# CCAMLR Scientific Observer Trawl Vessel Cruise Report

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| **Observer Name(s)** |  |
| **Vessel Name** |  |
| **Vessel Type (Finfish Trawl, Conventional Krill Trawl, Continuous Trawl)** |  |
| **CCAMLR Area/Subarea/Division(s)** |  |
| **Cruise Dates (boarding to disembarkation)** | From: to: |

The cruise report is for use by observers on board trawl vessels. The report contains areas for summary cruise information, as well as for general commentary and feedback on each trip, particularly for details which are not captured in the appropriate Trawl Observer Logbook. Observers are encouraged to attach photos and diagrams in this cruise report where appropriate to aid in descriptions, and the wording in italics provides guidance for the narrative sections. On completion please review this report and the electronic logbook to ensure that details between the two documents are consistent.

A completed cruise report is a confidential document that provides important feedback to the CCAMLR Secretariat, and is shared with the Commissioner of the vessel’s Flag State. If issues of compliance are noted in the report they may be referred to at the Commission’s annual Compliance Evaluation Procedure meeting, therefore please provide clear wording when documenting any potential compliance issues in this report.

### 1. Trip Summary

*Provide a brief outline of the work carried out, including any specific tasks such as extra sampling undertaken that are additional to those specified in the Scientific Observers Manual.*

### 2. Cruise Interruption Details

*Only complete this second section if the vessel has made a short stop at a port and then continued fishing. This may have been because of a medical emergency etc.*

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| --- | --- | --- | --- |
| **First section of the cruise** | | **Second section of the cruise** | |
| Port of departure: |  | Port of departure: |  |
| Date of departure: |  | Date of departure: |  |
| Arrival on fishing grounds: |  | Arrival on fishing grounds: |  |
| Start fishing: |  | Start fishing: |  |
| End fishing: |  | End fishing: |  |
| Depart fishing grounds: |  | Depart fishing grounds: |  |
| Port of return: |  | Port of return: |  |
| Date of return: |  | Date of return: |  |

### 3. FISHING OPERATIONS

### 3.1 Operations and Gear

*Indicate in the table the fishing strategy adopted or provide a brief description in the comments section if none of the options apply. Compare the vessel’s fishing gear with the gear described in the CCAMLR vessel notification details (*[www.ccamlr.org/en/compliance/list-authorised-vessels](http://www.ccamlr.org/en/compliance/list-authorised-vessels)*) and provide details in the comments section if they differ, or if any non-standard gear is deployed by the vessel. Describe any methods used to minimise non-target fish by-catch.*

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| --- | --- |
| **Fishing Method** | **Method used (Y/N)** |
| Previous established fishing grounds and/or historical knowledge from fishing master |  |
| Test hauls performed to establish favourable areas |  |
| Shared information from other vessels |  |
| Fishing area determined by survey requirements |  |

Comments:

### 3.2 Lost Fishing Gear

*Provide details of lost fishing gear, such as amount of trawl net/codend lost, floats, bobbins etc.*

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| --- | --- | --- | --- | --- |
| **Gear type** | **Date** | **Latitude** | **Longitude** | **Comments  (e.g. length of line, number of hooks)** |
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### 4. Catch Details (all species)

*Only include an estimate of green weight for the major product. In the comments section describe the method used for calculating the total green weight and processed weight, and indicate if they were observer- or crew-derived figures.*

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| --- | --- | --- | --- | --- | --- | --- |
| **Species** | **Area** | **Number** | **Product type** | **Total  processed weight (kg)** | **Calculated green  weight (kg)** | **Average daily green weight catch (kg)** |
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Comments:

### 4.1 Processing Details

*Provide a summary of conversion factors used by the vessel and any observer calculated values for the appropriate period(s). Provide a description of how the factors were calculated in the comments section.*

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| **Species** | **Processing code** | **Vessel used conversion factor** | **Observer-calculated conversion factor** | **Comments  (dates used etc.)** |
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Comments:

### 5. Biological Data Summary

### 5.1 Biological Samples Retained

*List all the types of samples collected and the location where they are to be stored.*

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| --- | --- | --- |
| **Sample type/species** | **Number of samples collected** | **Contact name and address of  where the samples are to be stored** |
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### 5.2 Biological Subsampling Methodology

*Provide a brief description of any non-CCAMLR Scheme of International Scientific Observation (SISO) sub-sampling tasks undertaken during the cruise.*

### 6. Seabird Interactions with Vessel

### 6.1 Mitigation Devices – Streamer Line Details

*Please answer all questions. Provide a description in the comments section on the towed attachment used at the end of the streamer line and whether this was effective in maintaining the line immediately astern of the attachment point. Also provide details on any issues the crew encountered in deploying and maintaining the streamer line(s).*

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| --- | --- |
| Was a streamer line used during shooting of the trawl or towing of the net? |  |
| What was the percentage of shots/tows where the streamer line was used? |  |
| Was a streamer line used during hauling of the net? |  |
| Did the streamer line meet the minimum CCAMLR specifications? |  |
| Was there a spare line or the ability to make a spare streamer line? |  |
| How many streamer lines were regularly used? |  |
| Did all streamers reach the sea surface in the absence of wind and swell? |  |

