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FAD FISHERY MODEL LOGBOOK



If found please return booklet to the Fisheries Division/Department
[Insert Address Here]
[Insert Telephone Number Here]

FAD FISHERY MODEL LOGBOOK

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FOREWORD

This model logbook was developed through a joint collaboration between the CRFM and the JICA-funded Caribbean Fisheries Co-Management (CARIFICO) Project. A detailed description of the process of its development with recommendations for implementation of a logbook system for FAD fisheries is published in CRFM Technical and Advisory Document – Number 15/02. The main purpose of the logbook is to involve fishers in the collection of data which will provide a wide range of information to help make the best possible decisions concerning the management of FAD fisheries.

Of specific importance is that the data collected can also be used by boat owners and fishers to help plan their fishing trips, keep track of their expenses and earnings and keep records that can be used to get financial assistance from credit agencies.

Making fishers and boat owners aware of the importance and benefits of the data collected is very important to the success of any logbook programme. Fishers should also be trained in how to accurately identify the various species caught in FAD fisheries and how to use the data collected to estimate their costs of fishing and earnings from the sale of fish.

It is intended that the national fisheries authorities of the six countries that are participating in the CARIFICO Project will test and modify the logbook to suit the specific local situations and develop the corresponding computerized database to be able to store and analyze the data collected under the FAD Logbook Programme.

Based on the results from testing of the logbook as well as any other data required by managers, boat owners or fishers it may become necessary to revise this model logbook in future.

ACKNOWLEDGEMENTS

The development of this first version of the model logbook for the FAD fishery would not have been possible without the feedback from the staff of Fisheries Divisions of CRFM Member States that are participating in the CARIFICO Project namely: Antigua and Barbuda, St Kitts and Nevis, Dominica, Saint Lucia, St Vincent and the Grenadines and Grenada. We also acknowledge the assistance of Mr Mitsuhiro Ishida, of the JICA-CARIFICO Project, who provided customized drawings of the various gear types that are used around Fish Aggregating Devices. We are grateful to Mr Paul Gervain and Mr Ishida for provision of the photographs that were used on the cover of the logbook. The Secretariat also expresses its gratitude to the following members of staff who were involved in the preparation of the logbook: Elizabeth Mohammed, June Masters, Susan Singh-Renton and Pamela Gibson.

[Insert unique identifier number for logbook here and repeat on each page of the logbook]

VESSEL (BOAT) DETAILS

Name of Boat: _____

Registration Number of Boat: _____

Name of Boat Owner: _____

Address of Boat Owner: _____

Contact Telephone/Cell Number of Boat Owner: _____

Site from which boat operates: _____

Please detach and return the completed original logheets of this logbook to the Fisheries Division/Department every two weeks. The carbon copy sheets are to be retained by the fisher for his/her personal use.

**If found please return booklet to the Fisheries Division/Department
[Insert Address Here]
[Insert Telephone Number Here]**

[Insert unique identifier number for logbook here and repeat on each page of the logbook]

LOGSHEETS

[Insert unique identifier number for logbook here and repeat on each page of the logbook]

Boat Name:		Boat registration number:	
Departure site (see map to identify site):	Departure date (day/month/year):	Departure time:	
Landing site (see map to identify site):	Landing date (day/month/year):	Landing time:	

FISHING EFFORT		Number of Fishers:		
Gear Types: TR: trolling; HL: Handline DL: Dropline; LL: Longline RR: Rod & Reel		See map to identify FAD # or fishing area		
		FAD # or fishing area:	FAD # or fishing area:	FAD # or fishing area:
Gear used (select from above) :				
Number of lines				
Number of hooks				
Number of hours fished:				
Day (D) or night (N) fishing:		D <input type="checkbox"/> N <input type="checkbox"/>	D <input type="checkbox"/> N <input type="checkbox"/>	D <input type="checkbox"/> N <input type="checkbox"/>
Total number of boats fishing:				
Depth fished: <input type="checkbox"/> feet <input type="checkbox"/> metres (tick one)				

CATCH	Levels of processing – Guttled (GU); Gilled (GI); Headed (H); Finned (F); Whole (W)							
	Bait Type: Artificial Lure OR Natural Species – list species (list below)							
	Weights in <input type="checkbox"/> lbs <input type="checkbox"/> kg (tick one) - Weights are <input type="checkbox"/> estimated <input type="checkbox"/> measured on a scale (tick one)							

FAD#/ fishing area	Species	Level of Processing (encircle which applies)	Gear Type (encircle which applies)	Bait Type	Weight Caught	No. Caught	Weight Sold	Unit Price
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					

BY-CATCH	Turtles	Seabirds	Sharks	Whales	Dolphins	Porpoise	Manatee	Other
Number Kept								
Number discarded dead								
Number discarded alive								

FISHING COSTS	Indicate money spent in XCD for the following that are <u>used</u> for the fishing trip						
	Fuel:	Oil:	Ice:	Food:	Bait:	Gear:	Other (specify):
	Amount of oil <u>used</u> for the trip: Gallons <input type="checkbox"/> Litres <input type="checkbox"/> (tick one)			Amount of fuel <u>used</u> for the trip: Gallons <input type="checkbox"/> Litres <input type="checkbox"/> (tick one)			

SEA STATE (encircle one): see the Sea State Code Chart in the guidelines.	Calm (glassy)	Calm (rippled)	Smooth (wavelets)	Slight	Moderate	Rough	Very rough	High	Very high
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WATER COLOUR (encircle one): see the Water Colour Description Chart in the guidelines.	Blue	Milky turquoise-purple	Blue-green	Green	Dark green	Light brown	Red/Reddish/Red strikes	Pink	Purple	Seaweed present
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COMMENTS & OBSERVATIONS:

SUBMISSION OF LOGSHEET: Name of fisher (in BLOCK letters).....

