

Hake – Working Paper 1

Table 1: Estimates of management quantities for the RS.

	RS1	RS2	RS3	RS4	RS5	RS6	RS7	RS10	RS13	RS14	RS15
-lnL total	-3665.5	-3665.9	-3665.9	-3652.1	-3650.5	-3650.8	-3657.8	-3633.1	-3648.5	-3639.0	-3639.0
<i>M. paradoxus</i>											
K^{SP}	554	817	817	874	1733	1715	452	662	404	478	478
B^{SP}_{MSY}	144	159	159	209	401	396	110	224	156	75	75
B^{SP}_{MSY}/K^{SP}	0.26	0.19	0.19	0.24	0.23	0.23	0.24	0.34	0.39	0.16	0.16
B^{SP}_{2016}	102	119	119	124	222	212	89	179	160	110	110
B^{SP}_{2016}/K^{SP}	0.18	0.15	0.15	0.14	0.13	0.12	0.20	0.27	0.40	0.23	0.23
$B^{SP}_{2016}/B^{SP}_{MSY}$	0.71	0.75	0.75	0.60	0.55	0.54	0.81	0.80	1.03	1.47	1.47
MSY	119	113	113	121	125	124	114	129	119	115	115
<i>M. capensis</i>											
K^{SP}	219	309	310	224	377	377	197	509	270	411	411
B^{SP}_{MSY}	82	52	52	82	113	113	83	168	111	108	108
B^{SP}_{MSY}/K^{SP}	0.38	0.17	0.17	0.37	0.30	0.30	0.42	0.33	0.41	0.26	0.26
B^{SP}_{2016}	160	182	182	147	66	66	139	372	210	296	296
B^{SP}_{2016}/K^{SP}	0.73	0.59	0.59	0.66	0.18	0.17	0.71	0.73	0.78	0.72	0.72
$B^{SP}_{2016}/B^{SP}_{MSY}$	1.95	3.50	3.50	1.79	0.59	0.58	1.68	2.22	1.88	2.75	2.75
MSY	75	68	65	58	40	40	68	96	102	116	108

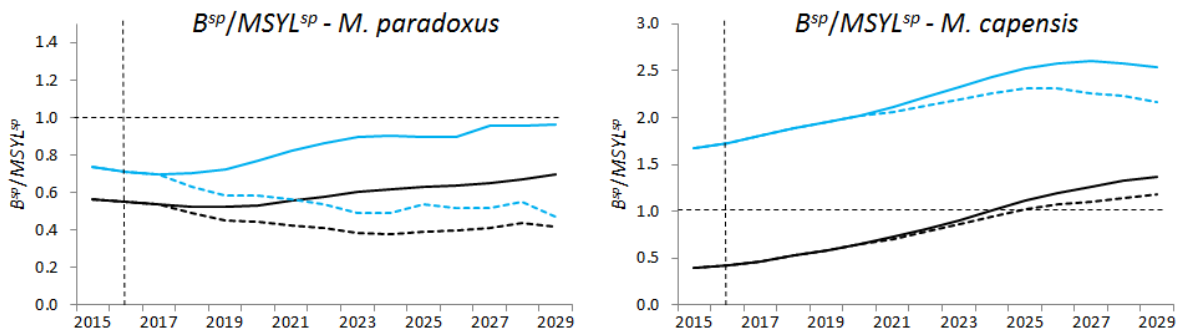


Figure 1: Median and lower 2.5%iles for the RC (blue lines) and RS5 (black lines) under OMP-2014.



Figure 2: Overall abundance index (equations A3 and A4 of MARAM/IWS/DEC16/Hake Asses/P2) and TAC output before constraints for *M. paradoxus* and *M. capensis* and final TAC output for one simulation under OMP2014 for RS1 and RS5.