

E-training tool exercises

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

Category: Assignment Pole & Line Sampling Strategies (IOTC ROS SFO TR16.4)

Sub-Group Exercises (max 3 per group) To be completed after the presentations

Exercise 1

You are monitoring an event on a pole and line vessel with 15 crew poling fish.

You have a clear view of all the crew and the deck where the fish land.

Following an exhaustive sampling strategy, you are able to count all the fish caught and record the number per species. complete the fields in the recording form below.



- The time the sprayers are turned on is 10:00 Sprayers stopped 13:00
- 15 poling crew
- Total catch recorded

Species	YFT	SKJ	KAW	DOL
Number	20	37	145	12
Average estimated weight per fish (kg)	10	5	3	7

Exercise

Calculate:

1. Total number of fish caught
2. Total weight of fish caught
3. Total weight per species
4. Average weight of fish caught per crew

Bait fishing

The vessel is transferring bait caught in a small purse seine-net into the live-fish tanks, using a small “scoop” net.

You sample randomly three scoops and record:

Weight of each scoop

- 12 kg
- 13 kg
- 12 kg

You record a total of **40 scoops** to empty the net.

You take a sub-sample of approximately 2 kg and separate into different species and weigh each recording weight in grams.

- Silver sprat 1200 g
- Blue sprat 500 g
- Anchovy 200 g
- Other mixed 100 g
 - Fusiliers
 - Chromis
 - Cardinalfishes

Exercise

1. Calculate the total weigh of bait transferred to the live-fish tanks
2. Calculate the weight per species for the three main species caught.