Signature of person filling in the log sheet: Date of completion of log sheet (day/month/year):

FOR OFFICIAL USE

Received by:-	Signature:-	Date (day/month/year):
Verified by:-	Signature:-	Date (day/month/year):
Computerized by:-	Signature:-	Date (day/month/year):

[Insert unique identifier number for logbook here and repeat on each page of the logbook]

Boat Name:		Boat registration number:	
Departure site (see map to identify site):		Departure date (day/month/year):	Departure time:
Landing site (see map to identify site):		Landing date (day/month/year):	Landing time:

FISHING EFFORT		Number of Fishers:		
Gear Types: TR: trolling; HL: Handline DL: Dropline; LL: Longline RR: Rod & Reel		See map to identify FAD # or fishing area		
		FAD # or fishing area:	FAD # or fishing area:	FAD # or fishing area:
Gear used (select from above) :				
Number of lines				
Number of hooks				
Number of hours fished:				
Day (D) or night (N) fishing:		D <input type="checkbox"/> N <input type="checkbox"/>	D <input type="checkbox"/> N <input type="checkbox"/>	D <input type="checkbox"/> N <input type="checkbox"/>
Total number of boats fishing:				
Depth fished: <input type="checkbox"/> feet <input type="checkbox"/> metres (tick one)				

CATCH	Levels of processing – Gutted (GU); Gilled (GI); Headed (H); Finned (F); Whole (W)							
	Bait Type: Artificial Lure OR Natural Species – list species (list below)							
	Weights in <input type="checkbox"/> lbs <input type="checkbox"/> kg (tick one) - Weights are <input type="checkbox"/> estimated <input type="checkbox"/> measured on a scale (tick one)							

FAD#/ fishing area	Species	Level of Processing (encircle which applies)	Gear Type (encircle which applies)	Bait Type	Weight Caught	No. Caught	Weight Sold	Unit Price
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					
		GU GI H F W	TR HL DL LL RR					

BY-CATCH	Turtles	Seabirds	Sharks	Whales	Dolphins	Porpoise	Manatee	Other
Number Kept								
Number discarded dead								
Number discarded alive								

FISHING COSTS	Indicate money spent in XCD for the following that are <u>used</u> for the fishing trip							
	Fuel:	Oil:	Ice:	Food:	Bait:	Gear:	Other (specify):	
	Amount of oil <u>used</u> for the trip: Gallons <input type="checkbox"/> Litres <input type="checkbox"/> (tick one)				Amount of fuel <u>used</u> for the trip: Gallons <input type="checkbox"/> Litres <input type="checkbox"/> (tick one)			

SEA STATE (encircle one): see the Sea State Code Chart in the guidelines.	Calm (glassy)	Calm (rippled)	Smooth (wavelets)	Slight	Moderate	Rough	Very rough	High	Very high
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WATER COLOUR (encircle one): see the Water Colour Description Chart in the guidelines.	Blue	Milky turquoise-purple	Blue-green	Green	Dark green	Light brown	Red/Reddish/Red strikes	Pink	Purple	Seaweed present
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COMMENTS & OBSERVATIONS:

SUBMISSION OF LOGSHEET: Name of fisher (in BLOCK letters).....

Signature of person filling in the log sheet: Date of completion of log sheet (day/month/year):

FOR OFFICIAL USE

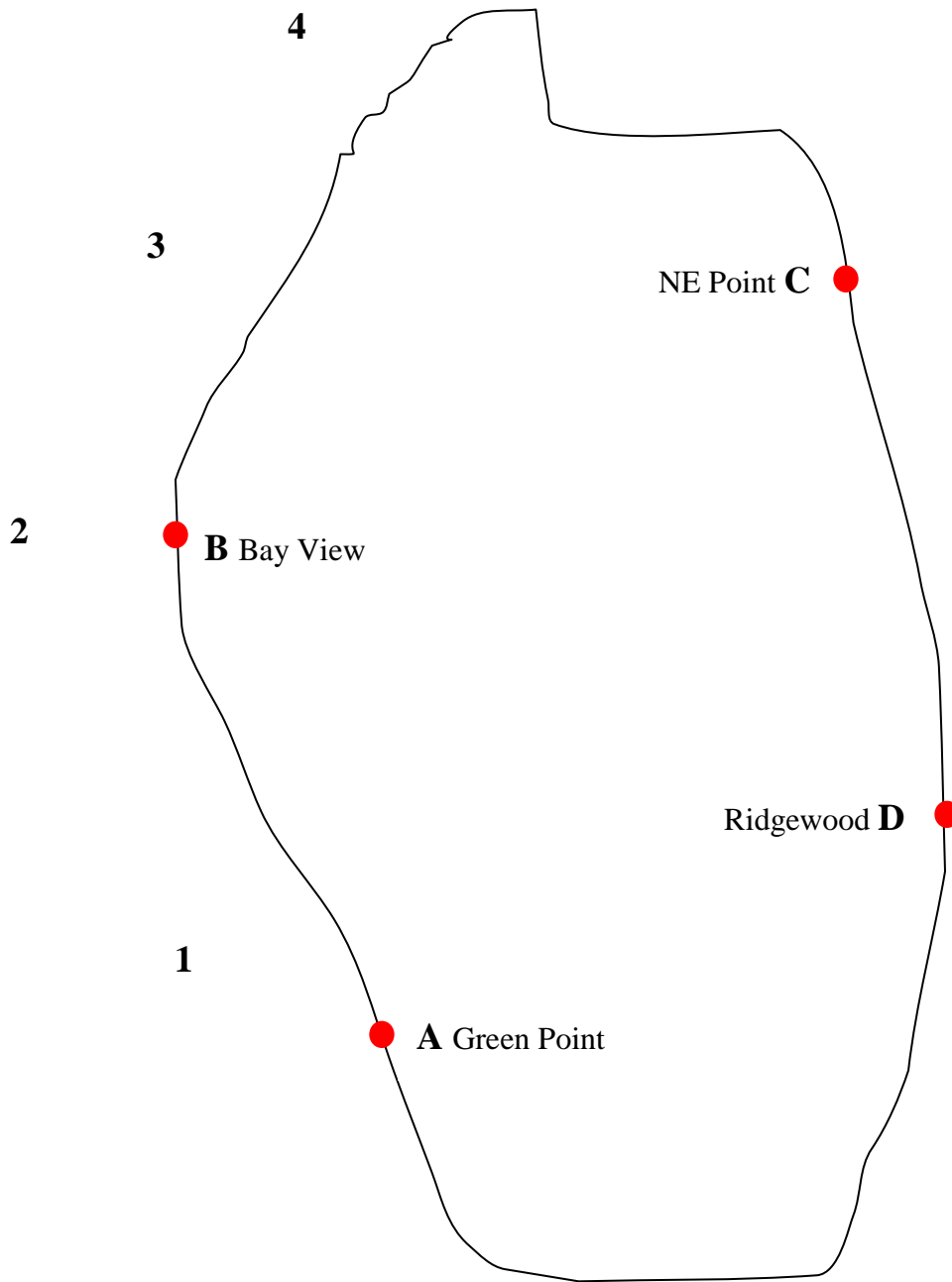
Received by:-	Signature:-	Date (day/month/year):
Verified by:-	Signature:-	Date (day/month/year):
Computerized by:-	Signature:-	Date (day/month/year):

[Insert unique identifier number for logbook here and repeat on each page of the logbook]

Two logsheets have already been included – the Fisheries Department is to insert as many sheets as it see fits – at the minimum, enough sheets should be included to facilitate recording of data for fishing activities over an entire month, for the respective boat.

**MAP SHOWING
DEPARTURE AND
LANDING SITES
AND FAD
LOCATIONS**

Map for identifying FAD sites (numbers) and Departure and Landing sites (letters)



[Map of fishing and FAD locations to be customized by each Fisheries Department and included here]

GUIDELINES FOR COMPLETION OF LOGSHEETS

GUIDELINES FOR COMPLETION OF LOGSHEETS

General Instructions

1. Each sheet of this logbook is carbon copied. Every two weeks please remove all the completed originals and return them to the Fisheries Division. The carbon copy is to be retained by you for your records.
2. The front page of the logbook should be filled out by the boat owner or the Fisheries Division.
3. All pages of this logbook must be used only for the boat with registration number indicated on the front cover. Pages must not be torn out to be used for another boat.
4. One logsheet must be completed for each fishing trip.
5. The logsheet should be filled out within 24 hours of the end of a FAD fishing trip.
6. Unless stated otherwise, all writing on the logsheet must be in capital letters.
7. ALL areas of the logsheet must be completed for EVERY trip.
8. Boat owners must contact the Fisheries Division for a new logbook well in advance of completion of the current one.
9. A completed sample logsheet is provided at the back of this logbook.

Instructions on how to complete each section of the log sheet

1. **Boat name:** insert the name of the boat – the name must be spelt the same as it appears on the boat registration document from the Fisheries Division.
2. **Boat registration number:** insert the number of the boat. The number must be the same as it appears on the boat registration document from the Fisheries Division.
3. **Departure Site (see map to identify site):** To identify the *departure site* please locate on the map provided in the back of this logbook, the letter that best represents the point from which you started your trip. Write this letter in the space provided next to *Departure site*.
4. **Departure Date (day/month/year):** Using the format - day/month/year, write the date you left to go fishing.
5. **Departure time:** Indicate the time you left the departure site for your fishing trip. Please indicate whether the time is “a.m.” (between midnight and midday) or “p.m.” (between midday and midnight).
6. **Landing Site (see map to identify site):** To identify your *Landing site* please locate on the map provided in the back of the logbook, the letter which best represents the site at which you landed your fish after your fishing trip. Write this letter in the space provided next to *Landing site*.

Please note that you may have departed from and returned to the same site. If this is the case it is correct to place the same letter at the spaces provided next to *Departure site* and *Landing site*.

7. **Landing date:** Using the format - day/month/year, write the date you returned from your fishing trip.
8. **Landing time:** Indicate the time you returned to the landing site from your fishing trip. Please indicate whether the time is “a.m.” (between midnight and midday) or “p.m.” (between midday and midnight).

FISHING EFFORT

9. Number of fishers: Write the number of people on board the boat who were involved in catching of fish.

10.

Gear Types: TR: trolling; HL: Handline DL: Dropline; LL: Longline RR: Rod & Reel	See map to identify FAD # or fishing area					
	FAD # or fishing area:		FAD # or fishing area:		FAD # or fishing area:	
Gear used (select from above) :						
Number of lines						
Number of hooks						
Number of hours fished:						
Day (D) or night (N) fishing:	D <input type="checkbox"/>	N <input type="checkbox"/>	D <input type="checkbox"/>	N <input type="checkbox"/>	D <input type="checkbox"/>	N <input type="checkbox"/>
Total number of boats fishing:						
Depth fished: <input type="checkbox"/> feet <input type="checkbox"/> metres (tick one)						

For this section you must complete a full column for each FAD or area where you fished on the particular fishing trip.

11. FAD # or fishing area: Using the map provided at the back of the logbook please identify the first FAD # or area where you fished and write the corresponding number or letters for each FAD or fishing area. The logsheet allows enough space to record details for as many as three (3) FADs or fishing areas used on a single fishing trip.

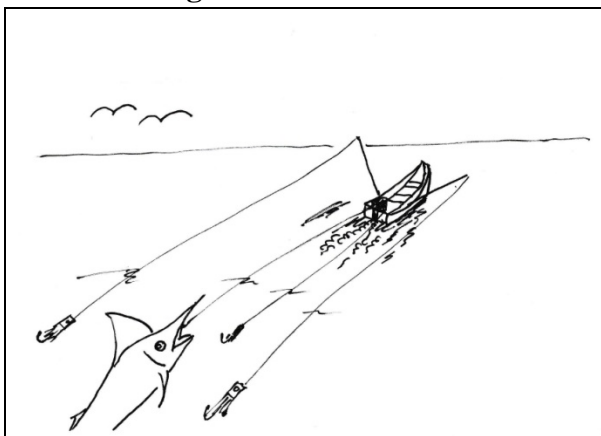
12. Gear used: Indicate the gear(s) used at the first FAD or area where you fished in the cell highlighted yellow. Use the key below to help you identify the gear type. You can include more than one gear type in the same column.

TR = trolling HL = handline DL = Dropline

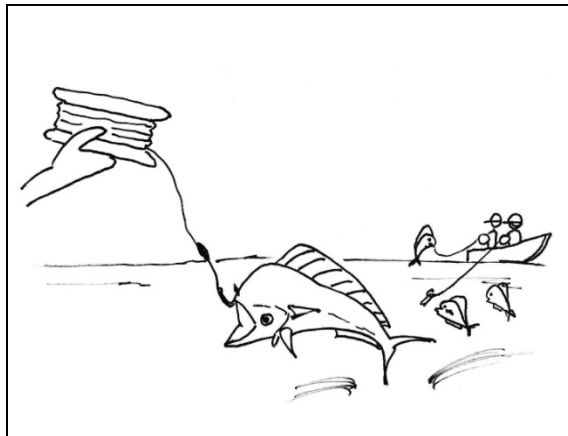
LL = Longline RR = Rod and Reel

The drawings below show the different gear types

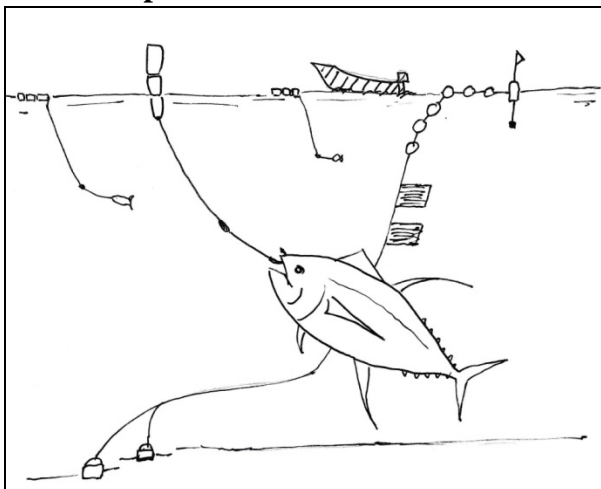
TR = Trolling



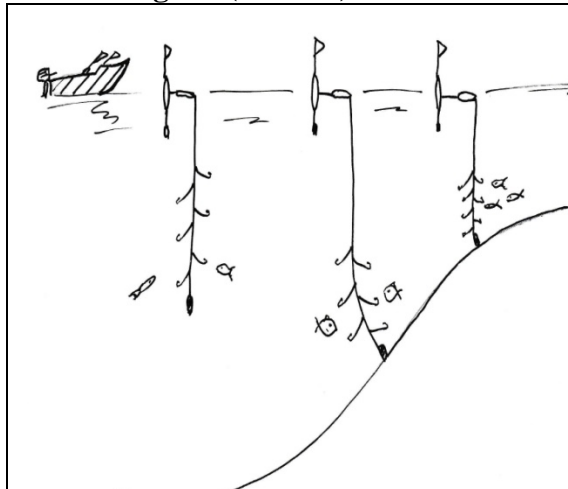
HL = Handline



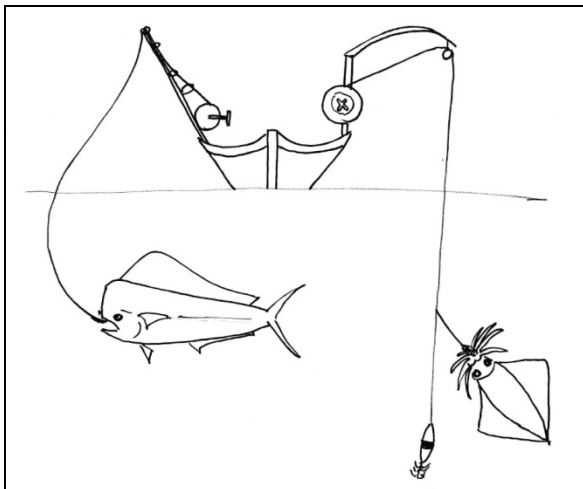
DL = Dropline



LL = Longline (vertical)



