



**Australian Government**  
**Bureau of Rural Sciences**

**PREPARATION OF AUSTRALIA'S  
CATCH AND EFFORT DATA SUBMISSION TO THE  
CCSBT STOCK ASSESSMENT GROUP AND  
MANAGEMENT PROCEDURES WORKSHOP, 2004**

by

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## 1. Introduction

Data submissions supplied to CCSBT from Australia follow the format of the templates provided by the CCSBT Database Manager, Mr Bob Kennedy on 1 November 2002. The Bureau of Rural Sciences provides the following five reports for the Stock assessment Group data exchange:

1. Aggregated Catch and Effort
2. Catch and Effort Supplement (Raised Catch)
3. Total Catch by Fleet – Quota Year
4. Total Catch by Fleet – Calendar Year
5. Catch at Size

Flow diagrams of data sources and tables used to produce these reports are presented in Appendix 1. CSIRO provide Catch at Age data, the preparation of which is covered in a separate working paper. Additional data sets are provided for the CCSBT Operating Model according to Attachment G of the Eighth Scientific Committee Report.

## 2. Data Sources

There are four sources of data required to produce the five reports. These are: Daily Logs Database; Catch Disposal Database; Tow Cage Size Monitoring Reports and the Longline Fishery Size Monitoring Reports.

### 2.1. Daily Logs Database

The Daily Logs Database is maintained by the Australian Fisheries Management Authority (AFMA) and contains data collected from scientific logbooks that fishers are required to complete. The logbooks of relevance to SBT catch for the 2004 submission were the AL05 (longline and minor line), OT03 (minor line), PS01 (purse seine), TPB02 and TPB03 (purse seine and pole). See Appendix 2 for samples of these logbooks. Each operation is given a unique identifier in the Daily Logs Database and tables are linked using this identifier. The following tables are required from this database:

1. **Operations** – contains information on each operation, including start latitude, start longitude and vessel identifier.
2. **Catch** – contains a separate record for each species caught, together with the number of fish caught and estimated weight of the catch.
3. **Fishing\_Effort** – contains fishing method used and fishing effort information, eg number of hooks for longline operations; search hours for purse seine operations.
4. **Operation\_Longline** – contains other information on longlining operations, eg length of mainline.
5. **Operation\_Pole** – contains other information on poling operations, eg number of poles used.
6. **Vessel** – contains information on each licensed vessel; vessel name is used to identify individual vessels when determining number of boats operated.
7. **Tow\_Cage\_Transfer** – contains information on each transfer of fish from the capture vessel to the tow cage in each purse seine operation. Provides the

link between the Daily Logs Database and the OtherInfo table produced from the Tow Cage Size Monitoring Reports.

## *2.2. Catch Disposal Database*

This is the database AFMA uses for quota monitoring and contains data collected from the SBT03 (SBT Farm Transit Log; purse seining for farms), CR4 (SBT Catch Disposal Record; all methods except purse seining for farms) and SBT04 (SBT Farm Catch Disposal Record; purse seining for farms). See Appendix 3 for samples of these forms. The following tables are required from this database:

1. **Catch Disposal** – contains information on trip start and end dates.
2. **Landing** – contains information on species caught, numbers of fish caught and weight of catch.
3. **Fishing Method** – provides the fishing method information.
4. **Tow\_Catch\_Transfer** – contains identification of capture vessel for purse seine operations.

## *2.3. Tow Cage Size Monitoring Reports*

Tow cage size monitoring data is provided by Protec Marine Pty Ltd, a company contracted to AFMA. Data collected for each tow cage include the length and weight of forty fish in the tow that weigh over 10 kg and the number of fish in the tow. A sample of one of these reports is given in Appendix 4. Data from these reports are collated to produce a table called OtherInfo. These data can then be used in conjunction with the Daily Logs data in the preparation of various reports, in particular the Catch at Size report.

## *2.4. Longline Fishery Size Monitoring Reports*

These data are provided by WW Fisheries Pty Ltd, a company contracted to AFMA. Data collected for these reports include the length and weight information on non-farm fish, all caught by longline in 2002 and 2003. This report is used to determine the catch at size data for longline operations.

# **3. Data Preparation**

Standard queries and procedures have been established to produce the five reports that BRS submits each year, namely Aggregated Catch and Effort, Raised Catch, Total Catch by Fleet – Calendar Year, Total Catch by Fleet – Quota Year and Catch at Size. These queries may require minor modification each year as changes are made to the databases.

See Appendix 1 for flow diagrams of data sources and tables used to produce the various reports.

## *3.1. Definition of Seasons*

For quota monitoring purposes, AFMA uses end tow date (farm purse seining) or trip end date (other methods) to define whether a catch falls within a particular season/fishing period. In past years, this rule has been followed for both the Total Catch by Fleet – Quota Year and Total Catch by Fleet – Calendar Year reports. Since the Tow Cage Size Monitoring Reports contain capture date information, Catch at Size reports have been based on capture date. The 2004 submission used the historical definitions for the Catch at Size and Total Catch by Fleet – Quota Year reports, however, the definition was changed for Total Catch by Fleet – Calendar Year report,

where capture date was used and hence matched the total produced by the Catch at Size report. The raised catch report is a new requirement and capture date was used to define catches for each month in that report also. Since logbook data is recorded by capture date, the Aggregated Catch and Effort report is based on capture date.

