SPC/FFA REGIONAL OBSERVER

LONGLINE OBSERVER TRIP REPORT

OBSERVER NAME	OBSERVER PROGRAMME	OBSERVER TRIP ID NUMBER	VESSEL NAME
PORT OF DEPARTURE	DATE OF DEPARTURE	PORT OF ARRIVAL	DATE OF ARRIVAL

SPC / FFA MARCH 2014

1.0 BACKGROUND

What were the objectives of the trip? How was the vessel chosen? Did you have enough time to prepare for the trip? Who was the placement officer (if none name the person who sent you for the trip)? Was a placement form filled in? Was there an introduction between the captain, the vessel owner and the observer? Was a safety check made at the start of the trip using the WCPFC Guidelines. If yest describe how was it done. Were you given assistance (placement officer, Captain etc) or did you carry out the safety check yourself. State if there were problems with boarding and placement procedures.

My trip report

2.0 CRUISE SUMMARY

(see appendix 1)

Describe the departure, note down the name of the port along with the date and time of the departure. Describe outward transit arrangements with other vessels, if any. Include dates and times of transfers. Describe how long it took to get to the first fishing grounds.

Summarise: the number of days at sea on each vessel (the transit vessel / catcher vessel);
total number of fishing operations made by the vessel; and
the number of fishing operations fully monitored by the observer.

Explain if an unusual number of fishing operations were not observed.

What was the average number of hooks set per fishing operation ?

Describe any extraordinary events – major breakdowns, serious injuries, rescues of others, etc.

2.1 Area fished

Give a general description of the areas fished (e.g.: east of Outlook Atoll or south-east of Viti Levu) or a range in latitudes and longitudes (for example: between 19° and 12° N, and between 156° and 168° E).

2.2 End of trip

Describe the return port, noting the date and time of arrival. Describe returning transit arrangements with other vessels, if any. Include dates and times of transfers. Describe how long it took to return to the port after fishing. Discuss any periods (and the reason why) that no fishing took place during the trip.
If trip was incomplete (observer dropped off before vessel returned for complete unloading) explain why. Were you offered assistance from observer programme staff to disembark the vessel or other persons?

3.0 DATA COLLECTED

The SPC/FFA Regional Longline Observer data collection forms were used during the trip. Complete the Workbook Reference Form in the workbook to show how many of each forms were used during the trip.

If any type of regional standard forms were not filled in explain the reasons the data was not collected here.

3.1 Other data collected

Mention any other forms that were used and what data was collected on them.

4.0 CHAIN OF CUSTODY

Were you involved in any Chain of Custody (Marine Stewardship Council) or catch documentation scheme duties? Describe the programme you were involved in, your role and mention how successful the trip was and if the COC requirements were fulfilled.

5.0 VESSEL AND CREW DETAILS

5.1 General vessel information

If unable to get some vessel details, note the reason/s why here.
Also, if extra information about vessel details was discovered record those details here. Note any further vessel characteristics that have not been recorded onto the LL-1 form – possible examples include: vessel agent/company; gross registered tonnage (GRT); length (overall/registered/between perpendiculars), storage capacity of the vessel (metric tonnes and/or cubic meters).

5.2 Crew nationality

If you were unable to fill in some of the crew nationality data fields note the reason why here. Also, if you found out some extra information about crew nationality record those details here. Did any crew leave or join the vessel during the trip? How experienced were the crew? How long have the crew worked on this vessel?

5.2.1 Training of Pacific Island Nationals

Provide full names of all Pacific Islander crew members (if any), and their previous seamanship experiences, training backgrounds, and future goals.

	Names:	Work Exp/ Future Goals.
1		
2		
3		
4		
5		
6		
7		
8		

Comments: -

5.3 Electronics

If unable to fill in some of the electronic data fields explain the reason why here.
Also record extra information about the electronics that may be useful (e.g.: it may be useful to describe the use of a piece of equipment that the Captain was using in a unique or special way.) Were the vessel electronics generally in good condition, or were they mostly old? Explain if there were any problems understanding the electronics data fields. Mention if there were any significant advances with any of the electronics or if there were any new types of electronics on board.

5.3.1 Radio buoys

Describe type of radio buoys used (call up/non-call up, GPS) and any special features of the radio buoys. Explain if there is any aspect of radio buoys that is difficult to understand.

