

## **Data needed for the baseline stock assessment update, the 2018 TAC recommendation, and for OMP revision for the South African hake resource**

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This paper summarises the further data needed a) to update the baseline stock assessment, b) to compute the 2018 TAC recommendation for the South African hake resources and c) to condition the operating models for the 2018 hake OMP revision. *Data that would be useful to have, but are not necessarily expected to be available, are shown in italics.*

### **Further data needed for the baseline stock assessment update**

#### *Commercial data*

##### 2016 catches

- a) Offshore trawl catch: disaggregated by species and coasts
- b) Longline catch: disaggregated by species, and coasts
- c) South coast inshore trawl catch (*assumed to consist of M. capensis exclusively*)
- d) South coast handline catch (*assumed to consist of M. capensis exclusively*)

For 2017, the catch is taken to be equal to the TAC, with the species/sex/coast split in the same proportion as for 2016.

*Male proportions in the longline catches (west and south coast separately) are available from 2000 to 2010, with the 2000-2010 average taken to apply to other years. An update on this would be useful.*

##### Offshore trawl CPUE

1978-2016 values both species and coast disaggregated

##### Catches-at-length

- a) *2016 West Coast offshore trawl CAL, species combined*
- b) *2015-2016 South Coast offshore trawl CAL, species combined*
- c) *2016 South Coast inshore trawl CAL*
- d) *2011-2016 West and South Coasts longline CAL, species disaggregated.*

#### *Survey data*

##### Biomass estimates

- a) 2017 South Coast autumn survey biomass estimate for each species
- b) 2017 West Coast summer survey biomass estimate for each species

##### Catches-at-length/age

- a) *2017 South Coast autumn survey CAL, disaggregated by species and sex*

- b) 2017 West Coast summer survey CAL, disaggregated by species and sex*

*Ageing data*

The most recent ageing data provided is from the 2008 West Coast summer survey. Please provide any updates on those.

Note – all data required no later than Friday 22 September.

**Data needed for the computation of the 2018 TAC recommendation**

- a) 2016 catches as above
- b) 1978-2016 offshore trawl CPUE series, as above
- c) 2017 South Coast autumn and West Coast summer survey biomass estimates for each species as above

Note – all data required no later than Friday 22 September.

**Data needed to condition operating models for the 2018 OMP revision process**

- a) All data list above under baseline stock assessment update
- b) *Longline CPUE series, disaggregated by species and coast*
- c) Any other?

Note - all these further data for the operating models required in finalised form by the end of November.