### *3.2. Spatial Definitions*

The 2003 submission was the first time that data were provided by latitude/longitude grid (1x1 degrees for purse seine and 5x5 degrees for longline). The 2004 submission was also provided by latitude/longitude grid. This has been made possible because of the introduction of the SBT03 forms. This enables the linking of Tow Cage Size Monitoring Reports to the Daily Logs Database, thus providing capture location information. This method was used to prepare both the Raised Catch and the Catch at Size Reports in 2004. The Aggregated Catch and Effort Report also provides spatial information, all data for this report coming from the Daily Logs Database.

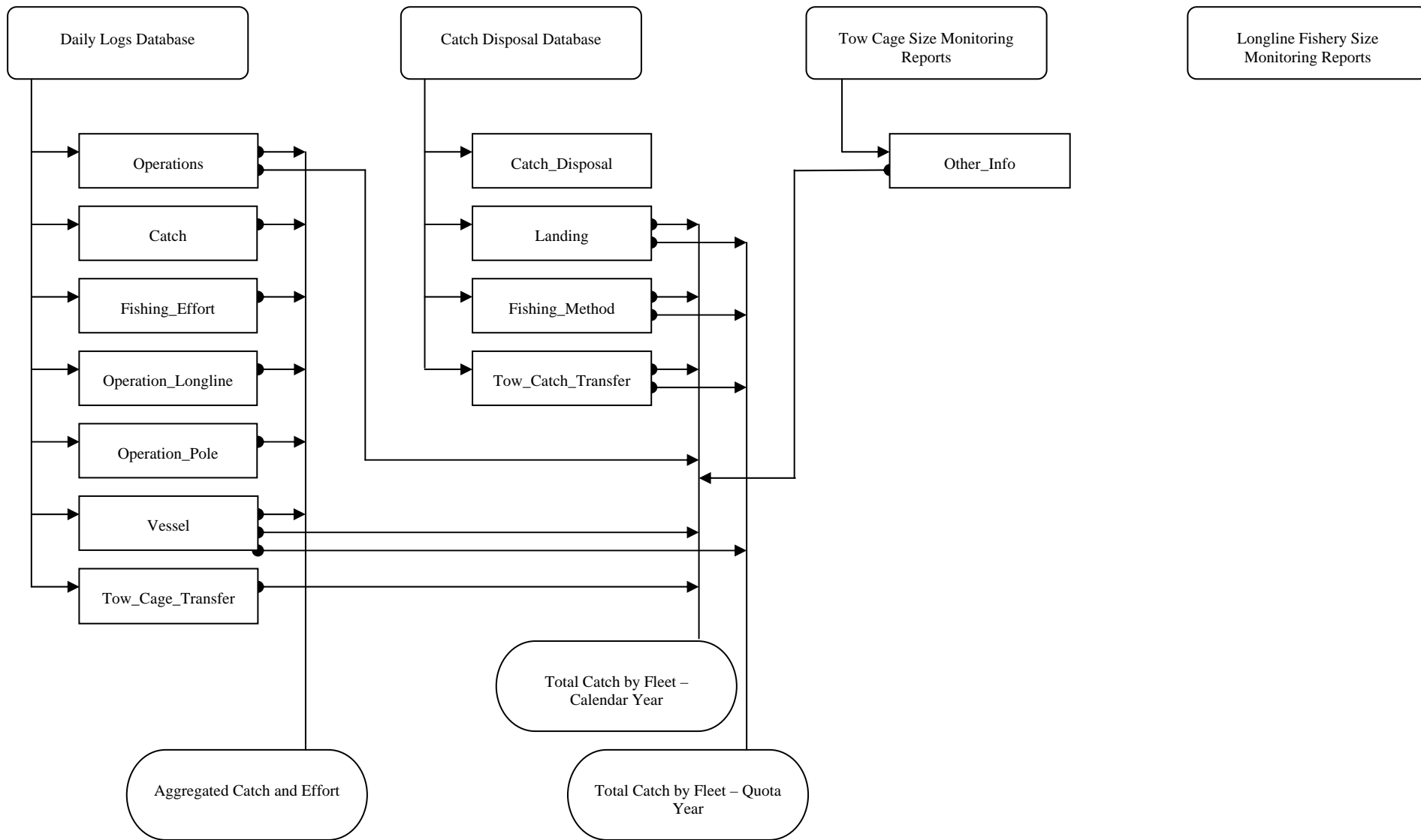
### *3.3. Adjustment Due to Tow Cage Spill*