5.4 Fishing gear

If unable to fill in some of the fishing gear data fields, explain why here.
Also record extra information about the fishing gear that may be useful (e.g.: it may be useful to describe the use of a piece of equipment that the Captain was using in a unique or special way.) What sort of fishing gear was used on the vessel? Was it in a good mechanical order? Was it mostly new or old gear? Were there any serious breakdowns with the fishing gear during the trip? Make a note if you didn't understand any of the fishing gear data fields.

5.4.1 Mainline

Explain here if you were unable to get all necessary information on the mainline. Also explain if there is any new and interesting information about the mainline. Note the total length of the mainline that was available for use in a set (if extra replacement line is kept in storage, describe this separately). How are these values obtained ? What sort of material was used in the mainline and what was its diameter and/or strength? Explain if there was anything about the fishing gear data fields that was difficult to understand.

5.4.2 Branchlines

If unable to fill in any branchline data fields note the reason why here. Is there any new and interesting information about the branchlines ? Describe a complete branchline, including average length, diameter and/or strength and each type of material used to make up the branchline. Were wire traces included on all branchlines? How were the branchlines attached to the mainline? Draw a branchline, showing the lengths and the names of each of the pieces of the branchline. Did the average length of the branchlines change at any point during the trip? If any shark lines were used describe the make up and length of these lines: how they were attached to the mainline and the average number used during each set. Explain any aspects of branchline information data collection that were difficult to understand.

5.4.3 Float lines

Is there any interesting information about the float lines ? Describe the average length and type of material used to make up the float line. Did the length of the float lines change during trip?

5.4.4 Branchline weights

Were there any branchline weights added to the end of the branchline. If so describe the type of branchline weight that was used (safe lead, lumo lead, weighted swivel or others).

5.4.5 Fish hooks

Write a short note describing the types and sizes of hooks that were used by the vessel. - were common Japanese tuna hooks used or did they use circle hooks? Were the circle hooks offset? Were J hooks used at all ?If different hook types were mixed on the line describe the pattern of hook setting if possible.
If any shark lines were used describe the hooks used in these lines. What percentage of each hook type used during your trip?

5.5 Safety equipment.

If unable to fill in some of the safety equipment data fields explain the reason why here. Also use this area to make any useful comments about safety equipment on board the host vessel. Describe all safety equipment available onboard. Was it in good working order and serviced regularly? Was any safety briefing given to the observer while on board the vessel? Did the observer have good access to safety equipment when onboard?
Explain any aspects about safety equipment data collection that are difficult to understand.

5.6 Refrigeration method

Explain here if it wasn't possible to circle "Y" or "N" for any of the refrigeration method data fields.
Also use this area to describe any new and interesting details about the refrigeration methods onboard.
Discuss how the catch was stored on the vessel. Was some catch stored differently from other catch ?
Did the storage method change at any point during the trip? Would any further observer training on refrigeration methods be useful ?

5.7 Observations / other gear / unusual use of gear

Use this section to continue on any comments made at the bottom of the on the LL-1 form under the same heading. Write notes on anything special observed about this boat, its various equipment, electronics, or crew, when compared to other boats. Write more about equipment use, expanding on the usage codes and make comments on any equipment that is not working, not used or is used in an unusual way.
Describe any fishing gear that is different or new in comparison to other equipment you have seen on other longliners. Record make, model, special characteristics and usage of this new gear / electronics.

6.0 FISHING STRATEGY

Describe the fishing strategy employed by the captain, for example, they fished where they last caught fish; information from other vessels, directed by the boat owner, using the track plotter, echo sounder, information etc.

6.1 Fishery information services

Report on the type or types of information that are being accessed by the vessel - e.g.: phytoplankton, sea-surface temperature or sea-height and the types of equipment used to collect this information.
Note the name of websites that are being accessed. Was the information printed out and provided to the vessel prior to departure to sea? Give reasons if any of the relevant data fields on LL–1 could not be answered and note if aspects of these information services were not understood by the observer.

6.2 Oceanic features

Did the presence of seamounts, trench current lines, or other natural features influence fishing strategy?

6.3 Setting and hauling information

Describe the general start of set time and its duration, also the general start of haul time and its duration. Describe if there were any major problems encountered during setting or hauling.
Note average number of hooks used in a basket and if this number changed significantly during the trip. Explain why, if it was not possible to fill any of the hook / basket, line setting speed data fields on the LL-2/3.

6.4 Target fishing depths (depth of the line/hooks)

Was the vessel targeting a deep or shallow depth with its line? Was a line shooter used onboard ? If not, explain how the distance between branchlines was assessed ? Was the line shooter speed clearly displayed in knots or meters per second. Was there a regular beep emitted for branchline attachment ? Did the crew stick closely to this rhythm? Explain if unable to fill any of the setting interval or vessel speed data fields.
Note if there is any aspect of the setting interval data fields that are difficult to understand.

6.5 Bait / baiting sequence

If unable to fill any of the "bait used" data fields explain why here. What type of the bait was used during the trip ? Mention if any of the bait used was live bait. Describe any baiting sequence that you might have observed on the vessel. Was the same baiting sequence used throughout the trip, or only some of the times. How was bait stored ? Describe any new interesting information about the bait or baiting sequence.

6.6 Mitigation Methods

Describe in detail any of the mitigation methods the vessel used. Mention if they used any of the following (side setting with a bird curtain, night setting with reduced deck lighting, tori lines, weighted branchlines, blue-dyed bait, deep setting line shooter, underwater setting chute, management of offal discharge.) Mention what crew were involved and what their role was. Pay attention to the exact location of any mitigation equipment and its height relative to the handrail (above or below). Mention if the setting time was influenced by the migration method.

6.6.1 Fish Offal Management

Describe fully how the vessel managed it fish offal or fish waste (including any gills and guts from processed fish, discards and bait fish). Were there any specific procedures or times for when fish offal etc was thrown overboard. If yes, describe what the procedures were. Mention if fish offal etc was thrown over at any time during the setting or hauling periods. State whether it was done during all set/haul periods or just for some of them.

6.7 Hauling fish onboard.

Describe how fish were hauled onboard, noting if any special equipment or techniques were used to help (e.g.: tuna missile; electrocution before landing; winches to lift large species).

6.8 Unusual set details

"Unusual set details" data fields are for recording information on any deliberate or intentional changes to the setting specifications during any of the sets. Use this section to describe fully any unusual set details observed during the trip and to expand on any comments made on the LL-2/3 form.
If the "unusual set details" was very different for an individual set note the start of set date and time before explaining the "unusual set details" each of these sets.
Note any aspect of "unusual set details" that are difficult to understand. (More space at back if required.)

6.9 Changes between sets

Describe any changes to the gear between sets (e.g.: extra radio buoys added for certain sets).
N.B.: this is different to unusual set details which describes changes during the set.

7.0 ENVIRONMENTAL CONDITIONS

7.1 Weather

Describe the weather in general during the trip or for distinctive periods of the trip.
Was it windy, rainy, cloudy, fine ? What direction did the wind mostly come from and how strong; etc.
Indicate if fishing was not possible at any time because of adverse conditions.

7.2 Sea conditions.

Describe the usual sea conditions for most of the trip or during notable parts of the trip.
Include: general direction and size of the swell; sea surface temperature (if available); current direction and strength (if known); etc.

7.3 Moon phase

Describe the moon phase during the trip. Was fishing during the full moon, new moon, or other.
Did the moon phase have any effect on the amount or the type of species caught by the vessel?

8.0 CATCH DETAILS

8.1 Target catch details

What was the target species for the vessel during the trip? Was there more than one target species (tuna, swordfish, sharks) for any, or all, of the sets. Did target species change from set to set or at any point during a set.
Describe catch of target species in detail (see appendix 2)
State the common name followed by the scientific name and FAO code in brackets for each of the target species landed (e.g.: bigeye tuna (*Thunnus obesus*, BET)). Describe the total number taken and their general condition when landed.

8.1.1 Target catch processing and storage

Describe exactly how the target catch were processed and stored: were they spiked, ‘taniguchi-ed’ (spinal chord destroyed) and/or bled; did the vessel appear to take care with processing; how and where were they stored/ preserved ?

8.1.2 Target catch discards

Were any target catch species discarded? What was the reason for discarding these fish? State the total number of target species discarded under each fate category.

8.1.3 Target catch damage

Were any of the target catch species damaged by whales, sharks, cookie cutter sharks, squid, the fishing gear or any other species. Give the number of target catch that were damaged for each category. Describe fully the type of damage you saw and give the reason why you credited each type of damage to either whales, sharks, squid, the vessel or any other category.

