

Observer data fields gap analysis

SIOFA Secretariat

1. INTRODUCTION

CMM 2021/02 on data standards require CCPs to provide annually the Secretariat with observer data for previous year trips (ref paragraph 15).

Annex B of CMM 02 lists all the required items to be provided under this requirement. Some items are common to all fisheries and other items are gear dependant.

The information in this paper summarizes the provision rate of the items according to the fleet.

2. MATERIAL AND METHOD

SIOFA observer database has been used to query this information. Only operations started after the date when observer data became mandatory to provide have been considered (fishing operations since 07 October 2018).

Blank data per operation (gaps) has been counted to assess the completeness of the item provision. The percentage of non-provision has been calculated and is presented in the tables below.

Line gears and trawl gears have been separated (in section 3.2 and 3.3 respectively).

3. RESULTS

3.1. General information

Number of observer trips	42
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	Nb	% Trips
Trips without benthos information	13	30.95%
Trips without incidental bycatch information	21	50%
Trips without biological sampling information	4	9.52%
Trips without birds' abundance	27	64.29%

3.2. Line gears specific information

	Demersal longline	Vertical line	Handline	Dropline
NB trip x gear	9	2	13	1
NB operations	944	21	237	46

Operation details

item	% Missing			
	Demersal longline	Vertical line	Handline	Dropline
setting start time	0%	0%	0%	0%
setting start depth	2%	43%	0%	100%
setting end time	0%	0%	0%	0%
setting end depth	8%		0%	100%
setting speed	19%	n/a	n/a	n/a
line length	0%		100%	0%
nb hooks	0%	57%	0%	0%
bait species		0%	0%	0%
% hooks baited	19%	100%	43%	100%
decklight used info	26%	57%	43%	0%
use of streamer line	0%	57%	43%	0%
offal dumping during setting info	53%	0%	43%	100%
hauling start time	1%	0%	43%	0%
hauling end time	81%	100%	0%	0%

item	% Missing			
	Demersal longline	Vertical line	Handline	Dropline
hooks observed for bycatch	20%	100%	43%	100%
lost sections number	52%	100%	100%	100%
lost sections hooks number	87%	100%	100%	100%
other hooks lost	46%	100%	100%	100%
offal dumping during hauling	39%	100%	43%	100%

Gear specifications details

item	% Missing			
	Demersal longline	Vertical line	Handline	Dropline
Gear usage dates	56%	57%	100%	0%
Mainline Material	54%	57%	43%	0%
Mainline Diameter	54%	57%	100%	0%
Mainline Integrated Weight	66%	57%	100%	100%
Branchline Material	62%			
Branchline Diameter	89%			
Branchline Length	100%			
Branchline Integrated Weight	98%			
Branchline Spacing	100%			
Hook Type	54%	100%	43%	100%
Hook Make	54%	100%	43%	100%
Hook Size		0%	43%	100%
Hook Total Length	56%	57%	43%	100%
Hook Shank	62%	100%	43%	100%
Hook Gape	56%	100%	43%	100%
Hook Throat	62%	100%	43%	100%
Hook Front Length	62%	100%	43%	100%
Hook usual setting position	62%	100%	43%	100%
Hook off bottom	62%	100%	100%	0%
Hook baiting method	62%	100%	43%	100%

3.3. Trawl gears specific information

Total number of observer trips x gear type	33
Trawl (nei) trips	8
Midwater trawl trips	11
Bottom trawl trips	5
Otter trawl trips	9
number of operations (shots or tows)	3718

Operation details

item	% Missing
Fishing Start Time	0.65%
Fishing Start Latitude	0.62%
Fishing Start Longitude	0.54%
Fishing Start Depth	2.85%
Start Bottom Depth	79.32%
Fishing End Time	0.83%
Fishing End Latitude	8.02%
Fishing End Longitude	8.02%
Fishing End Depth	30.90%
End Bottom Depth	52.21%
Offal Discharged During Shooting	72.86%
Offal Discharged During Hauling	72.86%
Trawl Speed	68.56%
Tori Line Used	12.53%
Bird Baffles Used	12.53%
WarpStrikes Monitored	16.86%
ByCatch Mitigation Measures	100.00%
HeadLine Temperature	87.71%
Strikes Observation Starttime	100.00%
Strikes Observation Endtime	100.00%
Air Strikes Number	89.21%
Water Strikes Number	89.21%
Sinker Strikes Number	89.21%

Gear specifications details

item	% Missing
Headrope Length	57.75%
Groundrope Length	57.75%
Bobbin Diameter	63.31%

item	% Missing
Otterboard To Wing Length	57.75%
Horizontal Opening	57.75%
Vertical Opening	57.75%
Wing Mesh Size	91.80%
Codend Mesh Size	65.95%
Codend Circumference	57.75%
Mesh Type	57.75%
Net Design	74.56%
Net Material	100.00%
Otterboard Type	57.75%
Otterboard Weight	57.75%

4. Conclusion

The provision of fishing operation information is overall good whereas the provision of gear specifications is generally poor.

Several trips did not provide with bycatch or seabirds information, it is often because no such bycatches occurred during these trips, but a 0 observation was not recorded for the operations. All data collection scheme should have provision to differentiate monitoring 0 observation and not monitoring.