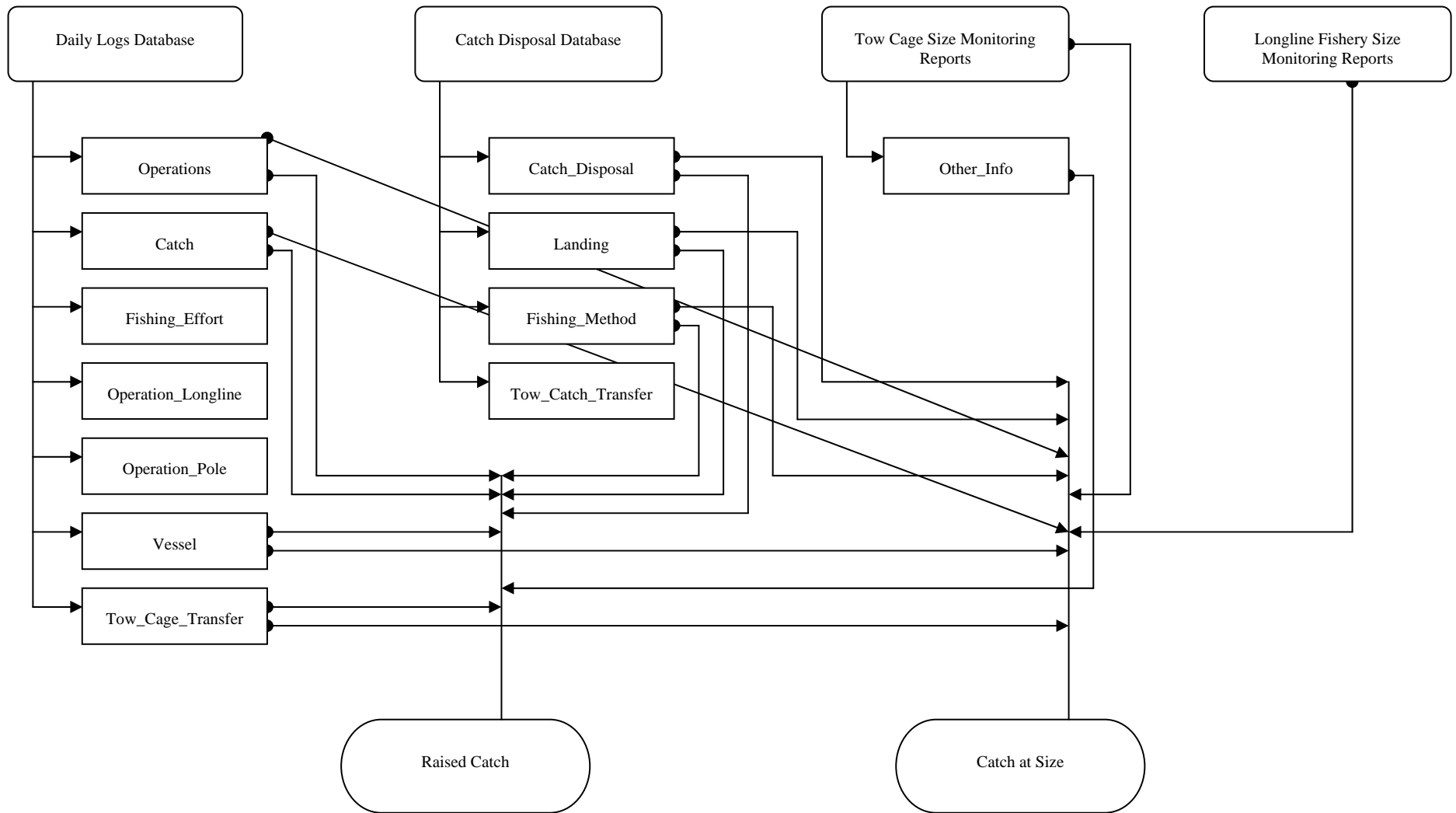
In 2003 there was a tow cage spill. AFMA deducted 15 t from this quota holder. This amount of 15 t was included in the Total Catch by Fleet – Quota Year, Total Catch by Fleet – Calendar Year, Raised Catch and Catch at Size reports. For the Catch at Size report, length and weight samples from a tow by the same company at a similar time in a similar location were used and then raised to the 15 t.

## **4. Closing Remarks**

The description of data preparation and submission in this report applies to the 2002 and 2003 data supplied to CCSBT. A more detailed description of the fields within the data sources can be obtained

**Appendix 1: Flow Charts Showing Flow of Data from Data Sources  
to Reports**







**Appendix 2: Scientific Logbook Forms (AL05, OT03, PSP01, TPB02  
and TPB03)**

# Australian Pelagic Longline Daily Fishing Log – AL05

NOTE: DO NOT USE A SINGLE PAGE FOR MORE THAN ONE TRIP

Original Copy – Send to AFMA

Log No.	Page No.	Boat Name	Dist. Symbol	Time Zone Fished	Departure Port	Departure Date					
		<b>Cormorant</b>	<b>LFB963</b>	<b>EST</b>	<b>ULLADULLA</b>	<b>12/6/00</b>					
<b>SHOT INFORMATION</b>		Shot 1 Date: <b>13/6/02</b>	Shot 2 Date: <b>15/6/02</b>	Vessel decked between: <b>9/6/02 and 11/6/02</b>							
Start Set Time (24h): <b>0300</b>		End Set Time (24h): <b>0610</b>		Non-fishing Status and Codes during a Trip (check code in each Date)							
Start Set Lat (dd mm)	<b>35 35</b>	Start Set Long (dd mm)	<b>151 42</b>	1 – Bad Weather	3 – Broken Down	4 – Steaming					
End Set Lat (dd mm)	<b>35 19</b>	End Set Long (dd mm)	<b>151 40</b>	5 – Searching	6 – Other Fishery Activity						
Mainline Length No. Hooks: <b>35 (900) 900</b> hooks		Mainline Length No. Hooks: <b>27 (800) 800</b> hooks		Date			Code				
Line shooter used (CHUTE)		Line shooter used (CHUTE)		12/6/02 in / /			4				
Bested Mitigation Measures Used (CHUTE)		Bested Mitigation Measures Used (CHUTE)		14/6/02 in / /			6				
Estimated average depth targeted in metres: <b>80</b>		Estimated average depth targeted in metres: <b>70</b>		Comments							
No. hooks between bubbles: <b>9</b>		No. hooks between bubbles: <b>10</b>		Snood out to release large, lively blue marlin. Discards refer to fish not sought by market.							
No. of lightsticks used: <b>300</b>		No. of lightsticks used: <b>400</b>		Gear Information							
Bait type(s) used for shot: <b>Squid/Pilchards 200kg</b>		Bait type(s) used for shot: <b>Pilchards 160 kg</b>		Mixer/Live Methods Used			Complete at End of Trip				
Bought <input checked="" type="checkbox"/> Self caught <input type="checkbox"/>		Bought <input type="checkbox"/> Self caught <input checked="" type="checkbox"/>		Trailing <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Part of Landing				
Sea surface temp. (C): <b>17</b> <b>18</b>		Sea surface temp. (C): <b>16</b> <b>16</b>		Red & Reef <input type="checkbox"/> Yes <input type="checkbox"/> No			<b>ULLADULLA</b>				
Wind direction (in NW): <b>S</b> <b>SSE</b>		Wind direction (in NW): <b>SW</b> <b>WSW</b>		Handline <input type="checkbox"/> Yes <input type="checkbox"/> No			Trip End Date				
Wind speed (kts): <b>12</b> <b>15</b>		Wind speed (kts): <b>8</b> <b>12</b>		No. of Lines Used? <b>2</b>			<b>15/6/00</b>				
Catch Details Tick box below to show logbook option		Catch Details Tick box below to show logbook option		First Receiver's of Fish			<b>ULLADULLA CO-OP</b>				
Yellowfin Tuna <input checked="" type="checkbox"/>	No. Fish Kept: <b>11</b> Est. Processed Mt Kept (kg): <b>350</b> Form Code: <b>GG</b>	No. Fish Kept: <b>3</b> Est. Processed Mt Kept (kg): <b>14</b> Form Code: <b>GG</b>	No. Fish Kept: <b>14</b> Est. Processed Mt Kept (kg): <b>480</b> Form Code: <b>GG</b>	No. Fish Kept: <b>1</b> Est. Processed Mt Kept (kg): <b>3</b> Form Code: <b>GG</b>	No. Fish Kept: <b>3</b> Est. Processed Mt Kept (kg): <b>60</b> Form Code: <b>GG</b>						
Bigeye Tuna <input checked="" type="checkbox"/>	No. Fish Kept: <b>4</b> Est. Processed Mt Kept (kg): <b>150</b> Form Code: <b>GG</b>	No. Fish Kept: <b>6</b> Est. Processed Mt Kept (kg): <b>160</b> Form Code: <b>GG</b>									
Albacore <input type="checkbox"/>	No. Fish Kept: <b>7</b> Est. Processed Mt Kept (kg): <b>50</b> Form Code: <b>W</b>	No. Fish Kept: <b>4</b> Est. Processed Mt Kept (kg): <b>40</b> Form Code: <b>W</b>									
Southern Bluefin Tuna <input type="checkbox"/>							See writing template for a list of FORM CODES – to be entered with each shot.				
Broadbill Swallowtail <input type="checkbox"/>			No. Fish Kept: <b>2</b> Est. Processed Mt Kept (kg): <b>90</b> Form Code: <b>TR</b>								
Striped Marlin <input type="checkbox"/>	No. Fish Kept: <b>1</b> Est. Processed Mt Kept (kg): <b>35</b> Form Code: <b>TR</b>										
Ray's Brain <input type="checkbox"/>			No. Fish Kept: <b>2</b> Est. Processed Mt Kept (kg): <b>3</b> Form Code: <b>GG</b>								
Northern 'Jumbo' Bluefin Tuna <input type="checkbox"/>											
Short Finned Mako Shark <input type="checkbox"/>	No. Fish Kept: <b>1</b> Est. Processed Mt Kept (kg): <b>80</b> Form Code: <b>F</b>			No. Fish Kept: <b>1</b> Est. Processed Mt Kept (kg): <b>1</b> Form Code: <b>F</b>			MITIGATION MEASURES CODES				
Brown Whale Shark <input type="checkbox"/>							TOR = bird scaring line & pole				
Jacky Mackerel Shark <input type="checkbox"/>							THAW = thawed bait				
Blue Shark <input type="checkbox"/>			No. Fish Kept: <b>7</b> Est. Processed Mt Kept (kg): <b>7</b> Form Code: <b>F</b>	No. Fish Kept: <b>4</b> Est. Processed Mt Kept (kg): <b>4</b> Form Code: <b>F</b>			PSBL = punctured swim bladder (Pole)				
Oceanic Whitefish Shark <input type="checkbox"/>							NSET = night setting				
Blacktip Shark <input type="checkbox"/>							LWEI = line weighting (branch line)				
Tiger Shark <input type="checkbox"/>							CHUTE = under-water setting chute				
Hammehhead Shark <input type="checkbox"/>							CAPS = under-water setting capsule				
Silly Shark <input type="checkbox"/>							DYED = dyed bait				
Portage Shark <input type="checkbox"/>	No. Fish Kept: <b>2</b> Est. Processed Mt Kept (kg): <b>90</b> Form Code: <b>TR</b>										
Rudderfish <input type="checkbox"/>	No. Fish Kept: <b>2</b> Est. Processed Mt Kept (kg): <b>10</b> Form Code: <b>GG</b>	No. Fish Kept: <b>1</b> Est. Processed Mt Kept (kg): <b>30</b> Form Code: <b>TR</b>					OTHER = please describe in comments section, eg. bait casting machine				
Gilfish <input type="checkbox"/>			No. Fish Kept: <b>1</b> Est. Processed Mt Kept (kg): <b>4</b> Form Code: <b>GG</b>								
Escolar (Black Oilfish) <input type="checkbox"/>	No. Fish Kept: <b>3</b> Est. Processed Mt Kept (kg): <b>25</b> Form Code: <b>GG</b>										
Gelatinfish <input type="checkbox"/>							MAPP = eg. setting north of 30° or caught during haul				
Wahoo <input type="checkbox"/>	Sunfish		No. Fish Kept: <b>1</b> Est. Processed Mt Kept (kg): <b>1</b> Form Code: <b>F</b>								
Lancefish <input type="checkbox"/>			No. Fish Kept: <b>3</b> Est. Processed Mt Kept (kg): <b>3</b> Form Code: <b>F</b>								
Other Species	Moonfish		No. Fish Kept: <b>1</b> Est. Processed Mt Kept (kg): <b>1</b> Form Code: <b>F</b>	No. Fish Kept: <b>2</b> Est. Processed Mt Kept (kg): <b>2</b> Form Code: <b>F</b>							
Thresher Shark <input type="checkbox"/>	No. Fish Kept: <b>1</b> Est. Processed Mt Kept (kg): <b>50</b> Form Code: <b>TR</b>	No. Fish Kept: <b>1</b> Est. Processed Mt Kept (kg): <b>10</b> Form Code: <b>F</b>									
Species		Number Released		Number Released		Number Released					
		Alive	Dead	Alive	Dead	Alive	Dead				
Blue Marlin		<b>1</b>									
Black Marlin											
Great White Shark											
Grey Nurse Shark											
Shot No.		Species Group eg. seabird, cetacean, turtle OR Species (if known)		No. Released		Position Caught		No. Caught During Haul		Estimated Time of Interaction	
		Alive	Dead			Lat. (dd mm) / Long. (dd mm)					
<b>1</b>		<b>Loggerhead Turtle</b>		<b>1</b>		<b>35° 24'S 151° 41'E</b>		<b>N/A</b>		<b>N/A</b>	
<b>2</b>		<b>Albatross</b>		<b>1</b>		<b>36° 29'S 151° 52'E</b>		<b>1</b>		<b>0700</b>	
COMMENTS – Is there anything else that you consider to be important? eg. gear failure, tag or band numbers, was the animal hooked or entangled, etc.											
Shot No. <b>2</b> . Hooked in hook – Bird drowned, carcass discarded. Band no. and further details recorded on Tag Form. Photos provided with logsheet. Turtle released alive, trace car at hook.											
Tag (Band No.) <b>A754L</b>											
I certify the information which I have provided on this form to be a complete and accurate record											
Concession Holder or Authorized Person		Printed Name <b>TIM GARDENER</b>				Signature <b>T. Gardener</b>			Date <b>15/6/02</b>		