8.2 By-catch details

(see appendix 2)

8.2.1 Other (non-target) tuna and billfish

Describe catch of other tuna and billfish. List common name followed by scientific name and FAO code in brackets for each species hooked (e.g. striped marlin (*Tetrapturus audax*, MLS).
Describe the numbers dead or alive on landing and the numbers that were shark or whale damaged … or some other sort of damage. Did many or any escape before landing ?
Describe how many were discarded or retained and how they were processed, depending on condition.

8.2.2 Sharks and rays

For each shark or ray species hooked, list the common name followed in brackets by the scientific name and FAO code (e.g.: silky shark (*Carcharhinus falciform*, FAL)). Describe the number of each landed, general condition when landed (i.e. mostly dead or alive), whether they were retained or discarded, if any escaped, if any were damaged and how, and how processed (especially if unusual processing techniques are used for some species). Especially note if sharks were being targeted with use of special shark hooks. Did the vessel use electronic stunner to kill the hooked catch? Report all details with regards to landed OCS or FAL sharks in section 8.4.

8.2.3 Other by-catch species

For each 'other by-catch species' hooked, list the common name followed, in brackets, by the scientific name and FAO code (e.g.: mahimahi (*Coryphaena hippurus*, DOL)). For each species describe the number landed, the general condition (i.e. mostly dead or alive) and whether they were discarded or kept (retained) on board. Did many or any escape; was it especially noticeable that those landed were damaged in any way; if retained how were they processed?

8.3 Unspecified species/local names/group species codes

If a correct FAO species code cannot easily and accurately be given to a species use a local name, a group species code, or the code "UNS" (unspecified) on the forms and fully describe the species here. Try to draw the unknown or uncertain species in the observer diary, photograph it or bring back a sample (or a combination of these). Then, back on shore, work with the debriefer to try to find a correct code.

8.4 Species of special interest

(see the codes page for a list of all species of special interest)

8.4.1 Species of special interest – landed.

Write a brief and accurate description of every single species of special interest landed on deck. Summarise the interaction/treatment/release. State the code/name/*scientific name* (TUG/green turtle/*Chelonia mydas*) for each landed species. Did you notice the SSI before the set was made? Were there any problems identifying the different species? Give a full description for each landed species, and its condition when landed. Note the treatment it received onboard and its condition when discarded or released. Do you, in your opinion, need further training for SSI identification and training in the latest accepted methods of handling these species?

Pay particular attention to any Oceanic White Tip Sharks (OCS) or Silky Sharks (FAL).

8.4.2 Species of special interest – interactions.

State the code/name/*scientific name* for any SSI that interacted with the vessel (e.g.: SSI were sighted swimming around the outer edge of the net; SSI were caught inside the seiners' net but were not landed; etc). Was it possible to identify these species properly? If you have any doubts about the identification give a full

description of the id features Report if the species was harmed in anyway during the interaction? Did the vessel make any attempt to assist any of these creatures to escape? Were the WCPFC handling guidelines for whale shark followed correctly. Pay particular attention to reporting on any oceanic white-tip sharks (OCS) or whale sharks (RHN). Were the WCPFC handling guidelines for whale sharks followed properly by the vessel? More notes can be written under paragraph 13.0 Vessel Trip Monitoring.

Pay particular attention to any Oceanic White Tip Sharks (OCS) or Silky Sharks (FAL).

8.4.3 Species of special interest – interactions with toothed whales and dolphins (cetacean predation)

Did the vessel have problems with toothed whales and dolphins during the trip? Did you see any whale damaged fish? If so during how many sets? Was there any mention of dolphins taking bait from the hooks? Did the vessel steam to new fishing grounds to get away from whales on any occasion? How many times did that occur, if any? Did the Captain have any techniques for avoiding whales and dolphins?

8.4.4 Species of special interest – sightings

Did you sight any species of special interest from the vessel. What species did you see? How hard was it to identify the species. Are you confident in your identification? What identification features did you notice? How far away were the species from the vessel. Was there more than one sighting. Could you tell if there were adults and calves together?

9.0 TRANS-SHIPPMENT / TRANSFER OF CATCH

Trans-shipment of catch at sea is illegal. However, some countries do allow specific longline vessels to transfer catch within their EEZ under specific national laws and with certain requirements. If any trans-shipment of catch happened during the trip mention it here. Mention the total amount (in numbers) for each target species. Mention the name of the receiving vessel.