Comments:

### 6.2 Mitigation Devices

*Please answer all the questions in the table. Please detail all devices used and their effectiveness in the comments section (e.g. of particular interest is when a vessel turns to reduce net lofting, providing diagrams and photos where appropriate). Describe the nature and extent of interactions between birds and the net while being hauled (please include any relevant photos).*

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| --- | --- | --- | --- | --- |
| Was the net cleaned before each shot? | | | |  |
| If net was cleaned did this occur always/often/rarely? | | | |  |
| Net binding used during net shooting (always/often/rarely)? | | | |  |
| Net binding material used? |  | | | |
| Distance between net bindings (m)? | | | |  |
| Range of mesh sizes being bound (e.g. 120 to 800) | | | |  |
| Was net weighting used (always/often/rarely)? | | | |  |
| Describe location of net weights (e.g. codend, wings, belly). | |  | | |
| Total mass of net weights used in each location | |  | | |
| Was an acoustic scarer used (always/often/rarely)? | | |  | |

Comments:

### 6.3 Offal Management

*Please answer all questions.*

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| Was the vessel configured to hold offal during the shooting/hauling  of the trawl? |  |
| On what percentage of shooting events was offal discarded? |  |
| On what percentage of hauling events was offal discarded? |  |
| Was offal discarded at times other than during shooting/hauling? |  |
| Was all or most of the offal retained for disposal on shore? |  |
| Was all or most of the offal retained and processed (e.g. mealed)? |  |

### 6.4 Seabird Entanglements

*Please provide specific comments for each interaction in the table, and general comments on seabird interactions in the comments section.*

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Set/haul number** | **Species** | **Number observed caught by gear** | | | | **Number of collisions with vessel** | | **Comments**  **(entanglement method, when release took place etc.)** |
| **By observer** | | **By crew** | |
| **Dead** | **Alive** | **Dead** | **Alive** | **Dead** | **Alive** |
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Comments:

### 6.5 Seabird Samples Retained

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| **Species** | **Type of sample (whole/head/leg)** | **Number of  samples collected** | **Contact details of where  the samples were sent** |
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### 6.6 Bird Bands

*Provide full details of all banded and marked birds, including band number and colour, band type (metal or plastic), which leg the band is on, species and status of bird. Take a photo of the banded bird if possible.*

### 7. Marine Mammal Interactions with Vessel

### 7.1 Mitigation Measures

*Describe any mitigation measures used by the vessel to avoid interactions with marine mammals.*

### 7.2 Marine Mammal Entanglements

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| --- | --- | --- | --- | --- | --- |
| **Date** | **Set or haul number** | **Species** | **Number observed entangled in fishing gear** | | |
| **Dead** | **Alive** | **Comments** |
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### 7.3 Fish Loss Due to Marine Mammals

*Please describe if any fish loss due to marine mammal depredation was directly observed, or attributed to marine mammals and, if possible, the species involved.*

### 8. Waste and Debris

### 8.1 Vessel Waste Disposal Procedures

*Please provide a brief description of general observations on cleanliness of vessel, factory room operations and waste sorting procedures.*

### 8.2 Marine Debris at Sea

*Record any marine debris observed while at sea. Where it is possible, please attempt to bring the material on board for measurements and safe disposal. Only complete the size and weight columns when material is hauled aboard.*

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Description** | **Latitude** | **Longitude** | **Hauled aboard (Y/N)** | **Size (cm)** | **Weight (g)** | **Photograph attached (Y/N)** |
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Comments:

### 9. Illegal, unreported and unregulated (IUU) Vessel and Gear Sightings

*Provide a brief description of all unidentified or illegal, unreported and unregulated (IUU) vessels and gear sighted during the cruise to supplement the data recorded in the IUU Sightings form in the Scientific Observer Logbook*. *Attach any photos in this section.*

## 10. Additional Information

### 10.1 Operational Issues

*Describe any issues that occurred in relation to completing tasks such as access to parts of the vessel, access to information, crew attitudes etc. If any intimidation, bribery or obstruction issues occurred, please provide as many details as possible.*

### 10.2 Observer Tasks

*Describe any problems associated with completing the SISO sampling tasks set out in the Scientific Observers Manual, or those set by your employing organisation.*

### 10.3 Observers Logbook

*Were problems encountered with the Observers Logbook? If so, please describe the problems.*

### 10.4 Observer Cruise Report

*Did the cruise report template provide adequate space to summarize your cruise experience? Are there any sections you would like to see added or removed?*

### 10.5 Educational Material

*Please answer the questions regarding the educational material on board the vessel. In the comments section, describe any additional material that was on board the vessel, whether it was useful, and if any further information would be beneficial for observers and crew.*

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| Was the book *Fish the Sea Not the Sky* on board the vessel? |  |
| Was the guide *Identification of Seabirds of the Southern Ocean* on board  the vessel? |  |
| Did you have a copy of the *CCAMLR Species Identification Sheets*? |  |

Comments: