

1 **Supplementary Table 8 for**

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3 Identifying Management Actions that Promote Sustainable Fisheries

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14 **This PDF file is provided separately from other Supplementary Information.**

15 **Supplementary Table 8 | Summary of comparisons between sensitivity analyses and main run of results.** See Supplementary  
 16 Note 2 for details.  
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Analysis	Sample size (number of stocks) for analyses of $U/U_{REF}$ and $B/B_{REF}$ :		Coefficient estimate (SE) for:		Visual comparison with Figs. 3-5 and Supplementary Figure 8
	separate (Figs. 3, 4)	together (Fig. 5)	$U/U_{REF}$	$B/B_{REF}$	
Main run	288	277	$r_1$ : -0.799 (0.039) $r_{2+}$ : -0.022 (0.010) $s$ : -0.030 (0.013) $n$ : -0.045 (0.011)	$r_1$ : -0.006 (0.015) $r_{2+}$ : 0.064 (0.008) $s$ : 0.012 (0.011) $n$ : 0.022 (0.009)	
Sensitivity 1— reference points (no SP fits)	248	203	$r_1$ : -0.196 (0.038) $r_{2+}$ : -0.023 (0.011) $s$ : -0.018 (0.014) $n$ : -0.052 (0.013)	$r_1$ : -0.003 (0.017) $r_{2+}$ : 0.059 (0.009) $s$ : 0.014 (0.012) $n$ : 0.026 (0.011)	Fig. 3 similar for $B/B_{REF}$ , differences for $U/U_{REF}$ (see Supplementary Note 2) Fig. 4 and Supplementary Figure 8 similar for $B/B_{REF}$ , differences for $U/U_{REF}$ (see Supplementary Note 2) Fig. 5 differences (see Supplementary Note 2)
Sensitivity 2— time series length (min. 20 yrs)	254	242	$r_1$ : -0.791 (0.039) $r_{2+}$ : -0.023 (0.010) $s$ : -0.030 (0.013) $n$ : -0.042 (0.011)	$r_1$ : 0.005 (0.014) $r_{2+}$ : 0.063 (0.008) $s$ : 0.010 (0.011) $n$ : 0.023 (0.010)	Fig. 3 similar Fig. 4 and Supplementary Figure 8 similar Fig. 5 similar

Analysis	Sample size (number of stocks) for analyses of $U/U_{REF}$ and $B/B_{REF}$ :		Coefficient estimate (SE) for:		Visual comparison with Figs. 3-5 and Supplementary Figure 8
	separate (Figs. 3, 4)	together (Fig. 5)	$U/U_{REF}$	$B/B_{REF}$	
Sensitivity 3a— ARIMA structure ( $p=0, q=0$ )	288	277	$r_1$ : -0.788 (0.041) $r_{2+}$ : -0.008 (0.020) $s$ : -0.042 (0.026) $n$ : -0.042 (0.022)	$r_1$ : -0.010 (0.016) $r_{2+}$ : 0.064 (0.007) $s$ : 0.012 (0.010) $n$ : 0.022 (0.009)	Fig. 3 similar (wider confidence limits) Fig. 4 and Supplementary Figure 8 similar Fig. 5 similar
Sensitivity 3b— ARIMA structure ( $p=1, q=0$ )	288	277	$r_1$ : -0.800 (0.041) $r_{2+}$ : -0.007 (0.016) $s$ : -0.040 (0.021) $n$ : -0.045 (0.018)	$r_1$ : -0.003 (0.015) $r_{2+}$ : 0.063 (0.008) $s$ : 0.012 (0.011) $n$ : 0.022 (0.010)	Fig. 3 similar Fig. 4 and Supplementary Figure 8 similar Fig. 5 similar
Sensitivity 3c— ARIMA structure ( $p=2, q=0$ )	288	277	$r_1$ : -0.829 (0.040) $r_{2+}$ : -0.010 (0.015) $s$ : -0.035 (0.019) $n$ : -0.048 (0.016)	$r_1$ : -0.004 (0.015) $r_{2+}$ : 0.063 (0.008) $s$ : 0.012 (0.011) $n$ : 0.022 (0.010)	Fig. 3 similar Fig. 4 and Supplementary Figure 8 similar Fig. 5 similar
Sensitivity 3d— ARIMA structure ( $p=0, q=1$ )	288	277	$r_1$ : -0.816 (0.040) $r_{2+}$ : -0.009 (0.014) $s$ : -0.036 (0.019) $n$ : -0.047 (0.016)	$r_1$ : -0.004 (0.015) $r_{2+}$ : 0.063 (0.008) $s$ : 0.012 (0.011) $n$ : 0.022 (0.010)	Fig. 3 similar Fig. 4 and Supplementary Figure 8 similar Fig. 5 similar

Analysis	Sample size (number of stocks) for analyses of $U/U_{REF}$ and $B/B_{REF}$ :		Coefficient estimate (SE) for:		Visual comparison with Figs. 3-5 and Supplementary Figure 8
	separate (Figs. 3, 4)	together (Fig. 5)	$U/U_{REF}$	$B/B_{REF}$	
Sensitivity 4a— regional weighting (proportional to $n_{r,RAMLDBfull}$ )	288	277	$r_1$ : -0.843 (0.040) $r_{2+}$ : -0.029 (0.011) $s$ : -0.030 (0.013) $n$ : -0.045 (0.012)	$r_1$ : -0.008 (0.016) $r_{2+}$ : 0.075 (0.009) $s$ : 0.005 (0.011) $n$ : 0.022 (0.010)	Fig. 3 similar Fig. 4 and Supplementary Figure 8 similar Fig. 5 similar
Sensitivity 4b— regional weighting (proportional to $n_{r,RAMLDBsub}$ )	288	277	$r_1$ : -0.903 (0.040) $r_{2+}$ : -0.031 (0.011) $s$ : -0.031 (0.013) $n$ : -0.042 (0.011)	$r_1$ : -0.010 (0.017) $r_{2+}$ : 0.077 (0.009) $s$ : 0.004 (0.011) $n$ : 0.022 (0.010)	Fig. 3 similar Fig. 4 and Supplementary Figure 8 similar Fig. 5 similar