10.0 OTHER PROJECTS

10.1 Tags

Describe details if any tagged species were tagged and the condition of the tagged fish. What type of tag, conventional/dart, pop-up satellite (PSATs) or regular archival tag. Were any tagged fish found? Record tag number, species, GPS position/location, length and measured weight.

10.2 Stomach sampling

Briefly describe and comment on the sampling you carried out during your trip. Was is easy to carry out the sampling, note any problems you faced and any suggestions you have to improve the sampling. Mention how/ when and to who the samples and the data forms were handed to after your trip.

10.3 Other projects ……

Describe the data collected for any other special projects you were asked to carry out.
Use a new number and heading for each project (e.g. 10.3.1 Something ??? sampling) (more space at end of this report if needed).

11.0 VESSEL TRIP MONITORING

Describe any problems, suspected infringements, alleged illegal activities encountered in monitoring the vessel. Note this may vary depending on whether the vessel is multilateral licensed vessels under a regional agreement (such as the US Treaty or the Federated States of Micronesian Arrangement) or whether it is bilaterally licensed in a member countries waters. If any infringement is suspected, collect as much evidence as possible, providing it can be collected/recorded without undue risk. Evidence could include photos, original documents, copies of documents, etc. You are under no obligation to let the Captain know these observations have been made, however if you do wish to discuss the matter with the captain make sure that your safety will not be jeopardy. If the violation is considered to be deliberate, it is advisable to say nothing; if possible without putting yourself in danger record what you can in your diary or other notebook and then give a detailed report on what was seen when back in port. If it seems that a misunderstanding led to the alleged infringement and you feel talking to the captain about the alleged infringement will be helpful and safe, then discuss the matter and note the response and, as soon as possible, write up the conversation in the observer diary. (This is only recommended in the case of minor infringements)

Most infringements whether accidental or deliberate are still infringements and will be dealt with in the same manner. The observer on board is in the best position to judge the mood and personality of the captain and crew. Whatever occurs, write a full report and record as much information on the incident as possible, both here and in the observer diary. Include the full name of people involved, positions, times and dates. Also note the relevant diary page numbers here. As a quick indicator whether a vessel has committed or not committed an alleged infringement make sure the GEN-3 Form is filled out properly for the trip. If an infringement is noted

on GEN-3 use this area to describe in detail the alleged infringement under the relevant titles, if more area is required record it at the end of this report. Ensure you indicate the particular reference areas on Form Gen-3

NEW FOR 2014: WE HAVE REMOVED THE SECTION TITLES TO SAVE SPACE.

IT IS STILL VERY IMPORTANT THAT YOU MAKE A FULL CLEAR REPORT ON ALL INFRINGEMENTS, AS INDICATED BY THE GEN-3 FORM. ENSURE THERE IS A FULL REPORT FOR ANY BOX TICKED YES ON THE GEN-3 FORM.
START ALL INFRINGEMENT REPORTS BY RE-WRITING THE INFINGEMENT REFERENCE NUMBER FROM THE GEN-3 FORM, THE DATES IT OCCURRED AND YOUR JOURNAL PAGE NUMBER WHERE THE INCIDENT IS REPORTED.

EXAMPLE: *"SS-a) Fail to monitor international safety frequencies: 20th, 21st , 22nd March, 6th, 9th, 10th April. Journal pages 15, 16, 17, 25, 26 and 27".*

- START EACH INFRINGEMENT REPORT WITH THE FULL GEN-3 REFERENCE; THE DATES IT OCCURRED, AND YOUR JOURNAL PAGE NUMBER -

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12.0 VESSEL'S OWN DATA COLLECTION:

Use this section to comment on the type of data collected and recorded by the vessel. Does the vessel use the regional logsheet / logbook. If not what kind of logsheet are they using? Who is primarily responsible for recording the data and when do they do this (Captain onboard, agent on shore, other) and on what paper or book is the data written on.

A second paragraph should detail the type of data that is being collected and how it is being estimated (weighted green-weights, weighted processed weights, eye-estimates of green-weights, eye-estimates of processed weights, etc). Stress where this differs from the data that you collect.

