

CONSERVATION MEASURES

9.1 The Commission agreed that Conservation Measures 2/III⁴, 3/IV, 4/V, 5/V⁵, 6/V⁵, 7/V, 18/XIII, 19/IX⁶, 30/X⁶, 31/X⁷, 32/X, 40/X, 45/XIV, 51/XII, 61/XII, 62/XI, 63/XV, 64/XII⁷, 65/XII⁷, 82/XIII, 90/XV, 95/XIV and 106/XV should remain in force as they stand.

9.2 The Commission agreed that Conservation Measures 100/XV, 101/XV and 104/XV should be carried forward to the 1997/98 season. These measures were revised and adopted as Conservation Measures 127/XVI, 128/XVI and 126/XVI respectively.

9.3 The Commission agreed that Conservation Measure 111/XV (new fishery for deepwater species in Division 58.5.2) should lapse at the end of the present meeting.

9.4 The Commission agreed that Conservation Measure 29/XV⁵ (minimisation of the incidental mortality of seabirds) should remain in force subject to revision as specified in section 6. The revised measure was adopted as Conservation Measure 29/XVI.

9.5 The European Community expressed concern with the procedure followed in regard to this conservation measure. It believed it would have been preferable for additional information to have been gathered, including from fishing companies. Nevertheless, and in the overriding interest of protecting bird populations, the Community concurred with the revised Conservation Measure 29/XVI (see also paragraph 6.50).

9.6 Conservation Measures 72/XII (prohibition of directed fishing for finfish in Subarea 48.1) and 73/XII (prohibition of directed fishing for finfish in Subarea 48.2) were revised in accordance with the introduction of new longline fisheries for *Dissostichus* spp. (SC-CAMLR-XVI, paragraphs 5.36 to 5.38). The revised Conservation Measures 72/XVI and 73/XVI were adopted.

9.7 Conservation Measure 103/XV for the fishery for *Electrona carlsbergi* in Subarea 48.3 was changed in line with the revised provisions for by-catch (SC-CAMLR-XVI, paragraphs 5.144 to 5.147). The revised Conservation Measure 125/XVI was adopted.

9.8 The Commission noted that a biomass survey for *Lepidonotothen squamifrons* in Division 58.4.4 proposed by Ukraine had not taken place and decided that the fishery should be closed until a biomass survey of the design approved by the Scientific Committee shows that the stock could support a sustainable fishery (SC-CAMLR-XVI, paragraph 5.95). Accordingly, Conservation Measure 129/XVI was adopted.

⁴ As amended by Conservation Measure 19/IX which came into force on 1 November 1991 except for waters adjacent to Kerguelen and Crozet Islands.

⁵ Conservation Measures 5/V and 6/V, which prohibit directed fishing for *Notothenia rossii* in Subareas 48.1 and 48.2 respectively, remain in force but are currently encompassed within the provisions in Conservation Measures 72/XVI and 73/XVI.

⁶ Except for waters adjacent to Kerguelen and Crozet Islands

⁷ Except for waters adjacent to Kerguelen and Crozet Islands and Prince Edward Islands

New and Exploratory Fisheries

9.9 The Commission noted the Scientific Committee's advice on new and exploratory fisheries, and that notifications for such fisheries had been considered from nine Members (paragraph 6.3; SC-CAMLR-XVI, paragraphs 9.12 to 9.52). The Commission also noted the different approaches taken by Members in notifying new and exploratory fisheries (paragraph 7.3).

9.10 The Commission agreed that, for the purpose of categorising notification for new and exploratory fisheries for the 1997/98 season, a new fishery in 1996/97 season was considered to have been prosecuted if some fishing effort had been applied. By definition (Conservation Measure 65/XII) such a fishery would then considered an exploratory fishery.

9.11 The European Community and several other Members reiterated their views that variation in the manner in which new and exploratory fisheries had been notified for the 1997/98 season highlighted the need for a coherent framework for the natural and logical development of fisheries (paragraphs 7.26 to 7.28). The Commission agreed that both new and exploratory fisheries should be subject to a data collection plan as described in SC-CAMLR-XVI, Annex 5, Appendix E.

9.12 The Commission noted that the current schedule for submitting fine-scale catch, effort and biological data (Conservation Measure 117/XV) may result in expensive data transmissions or delays in cases where vessels undertook prolonged fishing trips (SC-CAMLR-XVI, Annex 5, paragraph 3.10). It agreed that vessels carrying observers need not collect or submit fine-scale biological data provided that the responsibility for data collection and reporting these data is clearly specified in the bilateral observer agreements. Accordingly, Conservation Measures 121/XVI and 122/XVI were adopted.

9.13 In adopting various conservation measures on new and exploratory fisheries, the Commission reaffirmed its understanding that none of these measures should in any way imply the scope and limitation to future participatory rights of individual Members for those fisheries. Members not currently participating in the new and exploratory fisheries will be entitled to enter the fisheries in subsequent exploratory or other phases on an equal basis (see also paragraph 7.25).

9.14 The Commission agreed that conservation measures for new and exploratory fisheries should, where feasible, follow a standard format indicating the target species, area fished, flag of vessels, catch limit, by-catch provisions and fishing season. In addition, each conservation measure would invoke standard data requirements and a data collection plan (SC-CAMLR-XVI, Annex 5, Appendix E). All vessels engaged in new and exploratory fisheries would carry at all times, scientific observers appointed under the Scheme of International Scientific Observation.

Martialia hyadesi in Subarea 48.3

9.15 The Commission agreed that the jig fishery notified by the Republic of Korea and the UK in Subarea 48.3 (CCAMLR-XVI/21) was an exploratory fishery. It was also agreed that the fishery would have a precautionary catch limit for *M. hyadesi* of 2 500 tonnes, as in 1996/97, and that the fishery would be prosecuted by up to two vessels. The fishing season would be

from 8 November 1997 to the close of the Commission meeting in 1998. In addition, it was agreed that each vessel participating in the fishery would carry at all times, a scientific observer appointed under the CCAMLR Scheme of International Scientific Observation (SC-CAMLR-XVI, paragraphs 9.15 to 9.18). Accordingly, Conservation Measure 145/XVI was adopted.

Dissostichus spp.

9.16 The Commission reviewed the notifications for new longline fisheries by New Zealand in Subareas 88.1 and 88.2, Norway and South Africa in Subarea 48.6, South Africa in Division 58.4.3, South Africa and Ukraine in Division 58.4.4, and Chile in Subareas 48.1, 48.2 and 88.3. It also reviewed the notifications for exploratory fisheries by Russia, South Africa and Ukraine in Subareas 58.6 (outside both French and South African EEZs) and 58.7 (outside the South African EEZ) and Australia in Division 58.4.3. Information provided in the notifications is summarised in paragraphs 4.21 to 4.91 (SC-CAMLR-XVI, Annex 5).

9.17 The Commission agreed on the need for a general conservation measure applicable to all new and exploratory longline fisheries for *Dissostichus* spp. to prevent over-concentration of catch and effort in these fisheries and to promote collection of the information necessary to determine fishery potential. Accordingly, Conservation Measure 133/XVI was adopted.

9.18 New Zealand wishes to note that it considers that there is a need in future to assess the relevance of applying this measure to only one fishing method. This point arises from New Zealand's concern that in future CCAMLR will increasingly be faced with fisheries involving both longlining and trawling in the same area. New Zealand believes the Commission should attempt to ensure that the measures applied, be it in the longline or trawl fishery, are effective in achieving this objective and so New Zealand suggests that in reviewing this measure next year the Commission also considers the effectiveness of measures that may have been applied to other fishing methods.

9.19 The Commission agreed that the precautionary catch limits for the new and exploratory fisheries would follow advice based on the best information available provided by the Scientific Committee (SC-CAMLR-XVI, Table 5). Further, the Commission agreed that the precautionary catch limits in Table 5 could be transferred between *D. eleginoides* and *D. mawsoni* within a statistical area. Importantly, precautionary catch limits could not be transferred between areas defined in Table 5.

9.20 In respect of longline fishing seasons for *Dissostichus* spp. in the Convention Area, the Commission noted the unanimous general advice of the Scientific Committee that the start of the longline fishing season in the Convention Area shall be delayed until 1 May (SC-CAMLR-XVI, paragraph 4.61). It noted that the Scientific Committee also provided detailed advice in respect of consideration of seabird by-catch for opening and closing of longline fishing seasons for the subareas and divisions relevant to each of the proposed new and exploratory longline fisheries for *Dissostichus* spp. (SC-CAMLR-XVI, paragraphs 9.75 to 9.86, 9.98 to 9.101 and Table 8).

9.21 Where dates of closing of longline fisheries in respect of considerations of seabird by-catch were recommended in SC-CAMLR-XVI, Table 8, column 3, these were adopted by the Commission for the new and exploratory longline fisheries for *Dissostichus* spp. The closing

date of 31 August was also applied to the existing longline fisheries for *Dissostichus* spp. in Subareas 48.3 and 48.4.

9.22 In respect of the recommended date of opening of the longline fishing season for *Dissostichus* spp. in the Convention Area, the Commission noted that several Members would have insufficient time to enable associated changes in national fisheries legislation to be made. Consequently, the Commission agreed that the measure recommended by the Scientific Committee be phased in over a period of two years. Where dates of opening of longline fisheries in respect of considerations of seabird by-catch were recommended in SC-CAMLR-XVI, Table 8, column 3, the Commission set the opening date for the longline fisheries in the 1997/98 season as 1 April 1998; the opening date for these longline fisheries in the 1998/99 season should be 1 May 1999.

9.23 The Commission agreed that the exploratory longline fishery by New Zealand in Subarea 88.1 (notified as a new fishery) would have a precautionary catch limit for *Dissostichus* spp. of 338 tonnes north of 65°S, and 1 172 tonnes south of 65°S, and the fishing season would be from 15 February to 31 August 1998. Accordingly, Conservation Measure 143/XVI was adopted.

9.24 The Commission agreed that the new longline fishery by New Zealand in Subarea 88.2 would have a precautionary catch limit for *Dissostichus* spp. of 25 tonnes north of 65°S, and 38 tonnes south of 65°S, and the fishing season would be from 15 February to 31 August 1998. Accordingly, Conservation Measure 139/XVI was adopted.

9.25 In respect of the conservation measures for the *Dissostichus* spp. fisheries in Subareas 88.1 and 88.2, New Zealand would like to record its concern about the limitations of bathymetric data available to WG-FSA used to derive catch limits for these subareas. It will wish to revisit this matter at CCAMLR-XVII, and also to revisit the issue of catch division north and south of 65°S latitude. In respect of the *Dissostichus* spp. fishery in Subarea 88.2, New Zealand notes that a very small catch limit has been set. New Zealand will make every effort to prosecute a directed fishery for *Dissostichus* spp. in this subarea in 1998 but notes that the economics of fishing for such a tonnage put this fishery in doubt.

9.26 The Commission agreed that the new longline fishery by Norway and South Africa in Subarea 48.6 would have a precautionary catch limit for *Dissostichus* spp. of 888 tonnes north of 65°S, and 648 tonnes south of 65°S. The fishing season would be from 1 March to 31 August 1998 north of 60°S, and 15 February to 15 October 1998 south of 60°S. Accordingly, Conservation Measure 136/XVI was adopted.

9.27 The Commission agreed that the new longline fishery by South Africa in Division 58.4.3 would have a precautionary catch limit for *Dissostichus* spp. of 1 782 tonnes (2 745 tonnes minus 963 tonnes; refer to paragraph 9.37) north of 60°S, and 29 tonnes south of 60°S, and the fishing season would be from 1 April to 31 August 1998. Accordingly, Conservation Measure 137/XVI was adopted.

9.28 The Commission agreed that the new longline fishery by South Africa and Ukraine in Division 58.4.4 would have a precautionary catch limit for *Dissostichus* spp. of 580 tonnes north of 60°S, and 0 tonnes south of 60°S, and the fishing season would be from 1 April to 31 August 1998. Accordingly, Conservation Measure 138/XVI was adopted.

9.29 The Commission noted the new longline fisheries by Chile in Subareas 48.1 and 48.2, and the current prohibition of directed fishing for finfish (Conservation Measures 72/XII and 73/XII). The rationale for the longline fisheries was reviewed (SC-CAMLR-XVI, paragraphs 9.31 to 9.37), and the Commission agreed that these fisheries could proceed on the condition that a feasibility study be conducted in each subarea between 15 February and 31 March 1998, and prior to commercial fishing. Chile agreed to provide the results of these studies to the Secretariat for circulation to Members. The vessel undertaking the survey would carry a scientific observer, appointed under the Scheme of International Scientific Observation, as well as scientists. Should the average catch rate for *Dissostichus* spp. in any subarea during the feasibility survey be greater than, or equal to, 0.1 kg/hook, then Chile would begin a new longline fishery in that subarea using a maximum of three vessels.

9.30 For Subarea 48.1, the precautionary catch limit for *Dissostichus* spp. was 1 863 tonnes north of 65°S, and 94 tonnes south of 65°S. The fishing season, if initiated, would be from 1 April to 31 August 1998. Accordingly, Conservation Measure 72/XII was revised and adopted as 72/XVI, and Conservation Measure 134/XVI was adopted.

9.31 For Subarea 48.2, the precautionary catch limit for *Dissostichus* spp. was 429 tonnes north of 60°S, and 972 tonnes south of 60°S. The fishing season, if initiated, would be from 1 April to 31 August 1998. Accordingly, Conservation Measure 73/XII was revised and adopted as 73/XVI and Conservation Measure 135/XVI was adopted.

9.32 The Commission agreed that the new longline fishery by Chile in Subarea 88.3 would have a precautionary catch limit for *Dissostichus* spp. of 0 tonnes north of 65°S, and 455 tonnes south of 65°S, and the fishing season would be from 15 February to 31 October 1998. As is the case for Subareas 48.1 and 48.2, Chile planned to conduct a feasibility study prior to initiating any new fishery using a maximum of three vessels. The vessel undertaking the survey would carry a scientific observer, appointed under the Scheme of International Scientific Observation, as well as scientists. Accordingly, Conservation Measure 140/XVI was adopted.

9.33 The Commission agreed that the exploratory longline fishery by Russia, South Africa and Ukraine in Subarea 58.6, outside both the French and South African EEZs, would have a precautionary catch limit for *Dissostichus* spp. of 658 tonnes, derived from Table 5 and information on catch limits allocated by France for waters adjacent to the Crozet Island (1 200 tonnes). The fishing season would be from 1 April to 31 August 1998. Accordingly, Conservation Measure 141/XVI was adopted.

