



Boat Handling Course

Introduction / Theory

1. Detail of the boat / engine and uses.
2. Boat terminology – e.g. keel, bow, transom etc. See diagram on page 5.
3. Safety procedures – buoyancy aids, engine kill-system, fuel mixes and engine operation, ropes / rope work, storage areas.
4. Skippers responsibilities to the Dive Marshal, crew, passengers and other water users.
5. Fuel / minor engine parts – boat safety check e.g. tell-tale.
6. Water rules – power gives way to sail

Practical

1. Check inflation: If deflated, attach the inflation hose to a cylinder and inflate.
2. Check fuel level.
3. Launching
 - a. Buoyancy aids.
 - b. Safety procedures.
 - c. Trailer – description / handling. Make sure boat is attached to trailer, tie up correctly if not.
 - d. Winch operation.

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- e. Safety procedures at engine start for both crew and other water users. Boat boarding techniques for all boat users.
 - f. Launching procedure - Ensure centre of keel is submerged.
4. Engine start up: Open vent on fuel tank, ensure engine fuel line is attached and prime. Ensure engine is in neutral, start engine – use choke if necessary.
 5. Ensure tell tail is operating correctly.
 6. Boat helmsman positions and boat trimming.
 7. Bringing the boat alongside and mooring procedures.
 8. Lesson brief – Boat manoeuvring characteristics, impact of weather conditions and safety aspects.
 9. Moving off the mooring and re-cap of general handling characteristics whilst underway.
 10. What to be aware of when under power i.e. buoy cables / debris etc.
 11. Boat safety recap around other water user's crew / passenger seating arrangements and objects in the water.

Boat Handling Skills

12. Manoeuvring.
 - a. Approach and touch a buoy into the wind then back off using wind.
 - b. Slow speed, approx. 1/3 engine power forwards holding the bow dead ahead using slalom course.
 - c. Figure 8 movements around fixed objects -
 - d. Bringing the boat to a stop.

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- e. Manoeuvring the boat astern under power in figure 8 movement.
 - f. Using fixed object – buoys simulating persons in the water.
 - g. Boat control – dangers of engines and keels!
 - h. Picking up crew and mooring.
 - i. Manoeuvring in a confined area.
 - j. High speed handling. “On the plane” description of why, and the boats handling characteristics / efficiency and trim.
 - k. High speed “emergency stop”. Again, advising the reasons and necessity to carry out the manoeuvre successfully and safely for boat crew, passengers and other water users.
13. Review of all skills – Particular attention to low speed “boat control” and handling around objects considering surface conditions.
14. Man, over board procedure – drill and practice
15. Diver Drop off and retrieval. Skipper’s responsibilities, communication between skipper, crew, divers, and dive marshal.
16. Dropping divers off – paying attention to earlier safety techniques and ensuring divers are fully aware of “who is in charge” and at what point the responsibility is handed over to the Dive leader.
17. Ensure all manoeuvring is astern / downwind, moving away from divers in the water and taking into consideration wind conditions at all times. Divers must be dropped upwind ensuring engine is always furthest away from divers.
18. Anchor use: Deployment / Retrieval

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Diver Recovery

19. Retrieval of divers from the water - safety procedures, technique and skippers' responsibilities to crew and diver safety.
20. Ensure divers are approached upwind, skipper indicating clearly to divers which side of the boat – the lee-ward side, away from moving parts and which recovery techniques are required. Engine must always remain in neutral during this procedure.
21. Sailing under a full load with crew and passengers, kit stowage and crew safety.
22. Mooring the boat and safety procedures for disembarkation of crew, passengers and kit.
23. Boat retrieval and storage.

Once the instructor is confident of the students ability to handle the boat to the above standard, the training officer will be notified and together with the diving officer shall be responsible for keeping records of the club members who after approximately 1 hours boat handling experience - following the tuition period under the guidance of an experienced coxswain will be deemed competent to use the club rib at the reservoir only.

