



Maritime Safety Guide



Recreational Boating

Acknowledgements

Disclaimer

The aim of this booklet is to ensure that recreational boating is both safe and enjoyable. The marine regulations are correct at the time of printing.

Thank you to the following Northern Territory Government Departments for their input, review, feedback and general assistance with developing this resource:

Department of Infrastructure, Planning and Logistics – Marine Safety NT
Police, Fire and Emergency Services – Water Police
Department of Primary Industries and Resources – Marine Ranger Division
Department of Primary Industries and Resources – Fisheries Division

Thank you to the Australian Maritime Safety Authority for their assistance and approval.

Thank you to the Australian Maritime and Fisheries Academy in South Australia for their feedback in the development of this resource.

Thank you to Crocodile Island Rangers and Milingimbi School students for assistance in the development of the cover page.

Produced by the Northern Territory Department of Education 2017
A resource for the Employment Pathways program

© 2017 Northern Territory Government – Department of Education

Contents

Safety Equipment	4
On the Water	8
Anchors	10
Navigation Lights	11
Rules of the Water	12
Lateral Marks	14
Fire on a boat	15
Fire Extinguisher	16
Fuel up a portable tank	17
What to do in an emergency	18
How to set off an EPIRB	19
Weather and tides	21
Rubbish	22
Trip Planner	23
Safety Equipment Checklist	24
Safety Checklist - Have you checked?	25
Looking after an outboard motor	26