9.34 The Commission agreed that the exploratory longline fishery by Russia, South Africa and Ukraine in Subarea 58.7, outside the South African EEZ, would have a precautionary catch limit for *Dissostichus* spp. of 312 tonnes. The fishing season would be from 1 April to 31 August 1998. Accordingly, Conservation Measure 142/XVI was adopted.

9.35 South Africa informed the Commission that at the time of the Commission's meeting, it had not made any catch allocation with respect to its *D. eleginoides* fishery in the waters adjacent to the Prince Edward Islands within Subareas 58.6, 58.7 and Division 58.4.4.

9.36 The European Community noted that this catch limit of 312 tonnes for the exploratory fisheries is against the background of the Scientific Committee's advice on a precautionary

total catch limit for these fisheries in Subarea 58.7 of 468 tonnes in the 1997/98 fishing season.

9.37 The Commission agreed that the exploratory trawl fishery by Australia in Division 58.4.3 would have a precautionary catch limit for *Dissostichus* spp. of 963 tonnes (see also paragraph 9.27) north of 60°S, and 0 tonnes south of 60°S, and the fishing season would be from 8 November 1997 to the close of the Commission meeting in 1998. Accordingly, Conservation Measure 144/XVI was adopted.

Fish Resources

Dissostichus eleginoides

9.38 The Commission noted the advice of the Scientific Committee regarding the catch limit for the longline fishery for *D. eleginoides* in Subarea 48.3 during 1997/98. The Commission applied a discount factor to the value of 3 540 tonnes obtained by WG-FSA (SC-CAMLR-XVI, paragraphs 5.53 to 5.57), and agreed that the catch limit for the 1997/98 season would be 3 300 tonnes. The fishing season would be from 1 April to 31 August 1998. Accordingly, Conservation Measure 124/XVI was adopted.

9.39 The Commission endorsed the advice of the Scientific Committee that a catch limit of 3 700 tonnes should apply to the trawl fishery for *D. eleginoides* in Division 58.5.2 in 1997/98 (refer to paragraph 9.37; SC-CAMLR-XVI, paragraphs 5.109, 5.110 and 5.121). The fishing season would be from 8 November 1997 to the close of the Commission meeting in 1998. Accordingly, Conservation Measure 131/XVI was adopted.

9.40 The Commission endorsed the Scientific Committee's revision of by-catch provisions for Division 58.5.2. Accordingly, Conservation Measure 132/XVI was adopted.

9.41 The Commission expressed grave concern at the level of illegal and unreported fishing which had occurred during the 1996/97 season. It agreed that a general conservation measure should be implemented during the 1997/98 season prohibiting the take of *Dissostichus* spp. in any subarea or division of the Convention Area which was not covered by conservation measures for *Dissostichus* spp. fisheries. Accordingly, Conservation Measure 120/XVI prohibiting fisheries for *Dissostichus* spp. in Subarea 48.5 and Divisions 58.4.1 and 58.4.2 was adopted. Directed fishing for *D. mawsoni* in Subarea 48.4 was explicitly prohibited by the inclusion of a zero catch limit in Conservation Measure 128/XVI.

Champscephalus gunnari

9.42 Argentina drew the attention of the Commission to the uncertainty about the status of the stocks of *C. gunnari* reflected in the Scientific Committee report (SC-CAMLR-XVI, paragraph 5.69). It noted that the recent UK survey showed that while the stock has recovered from previous low levels, it comprises fish mostly in age classes 2 and 3 and its size remains at about 50% of the accumulated catches in the early 1980s. In its view, these facts indicate that the stock size is below the provisions of Article II in relation to depleted stocks.

9.43 Argentina noted that the Commission should make a decision on either taking the conservative yield agreed by the Scientific Committee for this season (SC-CAMLR-XVI, paragraph 5.73) or affording further protection to the stock, which they believe to be in line with the conservative approach to management recommended by the Scientific Committee in paragraph 5.72 (SC-CAMLR-XVI).

9.44 The Commission noted the concerns expressed by Argentina regarding the state of the *C. gunnari* stock in Subarea 48.3 in relation to historical levels. It also noted plans to continue addressing the long-term management strategies during the intersessional period, and workshop prior to WG-FSA-98.

9.45 The Commission endorsed the advice of the Scientific Committee that a catch limit of 4 520 tonnes was a conservative estimate of yield and should be applied to the midwater trawl fishery for *C. gunnari* in Subarea 48.3 in 1997/98 (SC-CAMLR-XVI, paragraph 5.73), and that by-catch measures should apply to protect juvenile *C. gunnari* and other species (SC-CAMLR-XVI, paragraphs 5.75 and 5.76). The fishing season would be closed from 1 April to the end of the Commission meeting in 1998. Accordingly, Conservation Measure 123/XVI was adopted.

9.46 The Commission endorsed the advice of the Scientific Committee that a catch limit of 900 tonnes should apply to the Australian trawl fishery for *C. gunnari* on the plateau surrounding Heard Island in Division 58.5.2 in 1997/98 (SC-CAMLR-XVI, paragraphs 5.113, 5.114 and 5.118), and that by-catch measures should apply to protect juvenile *C. gunnari* and other species. The fishing season would be from 8 November 1997 to the end of the Commission meeting in 1998. Accordingly, Conservation Measure 130/XVI was adopted.

9.47 Australia supports a precautionary approach to the management of all fish stocks of the Southern Ocean, including those of *C. gunnari* in Division 58.5.2, in accordance with the best available scientific advice. Australia is therefore extremely disappointed that its proposal to prohibit directed fishing for *C. gunnari* outside the Heard Island plateau in Division 58.5.2 had not been adopted by the Commission.

9.48 Australia believes that such a prohibition would be consistent with the recommendation of the Scientific Committee that directed fishing for *C. gunnari* on Shell Bank be avoided. While the Scientific Committee did not assess *C. gunnari* outside these two localities, Australia believes that to adopt a precautionary approach and prohibit directed fishing in these areas would be consistent with the approach being adopted for *Dissostichus* spp. in Divisions 58.4.1, 58.4.2 and Subarea 48.5 where there is also no advice from the Scientific Committee.

9.49 Accordingly, Australia wishes to advise the Commission that it will be taking a more precautionary approach to the management of the Australian EEZ around Heard and McDonald Islands and will prohibit directed fishing for *C. gunnari* in the area outside the Heard Island plateau as defined by Conservation Measure 130/XVI.

9.50 Australia advised the Commission that any fishing or fisheries research activities in that part of Division 58.4.3/58.5.2 which constitutes the Australian EEZ around the Australian Territory of Heard Island and McDonald Islands must have the prior approval of Australian authorities. The Australian EEZ extends up to 200 n miles from the Territory. Australia regards unauthorised fishing in its waters as a serious matter which undermines efforts to

ensure fishing occurs only on an ecologically sustainable basis. Unauthorised vessels are liable to prosecution.

9.51 Australia seeks the assistance of other CCAMLR Members in ensuring their nationals are aware of the limits of the Australian EEZ and the need for prior permission to fish there. The Delegation of Australia distributed maps which showed the position of its EEZ in relation to CCAMLR Divisions 58.5.2 and 58.4.3 to delegates. Any enquiries about fishing in the Australian EEZ should be made initially to the Australian Fisheries Management Authority (AFMA).

9.52 South Africa stated that it wholeheartedly supported the Australian statement in regard to the need to eliminate illegal and unregulated fishing within the Convention Area. Consequently, it strongly aligned its views with those of Australia in respect of similar action South Africa will take within the waters adjacent to the Prince Edward Islands.

General Measures

9.53 The Commission agreed to adopt three conservation measures based on the recommendations of SCOI (Appendices III, IV and V). Accordingly, Conservation Measures 118/XVI, 119/XVI and 120/XVI were adopted.

9.54 Argentina stated that it would have preferred the adoption of a general prohibition measure in relation to *Dissostichus* spp. as had been unanimously approved in the SCOI report (Annex 5), as this would have provided an important legal instrument with which to confront the increasing illegal fishing activities within the CCAMLR area, which is currently threatening such species.

9.55 Chile adhered to the general sentiment of Argentina's statement concerning the text of Conservation Measure 120/XVI but could readily accept such a measure in the context of the adoption of Conservation Measure 119/XVI and of the Resolution concerning the VMS (12/XVI), both of them providing useful deterrents for illegal fishing.

Vessel Monitoring System

9.56 The Commission noted the urgency of stopping the high level of illegal, unregulated and unreported harvesting of *D. eleginoides* in the Convention Area that is undermining the effectiveness of the Convention.

9.57 Taking into account the abovementioned reasons, the Commission adopted Resolution 12/XVI.

9.58 The Commission also strongly encouraged Members to establish, as soon as possible, an automated VMS to monitor the position of its flag vessels licensed or permitted to fish in waters adjacent to the Convention Area.

9.59 The Delegation of Argentina reserves its position concerning Subareas 48.3 and 48.4. The objective of this reservation is to preserve widely the application of the multilateral

regime of the Convention in those subareas. Argentina once again refers to the Argentinian documents which have been formally distributed to Members as well as to paragraph 13.1 and other relevant paragraphs of the CCAMLR-XV report. This reservation recalls that all Member States fully enjoy the rights deriving from the application of the multilateral regime of the Convention in Subareas 48.3 and 48.4. Exceptions are only admitted in the case of islands over which a State Sovereignty is recognised by all Contracting Parties.

9.60 Argentina does not recognise the UK as a Coastal State in the Convention Area. This reservation obviously excludes any possibility to utilise the multilateral regime of the Convention and its conservation measures in Subareas 48.3 and 48.4 for purposes other than the requirements contained in the multilateral regime.

9.61 In response, the UK stated that any State which wished to reserve its position regarding an international text had a responsibility to inform the other States concerned as to what that reservation meant for them.

9.62 The UK indicated that it had sought to gain an explanation from Argentina as to the meaning of their reservation, but that had not been forthcoming. Given that the adopted text was a resolution and thus not binding on Parties, the UK saw no need for a reservation.

9.63 In the UK's view, the reservation has the following characteristics: indefinite duration referring as it does to the 'existing controversy'; it deals with a geographic area, the subject of Coastal State jurisdiction, yet the resolution is directed at Flag State responsibility; and refers to the whole of Subareas 48.3 and 48.4 yet the controversy is confined to the maritime zone of South Georgia and the South Sandwich Islands.

9.64 In the UK's opinion the reservation means one or more of the following:

- (i) that Argentina was reserving its position regarding the interpretation and application of the Convention;
- (ii) that the resolution would not apply to Argentinian-flagged fishing vessels in Subareas 48.3 and 48.4; or
- (iii) that the resolution would not apply to any fishing vessels in those two subareas.

9.65 In the absence of a reasoned explanation of its reservation, the UK was of the view that the reservation could have no effect.

9.66 The Delegation of Argentina answered that it does not agree with the declarations made by the UK, and that Argentina's position with respect to the matter has been thoroughly explained on more than one occasion, during and before the meeting, as reflected *inter alia* in paragraphs 9.59 and 9.60.

CEMP Monitoring Site

9.67 In accordance with Conservation Measure 18/XIII, which requires a review of CEMP management plans every five years to determine whether revisions are required and whether

continued protection is necessary, the Seal Island CEMP site was reviewed by the Scientific Committee (SC-CAMLR-XVI, paragraphs 4.17 to 4.20).

9.68 The Commission approved the recommendation by the Scientific Committee that the revised management plan for the Seal Island CEMP site be accepted and that the site protection be extended for the next five years (SC-CAMLR-XVI, paragraph 4.35). The revised management plan is included as Annex 18/B of Conservation Measure 18/XIII.

9.69 The Commission welcomed and endorsed the establishment by Norway of a CEMP monitoring site at Nyrøysa, on the west coast of Bouvet Island (SC-CAMLR-XVI, paragraph 4.35). The management plan had been submitted to, and endorsed by, WG-EMM. The Commission also noted that site protection had been provided by national Norwegian legislation. Bouvet Island, and its surrounding territorial waters out to 4 n miles, are designated a nature reserve (Royal Decree, 17 December 1971).

CONSERVATION MEASURES ADOPTED IN 1997

CONSERVATION MEASURE 29/XVI^{1,2}

Minimisation of the Incidental Mortality of Seabirds in the Course of Longline Fishing or Longline Fishing Research in the Convention Area

The Commission,

Noting the need to reduce the incidental mortality of seabirds during longline fishing by minimising their attraction to fishing vessels and by preventing them from attempting to seize baited hooks, particularly during the period when the lines are set,

Adopts the following measures to reduce the possibility of incidental mortality of seabirds during longline fishing.

1. Fishing operations shall be conducted in such a way that the baited hooks sink as soon as possible after they are put in the water. Only thawed bait shall be used.
2. For vessels using the Spanish method of longline fishing, weights should be released before line tension occurs; weights of at least 6 kg mass should be used, spaced at intervals of no more than 20 m.
3. Longlines shall be set at night only (i.e. during the hours of darkness between the times of nautical twilight³)⁴. During longline fishing at night, only the minimum ship's lights necessary for safety shall be used.
4. The dumping of offal is prohibited while longlines are being set. The dumping of offal during the haul shall be avoided as far as possible; if discharge of offal during the haul is unavoidable, this discharge shall take place on the opposite side of the vessel to that where longlines are hauled.
5. Every effort should be made to ensure that birds captured alive during longlining are released alive and that wherever possible hooks are removed without jeopardising the life of the bird concerned.

6. A streamer line designed to discourage birds from settling on baits during deployment of longlines shall be towed. Specification of the streamer line and its method of deployment is given in the Appendix to this Measure. Details of the construction relating to the number and placement of swivels may be varied so long as the effective sea surface covered by the streamers is no less than that covered by the currently specified design. Details of the device dragged in the water in order to create tension in the line may also be varied.
7. Other variations in the design of streamer lines may be tested on vessels carrying two observers, at least one appointed in accordance with the CCAMLR Scheme of International Scientific Observation, providing that all other elements of this Conservation Measure are complied with⁵.

¹ Except for waters adjacent to the Kerguelen and Crozet Islands.

² Except for waters adjacent to the Prince Edward Islands.