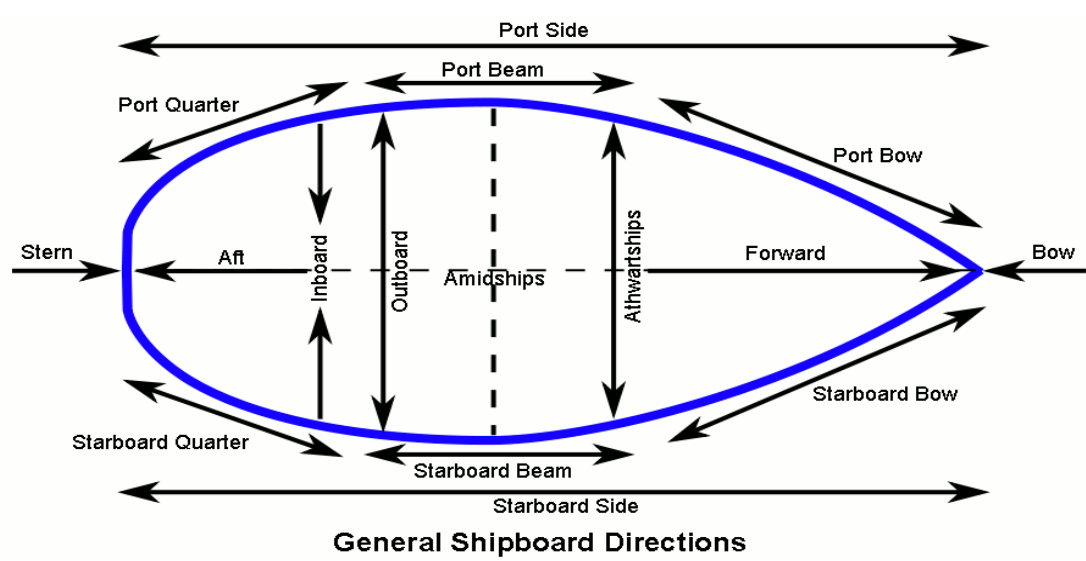
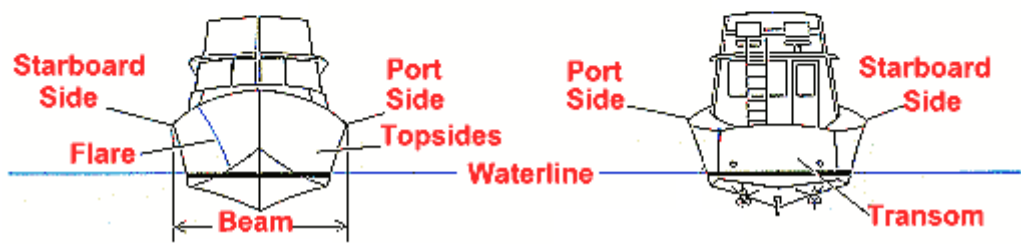
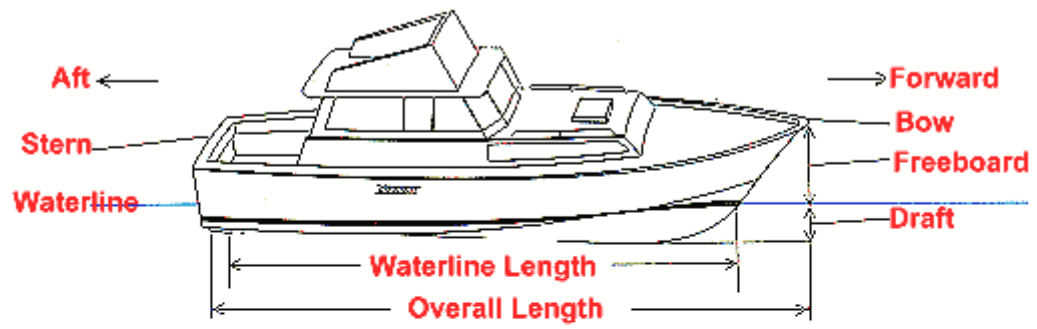
Instructor Name: ***Sign:*** ***Date:***

Student Name: ***Sign:*** ***Date:***

Diving Officer Name: ***Sign:*** ***Date:***

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General Shipboard Directions

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