RR = Rod and Reel



- 13. Number of lines:** Write the number of lines that were used at the first FAD or area where you fished in the cell highlighted blue: eg. 6, 4, 10 etc. Please ensure that you are using the correct column.
- 14. Number of hooks:** Write the number of hooks related to the different gear you listed directly above in the cell highlighted white. Write the information in the same order in which you listed the gear.
- 15. Number of hours fished:** Write the number of hours spent fishing at the first FAD or fishing area in the cell highlighted pink. Please ensure that you are using the correct column.
- 16. Day or night fishing:** Tick either “D” for day or “N” for night, in the cell highlighted orange to show the time when you fished at the first FAD or fishing area. Night is considered the time after the sun has set and before the sun has risen.
- 17. Total number of boats fishing:** Write the total number of other boats you observed fishing at the first FAD or fishing area at the same time that you were fishing there, in the cell highlighted orange.
- 18. Depth fished:** Tick either the box marked “feet” OR the box marked “metres” to show which of the two you are going to use to indicate the depth at which you fished. Write in the depth of water in which you fished at the first FAD or fishing area in the cell highlighted grey.

Note that if you fished at a **2nd or 3rd FAD on the same fishing trip** you are required to write in the correct information from steps 10 to 17 above in the **2nd and 3rd COLUMNS respectively**.

- 24. Gear Type:** Encircle the type of gear that was used to catch the particular species in the pink cell. The gear types are: TR (trolling); HL (handline); DL (dropline); LL (longline); RR (rod and reel).
- 25. Bait type:** Write in the orange cell the type of bait that was used to catch the species to write in the blue cell. Remember that bait can be either artificial lure or natural species. If you used natural species then write in the name of the species e.g., ballyhoo, skipjack tuna.
- 26. Weight caught:** Write the weight of the fish in the purple cell. Remember that the weight is linked to the unit you ticked under points 19 and 20.
- 27. No. caught:** Write in the number of fish that corresponds to the weight in point 26 in the grey cell.
- 28. Weight sold:** Write in the weight of the particular species of fish that was sold in the green box. If you sold all that you caught then the weight in the green box should be the same as the weight in the purple box. If you sold only part of what you caught then the weight in the green box will be smaller than the weight in the purple box.
- 29. Unit price:** Write in the price at which you sold the fish in the black cell. This price will either be per pound or per kilogram depending on what you ticked under point 19.

Note that for each different species caught at the same FAD you will have to write in the information at points 22 to 29, using a different line for each species. In this case the FAD# will be the same for all the lines of information you write in. If you fish at a second FAD you will have to indicate the 2nd FAD number and write in the information at 22 to 29 using a separate line for each species.

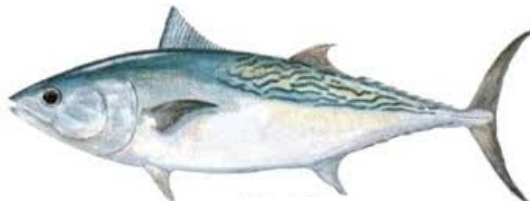
Pictures of Pelagic Fish and Shark Species

The sources of the pictures are provided in the table at the end of the guidelines. Note that the relative sizes of the various species in the pictures are not to scale in real life. If you do not see the species you caught in the pictures ask staff of the Fisheries Department for help to identify the species. **[Note Fisheries Divisions are to insert the appropriate local name for each species]**

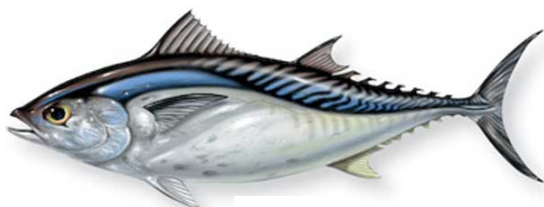
Skipjack tuna - Local name:



Frigate tuna - Local name:



Bullet tuna - Local name:



Little tunny - Local name:



Atlantic bonito - Local name:



Blackfin - Local name:



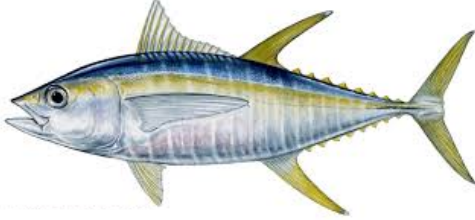
Albacore tuna - Local name:



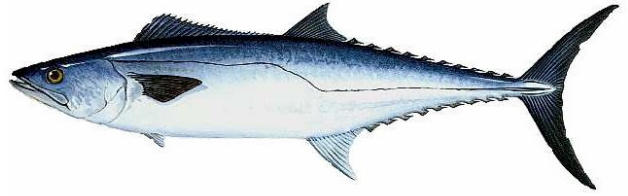
Cero mackerel - Local name:



Yellowfin tuna - Local name:



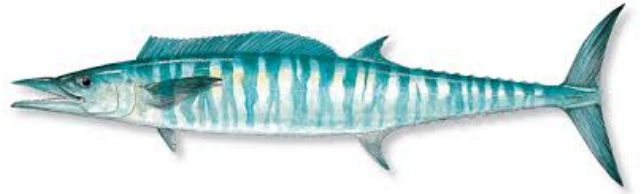
King mackerel - Local name:



Bigeye tuna - Local name:



Wahoo - Local name:



Common dolphinfish - Local name:



Great barracuda - Local name:



Blue marlin - Local name:



White marlin - Local name:



Atlantic sailfish - Local name:



Swordfish - Local name:



Blue shark – Local name:



Oceanic whitetip shark – Local name:



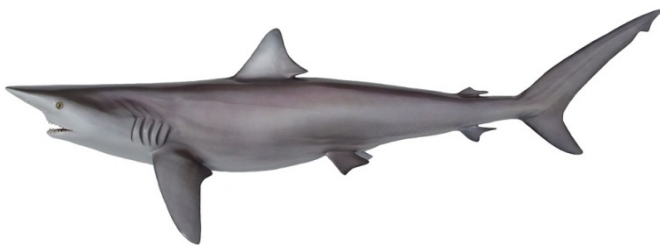
Night shark – Local name:



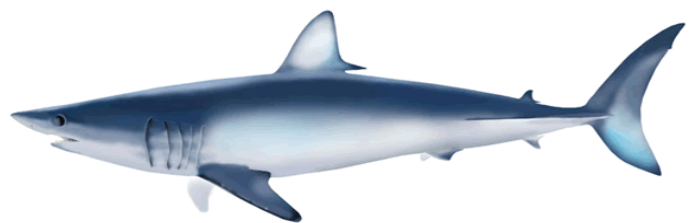
Bigeye thresher shark – Local name:



Silky shark – Local name:



Shortfin mako shark – Local name:



BY-CATCH

The term “by-catch” means those species that you did not set out to catch but you caught anyways. These species may be marine turtles, seabirds, whales, porpoises, manatees or other species. Sometimes the by-catch may be kept for sale or personal use or it may be thrown overboard (discarded), either in a dead state or alive.

BY-CATCH	Turtles	Seabirds	Sharks	Whales	Dolphins	Porpoise	Manatee	Other
Number Kept								
Number discarded dead								
Number discarded alive								

30. Number kept: Write in under each species that apply, the number of animals caught and kept on board.

31. Number discarded dead: Write in under each species that apply, the number of animals discarded dead.

32. Number discarded alive: Write in under each species that apply, the number of animals discarded alive.

FISHING COSTS

Note that all costs are in Eastern Caribbean Dollars

FISHING COSTS	Indicate money spent in XCD for the following that are <u>used</u> for the fishing trip						
	Fuel:	Oil:	Ice:	Food:	Bait:	Gear:	Other (specify):
	Amount of fuel <u>used</u> for the trip: Gallons <input type="checkbox"/> Litres <input type="checkbox"/> (tick one)			Amount of oil <u>used</u> for the trip: Gallons <input type="checkbox"/> Litres <input type="checkbox"/> (tick one)			

- 33. Fuel:** Write in the amount of money spent on fuel that was used for the trip. You may have purchased more fuel than was actually used for the trip, so you will have to estimate the amount used.
- 34. Oil:** Write in the amount of money spent on oil that was used for the trip. You may have purchased more oil than was actually used for the trip, so you will have to estimate the amount used.
- 35. Ice:** Write in the amount of money spent on ice for the fishing trip.
- 36. Food:** Write in the amount of money spent on food for the fishing trip.
- 37. Bait:** Write in the amount of money spent on bait for the fishing trip.
- 38. Gear:** Write in the amount of money spent on fishing gear or equipment for the fishing trip.
- 39. Other:** If there are any other costs related to the fishing trip write in what the cost relates to and the amount spent.
- 40. Amount of oil used for the trip:** Write in the amount of fuel used for the trip and tick whether the amount relates to gallons or litres.
- 41. Amount of fuel used for the trip:** Write in the amount of oil used for the trip and tick whether the amount relates to gallons or litres.

SEA STATE

SEA STATE (encircle one): see the Sea State Code Chart in the guidelines.	Calm (glassy)	Calm (rippled)	Smooth (wavelets)	Slight	Moderate	Rough	Very rough	High	Very high
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- 42. Sea State:** Boxes are provided with different options. After reading the definitions below choose the box that best represents what the sea state looked like during the trip, and encircle that option.

Sea State Code Chart (After the World Meteorological Organization)

WMO Sea State Code	Wave height	Characteristics
0	0 metres (0 ft)	Calm (glassy)
1	0 to 0.1 metres (0.00 to 0.33 ft)	Calm (rippled)
2	0.1 to 0.5 metres (3.9 in to 1 ft 7.7 in)	Smooth (wavelets)
3	0.5 to 1.25 metres (1 ft 8 in to 4 ft 1 in)	Slight
4	1.25 to 2.5 metres (4 ft 1 in to 8 ft 2 in)	Moderate
5	2.5 to 4 metres (8 ft 2 in to 13 ft 1 in)	Rough
6	4 to 6 metres (13 to 20 ft)	Very rough
7	6 to 9 metres (20 to 30 ft)	High
8	9 to 14 metres (30 to 46 ft)	Very high
9	Over 14 metres (46 ft)	Phenomena

WATER COLOUR

WATER COLOUR (encircle one): see the Water Colour Description Chart in the guidelines.	Blue	Milky turquoise-purple	Blue-green	Green	Dark green	Light brown	Red/Reddish/Red strikes	Pink	Purple	Seaweed present
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43. Boxes are provided with different options. After reading the definitions below, choose the box that best represents the water colour during the trip, and encircle that option.