NOTE • If tagged fish / animals or banded birds are captured, please complete tag form at back of book and return to AFMA.

**Australian Tuna Minor Line Daily Fishing Logbook - OT03**

Farm Codes: W - White, G - Gold & Silver  
 H - Hatched, P - P/Balad  
 T - Trout (Hatched & grafted)

Log No: 0333/009 Date: 8/10/96

Local Name: Hot Tuna

Master's Name: C. Gavin

1) Do not tick both dates: 3, 9, 1, 96 and 7, 1, 1, 96. Date is: NON-FISHING CODE (1000 APPROXIMATE 0000)

2) Boat Weather:  1.  2.  3.  4.  5.  6.  7.  8.  9.  10.  11.  12.  13.  14.  15.  16.  17.  18.  19.  20.  21.  22.  23.  24.  25.  26.  27.  28.  29.  30.  31.  32.  33.  34.  35.  36.  37.  38.  39.  40.  41.  42.  43.  44.  45.  46.  47.  48.  49.  50.  51.  52.  53.  54.  55.  56.  57.  58.  59.  60.  61.  62.  63.  64.  65.  66.  67.  68.  69.  70.  71.  72.  73.  74.  75.  76.  77.  78.  79.  80.  81.  82.  83.  84.  85.  86.  87.  88.  89.  90.  91.  92.  93.  94.  95.  96.  97.  98.  99.  100.