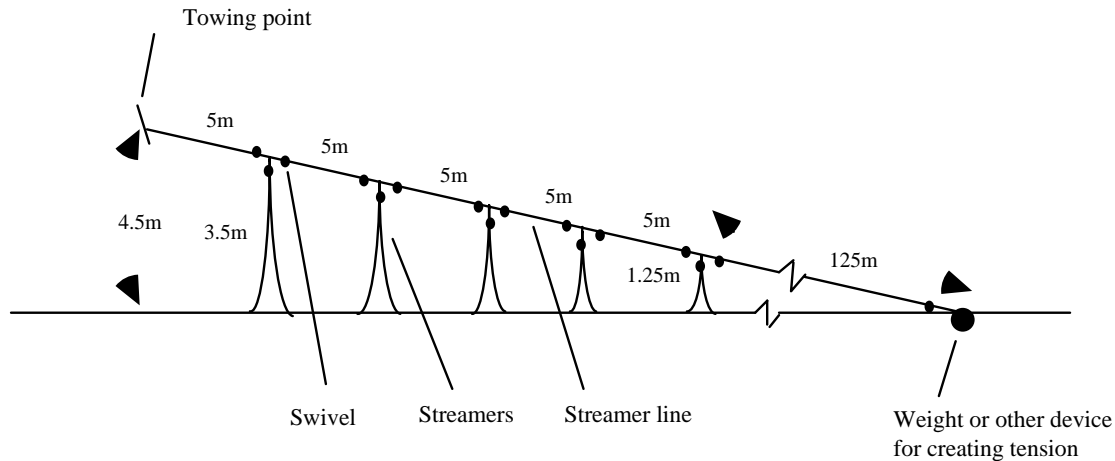
³ The exact times of nautical twilight are set forth in the Nautical Almanac tables for the relevant latitude, local time and date. All times, whether for ship operations or observer reporting, shall be referenced to GMT.

⁴ Wherever possible, setting of lines should be completed at least three hours before sunrise (to reduce loss of bait to/catches of white-chinned petrels).

⁵ The streamer lines under test should be constructed and operated taking full account of the principles set out in WG-IMALF-94/19 (available from the CCAMLR Secretariat); testing should be carried out independently of actual commercial fishing and in a manner consistent with the spirit of Conservation Measure 65/XII.

APPENDIX TO CONSERVATION MEASURE 29/XVI

1. The streamer line is to be suspended at the stern from a point approximately 4.5 m above the water and such that the line is directly above the point where the baits hit the water.
2. The streamer line is to be approximately 3 mm diameter, have a minimum length of 150 m and have a device at the end to create tension so that the main line streams directly behind the ship even in cross winds.
3. At 5 m intervals commencing from the point of attachment to the ship five branch streamers each comprising two strands of approximately 3 mm diameter cord should be attached. The length of the streamer should range between approximately 3.5 m nearest the ship to approximately 1.25 m for the fifth streamer. When the streamer line is deployed the branch streamers should reach the sea surface and periodically dip into it as the ship heaves. Swivels should be placed in the streamer line at the towing point, before and after the point of attachment of each branch streamer and immediately before any weight placed on the end of the streamer line. Each branch streamer should also have a swivel at its attachment to the streamer line.



CONSERVATION MEASURE 72/XVI
 Prohibition of Directed Fishing for Finfish other than
 Longlining for *Dissostichus* spp. in Statistical Subarea 48.1

Taking of finfish, other than for scientific research purposes, with the exception of longlining for *Dissostichus* spp. in waters deeper than 600 m in accordance with Conservation Measure 134/XVI, is prohibited in Statistical Subarea 48.1 from 8 November 1997 until at least such time that a survey of stock biomass is carried out, its results reported to and analysed by the Working Group on Fish Stock Assessment and a decision that the fishery be reopened is made by the Commission based on the advice of the Scientific Committee.

CONSERVATION MEASURE 73/XVI
 Prohibition of Directed Fishing for Finfish other than
 Longlining for *Dissostichus* spp. in Statistical Subarea 48.2

Taking of finfish, other than for scientific research purposes, with the exception of longlining for *Dissostichus* spp. in waters deeper than 600 m in accordance with Conservation Measure 135/XVI, is prohibited in Statistical Subarea 48.2 from 8 November 1997 until at least such time that a survey of stock biomass is carried out, its results reported to and analysed by the Working Group on Fish Stock Assessment and a decision that the fishery be reopened is made by the Commission based on the advice of the Scientific Committee.

CONSERVATION MEASURE 118/XVI
 Scheme to Promote Compliance by non-Contracting Party
 Vessels with CCAMLR Conservation Measures

The Commission hereby adopts the following Conservation Measure in accordance with Article IX.2(i) of the Convention:

1. A non-Contracting Party vessel which has been sighted engaging in fishing activities in the Convention Area is presumed to be undermining the effectiveness of CCAMLR Conservation Measures. In the case of any transshipment activities involving a sighted non-Contracting Party vessel inside or outside the Convention Area, the presumption of undermining the effectiveness of CCAMLR Conservation Measures applies to any other non-Contracting Party Vessel which has engaged in such activities with that vessel.
2. Information regarding such sightings shall be transmitted immediately to the Commission in accordance with Article XXII of the Convention. The Secretariat shall transmit this information to all Contracting Parties within one business day of receiving this information, and to the Flag State of the sighted vessel as soon as possible.
3. The Contracting Party which sights the non-Contracting Party vessel shall attempt to inform the vessel that it has been sighted engaging in fishing activities in the Convention Area and is accordingly presumed to be undermining the objective of the Convention and that this information will be distributed to all Contracting Parties to the Convention and to the Flag State of the vessel.
4. When a non-Contracting Party vessel referred to in paragraph 1 enters a port of any Contracting Party, it shall be inspected by authorised Contracting Party officials knowledgeable of CCAMLR Conservation Measures and shall not be allowed to land or tranship any fish until this inspection has taken place. Such inspections shall include the vessel's documents, logbooks, fishing gear, catch on board and any other matter relating to the vessel's activities in the Convention Area.
5. Landings and transshipments of all fish from a non-Contracting Party vessel which has been inspected pursuant to paragraph 4, shall be prohibited in all Contracting Party ports if such inspection reveals that the vessel has on board species subject to CCAMLR Conservation Measures, unless the vessel establishes that the fish were caught outside the Convention Area or in compliance with all relevant CCAMLR Conservation Measures and requirements under the Convention.
6. Contracting Parties shall ensure that their vessels do not receive transshipments of fish from a non-Contracting Party vessel which has been sighted and reported as having engaged in fishing activities in the Convention Area and therefore presumed as having undermined the effectiveness of CCAMLR Conservation Measures.
7. Information on the results of all inspections of non-Contracting Party vessels conducted in the ports of Contracting Parties, and on any subsequent action, shall be transmitted immediately to the Commission. The Secretariat shall transmit this information immediately to all Contracting Parties and to the relevant Flag State(s).

CONSERVATION MEASURE 119/XVI^{1,2}

Requirement for Contracting Parties to Licence
their Flag Vessels in the Convention Area

The Commission hereby adopts the following Conservation Measure in accordance with Article IX of the Convention:

Each Contracting Party shall prohibit fishing by its flag vessels in the Convention Area except pursuant to a licence or permit that the Contracting Party has issued setting forth the specific areas and time periods during which such fishing is authorised and all other specific conditions to which the fishing is subject to give effect to CCAMLR Conservation Measures and requirements under the Convention.

¹ Except for waters adjacent to the Kerguelen and Crozet Islands

² Except for waters adjacent to the Prince Edward Islands

CONSERVATION MEASURE 120/XVI

Prohibition on Directed Fishing for *Dissostichus* spp.
except in Accordance with Specific Conservation Measures

The Commission,

Concerned to ensure the regulation of directed fishing for *Dissostichus* spp. in all statistical areas and subareas in the Convention Area, and

Noting that Conservation Measures in respect of the regulation of *Dissostichus* spp. have been agreed for all areas except Subarea 48.5 and Divisions 58.4.1 and 58.4.2,

hereby adopts the following Conservation Measure in accordance with Article IX of the Convention:

Directed fishing for *Dissostichus* spp. in Subarea 48.5 and Divisions 58.4.1 and 58.4.2 is prohibited from the close of the 1997 Commission meeting until the close of the 1998 Commission meeting.

CONSERVATION MEASURE 121/XVI^{1,2}

Monthly Fine-Scale Biological Data Reporting System
for Trawl and Longline Fisheries

The Commission hereby adopts the following Conservation Measure in accordance with Conservation Measure 7/V, where appropriate.

This Conservation Measure is invoked by the Conservation Measures to which it is attached.

1. Specification of 'target species' and 'by-catch species' referred to in this Conservation Measure shall be made in the Conservation Measure to which it is attached.
2. At the end of each month each Contracting Party shall obtain from each of its vessels representative samples of length composition measurements of the target species and by-catch species from the fishery (Form B2, latest version). It shall transmit those data in the specified form to the Executive Secretary not later than the end of the following month.
3. For the purpose of implementing this Conservation Measure:

- (i) length measurements of fish should be of total length to the nearest centimetre below;
 - (ii) a representative sample of length composition should be taken from each single fine-scale grid rectangle (0.5° latitude by 1° longitude) in which fishing occurs. In the event that the vessel moves from one fine-scale grid rectangle to another during the course of a month, then a separate length composition should be submitted for each fine-scale grid rectangle.
4. Should a Contracting Party fail to transmit the fine-scale length composition data to the Executive Secretary in the appropriate form by the deadline specified in paragraph 2, the Executive Secretary shall issue a reminder to the Contracting Party. If at the end of a further two months those data have still not been provided, the Executive Secretary shall notify all Contracting Parties of the closure of the fishery to vessels of the Contracting Party which has failed to supply the data as required.

¹ Except for waters adjacent to the Kerguelen and Crozet Islands.

² Except for waters adjacent to the Prince Edward Islands.

CONSERVATION MEASURE 122/XVI^{1,2}
Monthly Fine-Scale Catch and Effort Data Reporting System
for Trawl and Longline Fisheries

The Commission hereby adopts the following Conservation Measure in accordance with Conservation Measure 7/V, where appropriate.

This Conservation Measure is invoked by the Conservation Measures to which it is attached.

1. Specification of 'target species' and 'by-catch species' referred to in this Conservation Measure shall be made in the Conservation Measure to which it is attached.
2. At the end of each month each Contracting Party shall obtain from each of its vessels the data required to complete the CCAMLR fine-scale catch and effort data form (trawl fisheries Form C1, latest version or longline fisheries Form C2, latest version). It shall transmit those data in the specified format to the Executive Secretary not later than the end of the following month.
3. The catch of all target and by-catch species must be reported by species.
4. The numbers of seabirds and marine mammals of each species caught and released or killed must be reported.
5. Should a Contracting Party fail to transmit the fine-scale catch and effort data to the Executive Secretary in the appropriate form by the deadline specified in paragraph 2, the Executive Secretary shall issue a reminder to the Contracting Party. If at the end of

a further two months those data have still not been provided, the Executive Secretary shall notify all Contracting Parties of the closure of the fishery to vessels of the Contracting Party which has failed to supply the data as required.

¹ Except for waters adjacent to the Kerguelen and Crozet Islands.

² Except for waters adjacent to the Prince Edward Islands.

CONSERVATION MEASURE 123/XVI

Limitation of the Total Catch of *Champocephalus gunnari* in Statistical Subarea 48.3 in the 1997/98 Season

The Commission hereby adopts the following Conservation Measure in accordance with Conservation Measure 7/V:

1. The total catch of *Champocephalus gunnari* in the 1997/98 season shall be limited to 4 520 tonnes in Statistical Subarea 48.3.
2. The fishery for *Champocephalus gunnari* in Statistical Subarea 48.3 shall close if the by-catch of any of the species listed in Conservation Measure 95/XIV reaches its by-catch limit or if the total catch of *Champocephalus gunnari* reaches 4 520 tonnes, whichever is sooner.
3. If, in the course of the directed fishery for *Champocephalus gunnari*, the by-catch in any one haul of any of the species named in Conservation Measure 95/XIV
 - is greater than 100 kg and exceeds 5% of the total catch of all fish by weight, or
 - is equal to or greater than 2 tonnes, then

the fishing vessel shall move to another location at least 5 n miles distant¹. The fishing vessel shall not return to any point within 5 n miles of the location where the by-catch of species named in Conservation Measure 95/XIV exceeded 5% for a period of at least five days². The location where the by-catch exceeded 5% is defined as the path followed by the fishing vessel from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel.

4. Where any haul contains more than 100 kg of *Champocephalus gunnari*, and more than 10% of the *Champocephalus gunnari* by number are smaller than 240 mm total length, the fishing vessel shall move to another fishing location at least 5 n miles distant¹. The fishing vessel shall not return to any point within 5 n miles of the location where the catch of small *Champocephalus gunnari* exceeded 10%, for a period of at least five days². The location where the catch of small *Champocephalus gunnari* exceeded 10% is defined as the path followed by the fishing vessel from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel.
5. The use of bottom trawls in the directed fishery for *Champocephalus gunnari* in Statistical Subarea 48.3 is prohibited.
6. The fishery for *Champocephalus gunnari* in Statistical Subarea 48.3 shall be closed from 1 April 1998 until the end of the Commission meeting in 1998.

7. Each vessel participating in the directed fishery for *Champscephalus gunnari* in Subarea 48.3 in the 1997/98 season shall have a scientific observer, appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.
8. For the purpose of implementing paragraphs 1 and 2 of this Conservation Measure:
 - (i) the Five-day Catch and Effort Reporting System set out in Conservation Measure 51/XII shall apply in the 1997/98 season; and
 - (ii) the Monthly Fine-scale Catch and Effort Data Reporting System set out in Conservation Measure 122/XVI shall apply for *Champscephalus gunnari*. Data shall be reported on a haul-by-haul basis.
9. Fine-scale biological data, as required under Conservation Measure 121/XVI shall be collected and recorded. Such data shall be reported in accordance with the Scheme of International Scientific Observation.
 - ¹ This provision is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.
 - ² The specified period is adopted in accordance with the reporting period specified in Conservation Measure 51/XII, pending the adoption of a more appropriate period by the Commission.