13.0 GENERAL

General information picked up casually during the trip that may be used to understand development of the fishery or for improving observer life on board. Examples of possible headings are:

11.1 Clarify, by giving more information, about to any advances you got or any expenses you are claiming**.**

11.2 Recommendations for observers (special problems or needs of observers on this or similar boats)

11.3 Crew information (perhaps covering salaries, general experience and background)

11.4 Medical and Hygiene issues (medical problems encountered by observer/crew)

11.5 Photos (for any photos taken during the trip list the frame number and subject of the photo)

11.6 Your headings (perhaps could include information on new markets or markets for new target species, new fishing strategies, new processing techniques, intelligence about other licensing arrangements your vessel and/or vessel fleet have, TDR information etc)

14.0 PROBLEMS ENCOUNTERED

Explain any problems not reported elsewhere in this report regarding: the vessel captain; crew; information and data gathering; etc. If you have possible solutions to the problems reported, provide suggestions on how these problems might be resolved.

14.1 Form change recommendations

Recommend possible changes or areas that need better explanation, if any.
Do any data fields seem not to make sense or could the instructions and these guidelines be improved ?
Note any problems and make suggestions on how to improve these areas.
This will help in future reviews of the forms (normally every two years).

15.0 CONCLUSIONS / RECOMMENDATIONS

Describe your general impressions of the trip. Any items that need follow-up should be mentioned here. Discuss any subject or other matters that was not covered in the other sections of this written report.

16.0 ACKNOWLEDGMENTS

Provide acknowledgments to people, companies or organisations who helped organise or offered support during the trip (e.g.: fishing companies, outside observer coordinators, radio operators, vessel captain and crew, etc.)

Extra Space If Required.

Notes for observers on filling out tables.

Appendices with report summaries from the Regional observer database can be attached to this observer report once the data has been entered. If it will be awhile before observer data can be keyed into an observer database, **the observer must prepare summary tables from which to obtain information to help write their report.**

For Appendix 1.

For the "Trip summary table" the number of observer days is the days observer is actually on vessel. Include the day getting on the vessel as one day, even if it was in the evening.
Similarly, include the day getting off the vessel even if it was in early morning.
The rest of the information can be worked out from the "Set summary table".

Use the "Set summary table" to write down the figures that are found on each of the Form LL-2s.
Add the numbers to get total on the second from bottom line and then divide the total by the number of sets to get the average on the bottom line.

The number of "Hours to set" and the number of "Hours to haul" will have to be calculated from start and end times on each Form LL-2 and Form LL-3.
Record hours to one decimal place, so for example: 1 hour and 20 minutes would be recorded as 1.3 hours; 2 hours 34 minutes recorded as 2.6 hours; and 10 hours 5 minutes would be recorded as 10.1 hours.

The remaining data can be recorded directly from the Form LL-2s.

For Appendix 2.

Use the worksheets to add up information from all Form LL-4s.

The easiest way to use these is to keep adding to it every day, instead of trying to do it at end of trip.
Keeping the worksheets updated on a daily basis should make it easier.

Appendix 2. tables have separate columns for each of the common fate codes in each species group.
Other columns are left blank for the observer to enter in any other fate code used.

The tables are designed to have the most important information to the left, but when filling in the tables the observers will find it easier to calculate for the columns towards the right first then calculate back to get numbers discarded, retained and total caught for each species.

Add up the number of each fish measured (most of them hopefully) to fill in the "No. of lengths" column.

At the end of the trip the worksheets will not be part of the report but should be handed in with all your other data nevertheless. However, the appendices will be part of your report and information from them used to help you write sections in the report …. particularly the "Trip Summary" and "Catch" sections.

Appendix 1. – Trip and Set Summaries

Trip summary table

			Minimum	Maximum	Average
No. of observer days:	_____	No. of hooks per set:	_____	_____	_____
		Hooks per basket:	_____	_____	_____
No. of sets:	_____	Distance between branchlines:	_____	_____	_____
		Length of floatlines:	_____	_____	_____
Average time		Vessel setting speed:	_____	_____	_____
for setting:	_____	Line setting speed:	_____	_____	_____
for hauling:	_____	Branchline set interval:	_____	_____	_____

Set summary table (time = hrs to one decimal place; distance in meters)

Set No.	Hours to set	Hours to haul	Total hooks	Hooks per basket	Distance between branchlines	Length of floatlines	Vessel setting speed	Line setting speed	Branch-line set interval
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Total									
Average									

