Revised Anchovy TAC and Sardine TAB for 2008, using OMP-08

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The 2008 directed sardine TAC, initial 2008 anchovy TAC and sardine TAB were calculated using the version of OMP-08 at that time to be as follows:

Directed sardine TAC: 90 776 tonnes
Initial normal season anchovy TAC: 247 500 tonnes
Initial normal season sardine TAB: 28 565.9 tonnes

Following the recent 2008 recruit survey, the TAC for anchovy and the sardine TAB are to be revised in terms of standard practice. The following data have been used for input to the formulae for OMP-08 as now finalised (Cunningham and Butterworth 2008a,b):

1) November 2007 survey anchovy spawner biomass: 2 507 501 tonnes.
   (November 2006 = 2 106 273 tonnes)
2) Directed anchovy normal season TAC for 2007: 386 942 tonnes.
4) Anchovy recruit catch from 1 November 2007 to day prior to commencement of survey: 3.376 billion (6.159 billion in 2007, but that applied to the period from 1 April).
5) Time after 1 May that the survey commenced: 0.677 months (21 May) (0.548 in 2007).
6) Anchovy 1-year-old catch from 1 November to day prior to commencement of survey: 3.505 billion (0.424 billion in 2006/7, but that applied to a period ending 31 March).
7) Juvenile sardine: anchovy ratio (by mass) during the May survey: 0.016 (0.031 in 2007).
8) Juvenile sardine: anchovy ratio (by mass) during the May commercial catch: 0.0410 (0.0399 in 2007).

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Using the above data, the final South African anchovy TAC and sardine TAB for 2008 are calculated by OMP-08 to be (Cunningham and Butterworth 2008a,b):

- Normal season anchovy TAC: 397,500 tonnes (386,942 tonnes in 2007)
- Additional season anchovy TAC: 120,000 tonnes (150,000 tonnes in 2007)
- Total anchovy TAC: 517,500 tonnes (536,942 tonnes in 2007)
- Normal season sardine TAB: 32,854 tonnes (36,503 tonnes in 2007)
- Additional season sardine TAB: 2,000 tonnes (2,000 tonnes in 2007)
- Total sardine TAB: 34,854 tonnes (38,503 tonnes in 2007)

The normal season anchovy TAC is constrained by the maximum 150,000 tonne limitation on increase to the initial normal season TAC. The additional season anchovy TAC is constrained by the maximum of 120,000 tonnes allowed for that period.

**Acknowledgements**

Jan van der Westhuisen and Janet Coetzee are thanked for providing the input data for OMP-08.

**References**
