

E-training tool descriptor

Supra-category: IOTC ROS Scientific Field Observer Training (IOTC ROS SFO)

Category: Sampling strategies as a function of the IOTC fishery (IOTC ROS TR16)

Assessment

Question 1

Organize the sentences provided below to correctly illustrate the work protocol to follow.

When the pocket of the net is emptied into the sea, the Observer is to proceed as follows:

1. Observe the pursing and hauling of the net from the upper deck;
2. Check quantity (in tons) and the specific composition of the catch discarded when of the inverting of the net with the captain, the 1st Officer, the Chief Engineer or the Factory Manager
3. Place yourself behind the console from where the 1st officer and the bosun usually manoeuvre the net, in order to ask their estimation of the catch released and to better observe the species contained in the pocket and the species released (their sizes, their fate - released dead or alive, or even take a picture to clarify the specific composition later);
4. If in the presence of a marine mammal or a whale shark, try to identify it (take a photo), to assess or estimate its size and determine the sex if possible.

Question 2

Organize the sentences provided below to correctly illustrate the work protocol to follow.

When the catch is brailed and passed directly to the wells without being sorted, the Observer is to proceed as follows:

1. Observe the pursing and hauling of the net from the bridge.
2. Observe the making of the pocket from the console. Check if there are any large size bycatch swimming in the net. Ask the 1st Officer his estimation of the catch.
3. Move to the lower deck and collect a sample of fish via "Spill method", directly from the catch that goes to the wells, to estimate catch composition. Set it aside.
4. Return to the main deck, place yourself behind the purse-seine winches, count the number of brailers and estimate their fullness, sample all large size bycatch landed as required.
5. When brailing ends, move to the lower deck and sample any bycatch set aside by the crew and process the sample you've collected previously.

Question 3

Organize the sentences provided below to correctly illustrate the work protocol to follow.

When the catch is brailed and substantial sorting is performed immediately before placing the target catch in the wells allowing for the separation of target species from bycatch species, the Observer is to proceed as follows:

1. Observe the pursing and hauling of the net from the bridge.
2. Observe the making of the pocket from the console. Check if there are any large size bycatch swimming in the net. Ask the 1st Officer his estimation of the catch. Observe the 1st brail.
3. Request Officer on the console to keep track of all large bycatch species that aren't brought onboard or released 'alive' (number, fate, condition at capture and release, gear interaction, and handling method).
4. Request the crew to place all dead large bycatch aside on the main deck for latter sampling (this needs to be organised before-hand with the Bosun).

5. Move to the lower deck, collect a sample for the estimation of catch composition, identify, count and sample tuna rejections and bycatch.
6. Return to the main deck, observe brailing final moments and estimate discard volume, if the net is inverted.
7. Return to lower deck and complete sampling while the crew is tiding up.

Question 4

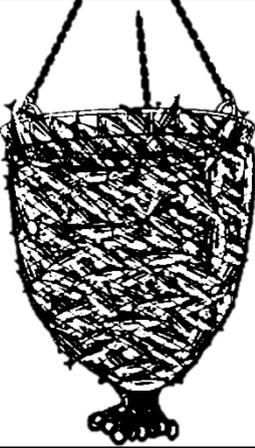
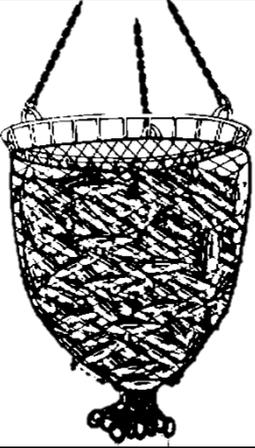
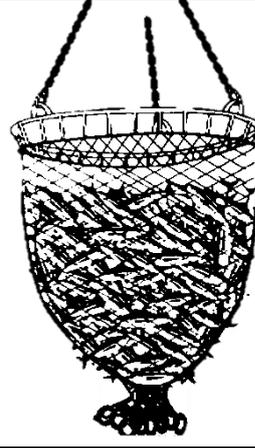
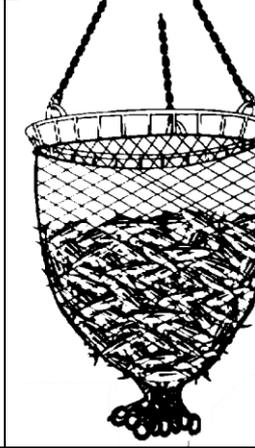
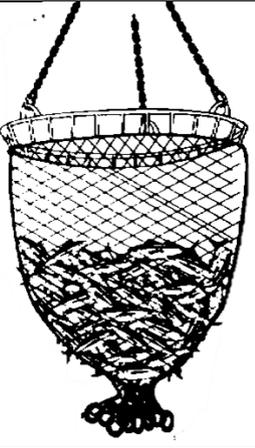
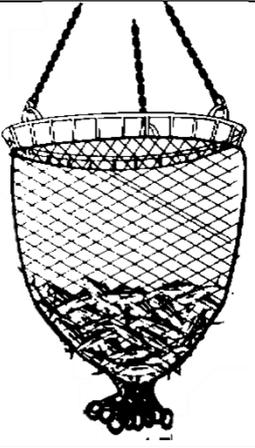
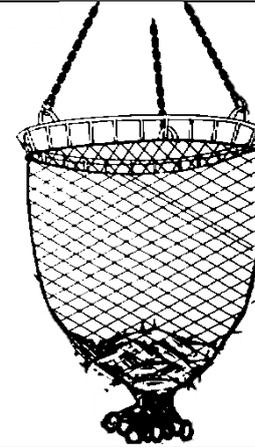
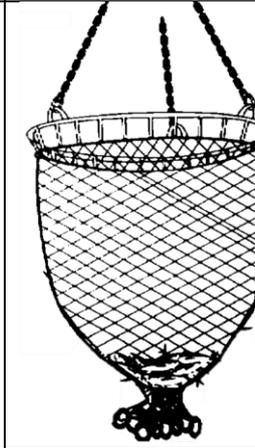
Organize the sentences provided below to correctly illustrate the work protocol to follow.

On vessels that shift regularly the catch from brine wells to dry wells and sort the catch during the shifting process, the Observer is to proceed as follows:

1. Be present during the "SHIFTING" OPERATION, which can take place during the day or the evening.
2. Ask the Chief Engineer or Factory Manager for an indication of the sets stored on the wells to be shifted.
3. For each well that is open for shifting record associated fishing set number(s) and sample discards.

Question 5

Make correspond the letter on the right column representing each brail image to the brail fullness on the left column

			
A - Full brail	B - 7/8 full	C - 3/4 full	D - 2/3 full
			
E - 1/2 full brail	F - 1/3 full	G - 1/4 full	H - 1/8 full

Question 6