Optional Appendix 2 . - **Catch statistics and catch fate**

Tuna

Species	Total caught	No. retained (kept)	No. of discards	% discards	No. of lengths	RGG Retained gilled and gutted	RWW Retained whole	RHG Retained headed and gutted	(fate code) (fate)	DUS Discarded uneconom-ic species	DSD Discarded shark damaged	DWD Discarded whale damaged	DGD Discarded gear damaged	(fate code) (fate)	(fate code) (fate)
YFT															
BET															
ALB															
SKJ															
Total:															

Billfish

Species	Total caught	No. retained (kept)	No. of discards	% discards	No. of lengths	RGG Retained gilled and gutted	RPT Retained partial (eg: fillet, loin, trunk)	RHG Retained headed and gutted	(fate code) (fate)	DUS Discarded uneconom-ic species	DSD Discarded shark damaged	DWD Discarded whale damaged	DGD Discarded gear damaged	(fate code) (fate)	(fate code) (fate)
SWO															
MLS															
BLZ															
BLM															
SFA															
SSP															
Total:															

Sharks

Species	Total caught	RFR Retained both fins and trunk	DFR Discarded trunk but fins kept	DUS Discarded uneconom-ic species	DTS Discarded too small	(fate code) (fate)	No. of lengths	Species	Total caught	RFR Retained both fins and trunk	DFR Discarded trunk but fins kept	DUS Discarded uneconom-ic species	DTS Discarded too small	(fate code) (fate)	No. of lengths
BSH															
OCS															
FAL															
								Total:							

Optional Appendix 2 (continued) - Catch statistics and catch fate

										(fate code)		(fate code)	(fate code)	(fate code)	(fate code)	(fate code)
Other species						RGG	RWW	RHG	RCC		DUS					
Species	Total caught	No. retained (kept)	No. of discards	% discards	No. of lengths	Retained gilled and gutted	Retained whole	Retained headed and gutted	Retained crew con-sumption	(fate)	Discarded uneconom-ic species	(fate)	(fate)	(fate)	(fate)	(fate)
Total:																

Optional Appendix 2 (continued) - Catch statistics and catch fate

										(fate code)		(fate code)	(fate code)	(fate code)	(fate code)	(fate code)
Other species						RGG	RWW	RHG	RCC		DUS					
Species	Total caught	No. retained (kept)	No. of discards	% discards	No. of lengths	Retained gilled and gutted	Retained whole	Retained headed and gutted	Retained crew con-sumption	(fate)	Discarded uneconom-ic species	(fate)	(fate)	(fate)	(fate)	(fate)
Total:																

Optional Appendix 2 (continued) - Catch statistics and catch fate

Other species

						RGG	RWW	RHG	RCC	(fate code)	DUS	(fate code)	(fate code)	(fate code)	(fate code)	(fate code)
Species	Total caught	No. retained (kept)	No. of discards	% discards	No. of lengths	Retained gilled and gutted	Retained whole	Retained headed and gutted	Retained crew con-sumption	(fate)	Discarded uneconom-ic species	(fate)	(fate)	(fate)	(fate)	(fate)
Total:																

OPTIONAL WORKSHEET **(part 2.) for Appendix 2 - tally board for trip catch statistics** (keep up to date daily)

Species	No. RGG	No. RWW	No. RHG	No. (fate code)	No. (fate code)	No. DSD	No. DSD	No. DWD	No. (fate code)	No. (fate code)	No. lengths

OPTIONAL WORKSHEET **(part 2.) for Appendix 2 - tally board for trip catch statistics** (keep up to date daily)

Species	No. RGG	No. RWW	No. RHG	No. (fate code)	No. (fate code)	No. DSD	No. DSD	No. DWD	No. (fate code)	No. (fate code)	No. lengths

OPTIONAL WORKSHEET **(part 2.) for Appendix 2 - tally board for trip catch statistics** (keep up to date daily)

Species	No. RGG	No. RWW	No. RHG	No. (fate code)	No. (fate code)	No. DSD	No. DSD	No. DWD	No. (fate code)	No. (fate code)	No. lengths

OPTIONAL WORKSHEET **(part 2.) for Appendix 2 - tally board for trip catch statistics** (keep up to date daily)

Species	No. RGG	No. RWW	No. RHG	No. (fate code)	No. (fate code)	No. DSD	No. DSD	No. DWD	No. (fate code)	No. (fate code)	No. lengths