Safety Equipment

Collar



OR



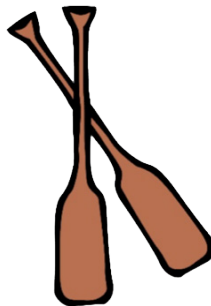
100 lv

PFD - Personal Flotation Device

Wear in rough seas or if you can't swim

1 for each person in the boat

Oar



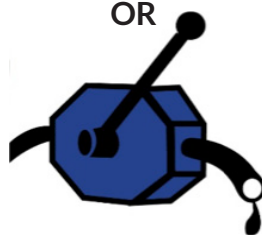
Paddle or Oars

To row with if your motor breaks down/ fuel issues/ propellor damage

Bucket



OR



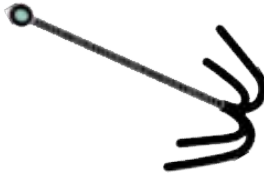
Bilge

Bucket or Bilge pump

To bail out water from the boat

1 in each boat

Reef

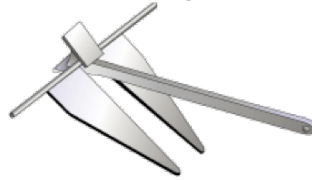


Anchor

A reef anchor is used for coral or rocky area

Sand

OR



A sand anchor is used for sand and mud

1 in the boat

Fresh water container



Drinking Water

Enough fresh water for 2 litres for each person

Torch

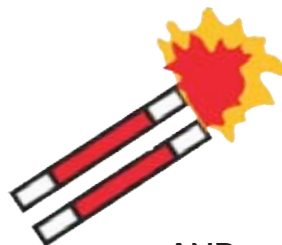


Torch

Must be waterproof

1 in the boat

2 Red Flares

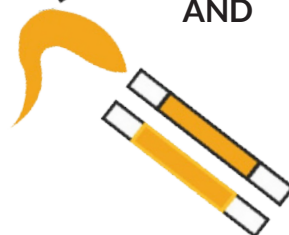


Flares

Use a red flare at night

2 Orange Flares

AND



Use an orange flare in daytime

V Sheet



V Sheet

Hold up when another boat is close to you

This means you need help

Compass and Chart required



AND

Compass and Chart

Use to find your way on the water safely



OR

Working GPS



GPS

A electronic device to find your way on the water safely

Red Fire Extinguisher



Portable Fire Extinguisher

To put out flames

1 in the boat

EPIRB
Registered with AMSA



EPIRB

Only use in an emergency

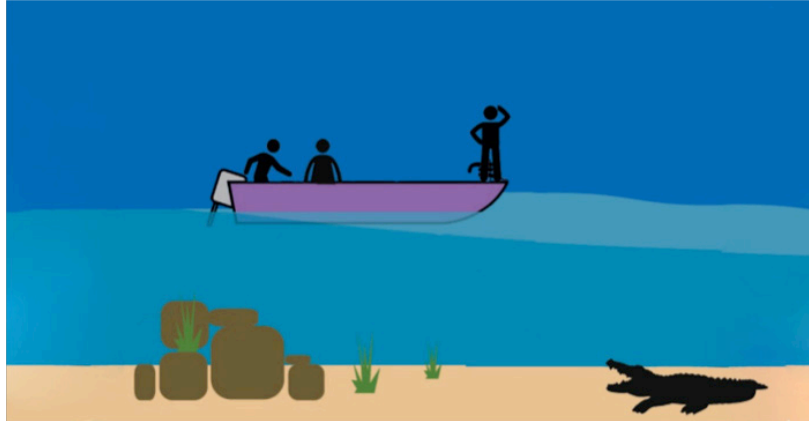
1 in the boat

Check your safety equipment



On the water we need to:

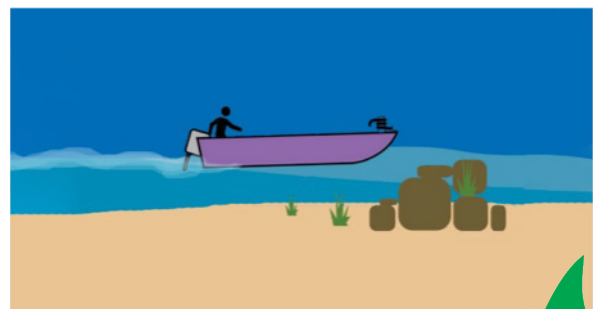
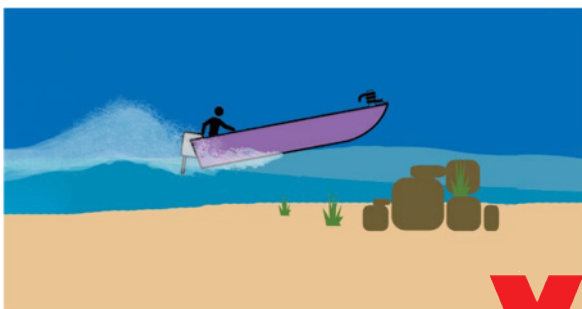
Keep a lookout



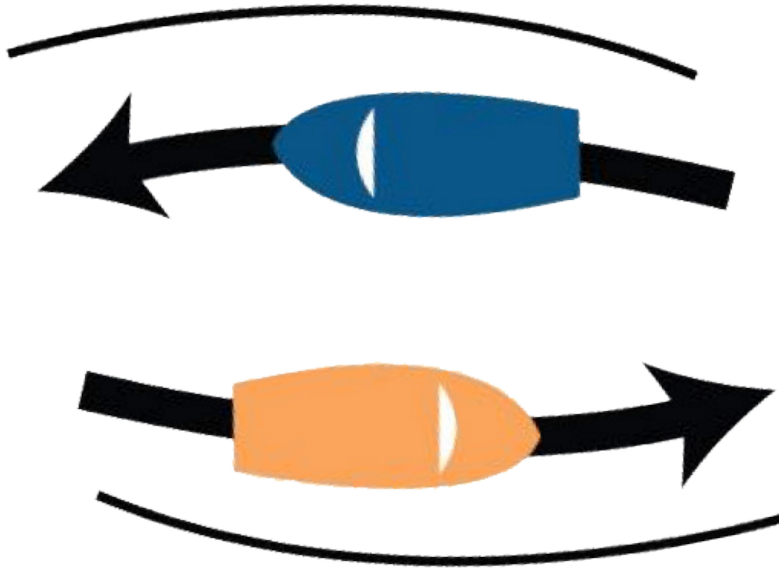
Remember grog and boats don't mix



Keep to a safe speed



Keep to Starboard in narrow channels








Check your boat isn't overloaded (Check the Builders Plate)

