

Data to be used as input to the 2010 OMP for the South African hake resource for the computation of the 2011 TAC

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Table 1: *M. capensis* and *M. paradoxus* survey abundance estimates and associated standard errors (in thousand tons) to be used in the OMP computations of the 2011 TAC; values in bold represent Africana new gear (Fairweather and Sithole, 2010).

Year	WEST COAST		SOUTH COAST	
	Summer (Jan)		Autumn (April/May)	
	Abundance	SE	Abundance	SE
<i>M. capensis</i>				
2005	70.98	13.85	76.93	5.97
2006	88.42	22.85	130.90	14.82
2007	82.27	11.44	70.94	5.62
2008	50.88	5.36	108.20	9.98
2009	175.29	39.92	124.00	11.81
2010	164.66	34.71	184.96	37.72
<i>M. paradoxus</i>				
2005	286.42	39.85	26.61	7.95
2006	315.31	49.49	34.80	8.33
2007	392.81	70.04	129.65	60.66
2008	246.54	51.97	39.51	11.41
2009	330.24	28.53	102.83	28.67
2010	592.57	87.61	169.56	67.65

Table 2: *M. capensis* and *M. paradoxus* standardised CPUE to be used in the OMP computations of the 2011 TAC (Glazer, 2010a).

Year	West Coast	South Coast
<i>M. capensis</i>		
2004	0.8383	1.9092
2005	0.4944	1.5028
2006	0.5640	1.1991
2007	0.5972	1.0488
2008	0.5028	1.6515
2009	1.0335	3.0417
<i>M. paradoxus</i>		
2004	2.0610	1.3252
2005	2.2117	1.3150
2006	2.3641	1.3678
2007	2.7567	1.4412
2008	3.4236	1.3913
2009	3.6006	1.6309

Table 3: 2009 catches (in thousand tons) split by coasts and species (Glazer, 2010b and R. Cooper, pers. commn). The longline catches are split by species assuming that 100% and 30% of the catch on the south coast and west coast respectively consists of *M. capensis*. The handline catches are assumed to be 100% *M. capensis*.

	<i>M. paradoxus</i>	<i>M. capensis</i>
West coast offshore trawl	70.03	7.07
South coast offshore trawl	12.40	3.10
South coast inshore trawl	-	5.97
West coast longline	2.74	1.17
South coast longline	-	3.55
South coast handline	-	0.27
Total	85.17	21.13

REFERENCES

- Fairweather T and Sithole B. 2010. Abundance estimates for hake - January and April 2010 update. Unpublished report, Marine and Coastal Management, South Africa. MCM/2010/MAY/SWG-DEM/25.
- Glazer JP. 2010a. Updated offshore hake species-specific standardized CPUE indices. Unpublished report, Fisheries, South Africa. FISHERIES/2010/OCT/SWG-DEM/55.
- Glazer JP. 2010b. Separating the offshore hake catches by coast and species. Unpublished report, Fisheries, South Africa. FISHERIES/2010/OCT/SWG-DEM/54.