024 | 0.046 | 0.066 | 0.084 | 0.100 | 0.116 |
| MT | 0 | 0.023 | 0.046 | 0.070 | 0.094 | 0.117 | 0.141 |
| LT | 0 | 0.024 | 0.048 | 0.072 | 0.096 | 0.121 | 0.146 |

| **Median** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0 | 0.026 | 0.050 | 0.073 | 0.095 | 0.118 | 0.141 |
| MT | 0 | 0.024 | 0.049 | 0.075 | 0.100 | 0.125 | 0.150 |
| LT | 0 | 0.025 | 0.050 | 0.076 | 0.101 | 0.127 | 0.153 |

| **75%** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 0.016 | 0.029 | 0.053 | 0.079 | 0.104 | 0.130 | 0.156 |
| MT | 0.000 | 0.026 | 0.053 | 0.080 | 0.108 | 0.135 | 0.162 |
| LT | 0.000 | 0.026 | 0.053 | 0.079 | 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 | 2.2 | 2.4 | 2.9 | 4.5 | 7.5 | 11.5 | 17.3 |
| MT | 0.0 | 0.1 | 0.9 | 4.6 | 15.3 | 31.8 | 49.4 |
| LT | 0.0 | 0.0 | 1.0 | 7.7 | 24.4 | 48.2 | 68.3 |

Risk (Type3) to Bpa (%)

| **mean** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period/Ftgt** | **0** | **0.025** | **0.05** | **0.075** | **0.1** | **0.125** | **0.15** |
| ST | 27.7 | 31.9 | 39.2 | 48.8 | 57.1 | 63.2 | 67.9 |
| MT | 1.2 | 5.3 | 18.8 | 41.8 | 63.3 | 76.8 | 84.5 |
| LT | 0.1 | 2.8 | 16.7 | 42.4 | 66.3 | 82.8 | 91.7 |

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 | MP5.03 |
| 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\_1k15PG.RData |