CONSERVATION MEASURE 124/XVI
Limits on the Fishery for *Dissostichus eleginoides*
in Statistical Subarea 48.3 for the 1997/98 Season

The Commission hereby adopts the following Conservation Measure in accordance with Conservation Measure 7/V:

1. The total catch of *Dissostichus eleginoides* in Statistical Subarea 48.3 in the 1997/98 season shall be limited to 3 300 tonnes.
2. For the purposes of the fishery for *Dissostichus eleginoides* in Statistical Subarea 48.3, the 1997/98 fishing season is defined as the period from 1 April to 31 August 1998, or until the catch limit is reached, whichever is the sooner.
3. Each vessel participating in the *Dissostichus eleginoides* fishery in Statistical Subarea 48.3 in the 1997/98 season shall have at least one scientific observer, including one appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.
4. For the purpose of implementing this Conservation Measure:
 - (i) the Five-day Catch and Effort Reporting System set out in Conservation Measure 51/XII shall apply in the 1997/98 season, commencing on 1 April 1998; and
 - (ii) the Monthly Fine-scale Catch and Effort Reporting System set out in Conservation Measure 122/XVI shall apply in the 1997/98 season, commencing on

1 April 1998. Data shall be submitted on a haul-by-haul basis. For the purpose of Conservation Measure 122/XVI the target species is *Dissostichus eleginoides* and 'by-catch species' are defined as any species other than *Dissostichus eleginoides*.

5. Fine-scale biological data, as required under Conservation Measure 121/XVI shall be collected and recorded. Such data shall be reported in accordance with the System of International Scientific Observation.
6. Directed fishing shall be by longlines only. The use of all other methods of directed fishing for *Dissostichus eleginoides* in Statistical Subarea 48.3 shall be prohibited.

CONSERVATION MEASURE 125/XVI

Precautionary Catch Limit for *Electrona carlsbergi*
in Statistical Subarea 48.3 for the 1997/98 Season

The Commission adopts the following Conservation Measure in accordance with Conservation Measure 7/V:

1. For the purposes of this Conservation Measure the fishing season for *Electrona carlsbergi* is defined as the period from 8 November 1997 to the end of the Commission meeting in 1998.
2. The total catch of *Electrona carlsbergi* in the 1997/98 season shall be limited to 109 000 tonnes in Statistical Subarea 48.3.
3. In addition, the total catch of *Electrona carlsbergi* in the 1997/98 season shall be limited to 14 500 tonnes in the Shag Rocks region, defined as the area bounded by 52°30'S, 40°W; 52°30'S, 44°W; 54°30'S, 40°W and 54°30'S, 44°W.
4. In the event that the catch of *Electrona carlsbergi* is expected to exceed 20 000 tonnes in the 1997/98 season, a survey of stock biomass and age structure shall be conducted during that season by the principal fishing nations involved. A full report of this survey including data on stock biomass (specifically including area surveyed, survey design and density estimates), age structure and the biological characteristics of the by-catch shall be made available in advance for discussion at the 1998 meeting of the Working Group on Fish Stock Assessment.
5. The directed fishery for *Electrona carlsbergi* in Statistical Subarea 48.3 shall close if the by-catch of any of the species named in Conservation Measure 95/XIV reaches its by-catch limit or if the total catch of *Electrona carlsbergi* reaches 109 000 tonnes, whichever is sooner.
6. The directed fishery for *Electrona carlsbergi* in the Shag Rocks region shall close if the by-catch of any of the species named in Conservation Measure 95/XIV reaches its by-catch limit or if the total catch of *Electrona carlsbergi* reaches 14 500 tonnes, whichever is sooner.

7. If, in the course of the directed fishery for *Electrona carlsbergi*, the by-catch in any one haul of any species other than the target species
- is greater than 100 kg and exceeds 5% of the total catch of all fish by weight, or
 - is equal to or greater than 2 tonnes, then

the fishing vessel shall move to another fishing location at least 5 n miles distant¹. The fishing vessel shall not return to any point within 5 n miles of the location where the by-catch of species, other than the target species, exceeded 5%, for a period of at least five days². The location where the by-catch exceeded 5% is defined as the path followed by the fishing vessel from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel.

8. For the purpose of implementing this Conservation Measure:
- (i) the Catch Reporting System set out in Conservation Measure 40/X shall apply in the 1997/98 season;
 - (ii) the Monthly Fine-scale Catch and Effort Data Reporting System set out in Conservation Measure 122/XVI shall also apply in the 1997/98 season. For the purposes of Conservation Measure 122/XVI, the target species is *Electrona carlsbergi*, and 'by-catch species' are defined as any cephalopod, crustacean or fish species other than *Electrona carlsbergi*; and
 - (iii) the Monthly Fine-scale Biological Data Reporting System set out in Conservation Measure 121/XVI shall also apply in the 1997/98 season. For the purposes of Conservation Measure 121/XVI, the target species is *Electrona carlsbergi*, and 'by-catch species' are defined as any cephalopod, crustacean or fish species other than *Electrona carlsbergi*. For the purposes of paragraph 8(ii) of Conservation Measure 121/XVI a representative sample shall be a minimum of 500 fish.

¹ This provision is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.

² The specified period is adopted in accordance with the reporting period specified in Conservation Measure 51/XII, pending the adoption of a more appropriate period by the Commission.

CONSERVATION MEASURE 126/XVI
Limits on the Crab Fishery in Statistical Subarea 48.3
in the 1997/98 Season

The Commission hereby adopts the following Conservation Measure in accordance with Conservation Measure 7/V:

1. The crab fishery is defined as any commercial harvest activity in which the target species is any member of the crab group (Order Decapoda, Suborder Reptantia).

2. In Statistical Subarea 48.3, the crab fishing season is defined as the period from 8 November 1997 to end of the Commission meeting in 1998, or until the catch limit is reached, whichever is sooner.
3. The crab fishery shall be limited to one vessel per Member.
4. The total catch of crab from Statistical Subarea 48.3 shall be limited to 1 600 tonnes during the 1997/98 crab fishing season.
5. Each vessel participating in the crab fishery in Subarea 48.3 in the 1997/98 season shall have a scientific observer, appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.
6. Each Member intending to participate in the crab fishery shall notify the CCAMLR Secretariat at least three months in advance of starting fishing of the name, type, size, registration number, radio call sign, and research and fishing operations plan of the vessel that the Member has authorised to participate in the crab fishery.
7. All vessels fishing for crab shall report the following data to CCAMLR by 31 August 1998 for crabs caught prior to 31 July 1998:
 - (i) the location, date, depth, fishing effort (number and spacing of pots and soak time), and catch (numbers and weight) of commercially sized crabs (reported on as fine a scale as possible, but no coarser than 0.5° latitude by 1.0° longitude) for each 10-day period;
 - (ii) the species, size, and sex of a representative subsample of crab sampled according to the procedure set out in Annex 126/A (between 35 and 50 crabs shall be sampled every day from the line hauled just prior to noon) and by-catch caught in traps; and
 - (iii) other relevant data, as possible, according to the requirements set out in Annex 126/A.
8. For the purposes of implementing this Conservation Measure, the Ten-day Catch and Effort Reporting System set out in Conservation Measure 61/XII shall apply.
9. Data on catches taken between 31 July 1998 and 31 August 1998 shall be reported to CCAMLR by 30 September 1998 so that the data will be available to the Working Group on Fish Stock Assessment.
10. Crab fishing gear shall be limited to the use of crab pots (traps). The use of all other methods of catching crabs (e.g., bottom trawls) shall be prohibited.
11. The crab fishery shall be limited to sexually mature male crabs – all female and undersized male crabs caught shall be released unharmed. In the case of *Paralomis spinosissima* and *Paralomis formosa*, males with a minimum carapace width of 102 mm and 90 mm, respectively, may be retained in the catch.

12. Crab processed at sea shall be frozen as crab sections (minimum size of crabs can be determined using crab sections).

ANNEX 126/A

DATA REQUIREMENTS ON THE
CRAB FISHERY IN STATISTICAL SUBAREA 48.3

Catch and Effort Data:

Cruise Descriptions

cruise code, vessel code, permit number, year.

Pot Descriptions

diagrams and other information, including pot shape, dimensions, mesh size, funnel position, aperture and orientation, number of chambers, presence of an escape port.

Effort Descriptions

date, time, latitude and longitude of the start of the set, compass bearing of the set, total number of pots set, spacing of pots on the line, number of pots lost, depth, soak time, bait type.

Catch Descriptions

retained catch in numbers and weight, by-catch of all species (see Table 1), incremental record number for linking with sample information.

Table 1: Data requirements for by-catch species in the crab fishery in Statistical Subarea 48.3.

Species	Data Requirements
<i>Dissostichus eleginoides</i>	Numbers and estimated total weight
<i>Notothenia rossii</i>	Numbers and estimated total weight
Other Species	Estimated total weight

Biological Data:

For these data, crabs are to be sampled from the line hauled just prior to noon, by collecting the entire contents of a number of pots spaced at intervals along the line so that between 35 and 50 specimens are represented in the subsample.

Cruise Descriptions

cruise code, vessel code, permit number.

Sample Descriptions

date, position at start of the set, compass bearing of the set, line number.

Data

species, sex, length of at least 35 individuals, presence/absence of rhizocephalan parasites, record of the destination of the crab (kept, discarded, destroyed), record of the pot number from which the crab comes.

CONSERVATION MEASURE 127/XVI

Prohibition of Directed Fishery on *Gobionotothen gibberifrons*,
Chaenocephalus aceratus, *Pseudochaenichthys georgianus*,
Lepidonotothen squamifrons and *Patagonotothen guntheri*
in Statistical Subarea 48.3 for the 1997/98 Season

The Commission hereby adopts the following Conservation Measure in accordance with Conservation Measure 7/V:

Directed fishing on *Gobionotothen gibberifrons*, *Chaenocephalus aceratus*, *Pseudochaenichthys georgianus*, *Lepidonotothen squamifrons* and *Patagonotothen guntheri* in Statistical Subarea 48.3 is prohibited in the 1997/98 season, defined as the period from 8 November 1997 to the end of the Commission meeting in 1998.

CONSERVATION MEASURE 128/XVI

Catch Limit on *Dissostichus eleginoides* and *Dissostichus mawsoni*
in Statistical Subarea 48.4 for the 1997/98 Season

1. The total catch of *Dissostichus eleginoides* in Statistical Subarea 48.4 in the 1997/98 season shall be limited to 28 tonnes.
2. Taking of *Dissostichus mawsoni*, other than for scientific research purposes, is prohibited.
3. For the purposes of the fishery for *Dissostichus eleginoides* in Statistical Subarea 48.4, the 1997/98 fishing season is defined as the period from 1 April to 31 August 1998, or until the catch limit for *Dissostichus eleginoides* in Subarea 48.4 is reached, or until the catch limit for *Dissostichus eleginoides* in Subarea 48.3, as specified in Conservation Measure 124/XVI, is reached, whichever is sooner.
4. Each vessel participating in the *Dissostichus eleginoides* fishery in Statistical Subarea 48.4 in the 1997/98 season shall have at least one scientific observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.
5. For the purpose of implementing this Conservation Measure:
 - (i) the Five-day Catch and Effort Reporting System set out in Conservation Measure 51/XII shall apply in the 1997/98 season, commencing on 1 April 1998; and
 - (ii) the Monthly Fine-scale Catch and Effort Data Reporting System set out in Conservation Measure 122/XVI shall apply in the 1997/98 season, commencing on 1 April 1998. Data shall be reported on a haul-by-haul basis. For the purposes of Conservation Measure 122/XVI, the target species is *Dissostichus eleginoides*, and 'by-catch species' are defined as any species other than *Dissostichus eleginoides*.

6. Fine-scale biological data, as required under Conservation Measure 121/XVI shall be collected and recorded. Such data shall be reported in accordance with the Scheme of International Scientific Observation.
7. Directed fishing shall be by longlines only. The use of all other methods of directed fishing for *Dissostichus eleginoides* in Statistical Subarea 48.4 shall be prohibited.

CONSERVATION MEASURE 129/XVI

Prohibition of Directed Fishing for *Lepidonotothen squamifrons*
in Statistical Division 58.4.4 (Ob and Lena Banks)

Directed fishing for *Lepidonotothen squamifrons*, other than for scientific research purposes, is prohibited in Statistical Division 58.4.4 from 8 November 1997 until at least such time that a survey of stock biomass is carried out, its results reported to and analysed by the Working Group on Fish Stock Assessment and a decision that the fishery be reopened is made by the Commission based on the advice of the Scientific Committee.

CONSERVATION MEASURE 130/XVI

Fishery for *Champscephalus gunnari* in Statistical Division 58.5.2
in the 1997/98 Fishing Season

1. The total catch for *Champscephalus gunnari* on the Heard Island plateau shall be limited to 900 tonnes in the 1997/98 fishing season.
2. Fishing shall cease if the by-catch of any of the species listed in Conservation Measure 132/XVI (other species) reaches its by-catch limit.
3. For the purposes of this Conservation Measure, the Heard Island plateau is defined as that portion of Statistical Division 58.5.2 that lies within the area bounded by the following limits:
 - (i) starting at the point where the 72°15'E meridian intersects the Australia–France Maritime Delimitation Agreement Boundary southwards to the point 53°25'S:72°15'E;
 - (ii) then eastwards along the parallel of 53°25'S to 74°00'E;
 - (iii) then to the point 52°40'S:76°00'E;
 - (iv) then northwards along the meridian 76°00'E to 52°00'S;
 - (v) then to the point 51°00'S:74°30'E; and
 - (vi) then westwards along the parallel of 51°00'S to connect with the starting point.

A chart illustrating the above definition is appended to this Conservation Measure (Annex 130/A).