WATER COLOUR DESCRIPTION

Colour of water	Characteristics
blue	Very little – no plankton
milky turquoise-blue	phytoplankton that make microscopic spheres composed of calcium carbonate plates
Blue green	Phytoplanktons are present (not very high concentration)
green	Phytoplanktons are present (medium concentrations)
Dark green	Phytoplanktons are present (high concentrations)
Light brown	silt-laden water
Red/Reddish/Red strikes	Red tide (could be associated with harmful algal blooms).
Pink	could be associated with harmful algal blooms
Purplish	could be associated with harmful algal blooms

44. Indicate whether the invasive seaweed was present where you fished by encircling the pink box that says “Seaweed present”.

COMMENTS & OBSERVATIONS

45. Write in the space provided any additional notes, information or observations during the trip in this section. These comments and observations could relate to those listed below or any additional information provided:
- the possible reasons for poor or no catches on the fishing trip;
 - any loss of fishing gear;
 - any damage observed regarding a FAD;
 - quantity of bait (natural) purchased or used on the fishing trip;
 - details of any vessels fishing illegally.

SUBMISSION OF LOGSHEET

46. **Name of fisher (in BLOCK letters):** Write in the name of the fisher who submitted the information on the logsheet in BLOCK or CAPITAL letters.
47. **Signature of person filling in the logsheet:** The person who filled in the form should sign in this position. Please note that fishers may ask someone to physically write the information, but the fisher must provide the information for the person to complete the form.
48. **Date of completion of logsheet (day/month/year):** Using the format of day/month/year, write the date on which the log sheet was filled in.

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Do not write in this section. This section will be completed by relevant personnel from the Fisheries Division.

Sources of Photographs of Pelagic Fish and Shark Species used in these Guidelines	
Species	Source
Skipjack tuna	http://www.big5fishing.com/fish/skipjack_tuna.html
Frigate tuna	http://www.mexicogamefishid.com/frigate%20tuna.html
Bullet tuna	http://www.mexicogamefishid.com/bullet%20tuna.html
Little tunny	http://www.eurofishmarket-magazine.com/?lng=eng
Atlantic bunito	https://en.wikipedia.org/wiki/Atlantic_bonito#/media/File:Sarda_sarda.jpg
Blackfin tuna	https://en.wikipedia.org/wiki/Blackfin_tuna#/media/File:Blackfin_tuna,_Duane_Raver_Jr.jpg
Albacore tuna	https://en.wikipedia.org/wiki/Albacore#/media/File:Thunnus_alalunga.png
Cero mackerel	http://www.kingfishconnection.com/content/science-behind-species-king-mackerel-337/
Yellowfin tuna	https://www.igfa.org/species/60-tuna-yellowfin.aspx?CommonName=60-tuna-yellowfin.aspx – originally from Diane Rome Peebles (1992)
King mackerel	http://www.fish4fun.com/kingfish1.htm
Bigeye tuna	https://en.wikipedia.org/wiki/Bigeye_tuna#/media/File:Thunnus_obesus.png
Wahoo	http://www.floridasportsman.com/sportfish/wahoo/
Common dolphin fish	http://www.sodahead.com/living/have-you-ever-tasted-dolphin-meat/question-4737590/
Great barracuda	http://www.billfishtacklesupply.com/gamefish/barracuda.htm
Blue marlin	https://www.igfa.org/species/63-marlin-blue-pacific.aspx?CommonName=63-marlin-blue-pacific.aspx
White marlin	https://www.igfa.org/species/64-marlin-white.aspx?CommonName=64-marlin-white.aspx
Atlantic sailfish	https://www.rodreel.com/gulffish/gulffish.asp?cmd=print&fishid=56
Swordfish	http://www.fishwallpapers.com/swordfish/
Blue shark	http://www.spc.int/Oceanfish/en/ofpsection/sam/264-new-research-plan-provides-a-blueprint-for-addressing-shark-issues-in-the-western-and-central-pacific
Oceanic whitetip shark	http://imagestack.co/138389695-oceanic-whitetip-shark-carcharhinus-longimanus.html (Photo credit / source: www.cites.org)
Night shark	http://www.biodiversityexplorer.org/chondrichthyes/elasmobranchii/galeomorphii/carcharhinus_signatus.htm
Bigeye thresher shark	http://www.floridagamefishing.net/thresher-shark.html
Silky shark	http://www.globalfishmounts.com/silky-shark-fishmount-p/ssk.htm
Shortfin mako shark	http://www.spc.int/Oceanfish/en/ofpsection/sam/264-new-research-plan-provides-a-blueprint-for-addressing-shark-issues-in-the-western-and-central-pacific

**COMPLETED
SAMPLE
LOGSHEET**

VESSEL (BOAT) DETAILS

Name of Boat: JONAH

Registration Number of Boat: SV65

Name of Boat Owner: SAMUEL JOHN

Address of Boat Owner: TOP HILL, ST VINCENT

Contact Number of Boat Owner: 453 6524

Site from which boat operates: BOTTOM TOWN BEACH

Please detach and return the completed original logheets of this logbook to the Fisheries Division every two weeks. The carbon copy sheets are to be retained by the fisher for his/her personal use.

