Adult Sardine Bycatch with Red-Eye

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The adult sardine bycatch with red-eye was decreased from 10 000t under OMP-04 to 3 500t under OMP-08. During the development and testing of OMP-08, two alternative options for the red-eye bycatch were tested:

i) the sardine adult bycatch with red-eye will remain at 3 500t (rounded up from the historic minimum, to be conservative) over the projection period; or

ii) the average red-eye catch doubles over the next 5 years, such that bycatch increases from 3 500t in 2007 to 7 000t in 2011 and remains at 7 000t for the remainder of the projection period.

Table 1 lists the summary statistics of alternative ii) compared to that for alternative i) which was adopted for OMP-08. The results at the time the decision was made to use option i) are shown for "Straw 3 OMP-08" as well as the comparative summary statistics for the final implemented OMP-08.

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Table 1. Key summary statistics for the trade-off point for "Straw3" and the final implemented OMP-08, assuming an annual adult sardine bycatch with red-eye of 3 500t and assuming that the adult sardine bycatch with red-eye increases from 3 500t to 7 000t over the next 5 years.

	"Straw 3" OMP-08		Final OMP-08	
	Base Case	Higher adult sardine bycatch	Base Case	Higher adult sardine bycatch
β	0.11767	0.11767	0.097	0.097
α_{ns}	0.1375	0.1375	0.78	0.78
α_{ads}	0.275	0.275	1.17	1.17
Percentage of times Sardine Exceptional Circumstances are Declared (2008-2027)	3.4%	3.4%	4.7%	5.0%
Percentage of times Sardine Exceptional Circumstances are Declared (2008-2010)	1.6%	1.6%	2.7%	2.7%
Percentage of times Anchovy Exceptional Circumstances are Declared (2008-2027)	15.2%	15.2%	8.5%	8.5%
$risk_S$	0.179	0.180	0.178	0.185
$\overline{C}^S$ (2008-2027)	214	214	190	189
AAV^S (2008-2027)	0.26	0.26	0.24	0.24
$\overline{C}^S$ (2008-2010)	135	135	121	121
AAV^S (2008-2010)	0.29	0.29	0.25	0.25
$\overline{B^S_{2027}/K^S_{non-peak}}$	0.68	0.68	0.68	0.68
$\overline{B^S_{2027}/Risk^S}$	10.54	10.53	10.45	10.35
$\overline{B^S_{2027}/B^S_{2007}}$	5.71	5.70	5.66	5.60
$\overline{B^S_{\min}/K^S_{non-peak}}$	0.26	0.26	0.26	0.26
$\overline{B^S_{\min}/Risk^S}$	1.76	1.76	1.78	1.77
$risk_A$	0.243	0.243	0.097	0.098
$\overline{C}^A$ (2008-2027)	179	179	381	381
AAV^A (2008-2027)	0.45	0.45	0.30	0.30
$\overline{C}^A$ (2008-2010)	223	223	458	458
AAV^A (2008-2010)	0.44	0.44	0.27	0.27
$\overline{B^A_{2027}/K^A}$	0.73	0.73	0.61	0.61
$\overline{B^A_{2027}/Risk^A}$	1.99	1.99	1.81	1.81
$\overline{B^A_{2027}/B^A_{2007}}$	1.23	1.23	0.84	0.84
$\overline{B^A_{\min}/K^A}$	0.15	0.15	0.14	0.14
$\overline{B^A_{\min}/Risk^A}$	0.33	0.33	0.39	0.39