4. For the purposes of this fishery on *Champocephalus gunnari*, the 1997/98 fishing season is defined as the period from 8 November 1997 to the end of the Commission meeting in 1998.
5. The catch limit may only be taken by trawling.
6. Where any haul contains more than 100 kg of *Champocephalus gunnari*, and more than 10% of the *Champocephalus gunnari* by number are smaller than 240 mm total length, the fishing vessel shall move to another fishing location at least 5 n miles distant¹. The fishing vessel shall not return to any point within 5 n miles of the location where the catch of small *Champocephalus gunnari* exceeded 10% for a period of at least five days². The location where the catch of small *Champocephalus gunnari* exceeded 10% is defined as the path followed by the fishing vessel from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel.
7. Each vessel participating in the fishery shall have at least one scientific observer, and include, if available, one appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities.
8. Each vessel operating in the *Champocephalus gunnari* fishery in Statistical Division 58.5.2 shall have a VMS³ at all times.
9. A ten-day catch and effort reporting system shall be implemented:
 - (i) for the purposes of implementing this system, the calendar month shall be divided into three reporting periods, viz: day 1 to day 10, day 11 to day 20 and day 21 to the last day of the month. The reporting periods are hereafter referred to as periods A, B and C;
 - (ii) at the end of each reporting period, each Contracting Party participating in the fishery shall obtain from each of its vessels its total catch and total days and hours fished for that period and shall, by cable, telex, facsimile or electronic transmission, transmit the aggregated catch and days and hours fished for its vessels so as to reach the Executive Secretary no later than the end of the next reporting period;
 - (iii) a report must be submitted by every Contracting Party taking part in the fishery for each reporting period for the duration of the fishery, even if no catches are taken;
 - (iv) the catch of *Champocephalus gunnari* and of all by-catch species must be reported;
 - (v) such reports shall specify the month and reporting period (A, B and C) to which each report refers;
 - (vi) immediately after the deadline has passed for receipt of the reports for each period, the Executive Secretary shall notify all Contracting Parties engaged in

fishing activities in the division of the total catch taken during the reporting period and the total aggregate catch for the season to date; and

- (vii) at the end of every three reporting periods, the Executive Secretary shall inform all Contracting Parties of the total catch taken during the three most recent reporting periods and the total aggregate catch for the season to date.
10. A fine-scale effort and biological data reporting system shall be implemented:
- (i) the scientific observer(s) aboard each vessel shall collect the data required to complete the CCAMLR fine-scale catch and effort data form C1, latest version. These data shall be submitted to the CCAMLR Secretariat not later than one month after the vessel returns to port;
 - (ii) the catch of *Champtocephalus gunnari* and all by-catch species must be reported;
 - (iii) the numbers of seabirds and marine mammals of each species caught and released or killed must be reported;
 - (iv) the scientific observers(s) aboard each vessel shall collect data on the length composition from representative samples of *Champtocephalus gunnari* and by-catch species:
 - (a) length measurements shall be to the nearest centimetre below; and
 - (b) representative samples of length composition shall be taken from each fine-scale grid rectangle (0.5° latitude by 1° longitude) fished in each calendar month; and
 - (v) the above data shall be submitted to the CCAMLR Secretariat not later than one month after the vessel returns to port.
11. If, in the course of the directed fishery for *Champtocephalus gunnari*, the by-catch in any one haul of any one of the species *Notothenia rossii*, *Lepidonotothen squamifrons*, *Channichthys rhinoceratus* or *Bathyraja* spp. either,
- is greater than 100 kg and exceeds 5% of the total catch of all fish by weight, or,
 - is equal to, or greater than 2 tonnes, then

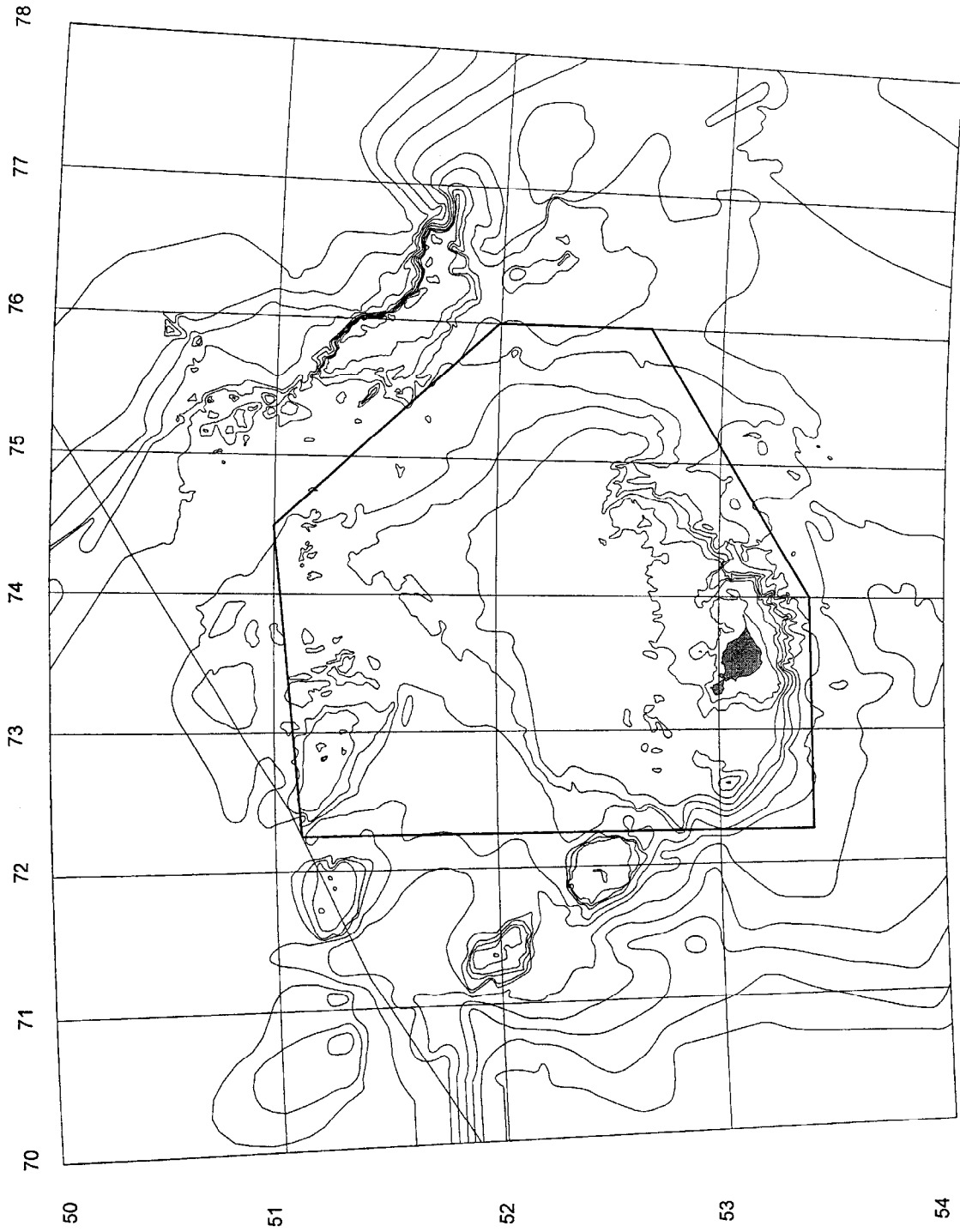
the fishing vessel shall move to another fishing location at least 5 n miles distant¹. The fishing vessel shall not return to any point within 5 n miles of the location where the by-catch exceeded 5% for a period of at least five days². The location where the by-catch exceeded 5% is defined as the path followed by the fishing vessel from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel.

¹ This provision is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.

² The specified period is adopted in accordance with the reporting period specified in Conservation Measure 51/XII, pending the adoption of a more appropriate period by the Commission.

³ As described in Resolution 12/XVI

CHART OF THE HEARD ISLAND PLATEAU



CONSERVATION MEASURE 131/XVI

Precautionary Catch Limits on the Fishery for *Dissostichus eleginoides*
in Statistical Division 58.5.2 for the 1997/98 Season

1. The total catch of *Dissostichus eleginoides* in Statistical Division 58.5.2 in the 1997/98 season shall be limited to 3 700 tonnes.
2. For the purposes of this Conservation Measure the 1997/98 season is defined as the period from 8 November 1997 to the end of the Commission meeting in 1998.
3. Fishing shall cease if the by-catch of any of the species listed in Conservation Measure 132/XVI reaches its by-catch limit.
4. The catch limit may only be taken by trawling.
5. Each vessel participating in the *Dissostichus eleginoides* fishery in Statistical Division 58.5.2 shall have at least one scientific observer and, if available, one appointed in accordance with the CCAMLR Scheme of International Scientific Observation on board throughout all fishing activities.
6. Each vessel operating in the *Dissostichus eleginoides* fishery in Statistical Division 58.5.2 shall have a VMS¹ at all times.
7. A ten-day catch and effort reporting system shall be implemented:
 - (i) for the purpose of implementing this system, the calendar month shall be divided into three reporting periods viz: day 1 to day 10, day 11 to day 20, day 21 to the last day of the month. These reporting periods are hereinafter referred to as periods A, B and C;
 - (ii) at the end of each reporting period, each Contracting Party participating in the fishery shall obtain from each of its vessels its total catch and total days and hours fished for the period and shall, by electronic transmission, cable, telex or facsimile, transmit the aggregated catch and days and hours fished for its vessels so as to reach the Executive Secretary not later than the end of the next reporting period;
 - (iii) a report must be submitted by every Contracting Party taking part in the fishery for each reporting period for the duration of the fishery, even if no catches are taken;
 - (iv) the catch of *Dissostichus eleginoides* and by-catch species must be reported;
 - (v) such reports will specify the month and reporting period (A, B and C) to which each report refers;
 - (vi) immediately after the deadline has passed for receipt of the reports for each period, the Executive Secretary shall notify all Contracting Parties engaged in fishing activities in the division of the total catch taken during the reporting period and the total aggregate catch for the season to date; and

- (vii) at the end of every three reporting periods, the Executive Secretary shall inform all Contracting Parties of the total catch taken during the three most recent reporting periods and the total aggregate catch for the season to date.
8. A fine-scale effort and biological data reporting system shall be implemented:
- (i) the scientific observer(s) aboard each vessel shall collect the data required to complete the CCAMLR fine-scale catch and effort data form C1, latest version. These data shall be submitted to the CCAMLR Secretariat not later than one month after the vessel returns to port;
 - (ii) the catch of *Dissostichus eleginoides* and all by-catch species must be reported;
 - (iii) the numbers of seabirds and marine mammals of each species caught and released or killed must be reported;
 - (iv) the scientific observer(s) aboard each vessel shall collect data on the length composition from representative samples of *Dissostichus eleginoides* and by-catch species:
 - (a) length measurements shall be to the nearest centimetre below; and
 - (b) representative samples of length composition shall be taken from each fine-scale grid rectangle (0.5° latitude by 1° longitude) fished in each calendar month.

The above data shall be submitted to the CCAMLR Secretariat not later than one month after the vessel returns to port.

9. If in the course of a directed fishery for *Dissostichus eleginoides*, the by-catch in any one haul of the species *Lepidonotothen squamifrons*, *Notothenia rossii*, *Channichthys rhinoceratus* or *Bathyraja* spp. either,
- (i) is greater than 100 kg and exceeds 5% of the total catch of fish species by weight, or,
 - (ii) is equal to, or greater than 2 tonnes, then

the fishing vessel shall move to another fishing location at least 5 n miles distant². The fishing vessel shall not return to any point within 5 n miles of the location where the by-catch exceeded 5% for a period of at least five days³. The location where the by-catch exceeded 5% is defined as the path followed by the fishing vessel from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel.

10. The total number and weight of *Dissostichus eleginoides* discarded, including those with the jellymeat condition, shall be reported. These fish will count towards the total allowable catch.

¹ As described in Resolution 12/XVI

² This provision is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.

³ The specified period is adopted in accordance with the reporting period specified in Conservation Measure 51/XII, pending the adoption of a more appropriate period by the Commission.

CONSERVATION MEASURE 132/XVI

Limitation of the Catch of *Lepidonotothen squamifrons*, *Notothenia rossii*
Channichthys rhinoceratus and *Bathyraja* spp. and Other Species
in Statistical Division 58.5.2 in the 1997/98 Fishing Season

1. There shall be no directed fishing for *Lepidonotothen squamifrons*, *Notothenia rossii*, *Channichthys rhinoceratus* or *Bathyraja* spp. in Statistical Division 58.5.2 in the 1997/98 fishing season.
2. In directed fisheries in Statistical Division 58.5.2 in the 1997/98 fishing season, the by-catch of *Lepidonotothen squamifrons* shall not exceed 325 tonnes; the by-catch of *Channichthys rhinoceratus* shall not exceed 80 tonnes; and the by-catch of *Bathyraja* spp. shall not exceed 120 tonnes.
3. The by-catch of any fish species not mentioned in paragraph 2, and for which there is no other catch limit in force, shall not exceed 50 tonnes in Statistical Division 58.5.2.

CONSERVATION MEASURE 133/XVI^{1,2}

General Measures for New and Exploratory Longline Fisheries
for *Dissostichus* spp. in the Convention Area for the 1997/98 Season

The Commission,

Noting the need for the distribution of fishing effort and appropriate catch levels in fine-scale rectangles³ in these new fisheries,

adopts the following Conservation Measure:

1. Fishing should take place over as large a geographical and bathymetric range as possible to obtain the information necessary to determine fishery potential and to avoid over-concentration of catch and effort. To this end, fishing in any fine-scale rectangle shall cease when the reported catch reaches 100 tonnes and that rectangle shall be closed to fishing for the remainder of the season. Fishing in any fine-scale rectangle shall be restricted to one vessel at any one time.
2. In order to give effect to paragraph 1 above:

- (i) the precise geographic position of the mid-point between the start and end of the longline shall be determined using appropriate means;
 - (ii) catch and effort information for each species by fine-scale rectangle shall be reported to the Executive Secretary every five days using the Five-Day Catch and Effort Reporting System set out in Conservation Measure 51/XII; and
 - (iii) the Secretariat shall notify Contracting Parties participating in these fisheries when the total longline catch for *Dissostichus eleginoides* and *Dissostichus mawsoni* combined in any fine-scale rectangle exceeds 100 tonnes.
3. The by-catch of any species in the new and exploratory fisheries other than *Dissostichus* spp. in the Statistical Subareas and Divisions concerned shall be limited to 50 tonnes.
 4. The total number and weight of *Dissostichus eleginoides* and *Dissostichus mawsoni* discarded, including those with the 'jellymeat' condition, shall be reported.
 - 5². Each vessel participating in the new and exploratory fisheries for *Dissostichus* spp. during the 1997/98 season shall have on board at least one scientific observer, appointed in accordance with the CCAMLR Scheme of International Scientific Observation, throughout all fishing activities within the fishing season.
 6. The data collection plan (Annex 133/A) shall be implemented. Data collected pursuant to the plan for the period up to 31 August 1998 shall be reported to CCAMLR by 30 September 1998 so that the data will be available to the 1998 meeting of the Working Group on Fish Stock Assessment. Such data taken after 31 August shall be reported to CCAMLR not later than three months after the closure of the fishery.

¹ Except for waters adjacent to the Kerguelen and Crozet Islands.

² Except for waters adjacent to the Prince Edward Islands.

³ A fine-scale rectangle is defined as an area of 0.5° latitude by 1° longitude with respect to the northwest corner of the Statistical Subarea or Division. The identification of each rectangle is by the latitude of its northernmost boundary and the longitude of the boundary closest to 0°.