AUSTRALIAN BUILDERS PLATE

[Builder]

[HIN or Build Date]

Max		= HP or kW
		= XXX kg
MaxXX		= XXX kg
Max	 +  + 	= XXX kg
Buoyancy	XXXXX Flotation	



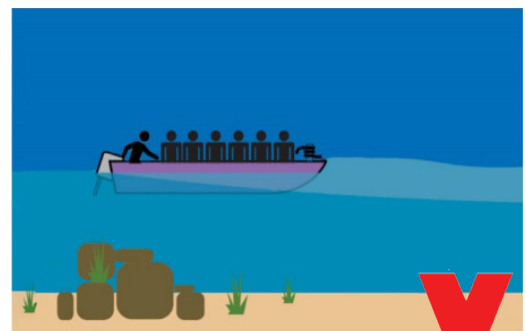
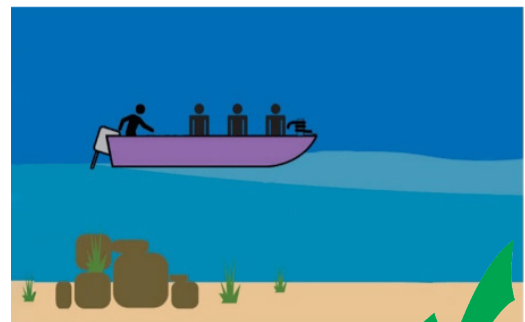
Alteration of the boat's hull or permanent fittings may invalidate the particulars on this date.

[Optional]



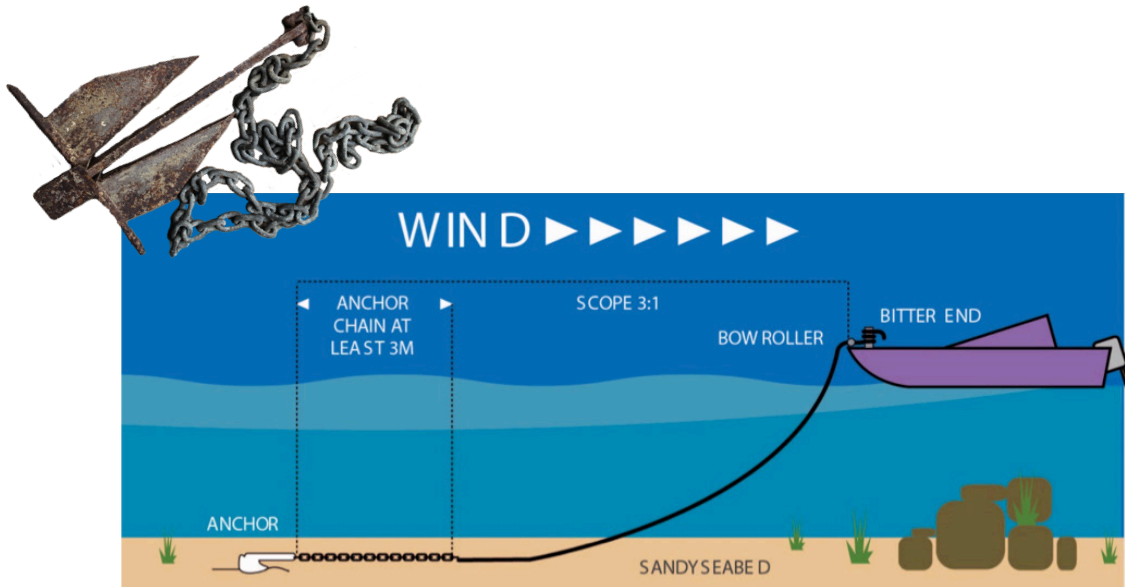
A) Person/load capacity warning statement.
B) Other optional information at builders discretion.

