

What is the Observer Logbook & How do I get through the first days on board?



Objectives

- List 4 standard forms that are part of your Observer Logbook
- Describe 3 additional sections that should be completed for each trip
- Demonstrate your ability to describe an event
- List 3 things you should do before the vessel leaves the dock
- List 2 things you should do within the 1st day or two on board

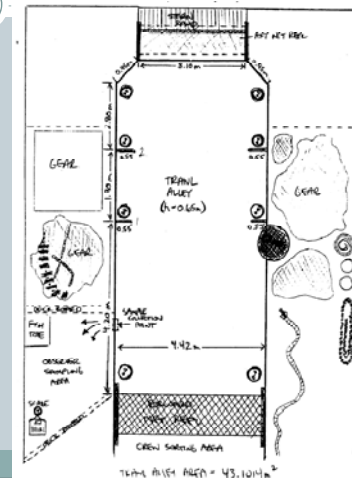


Observer Logbook - Components

- 4 standard forms
 - Safety checklist – complete before trip – Chapter 16
 - Trip Summary – Chapter 4
 - Vessel Information - Chapter 4
 - Compliance Checklist – complete after trip – Chapter 13
- Vessel Diagram
- Sampling Description
- Random Sample Table
- Calculations
- Daily Notes
- Photo log

Observer Logbook – Vessel Diagram

- Where you sample
- Flow of fish
- Indicate vessel orientation
- Label dimensions



Observer Logbook – Sampling Description

- Document how you sampled
- Record initial sampling plans in Daily Notes
- For each vessel you must describe:
 - flow of fish, detailing any biasing factors
 - the population from which you are sampling
 - the sample frame and the methods used to create the frame
 - the sample design (how samples are selected)
- Discussed in more detail during Random Sampling talk on day 3

Observer Logbook – Random Sample Table

- RST – prescribes which haul to sample
- 2 Tables – designed for different hauls per day
- Discussed in more detail during Random Sampling talk on day 3

Random Sample Table #1							
Date	Haul #	Samp?	Notes	Date	Haul #	Samp?	Notes
		Y				Y	
		Y				Y	
		Y				Y	
		N				N	
		Y				Y	
		Y				Y	
		N				Y	
		Y				N	
		Y				Y	
		N				Y	
		Y				Y	
		N				Y	
		Y				N	
		N				Y	
		Y				Y	
		N				Y	
		Y				Y	
		N				N	
		Y				Y	
		N				N	
		Y				Y	
		N				N	
		Y				Y	

Observer Logbook – Calculations

- All total catch calculations
- Average weights
- Pencil
- Rounding
 - Full field
 - “Normal” rounding rules apply (≥ 5 round up, < 5 round down)

Haul #: 25	Total Weight Calculation - Bin
Total catch WT: 9.42 MT	$V = \frac{1}{6} (L \times W \times H) + \frac{1}{2} (L \times W \times H)$
Density Calculation	$V = \frac{1}{6} (0.7 \times 2.5 \times 0.9) + \frac{1}{2} (1.7 \times 2.5 \times 0.8)$
Boxed volume = 0.023125	$V = 0.325 + 1.7 = 2.025 \text{ m}^3$
Boxed WTs: 21.7, 23.0, 21.2, 22.5, 22.0, 21.8, 21.2, 22.8	Total WT = $\frac{\text{Total WT}}{\text{Volume}} = \frac{9.42 \text{ MT}}{2.025 \text{ m}^3} = 4.65 \text{ MT/m}^3$
Density = 0.023125 / 0.0049	
= 4.718571	
= 0.9395076 MT/m ³	

Observer Logbook – Daily Notes

- Make an entry for each day in INK
- Record day to day events (esp. relating to sampling)
- Record:
 - Sampling issues & changes to methods
 - Illnesses
 - Suspected or potential violations & actions taken
- Date & time of entry
- Documentation can make your life easier

Observer Logbook – Photo log

- Disposable cameras
 - Priority photos of turtles & mammals
 - Other unidentified items
- Other camera – digital, mobile phone?
 - Other unidentified items
 - List of photo tips in the logbook
 - Identify what's in the photo & insert scale
- Log – date, haul#, camera or roll #, image # & description

Date (dd/mm/yy)	Haul #	Camera # or roll #	Image #	Brief description
<i>Example</i>				
07/11/09	7	1	3-4	ID photo of Hawksbill sea turtle – 2 views
07/11/09	7	1	5-6	Hawksbill sea turtle – gear remaining upon release
20/11/09	25	1	7	Small cetacean, unidentified

First Day

- Provide introduction to captain
- Arrange time for vessel tour
- Safety Checklist
- Unpack
- Start thinking about sampling location

First Day or 2

- Vessel Information
- Watch the first 1-2 tows
 - flow of fish
 - sorting, discard
 - Species ID forms
- Make a sampling plan
- Try your plan & modify
- Sampling gets easier with practice!

Summary

- What are the 4 standard forms in the Observer Logbook?
- List 3 additional sections in the logbook
- What are 3 things you should do before the vessel leaves the dock?
- What are the additional tasks you should be working on within the 1st day or two on board?