**FISHING DETAILS**

Area Fished: Latitude: Longitude: Time Zone: 152° 50'

Minor Line Method(s) Used Today (just appropriate boxes)

Handline: No Lines  Yes

Trotting: No Lines  Yes  4.5

Boat & Hand: No Lines  Yes  2. 6

Other Method: No Lines  Yes

Boat Used: No Lines  Yes

**Poling Details (if applicable)**

No. Poles Used: Type used (in appropriate)

Hours: Start Time (24hr): Hours: Finish:

When you entering a Salted Boat during your fishing? (100)

Dist. Symbol of assisted saline tank?

**Boat Details** - No. of fish used today & how approximate boats

Line Used:  1.  2.  3.  4.  5.  6.  7.  8.  9.  10.  11.  12.  13.  14.  15.  16.  17.  18.  19.  20.  21.  22.  23.  24.  25.  26.  27.  28.  29.  30.  31.  32.  33.  34.  35.  36.  37.  38.  39.  40.  41.  42.  43.  44.  45.  46.  47.  48.  49.  50.  51.  52.  53.  54.  55.  56.  57.  58.  59.  60.  61.  62.  63.  64.  65.  66.  67.  68.  69.  70.  71.  72.  73.  74.  75.  76.  77.  78.  79.  80.  81.  82.  83.  84.  85.  86.  87.  88.  89.  90.  91.  92.  93.  94.  95.  96.  97.  98.  99.  100.

**TOTAL CATCH FOR THE DAY**

Species Code (see fishery permits for details)	No. of Fish Caught	Estimated Total Weight (kg)	No. of Fish Returned to Sea
WFT	12	21	1
ALB	15	9	3
SKT	7	45	5
DDL	5	30	2

**LANDING DETAILS** (include fish not landed for each species listed. Don't forget to add them back for total weight. - based on total at the top right of this page)

Port of Landing	Species Code	Weight (kg)	Number
Coffe Harbour	WFT	14	9
Coffe Harbour	ALB	10	9
Coffe Harbour	SKT	53	9
Coffe Harbour	DDL	28	9

Comments: Weather very calm. Fished a current low about 10km offshore. Hope of fish on surface all day.

**Master's Signature:** \_\_\_\_\_  
 (Copy this information. I have provided for the form to a complete and accurate record.)

Date: 7/10/96

*C. Gavin*

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# Australian Purse Seine and Pole Daily Fishing Log – PSP01

NOTE: IF POLING AND DOING DAY TRIPS PLEASE USE THE TUNA MINOR LINE LOGBOOK TO RECORD YOUR CATCH

Original Copy – Send to AFMA

Fishing Date		Fishing Method Used (tick appropriate box) Dredging <input type="checkbox"/> Poling <input type="checkbox"/> Purse Seining <input type="checkbox"/>		Log No.		Page No.	
Vessel Name		Dredge Symbol		Estimated Catch Weights per Shot (kg) - tick box below fish name to indicate your target species			
Search Details NP Code Date (day/month)		Fishing Details These zones used by log entries (tick box) Zone 1 <input type="checkbox"/> Zone 2 <input type="checkbox"/> Zone 3 <input type="checkbox"/> Zone 4 <input type="checkbox"/> Zone 5 <input type="checkbox"/> Zone 6 <input type="checkbox"/> Zone 7 <input type="checkbox"/> Zone 8 <input type="checkbox"/> Zone 9 <input type="checkbox"/> Zone 10 <input type="checkbox"/> Zone 11 <input type="checkbox"/> Zone 12 <input type="checkbox"/> Zone 13 <input type="checkbox"/> Zone 14 <input type="checkbox"/> Zone 15 <input type="checkbox"/> Zone 16 <input type="checkbox"/> Zone 17 <input type="checkbox"/> Zone 18 <input type="checkbox"/> Zone 19 <input type="checkbox"/> Zone 20 <input type="checkbox"/> Zone 21 <input type="checkbox"/> Zone 22 <input type="checkbox"/> Zone 23 <input type="checkbox"/> Zone 24 <input type="checkbox"/> Zone 25 <input type="checkbox"/> Zone 26 <input type="checkbox"/> Zone 27 <input type="checkbox"/> Zone 28 <input type="checkbox"/> Zone 29 <input type="checkbox"/> Zone 30 <input type="checkbox"/> Zone 31 <input type="checkbox"/> Zone 32 <input type="checkbox"/> Zone 33 <input type="checkbox"/> Zone 34 <input type="checkbox"/> Zone 35 <input type="checkbox"/> Zone 36 <input type="checkbox"/> Zone 37 <input type="checkbox"/> Zone 38 <input type="checkbox"/> Zone 39 <input type="checkbox"/> Zone 40 <input type="checkbox"/> Zone 41 <input type="checkbox"/> Zone 42 <input type="checkbox"/> Zone 43 <input type="checkbox"/> Zone 44 <input type="checkbox"/> Zone 45 <input type="checkbox"/> Zone 46 <input type="checkbox"/> Zone 47 <input type="checkbox"/> Zone 48 <input type="checkbox"/> Zone 49 <input type="checkbox"/> Zone 50 <input type="checkbox"/> Zone 51 <input type="checkbox"/> Zone 52 <input type="checkbox"/> Zone 53 <input type="checkbox"/> Zone 54 <input type="checkbox"/> Zone 55 <input type="checkbox"/> Zone 56 <input type="checkbox"/> Zone 57 <input type="checkbox"/> Zone 58 <input 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Zone 1074 <input type="checkbox"/> Zone 1075 <input type="checkbox"/> Zone 1076 <input type="checkbox"/> Zone 1077 <input type="checkbox"/> Zone 1078 <input type="checkbox"/> Zone 1079 <input type="checkbox"/> Zone 1080 <input type="checkbox"/> Zone 1081 <input type="checkbox"/> Zone 1082 <input type="checkbox"/> Zone 1083 <input type="checkbox"/> Zone					