ANNEX 133/A

DATA COLLECTION PLAN FOR NEW AND EXPLORATORY LONGLINE FISHERIES

1. All vessels will comply with conditions set by CCAMLR. These include five-day catch and effort reporting system (Conservation Measure 51/XII) and monthly fine-scale effort and biological data reporting system (Conservation Measures 121/XVI and 122/XVI) will be followed.
2. All data required by the CCAMLR *Scientific Observers Manual* for finfish fisheries will be collected. These include:
 - (i) haul-by-haul catch and catch per effort by species;
 - (ii) haul-by-haul length frequency of common species;
 - (iii) sex and gonad state of common species;
 - (iv) diet and stomach fullness;

- (v) scales and/or otoliths for age determination;
 - (vi) by-catch of fish and other organisms; and
 - (vii) observation on occurrence and incidental mortality of seabirds and mammals in relation to fishing operations.
3. Data specific to longline fisheries will be collected. These include:
- (i) number of fish lost at surface;
 - (ii) number of hooks set;
 - (iii) bait type;
 - (iv) baiting success (%);
 - (v) hook type;
 - (vi) setting, soak, and hauling times;
 - (vii) sea depth at each end of line on hauling; and
 - (viii) bottom type.

CONSERVATION MEASURE 134/XVI

New Fishery for *Dissostichus eleginoides* and *Dissostichus mawsoni*
in Statistical Subarea 48.1 in the 1997/98 Season

The Commission,

Welcoming the notification of Chile of its intention to conduct a new fishery in Statistical Subarea 48.1 for *Dissostichus eleginoides* and *Dissostichus mawsoni* in the 1997/98 season,

adopts the following Conservation Measure in accordance with Conservation Measure 31/X:

1. Fishing for *Dissostichus eleginoides* and *Dissostichus mawsoni* in Statistical Subarea 48.1 shall be limited to the new fishery by Chile. The fishery shall be conducted by Chilean flagged vessels using longlining only.
2. The precautionary catch for Subarea 48.1 shall be limited to 1 863 tonnes of *Dissostichus* spp. north of 65°S and 94 tonnes of *Dissostichus* spp. south of 65°S. In the event that these limits are reached, the fishery shall be closed.
3. For the purpose of this new fishery, the fishing season is defined as the period from 1 April until 31 August 1998¹.
4. The directed fishery for the above species shall be carried out in accordance with Conservation Measures 29/XVI and 133/XVI.
5. Each vessel participating in the new fishery will be required to operate a VMS² at all times.

¹ However, a first prospective cruise will be carried out between 15 February and 31 March 1998.

² As described in Resolution 12/XVI

CONSERVATION MEASURE 135/XVI

New Fishery for *Dissostichus eleginoides* and *Dissostichus mawsoni*
in Statistical Subarea 48.2 in the 1997/98 Season

The Commission,

Welcoming the notification of Chile of its intention to conduct a new fishery in Statistical Subarea 48.2 for *Dissostichus eleginoides* and *Dissostichus mawsoni* in the 1997/98 season,

adopts the following Conservation Measure in accordance with Conservation Measure 31/X:

1. Fishing for *Dissostichus eleginoides* and *Dissostichus mawsoni* in Statistical Subarea 48.2 shall be limited to the new fishery by Chile. The fishery shall be conducted by Chilean flagged vessels using longlining only.
2. The precautionary catch for Subarea 48.2 shall be limited to 429 tonnes of *Dissostichus* spp. north of 60°S and 972 tonnes of *Dissostichus* spp. south of 60°S. In the event that these limits are reached, the fishery shall be closed.
3. For the purpose of this new fishery, the fishing season is defined as the period from 1 April until 31 August 1998¹.
4. The directed fishery for the above species shall be carried out in accordance with Conservation Measures 29/XVI and 133/XVI.
5. Each vessel participating in the new fishery will be required to operate a VMS² at all times.

¹ However, a first prospective cruise will be carried out between 15 February and 31 March 1998.

² As described in Resolution 12/XVI

CONSERVATION MEASURE 136/XVI

New Fisheries for *Dissostichus eleginoides* and *Dissostichus mawsoni*
in Statistical Subarea 48.6 in the 1997/98 Season

The Commission,

Welcoming the notification of Norway and South Africa of their intention to conduct new fisheries in Statistical Subarea 48.6 for *Dissostichus eleginoides* and *Dissostichus mawsoni* in the 1997/98 season,

adopts the following Conservation Measure in accordance with Conservation Measure 31/X:

1. Fishing for *Dissostichus eleginoides* and *Dissostichus mawsoni* in Statistical Subarea 48.6 shall be limited to the new fisheries by Norway and South Africa. The fisheries shall be conducted by Norwegian and South African flagged vessels using longlining only.

2. The precautionary catch for Subarea 48.6 shall be limited to 888 tonnes of *Dissostichus* spp. north of 65°S and 648 tonnes of *Dissostichus* spp. south of 65°S. In the event that these limits are reached, the fisheries shall be closed.
3. For the purpose of these new fisheries, the fishing season to the north of 60°S is defined as the period from 1 March until 31 August 1998. The fishing season south of 60°S is defined as the period from 15 February until 15 October 1998.
4. The directed fisheries for the above species shall be carried out in accordance with Conservation Measures 29/XVI and 133/XVI.
5. Each vessel participating in the new fisheries will be required to operate a VMS¹ at all times.

¹ As described in Resolution 12/XVI

CONSERVATION MEASURE 137/XVI

New Longline Fishery for *Dissostichus eleginoides* and *Dissostichus mawsoni* in Statistical Division 58.4.3 in the 1997/98 Season

The Commission,

Welcoming the notification of South Africa of its intention to conduct a new longline fishery in Statistical Division 58.4.3 for *Dissostichus eleginoides* and *Dissostichus mawsoni* in the 1997/98 season,

adopts the following Conservation Measure in accordance with Conservation Measure 31/X:

1. Fishing for *Dissostichus eleginoides* and *Dissostichus mawsoni* in Statistical Division 58.4.3 shall be limited to the new fishery by South Africa. The fishery shall be conducted by South African flagged vessels using longlining only.
2. The precautionary catch for Division 58.4.3 shall be limited to 1 782 tonnes of *Dissostichus* spp. north of 60°S, to be taken by longline. In the event that this limit is reached, the longline fishery shall be closed.
3. For the purpose of this new longline fishery, the fishing season is defined as the period from 1 April until 31 August 1998.
4. The directed longline fishery for the above species shall be carried out in accordance with Conservation Measures 29/XVI and 133/XVI.
5. Each vessel participating in the new longline fishery will be required to operate a VMS¹ at all times.

¹ As described in Resolution 12/XVI

CONSERVATION MEASURE 138/XVI¹
New Fisheries for *Dissostichus eleginoides* in
Statistical Division 58.4.4 in the 1997/98 Season

The Commission,

Welcoming the notification of South Africa and Ukraine of their intention to conduct new fisheries in Statistical Division 58.4.4 for *Dissostichus eleginoides* in the 1997/98 season,

adopts the following Conservation Measure in accordance with Conservation Measure 31/X:

1. Fishing for *Dissostichus eleginoides* in Statistical Division 58.4.4 shall be limited to the new fisheries by South Africa and Ukraine. The fisheries shall be conducted by South African and Ukrainian flagged vessels using longlining only.
2. The precautionary catch for Division 58.4.4 shall be limited to 580 tonnes of *Dissostichus* spp. north of 60°S, to be taken by longline. In the event that this limit is reached, the fisheries shall be closed.
3. For the purpose of these new fisheries, the fishing season is defined as the period from 1 April until 31 August 1998.
4. The directed fisheries for the above species shall be carried out in accordance with Conservation Measures 29/XVI and 133/XVI.

¹ Except for waters adjacent to the Prince Edward Islands

CONSERVATION MEASURE 139/XVI
New Fishery for *Dissostichus eleginoides* and *Dissostichus mawsoni*
in Statistical Subarea 88.2 in the 1997/98 Season

The Commission,

Welcoming the notification of New Zealand of its intention to conduct a new fishery in Statistical Subarea 88.2 for *Dissostichus eleginoides* and *Dissostichus mawsoni* in the 1997/98 season,

adopts the following Conservation Measure in accordance with Conservation Measure 31/X:

1. Fishing for *Dissostichus eleginoides* and *Dissostichus mawsoni* in Statistical Subarea 88.2 shall be limited to the new fishery by New Zealand. The fishery shall be conducted by New Zealand flagged vessels using longlining only.
2. The precautionary catch for Subarea 88.2 shall be limited to 25 tonnes of *Dissostichus* spp. north of 65°S and 38 tonnes of *Dissostichus* spp. south of 65°S. In the event that these limits are reached, the fishery shall be closed.
3. For the purpose of this new fishery, the fishing season is defined as the period from 15 February until 31 August 1998.

4. The directed fishery for the above species shall be carried out in accordance with Conservation Measures 29/XVI and 133/XVI.
5. Each vessel participating in the new fishery will be required to operate a VMS¹ at all times.

¹ As described in Resolution 12/XVI

CONSERVATION MEASURE 140/XVI
New Fishery for *Dissostichus eleginoides* and *Dissostichus mawsoni*
in Statistical Subarea 88.3 in the 1997/98 Season

The Commission,

Welcoming the notification of Chile of its intention to conduct a new fishery in Statistical Subarea 88.3 for *Dissostichus eleginoides* and *Dissostichus mawsoni* in the 1997/98 season,

adopts the following Conservation Measure in accordance with Conservation Measure 31/X:

1. Fishing for *Dissostichus eleginoides* and *Dissostichus mawsoni* in Statistical Subarea 88.3 shall be limited to the new fishery by Chile. The fishery shall be conducted by Chilean flagged vessels using longlining only.
2. The precautionary catch for Subarea 88.3 shall be limited to 455 tonnes of *Dissostichus* spp. south of 65°S. In the event that this limit is reached, the fishery shall be closed.
3. For the purpose of this new fishery, the fishing season is defined as the period from 15 February until 31 October 1998¹.
4. The directed fishery for the above species shall be carried out in accordance with Conservation Measures 29/XVI and 133/XVI.
5. Each vessel participating in the new fishery will be required to operate a VMS² at all times.

¹ A first prospective cruise will be carried out between 15 February and 31 March 1998.

² As described in Resolution 12/XVI

CONSERVATION MEASURE 141/XVI^{1,2}
Exploratory Fisheries for *Dissostichus eleginoides*
in Statistical Subarea 58.6 in the 1997/98 Season

The Commission hereby adopts the following Conservation Measure in accordance with Conservation Measure 65/XII:

1. Fishing for *Dissostichus eleginoides* in Statistical Subarea 58.6 shall be limited to the exploratory fisheries by Russia, South Africa and Ukraine. The fisheries shall be

conducted by no more than two flagged vessels of each of these Contracting Parties using longlining only.

2. The precautionary catch limit for these exploratory fisheries in Statistical Subarea 58.6 shall be limited to 658 tonnes of *Dissostichus eleginoides*. In the event that the catch by these vessels reaches the catch limit, the fisheries shall be closed.
3. For the purpose of these exploratory fisheries, the fishing season is defined as the period from 1 April until 31 August 1998.
4. The directed fisheries for the above species shall be carried out in accordance with Conservation Measures 29/XVI and 133/XVI.

¹ Except for waters adjacent to the Crozet Islands

² Except for waters adjacent to the Prince Edward Islands

CONSERVATION MEASURE 142/XVI¹
Exploratory Fisheries for *Dissostichus eleginoides*
in Statistical Subarea 58.7 in the 1997/98 Season

The Commission hereby adopts the following Conservation Measure in accordance with Conservation Measure 65/XII:

1. Fishing for *Dissostichus eleginoides* in Statistical Subarea 58.7 shall be limited to the exploratory fisheries by Russia, South Africa and Ukraine. The fisheries shall be conducted by one flagged vessel of each of these Contracting Parties using longlining only.
2. The precautionary catch limit for these exploratory fisheries in Statistical Subarea 58.7 shall be limited to 312 tonnes of *Dissostichus eleginoides*. In the event that the catch by these vessels reaches the catch limit, the fisheries shall be closed.
3. For the purpose of these exploratory fisheries, the fishing season is defined as the period from 1 April until 31 August 1998.
4. The directed fisheries for the above species shall be carried out in accordance with Conservation Measures 29/XVI and 133/XVI.

¹ Except for waters adjacent to the Prince Edward Islands

CONSERVATION MEASURE 143/XVI
Exploratory Fishery for *Dissostichus eleginoides* and *Dissostichus mawsoni*
in Statistical Subarea 88.1 in the 1997/98 Season

The Commission hereby adopts the following Conservation Measure in accordance with Conservation Measure 65/XII:

1. Fishing for *Dissostichus eleginoides* and *Dissostichus mawsoni* in Statistical Subarea 88.1 shall be limited to the exploratory fishery by New Zealand. The fishery shall be conducted by New Zealand flagged vessels using longlining only.
2. The precautionary catch for Subarea 88.1 shall be limited to 338 tonnes of *Dissostichus* spp. north of 65°S and 1 172 tonnes of *Dissostichus* spp. south of 65°S. In the event that these limits are reached, the fishery shall be closed.
3. For the purpose of this exploratory fishery, the fishing season is defined as the period from 15 February until 31 August 1998.
4. The directed fishery for the above species shall be carried out in accordance with Conservation Measures 29/XVI and 133/XVI.
5. Each vessel participating in the exploratory fishery will be required to operate a VMS¹ at all times.

¹ As described in Resolution 12/XVI

CONSERVATION MEASURE 144/XVI

Exploratory Fishery for *Dissostichus* spp. taken by the Trawl Method
in Statistical Division 58.4.3 in the 1997/98 Season

The Commission hereby adopts the following Conservation measure in accordance with Conservation Measure 65/XII:

1. Fishing for *Dissostichus* spp. by trawl in Statistical Division 58.4.3 north of 60°S shall be limited to the exploratory fishery by Australian flagged vessels only. The total catch of *Dissostichus* spp. in the 1997/98 season shall not exceed 963 tonnes taken by the trawl method.
2. For the purposes of this Conservation Measure the 1997/98 season is defined as the period from 8 November 1997 to the end of the Commission meeting in 1998 or until the catch limit is reached, whichever is the sooner.
3. Each vessel participating in the exploratory fishery for *Dissostichus* spp. in Statistical Division 58.4.3 shall have at least one scientific observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation on board throughout all fishing activities within the Division.
4. Each vessel operating in the exploratory fishery for *Dissostichus* spp. in Statistical Division 58.4.3 shall have a VMS¹ at all times.
5. For the purpose of implementing this Conservation Measure:
 - (i) the Five-day Catch and Effort Reporting System set out in Conservation Measure 51/XII shall apply; and

- (ii) the monthly fine-scale biological data, as required under Conservation Measure 121/XVI, shall be recorded and reported in accordance with the System of International Scientific Observation.
6. If in the course of a directed fishery for *Dissostichus* spp., the by-catch in any one haul of the species *Lepidonotothen squamifrons*, *Notothenia rossii*, *Channichthys rhinoceratus* or *Bathyraja* spp. either,
- (i) is greater than 100 kg and exceeds 5% of the total catch of fish species by weight; or,
 - (ii) is equal to, or greater than 2 tonnes, then

the fishing vessel shall move to another fishing location at least 5 n miles distant². The fishing vessel shall not return to any point within 5 n miles of the location where the by-catch exceeded 5% for a period of at least five days³. The location where the by-catch exceeded 5% is defined as the path followed by the fishing vessel from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel.

7. The total number and weight of *Dissostichus* spp. discarded, including those with the jellymeat condition, shall be reported. These fish will count towards the total allowable catch.
8. The data collection plan in Annex 144/A will be implemented and the results reported to CCAMLR not later than three months after the closure of the fishery.

¹ As described in Resolution 12/XVI

² This provision is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.

³ The specified period is adopted in accordance with the reporting period specified in Conservation Measure 51/XII, pending the adoption of a more appropriate period by the Commission.

ANNEX 144/A

RESEARCH AND FISHERY OPERATIONS PLAN

During the early stages of exploratory fishing on the Elan and BANZARE Banks, subject to the catch limits set by CCAMLR, Australian vessels will conduct a trawl survey to assess the biomass of commercially important species on each of the banks down to 1 500 m depth. Exploration and surveys might not occur on both banks in the same season, but commercial exploration will not occur unless a survey is conducted at the same time. The survey, once commenced, will be completed in as short a time period as possible.

The survey on each bank will comprise 40 hauls at randomly chosen positions. Because the suitability of the bottom on these banks for fishing is not well known, and even the positions of some parts of the banks are not precisely known, it is likely that a high proportion of the sites will be unsuitable for trawling. To make the survey as practicable as possible, the ground shallower than 1 500 m on each bank has been divided into just over 40 squares, each of 15 n miles square for Elan Bank and 25 n miles square for BANZARE Bank (Figures 1 and 2). Within each square, five randomly chosen trawling positions have been nominated

(Tables 1 and 2), and the vessel will trawl at one of the five positions in each square. If no nominated trawl position in a square is suitable, then that square will be abandoned. More accurate charts of these areas will be available soon, and it may be necessary alter the positions of the sampling squares.

PERMIT CONDITIONS AND DATA COLLECTION PLAN

The vessels will comply with all express and implied conditions set by CCAMLR. General conditions include 120 mm minimum mesh size (Conservation Measure 2/III), and no net monitor cables to be used (Conservation Measure 30/X). The five-day catch and effort reporting system (Conservation Measure 51/XII) and the monthly effort and biological data reporting required by Conservation Measures 121/XVI and 122/XVI will also apply in Division 58.4.3.

In addition to conditions set by CCAMLR, the Australian Fisheries Management Authority (AFMA) will require that the vessels carry an operating VMS which will enable AFMA to know their position at all times. An inspector/scientific observer will also be aboard all vessels at all times to monitor activities and catches and to collect biological data.

The following data and material will be collected from both the survey and commercial fishing operations, as required by the CCAMLR *Scientific Observers Manual* for finfish fisheries:

- (i) haul-by-haul catch and catch per effort by species;
- (ii) haul-by-haul length frequency of common species;
- (iii) sex and gonad state of common species;
- (iv) diet and stomach fullness;
- (v) scales and/or otoliths for age determination;
- (vi) by-catch of fish and other organisms; and
- (vii) observations on the occurrence of seabirds and mammals in relation to fishing operations, and details of any incidental mortality of these animals.

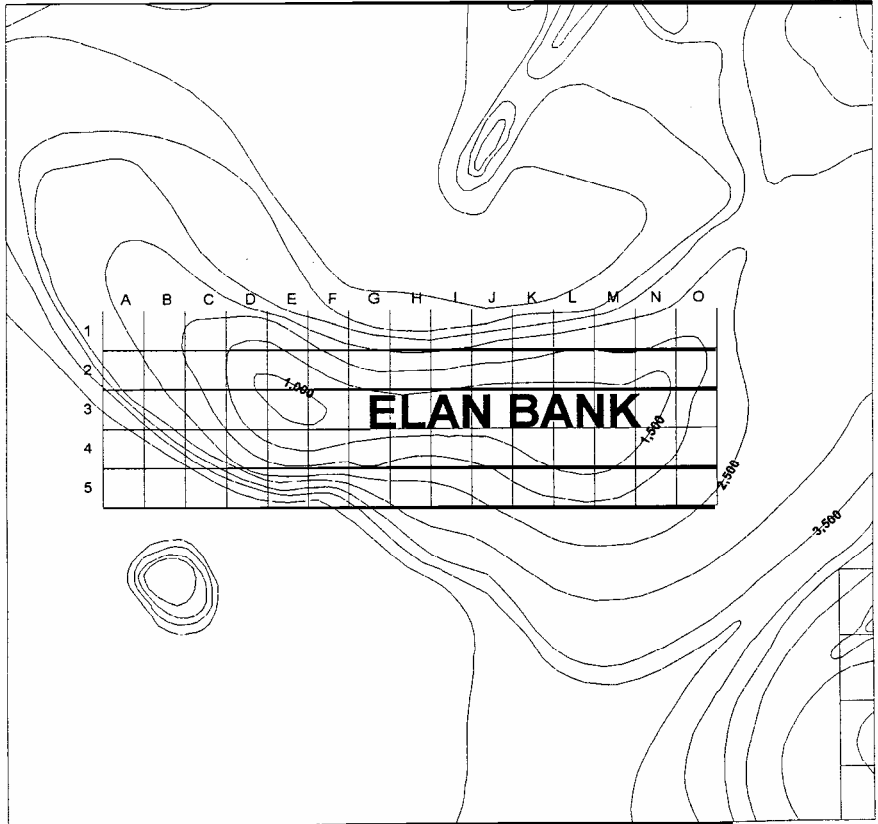


Figure 1: Chart of the Elan Bank area, showing the location and numbering system of the 15 n mile sampling squares.

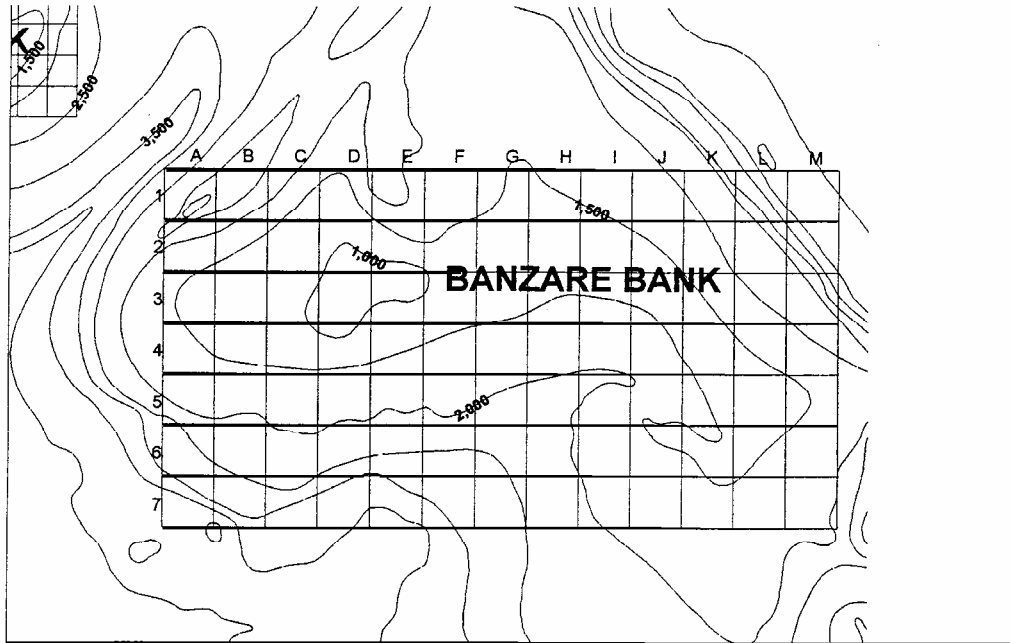


Figure 2: Chart of the BANZARE Bank area, showing the location and numbering system of the 25 n mile sampling squares.

Table 1: List of random trawl stations for Elan Bank. Square grid locations are shown on Figure 1.

Square Grid Locations	First Station	Second Station	Third Station	Fourth Station	Fifth Station
A1	S56 24.55:E065 55.28	S56 21.12:E066 3.82	S56 17.66:E065 50.32	S56 14.65:E066 4.36	S56 26.73:E066 5.89
A2	S56 30.88:E065 50.84	S56 38.82:E066 1.89	S56 41.46:E065 44.57	S56 31.88:E066 4.77	S56 41.86:E066 9.47
A3	S56 43.80:E065 59.38	S56 47.81:E066 10.68	S56 55.20:E066 9.21	S56 56.51:E065 56.59	S56 43.96:E065 47.81
A4	S57 1.86:E065 50.20	S57 11.73:E066 10.04	S57 4.77:E066 2.05	S57 8.51:E065 55.01	S56 57.71:E066 3.60
B1	S56 19.77:E066 24.88	S56 24.48:E066 23.68	S56 27.58:E066 11.59	S56 15.71:E066 14.24	S56 15.57:E066 32.45
B2	S56 32.59:E066 26.48	S56 41.04:E066 33.01	S56 41.31:E066 15.90	S56 36.50:E066 12.88	S56 31.14:E066 16.33
B3	S56 57.24:E066 30.36	S56 56.25:E066 15.73	S56 51.16:E066 25.84	S56 48.05:E066 15.76	S56 43.91:E066 26.87
B4	S57 8.66:E066 31.75	S57 10.15:E066 18.07	S56 57.75:E066 36.28	S56 58.71:E066 11.59	S57 3.86:E066 22.46
C1	S56 13.43:E066 43.93	S56 14.03:E066 51.00	S56 20.12:E066 47.04	S56 20.73:E067 2.48	S56 25.59:E066 56.10
C2	S56 28.07:E066 46.62	S56 33.00:E067 5.98	S56 37.80:E066 55.92	S56 40.03:E067 4.47	S56 38.39:E066 41.83
C3	S56 42.86:E066 59.98	S56 48.13:E066 39.05	S56 53.97:E066 45.39	S56 48.01:E066 56.59	S56 57.31:E067 2.60
C4	S56 59.31:E067 3.75	S57 9.51:E066 59.68	S57 7.15:E066 41.78	S57 12.46:E066 38.81	S57 1.67:E066 49.23
D1	S56 17.42:E067 25.10	S56 22.14:E067 12.51	S56 12.84:E067 21.12	S56 23.03:E067 22.84	S56 13.68:E067 10.66
D2	S56 32.16:E067 7.69	S56 33.54:E067 26.84	S56 37.29:E067 11.22	S56 27.87:E067 28.71	S56 38.10:E067 20.66
D3	S56 50.27:E067 28.99	S56 46.18:E067 12.53	S56 42.89:E067 26.35	S56 56.10:E067 7.64	S56 57.46:E067 31.84
D4	S57 11.71:E067 31.52	S57 11.31:E067 10.26	S57 11.92:E067 20.28	S57 1.14:E067 29.01	S57 1.82:E067 15.79
E1	S56 17.94:E067 47.43	S56 21.58:E067 35.71	S56 22.18:E067 53.91	S56 26.71:E067 43.50	S56 14.81:E067 36.87
E2	S56 34.13:E067 33.41	S56 39.36:E067 43.38	S56 27.69:E067 52.77	S56 27.87:E067 42.28	S56 33.46:E067 44.98
E3	S56 52.19:E067 51.62	S56 48.28:E067 42.73	S56 56.95:E067 57.64	S56 45.39:E067 55.36	S56 55.34:E067 42.67
E4	S57 10.30:E067 45.79	S57 0.91:E067 55.70	S57 6.08:E067 39.83	S57 8.91:E067 59.13	S57 4.51:E067 48.72
F2	S56 31.79:E068 19.54	S56 29.77:E068 7.02	S56 42.14:E068 19.35	S56 39.69:E068 27.72	S56 42.53:E068 2.68
F3	S56 49.85:E068 10.15	S56 53.68:E068 6.36	S56 50.13:E068 26.41	S56 42.67:E068 27.43	S56 44.87:E068 18.07
F4	S57 1.32:E068 15.10	S57 11.30:E068 22.33	S57 5.48:E068 21.23	S56 58.09:E068 24.18	S57 9.65:E068 7.07

Table 1 (continued)

Square Grid Locations	First Station	Second Station	Third Station	Fourth Station	Fifth Station
G3	S56 52.75:E068 44.92	S56 51.43:E068 47.19	S56 43.84:E068 55.14	S56 43.63:E068 40.01	S56 49.36:E068 34.34
G4	S57 9.15:E068 45.12	S57 9.09:E068 54.03	S57 10.80:E068 34.27	S57 0.20:E068 46.70	S57 5.54:E068 38.71
H3	S56 55.61:E069 16.27	S56 45.47:E069 14.63	S56 51.20:E068 57.49	S56 50.62:E069 17.28	S56 43.85:E068 57.67
H4	S57 3.55:E068 58.58	S57 5.71:E069 18.97	S56 59.69:E069 9.34	S57 10.24:E069 7.86	S57 11.67:E069 18.29
I3	S56 54.98:E069 28.76	S56 45.85:E069 44.25	S56 52.47:E069 40.74	S56 47.59:E069 33.11	S56 49.09:E069 23.90
I4	S56 58.09:E069 22.93	S56 58.48:E069 29.63	S57 5.01:E069 28.52	S57 2.20:E069 40.34	S57 6.80:E069 44.71
J2	S56 41.22:E070 12.99	S56 37.35:E070 5.22	S56 28.16:E070 6.82	S56 37.77:E069 50.54	S56 42.32:E069 57.38
J3	S56 44.29:E070 3.81	S56 46.26:E070 4.58	S56 48.97:E070 16.73	S56 53.70:E069 59.62	S56 49.47:E069 50.61
J4	S57 7.43:E070 0.43	S57 6.37:E070 8.17	S56 57.71:E070 14.28	S57 0.09:E069 55.88	S57 11.12:E070 13.28
K2	S56 35.56:E070 23.01	S56 30.25:E070 43.89	S56 38.08:E070 32.86	S56 28.40:E070 21.44	S56 42.07:E070 23.07
K3	S56 48.69:E070 18.37	S56 54.12:E070 24.61	S56 44.02:E070 36.35	S56 54.77:E070 38.90	S56 49.46:E070 39.43
K4	S57 3.49:E070 31.74	S57 9.24:E070 25.28	S56 57.79:E070 28.55	S57 11.43:E070 44.95	S57 0.18:E070 18.83
L2	S56 41.58:E070 52.32	S56 40.63:E071 10.52	S56 28.96:E071 11.74	S56 37.49:E070 46.66	S56 37.42:E071 2.33
L3	S56 43.03:E070 56.09	S56 47.01:E071 3.54	S56 51.73:E070 55.05	S56 56.84:E070 47.53	S56 55.15:E071 4.23
L4	S56 59.49:E070 59.86	S57 8.39:E070 56.57	S57 1.20:E070 48.39	S57 5.07:E071 8.73	S57 9.40:E070 45.68
L5	S57 25.96:E071 4.82	S57 26.01:E071 12.54	S57 16.56:E071 10.81	S57 16.14:E070 58.26	S57 19.40:E070 50.56
M2	S56 30.47:E071 26.49	S56 41.30:E071 32.08	S56 36.42:E071 24.09	S56 38.61:E071 14.23	S56 28.57:E071 16.97
M3	S56 51.90:E071 29.02	S56 51.44:E071 29.81	S56 43.59:E071 21.03	S56 57.22:E071 38.90	S56 55.56:E071 19.31
M4	S57 8.41:E071 36.19	S57 1.54:E071 36.32	S57 8.12:E071 18.90	S56 58.48:E071 14.11	S57 11.74:E071 28.07
M5	S57 24.86:E071 12.87	S57 22.91:E071 29.50	S57 15.88:E071 29.57	S57 18.36:E071 18.60	S57 17.03:E071 38.76
N2	S56 36.28:E071 41.27	S56 36.81:E071 59.21	S56 41.04:E071 44.72	S56 29.13:E071 48.45	S56 28.46:E072 0.76
N3	S56 54.39:E072 3.05	S56 49.45:E071 44.59	S56 45.04:E072 4.42	S56 56.14:E071 42.39	S56 56.67:E071 53.95
N4	S57 10.90:E071 42.78	S56 59.54:E071 51.25	S57 9.56:E072 2.23	S56 59.08:E072 0.75	S57 5.76:E071 52.41

Table 2: List of random trawl stations for BANZARE Bank. Square grid locations are shown on Figure 2.

Square Grid Locations	First Station	Second Station	Third Station	Fourth Station	Fifth Station
A3	S59 6.68:E074 8.29	S58 57.00:E074 8.20	S58 52.09:E073 58.17	S59 1.81:E074 22.81	S58 51.15:E074 7.73
A4	S59 19.98:E074 44.54	S59 24.14:E074 39.25	S59 28.51:E074 16.83	S59 10.38:E074 43.06	S59 16.09:E074 34.18
B2	S58 29.53:E075 8.08	S58 34.35:E075 29.03	S58 25.12:E075 13.44	S58 24.11:E074 49.18	S58 40.60:E074 51.30
B3	S58 43.13:E074 55.73	S59 1.89:E075 11.48	S59 6.61:E074 56.73	S58 47.70:E075 17.89	S59 0.79:E074 48.47
B4	S59 27.04:E074 58.19	S59 24.82:E075 15.60	S59 14.62:E074 48.93	S59 15.43:E075 19.41	S59 31.66:E074 49.16
C1	S58 17.16:E075 36.55	S58 6.50:E075 38.50	S58 12.30:E076 21.48	S57 57.65:E075 40.85	S58 1.11:E075 51.03
C2	S58 36.14:E076 15.55	S58 41.71:E075 43.27	S58 35.57:E075 57.08	S58 18.14:E076 9.18	S58 39.07:E076 4.40
C3	S59 0.99:E075 50.17	S59 7.12:E075 44.47	S58 55.64:E075 43.37	S59 2.32:E076 0.84	S58 53.08:E076 6.38
C4	S59 22.69:E075 41.90	S59 21.69:E075 59.30	S59 9.30:E076 3.10	S59 29.82:E076 11.60	S59 17.08:E075 41.12
D1	S57 54.15:E076 33.90	S58 0.02:E076 46.21	S58 8.06:E076 36.40	S58 14.02:E076 35.91	S58 2.87:E077 5.60
D2	S58 20.00:E076 40.46	S58 34.60:E076 34.08	S58 20.38:E076 55.38	S58 32.81:E076 54.16	S58 27.78:E076 47.82
D3	S58 53.31:E077 7.82	S58 47.37:E077 7.06	S59 0.93:E076 51.30	S59 0.73:E076 34.51	S58 52.71:E076 43.69
D4	S59 31.62:E077 1.82	S59 20.84:E076 25.43	S59 15.43:E076 46.96	S59 24.03:E076 46.41	S59 18.48:E076 58.35
E2	S58 38.66:E077 42.49	S58 20.46:E077 28.30	S58 38.91:E077 55.26	S58 18.90:E077 40.11	S58 31.56:E077 27.30
E3	S58 57.84:E077 44.98	S58 43.81:E077 32.47	S58 49.99:E077 24.67	S58 57.63:E077 19.60	S58 45.47:E077 14.52
E4	S59 24.97:E077 45.35	S59 13.35:E077 44.94	S59 24.86:E077 18.27	S59 9.74:E077 55.79	S59 30.39:E077 58.36
F2	S58 31.85:E078 25.98	S58 37.98:E078 48.39	S58 23.37:E078 26.88	S58 37.55:E078 4.15	S58 35.15:E078 37.45
F3	S59 5.07:E078 47.42	S58 44.51:E078 9.18	S58 49.35:E078 45.16	S58 56.32:E078 21.30	S58 50.65:E078 32.24
F4	S59 32.20:E078 11.72	S59 26.32:E078 20.90	S59 16.74:E078 41.97	S59 8.90:E078 5.97	S59 31.68:E078 1.58
G1	S58 14.30:E078 52.18	S58 1.97:E079 24.58	S58 15.23:E079 1.60	S58 14.37:E079 14.31	S58 9.69:E079 36.73
G2	S58 36.12:E079 33.11	S58 40.88:E078 50.21	S58 28.76:E079 21.33	S58 42.18:E079 25.07	S58 24.86:E079 29.63
G3	S58 55.39:E078 52.74	S58 45.28:E079 18.68	S58 56.05:E079 22.50	S58 52.58:E079 7.93	S59 3.29:E079 36.09

Table 2 (continued)

Square Grid Locations	First Station	Second Station	Third Station	Fourth Station	Fifth Station
H1	S57 55.18:E080 24.42	S58 4.46:E080 13.98	S58 7.82:E080 1.07	S58 13.95:E080 4.73	S58 10.54:E080 24.86
H2	S58 18.32:E079 59.36	S58 28.88:E080 15.16	S58 18.77:E079 46.51	S58 24.00:E079 39.85	S58 39.60:E080 5.92
H3	S58 57.21:E079 53.27	S59 2.66:E080 21.62	S59 5.28:E079 46.51	S59 7.21:E080 3.99	S58 51.29:E079 41.58
12	S58 23.29:E081 7.50	S58 31.36:E081 3.21	S58 38.44:E080 54.85	S58 37.98:E081 11.40	S58 25.91:E080 45.40
13	S58 45.18:E080 46.79	S58 58.96:E080 29.85	S59 2.52:E080 50.64	S59 0.10:E080 42.13	S58 50.30:E080 36.72
J2	S58 42.04:E081 27.22	S58 23.47:E081 33.11	S58 34.05:E081 31.30	S58 38.94:E081 49.52	S58 36.20:E082 0.92
J3	S59 1.04:E081 17.15	S58 59.52:E081 37.81	S58 50.94:E081 52.49	S58 44.76:E081 20.67	S58 48.38:E082 3.04
J4	S 59 28.18:E081 23.78	S59 10.18:E081 25.53	S59 17.05:E081 22.19	S59 19.17:E081 51.46	S59 23.43:E081 39.41
J6	S60 12.55:E081 32.51	S60 4.44:E081 53.65	S60 7.81:E081 18.43	S60 7.67:E082 1.68	S60 17.36:E081 22.43
K3	S58 51.44:E082 17.45	S59 6.54:E082 22.58	S59 0.93:E082 49.02	S58 43.21:E082 7.79	S58 56.98:E082 38.52
K4	S59 9.53:E082 42.21	S59 29.98:E082 30.35	S59 26.46:E082 52.60	S59 18.94:E082 24.71	S59 17.94:E082 9.29
K5	S59 50.21:E082 36.43	S59 42.98:E082 49.35	S59 42.22:E082 9.33	S59 34.72:E082 25.80	S59 36.26:E082 46.60
K6	S60 12.27:E082 28.16	S59 57.88:E082 14.99	S60 4.79:E082 12.27	S60 15.68:E082 18.70	S60 4.65:E082 33.94
L4	S59 13.61:E082 54.09	S59 26.71:E082 57.05	S59 28.84:E083 21.14	S59 18.55:E083 28.86	S59 9.85:E083 35.25
L5	S59 49.16:E082 58.64	S59 43.61:E083 41.57	S59 40.81:E083 15.64	S59 57.45:E083 41.01	S59 54.56:E083 11.15
L6	S60 5.64:E083 24.26	S60 2.70:E083 34.56	S60 20.36:E083 35.41	S60 21.01:E083 12.15	S60 0.21:E083 3.92
M5	S59 45.76:E084 8.87	S59 39.77:E084 21.41	S59 45.64:E083 55.72	S59 46.12:E083 44.18	S59 34.33:E084 11.57

CONSERVATION MEASURE 145/XVI
Exploratory Fishery for *Martialia hyadesi* in
Statistical Subarea 48.3 in the 1997/98 Season

The Commission hereby adopts the following Conservation Measure in accordance with Conservation Measures 7/V and 65/XII:

1. Fishing for *Martialia hyadesi* in Statistical Subarea 48.3 shall be limited to the exploratory fishery by flagged vessels of the Republic of Korea and the UK. The catch shall be limited to 2 500 tonnes.
2. For the purposes of this fishery, the fishing season is defined as the period from 8 November 1997 to the end of the Commission meeting in 1998 or until the catch limit is reached, whichever is sooner.
3. For the purposes of implementing this Conservation Measure:
 - (i) the Ten-day Catch and Effort Reporting System, as set out in Conservation Measure 61/XII shall apply;
 - (ii) the data required to complete the CCAMLR standard fine-scale catch and effort data form for squid jig fisheries (Form C3) shall be reported from each vessel. These data shall include numbers of seabirds and marine mammals of each species caught and released or killed. These data shall be reported to CCAMLR by 31 August 1998 for catches taken prior to 31 July 1998; and
 - (iii) data on catches taken between 31 July 1998 and 31 August 1998 shall be reported to CCAMLR by 30 September 1998 so that the data will be available to the 1998 meeting of the Working Group on Fish Stock Assessment.
4. Each vessel participating in the fishery for *Martialia hyadesi* during the 1997/98 season shall have a scientific observer on board appointed in accordance with the CCAMLR Scheme of International Scientific Observation.
5. The data collection plan (Annex 145/A) shall be implemented. Data collected pursuant to the plan for the period up to 31 August 1998 shall be reported to CCAMLR by 30 September 1998 so that the data will be available to the 1998 meeting of the Working Group on Fish Stock Assessment. Such data taken after 31 August shall be reported to CCAMLR not later than three months after the closure of the fishery.

ANNEX 145/A

DATA COLLECTION PLAN FOR EXPLORATORY SQUID
(*MARTIALIA HYADESI*) FISHERIES IN SUBAREA 48.3

1. All vessels will comply with conditions set by CCAMLR. These include data required to complete the data form (TAC 1) for the Ten-day Catch and Effort Reporting System, as specified by Conservation Measure 61/XII; and data required to complete the CCAMLR standard fine-scale catch and effort data form for a squid jig fishery (Form C3). This includes numbers of seabirds and marine mammals of each species caught and released or killed.

2. All data required by the CCAMLR *Scientific Observers Manual* for squid fisheries will be collected. These include:
 - (i) vessel and observer program details (Form S1);
 - (ii) catch information (Form S2); and
 - (iii) biological data (Form S3).

RESOLUTION 12/XVI
Automated Satellite-Linked Vessel Monitoring Systems (VMSs)¹

The Commission,

Noting the extreme concern over high levels of illegal, unregulated and unreported fishing for *Dissostichus eleginoides* and other marine living resources,

considers that:

1. Subject to paragraphs 2 and 3, Members shall endeavour, by the end of the Commission meeting in 1998, to establish an automated vessel monitoring system (VMS) to monitor the position of its flag vessels licensed or permitted in accordance with Conservation Measure 119/XVI to harvest *Dissostichus* spp. or other marine living resources in the Convention Area for which catch limits, fishing seasons or area restrictions have been set by Conservation Measures adopted by the Commission.
2. Any Member not in a position to establish a VMS by the date specified in paragraph 1 shall so inform the CCAMLR Secretariat in advance of the 1998 annual meeting and, if possible, notify its intended alternative timetable for the implementation of a VMS.
3. The implementation of VMS on vessels while participating in the krill fishery is not currently necessary.
4. Once its VMS is established, each Member should monitor the position of its flag vessels licensed or permitted in accordance with Conservation Measure 119/XVI. Should the VMS cease to transmit, the Member should take immediate steps to ensure that the transmission is swiftly restored.
5. Members should report to the Secretariat before the start of the annual meeting of the Commission on:
 - (i) any VMS in operation, including its technical details; and
 - (ii) in accordance with paragraph XI of the System of Inspection, all cases where they have determined with the assistance of VMS that vessels of their flag had fished in the Convention Area in possible contravention of CCAMLR Conservation Measures.

¹ For this purpose, VMS means a system where, *inter alia*:

- (i) information collected shall include the vessel identifier, location, date and time, which shall be collected with a required frequency to ensure that the Member can effectively monitor its vessel; and
- (ii) performance standards shall, at a minimum, include a system that:
 - (a) is tamper proof;
 - (b) is fully automatic and operational at all times regardless of environment conditions;
 - (c) provides real time data; and
 - (d) provides latitude and longitude with a position accuracy of 500 m or better, with the format to be determined by the Flag State.