

ERRATUM: Butterworth and Rademeyer (January 2012)

The final column of results in the Beverton-Holt section of Table 6b on pg 20 of the paper (for NBC2 with a 1982 start year) was mis-pasted. This has been corrected below.

Table 6b: Estimates of reference points from fits to stock-recruitment data, showing dependence on the starting year for the assessment, and the forms assumed for the CAA error distribution and the stock-recruitment relationship. Values in parentheses are Hessian based CV's (for σ_R these are typically of the order of 0.004). Mass units are '000 tons. Note that F refers to fishing mortality on age 5, and MSY is as calculated for the most recent commercial selectivity-at-age vector, and multiplied by the $e^{(\sigma_R)^2/2}$ bias correction factor to reflect mean rather than median recruitment.

Start year y1	Beverton-Holt								Ricker							
	NBC2		NBC2, sqrt(p) for CAA error		NBC2		NBC2		NBC2		NBC2, sqrt(p) for CAA error		NBC2		NBC2	
	1964		1964		1970		1982		1964		1964		1970		1982	
-lnL	6.4		15.4		1.6		1.9		3.1		9.3		1.4			
h	0.96	(0.06)	1.00	(0.05)	0.87	(0.06)	0.86	(0.07)	2.78	(0.14)	3.20	(0.13)	2.17	(0.16)		
σ_R	0.65	(0.00)	0.74	(0.01)	0.61	(0.00)	0.62	(0.00)	0.62	(0.00)	0.68	(0.01)	0.61	(0.00)		
K^{SP}	211.35	(0.17)	184.93	(0.15)	333.62	(0.29)	439.54	(0.68)	72.98	(0.10)	64.30	(0.08)	103.92	(0.21)		
F_{MSY}	0.43		0.28		0.35		0.27		0.63		0.61		0.55			
$MSYL^{SP}$	0.18	(0.07)	0.24	(0.04)	0.22	(0.06)	0.26	(0.07)	0.32	(0.12)	0.33	(0.09)	0.34	(0.13)	S/R curve fit did not converge	
B_{MSY}^{SP}	38.34	(0.11)	43.66	(0.11)	74.42	(0.23)	112.14	(0.62)	23.55	(0.07)	21.36	(0.07)	34.95	(0.12)		
MSY	11.34	(0.11)	12.31	(0.11)	15.34	(0.23)	18.09	(0.62)	11.92	(0.07)	12.84	(0.07)	13.58	(0.12)		
$C_{2010}(F_{MSY})$	5.88		3.70		5.39		7.74		8.13		7.12		7.86			
B_{2010}^{SP}	18.25	(0.13)	15.15	(0.13)	20.38	(0.13)	14.74	(0.13)	18.25	(0.13)	15.15	(0.13)	20.38	(0.13)		
$B_{2010}^{SP}/B_{MSY}^{SP}$	0.48	(0.11)	0.35	(0.11)	0.27	(0.23)	0.13	(0.62)	0.77	(0.07)	0.71	(0.07)	0.58	(0.12)		
B_{2010}^{SP}/K^{SP}	0.09	(0.17)	0.08	(0.15)	0.06	(0.29)	0.03	(0.68)	0.25	(0.10)	0.24	(0.08)	0.20	(0.21)		