**Australian Purse Seine and Pole Daily Fishing Log - For Farmed Southern Bluefin Tuna Only TPB03**

Log Book No: 0026 Page No: 02 Boat Name: Sea Spray Date Received: LFB 12345 Master's Name: C. Gavin

SEEK APPROPRIATE NON-FISHING (NF) CODE BOX AT RIGHT: 1. Bad Weather  2. In Port  3. Broken Gear  4. T. Catch Drying  Fishing Method Used: (tick appropriate box)  Pole Seining

I did not work between: 28.5.98 and 28.11.98 4. Starving  18. Full  Duplicates (tick, if recording separately)  100. Other selective pole or seine boats  LFB033 (pole boat)

Date of Fishing (day/month)	NF Code	Search Details	Fishing Details				Total Weight and Type of Catch			Estimated Catch Weights per Shot (kg)				Towing		
			Start Time (24hr local time)	Latitude	Longitude	Net Size (m)	Type	Age	SBT Weight	Other Species	Other Weight	Carrier Boat Name	Weight Transferred	Towler Date	SBT ID	
28/11	4	1000	1300	25°40'	152°50'	4	1200	1200	4,000	-	-	4,000	8,000	28/11	036	09
29/11	4	1000	1300	24°25'	151°08'	4	1200	1200	65,000	-	-	65,000	15,000	1/12	034	26
2/12	4	1000	1600	23°50'	151°20'	4	1200	1200	25,000	-	-	25,000	25,000	2/12	034	26
2/12	2	1000	1600	23°54'	151°11'	4	1200	1200	12,000	-	-	12,000	12,000	2/12	034	26

Comments:

**Wildlife Interactions:**  
List any wildlife interacting with you during your fishing activities, including native animals. If possible, list Species name, Interaction Date, No. of Animals and Life Status of any animals released after capture. Life Status Codes are listed on the writing template. Please record any subs details in the Comments section.

Species: \_\_\_\_\_ Date: \_\_\_\_\_

Details: \_\_\_\_\_ Life Status: \_\_\_\_\_

Concession Holder or Authorised Person:  
I certify that the information I have provided on this form is as correct and accurate as possible.

Dated: 3/12/98

Name: C. GAVIN

Signature: C. Gavin

Note: There are tagged fishable receipts forms at the rear of this book.

### **Appendix 3: Catch Disposal Forms (CR4, SBT03, SBT04)**

CR4 Form  
Southern Bluefin Tuna Fishery  
Catch Disposal Record

Book No.	Page No.
----------	----------

**Part A: SFR Holder or Authorised Representative to Complete**

Vessel Name: **LUCKY LEARY** Dist. Symbol: **LFB123**

Area Fished:  Tas  Vic  NSW  SA  WA

Fishing Method:  Pole  Purse Seine  Longline  Trolling

Trip Start Date: **2 / 8 / 98** Trip End Date: **4 / 8 / 98**

Port Unloaded: **PORT TUNA TOWN** Date Unloaded: **4 / 8 / 98**

Part Catch Consigned  Whole Catch Consigned

Consignment Sent To: **Tana Tona Co-Oy**

Circle No. of Vehicles Including This One: **1**  2  3  4  5  6

Name of Transporter: **J. Marro & Sons**

I note that the vehicle(s) used to transport the consignment, the vehicle details are to be included on a separate CR4 (Trailer, Ferry and cart) with each separate load. If only one vehicle is used to transport this consignment complete the details of the vehicle on this form.

Type of Vehicle	Trailer Vehicle Reg	Date/Time of Departure of Consignment from point of Unloading
UTE	AB0123	4 / 8 / 98 15:30

CR4s Accompanying this Consignment (Book/Page)


Number of Fish	Accurate Weight Kg	Form Code
8	256	B
2	40	W

**Form Codes**

**W** means Whole Weight - No Processing

**A** means SBT that has been gilled and gutted so that:

- a. the gill plates are removed; and
- b. the tail is wholly removed.

**B** means SBT that has been gilled and gutted so that:

- a. the gill plates are not removed; and
- b. the tail is not wholly removed.

I declare that the information I have provided in Part A to be a complete and accurate record.

SFR Holder or Authorised Representative

Printed Name: **MIKE MARRO**

Signature & Date: *M. Marro* **4 / 8 / 98**

**Part B**

I acknowledge that I have received for transportation the amount of fish referred to in Part A.