**If found please return booklet to the Fisheries Division
Kingstown P.O.
St. Vincent and the Grenadines
Tel: 784 456 2738**

FAD Fishing Trip Logsheet [insert unique identifier number of logbook here and repeat on each page of the logbook] [insert logsheet #]

Boat Name: JONAH		Boat registration number: SV65							
Departure site (see map to identify site): A		Departure date (day/month/year): 02/04/15	Departure time: 5:30 a.m.						
Landing site (see map to identify site): B		Landing date (day/month/year): 02/04/15	Landing time: 2:30 p.m.						
FISHING EFFORT		Number of Fishers: 2							
Gear Types: TR: trolling; HL: Handline DL: Dropline; LL: Longline RR: Rod & Reel		See map to identify FAD # or fishing area							
		FAD # or fishing area: 1	FAD # or fishing area: 2						
Gear used (select from above) :		HL; LL	HL; LL						
Number of lines		2; 3	1; 3						
Number of hooks		2; 150	1; 150						
Number of hours fished:		2	4						
Day (D) or night (N) fishing:		D <input checked="" type="checkbox"/> N <input type="checkbox"/>	D <input checked="" type="checkbox"/> N <input type="checkbox"/>						
Total number of boats fishing:		3	4						
Depth fished: <input type="checkbox"/> feet <input type="checkbox"/> metres (tick one)		20	150						
CATCH		Levels of processing – Gutted (GU); Gilled (GI); Headed (H); Finned (F); Whole (W) Bait Type: Artificial Lure OR Natural Species – list species (list below) Weights in <input checked="" type="checkbox"/> lbs <input type="checkbox"/> kg (tick one) - Weights are <input checked="" type="checkbox"/> estimated <input type="checkbox"/> measured on a scale (tick one)							
FAD#/ fishing area	Species	Level of Processing (encircle which applies)	Gear Type (encircle which applies)	Bait Type	Weight Caught	No. Caught	Weight Sold	Unit Price	
1	Dolphinfish	GU GI H F W	TR HL DL LL RR	Lure	14	1	14	9.00	
1	Dolphinfish	GU GI H F W	TR HL DL LL RR	Ballyhoo	150	14	150	9.00	
1	Blackfin tuna	GU GI H F W	TR HL DL LL RR	Ballyhoo	30	6	30	8.00	
1	Blackfin tuna	GU GI H F W	TR HL DL LL RR	Ballyhoo	50	10	50	8.00	
2	Dolphinfish	GU GI H F W	TR HL DL LL RR	Lure	28	2	28	9.00	
2	Dolphinfish	GU GI H F W	TR HL DL LL RR	Ballyhoo	200	18	200	9.00	
2	Blackfin tuna	GU GI H F W	TR HL DL LL RR	Ballyhoo	15	2	15	8.00	
2	Blackfin tuna	GU GI H F W	TR HL DL LL RR	Ballyhoo	25	3	25	8.00	
2	Skipjack tuna	GU GI H F W	TR HL DL LL RR	Ballyhoo	20	6	20	7.00	
2	Skipjack tuna	GU GI H F W	TR HL DL LL RR	Ballyhoo	25	8	25	7.00	
		GU GI H F W	TR HL DL LL RR						
		GU GI H F W	TR HL DL LL RR						
BY-CATCH		Turtles	Seabirds	Sharks	Whales	Dolphins	Porpoise	Manatee	Other
Number Kept									
Number discarded dead									
Number discarded alive		1	2						

FISHING COSTS	Indicate money spent in XCD for the following that are <u>used</u> for the fishing trip					
	Fuel: \$400	Oil: \$40	Ice: \$20	Food: \$45.50	Bait: \$20	Gear: 0
Amount of fuel <u>used</u> for the trip: Gallons <input type="checkbox"/> Litres <input type="checkbox"/> (tick one)			Amount of oil <u>used</u> for the trip: Gallons <input type="checkbox"/> Litres <input type="checkbox"/> (tick one)			

SEA STATE (encircle one): see the Sea State Code Chart in the guidelines.	Calm (glassy)	Calm (rippled)	Smooth (wavelets)	Slight	Moderate	Rough	Very rough	High	Very high
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WATER COLOUR (encircle one): see the Water Colour Description Chart in the guidelines.	Blue	Milky turquoise-purple	Blue-green	Green	Dark green	Light brown	Red/Reddish/Red strikes	Pink	Purple	Seaweed present
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COMMENTS & OBSERVATIONS: **2 lures lost, 10 lbs of ballyhoo used on trip; vessel with marking XPC24 fishing illegally**

SUBMISSION OF LOGSHEET: Name of fisher (in BLOCK letters)..... **JOHN DOE**

Signature of person filling in the log sheet: *John Doe* Date of completion of log sheet (day/month/year): **12/04/15**

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Received by:-	Signature:-	Date (day/month/year):
Verified by:-	Signature:-	Date (day/month/year):
Computerized by:-	Signature:-	Date (day/month/year):

The CRFM is an inter-governmental organization whose mission is to “Promote and facilitate the responsible utilization of the region’s fisheries and other aquatic resources for the economic and social benefits of the current and future population of the region”. The CRFM consists of three bodies – the Ministerial Council, the Caribbean Fisheries Forum and the CRFM Secretariat. CRFM members are Anguilla, Antigua and Barbuda, The Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Haiti, Jamaica, Montserrat, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago and the Turks and Caicos Islands.

This model logbook was developed through a joint collaboration between the CRFM and the JICA-funded Caribbean Fisheries Co-Management (CARIFICO) Project in which the following six CRFM Member States are participating, Antigua and Barbuda, Dominica, Grenada, St Kitts and Nevis, St Vincent and the Grenadines and Saint Lucia. The main purpose of the logbook is to involve fishers in the collection of data which will provide a wide range of information to help make the best possible decisions concerning the management of FAD fisheries. In addition, the logbook will enable fishers to keep records of their fishing operations to facilitate better fishing trip planning and business planning.

CRFM

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