

Risks for sardine west component considering a new risk threshold

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Following discussion during the IWS, risks have now been calculated assuming a risk threshold of the 2007 west component spawner biomass.

Table 1. The probability of west component spawner biomass falling below the 2007 level i) at least once over the projection period, ii) during the 20 year projection period, iii) at the end of the projection period. Risks are shown for the OMs assuming a) the Hockey Stick stock recruitment curve is estimated during conditioning ($p=0$ and MoveR), b) the Hockey Stick stock recruitment curve is estimated after conditioning ($p=0$ and MoveR), and c) the Hockey Stick stock recruitment curve is estimated after conditioning ($p=0.2$ and MoveR).

			$p(B^{\text{SP}}_{\text{west},y} < \text{Risk}^{\text{S}}_{2007})$		
			i)	ii)	iii)
MoveR	a) During $p = 0.0$	NoCatch	0.44	0.11	0.10
		SingleArea	0.77	0.37	0.43
	b) After $p = 0.0$	NoCatch	0.50	0.12	0.12
		SingleArea	0.71	0.26	0.30
	c) After $p = 0.2$	NoCatch	0.94	0.46	0.46
		SingleArea	0.99	0.59	0.59

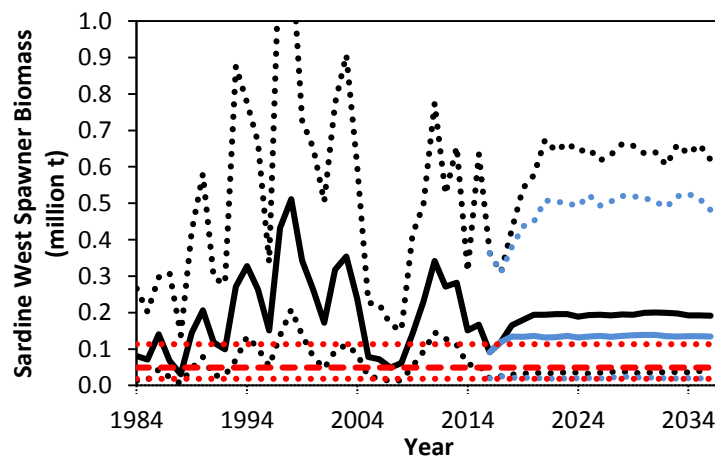


Figure 1. Median and 95% probability intervals of west component spawner biomass with projections using the OM with the Hockey Stick stock recruitment curve estimated after conditioning ($p=0.2$ and MoveR). The black projections correspond to a no future catch scenario (from 2018 onwards) while the blue lines correspond to catch under a single area management strategy (OMP-14).

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