Printed Name of Driver: **BILL SMITH**

Signature & Date: *B. Smith* **4 / 8 / 98**

Forward White copy to AFMA within 24 hours of unloading.

Leave Green copy in book.

Send the Blue and Yellow copies with the fish to the receiver of your fish.



SBT03  
Southern Bluefin Tuna Fishery  
Farm Transit Log

Book No.		Page No.	
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Carrier Boat Name **MARY LOU**

Dist. Symbol **ABC** Carrier Boat Permit Number **976451**

Tow Cage ID Number **TC38**

Fish Received From  Catcher Boat

Area Fished  Tas  Vic  NSW  SA  WA

Fishing Method  Pole  Purse Seine  Longline  Trolling

Fish Received From  Carrier Boat

Carrier Boat Name \_\_\_\_\_ Date & Time Received \_\_\_\_\_

**Transfer From Catcher to Tow Cage**

Transfer Number	Name of Catcher Boat	Dist. Symbol	Date & Time Transfer Started	Reasonable Estimate of Weight (Tonnes)	Book No	Page No
1	BLUE OCEAN	A9X	2 / 1 / 99 9:30	12	13	2
2	BLUE OCEAN	A9X	2 / 1 / 99 15:30	30	13	2
3			/ / :			
4			/ / :			
5			/ / :			
6			/ / :			

Tick box if more than 6 transfers are required and continue on the next form.

**Record of Mortalities**

1	2	3	4	5	6	7	8	9	10
0	0	1	1	1	0	2	3	1	0
11	0	1	0	1	1	0	1	1	0
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Total Mortalities During This Tow \_\_\_\_\_

**Tow Cage Transferred To Another Boat**

Carrier Boat Name \_\_\_\_\_ SBT03 Book No \_\_\_\_\_ SBT03 Page No \_\_\_\_\_

Dist. Symbol \_\_\_\_\_ Date/Time Tow Cage Transferred / / :

**Tow Cage Transferred To SFR Holder**

Date/Time Tow Ended **20 / 1 / 99 2:30**

I declare that the information which I have provided on this form to be a complete and accurate record.

Carrier Boat Permit Holder or Person Acting on their Behalf - Print Name **ALEX McNALLY**

Signature *A. McNally*

SBT04  
Southern Bluefin Tuna Fishery  
Farm Catch Disposal Record

Book No.		Page No.	
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**Part 1**

Tow Cage ID Number **JL456**

Date of Last Transfer to Tow Cage **2 / 1 / 99**

Date Tow Ended **20 / 1 / 99**

Number of Mortalities During Tow **A 15**

**Record of Mortalities**

1	X	2	1	3	2	4	X	5	X	6	2	7	1	8	X	9		10
11		12		13		14		15		16		17		18		19		20

Number of Mortalities between End of Tow and Release to Farm **B 6**

**Part 2**

**Average Weight Sampling from Tow Cage**

Sample Date **27 / 1 / 99**

Average Weight in Kg **C 20**

Name of Person Sampling **ADAM ANT**

Signature of Person Sampling *Adam Ant*

**Transfer from Tow Cage to Farm**

Transfer Date	Farm Number	Count
28 / 1 / 99		2000

Total Number of Fish **D 2021** (D = A + B + C)

Total Weight of Fish in Kg **F 40,420** (F = D \* C)

Video Reference **99010**

Date **28 / 1 / 99**

Number of Live Fish Transferred **C 2000**

AFMA Agent's Name **JOE PROTEC**

AFMA Agent's Signature *Joe Protec*

**Declaration by SFR Holder or Authorised Representative**

I have had the opportunity to witness the fish sample and count the fish transferred with AFMA's Agent and I agree with and verify the count taken. I also declare that the number of mortalities recorded in Box B of Part 1 is correct

Name **JOE BLOGGS**

Signature *J. Bloggs*

Date **28 / 1 / 99**

## **Appendix 4: Tow Cage Size Monitoring Report**

## Southern Bluefin Tuna Fishery Farm Catch per Tow Cage

<b>Catch Information</b>				
Tow No. _____	SBT04 Book & Page No. _____			
Catcher Vessel _____	CAGE OWNER _____			
Location _____	Tow Vessel _____			
Date of First Transfer into Tow Cage _____	SBT03 Book & Page _____			
Date of Last Transfer into Tow cage _____	T/Cage I.D. _____			
Date Tow Ended _____				
No. of Mortalities during Catching _____			Total Weight of Fish	_____
No. of Mortalities during Tow _____			Captured in this Tow Cage	_____
No. of Mortalities between end of Tow and Release to Farm _____			Estimated Tonnage	_____
			Total Mortalities	_____
			Total No of Fish	_____
<b>Average Weight Sample Information</b>				
Date of Sample _____	Witness _____	Average Weight of Fish in Tow Cage _____		
		confirm		

Fish Count Information				
Transfer Date	Video Count	Tonnage	Static Cage ID	Name of Cage Owner

Total Number of Live Fish Counted _____	<b>Video Reference</b>
Tapes counted by _____	

Average Weight Data				COLLECTION	
WT	LGTH	WT	LGTH	Vial No. & Length	
				Fish under 10 kilograms	