

### Fishery Report: *Dissostichus eleginoides* Crozet Island inside French EEZ (Subarea 58.6)

5.296 Insufficient information was available at the meeting to complete a Fishery Report for this fishery. The Working Group recommended that French scientists be requested to provide the information required during the coming intersessional period.

#### Standardisation of CPUE

5.297 Haul-by-haul catch and effort data (fine-scale data) for the French longline fishery inside the French EEZ around Crozet Island in Subarea 58.6 for the 1998/99 to 2003/04 fishing seasons were examined. These data were kindly provided by Prof. Duhamel. GLMMs described by Candy (2004) and WG-FSA-03/34 were used to investigate trends in CPUE (kg/hook).

5.298 Figure 5.27 shows the standardised CPUE time series from 1998/99 and 2003/04 along with the total removals time series from 1995/96 to 2003/04. The standardised CPUE rose between 1998/99 and 1999/2000 but then fell steadily. Estimated total removals were very high in 1995/96 and especially 1996/97, but fell to around 3 000 tonnes in 1997/98 and have declined slowly since then to under 1 000 tonnes.

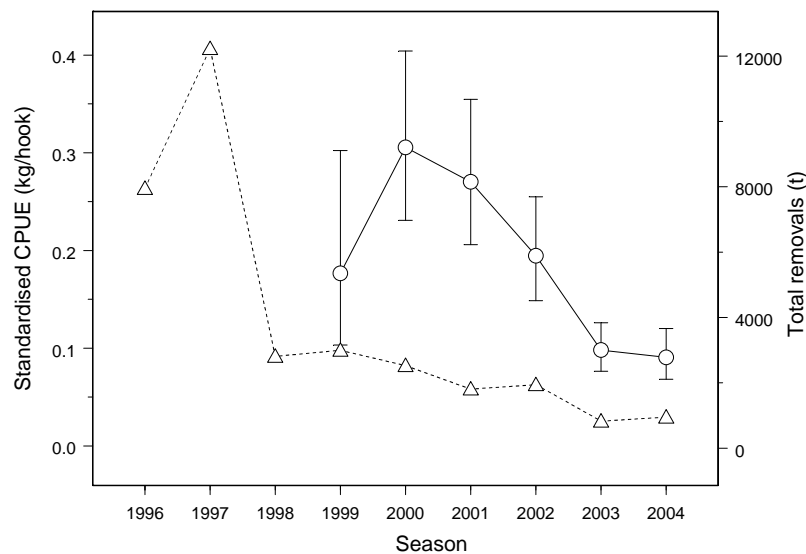


Figure 5.27: Time series of total removals (dashed line) and standardised CPUE (kg/hook) (solid line) obtained from the fitted GLMM. Error bars represent approximate 95% confidence bounds on the estimates.

**Management advice**

5.299 Estimated total removals have declined steadily over the last seven seasons and are at substantially lower levels than those taken before then. Nevertheless, standardised CPUE has fallen substantially since 1999/2000. In the absence of a stock assessment, the Working Group agreed that it was unable to recommend appropriate levels of catch for this fishery.

5.300 As for other toothfish fisheries in the CCAMLR Convention Area, the Working Group recommended that tag–recapture experiments be conducted. It also noted that conducting a recruitment survey would greatly assist in carrying out a stock assessment.

5.301 No new information was available on the state of fish stocks in Subarea 58.6 outside areas of national jurisdiction. The Working Group therefore recommended that the prohibition of directed fishing for *D. eleginoides*, described in Conservation Measure 32-11, remains in force.