Information determined – [Standard used]



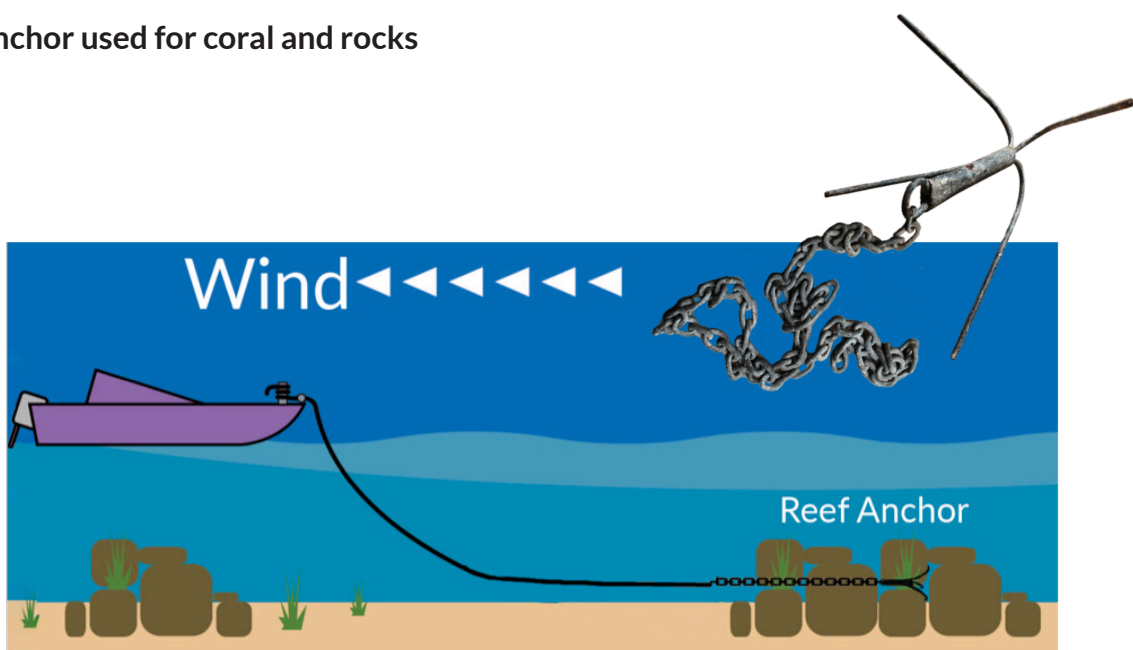
Anchors

Sand anchor used for sand and mud



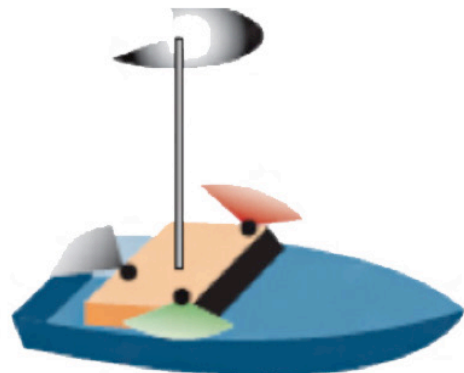
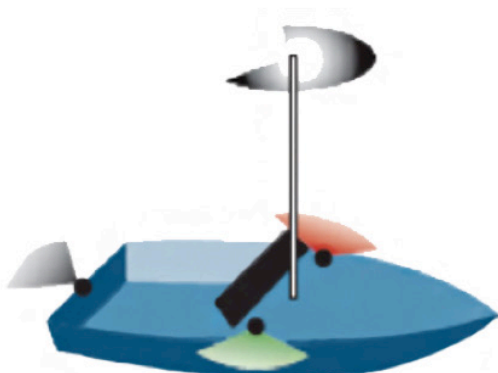
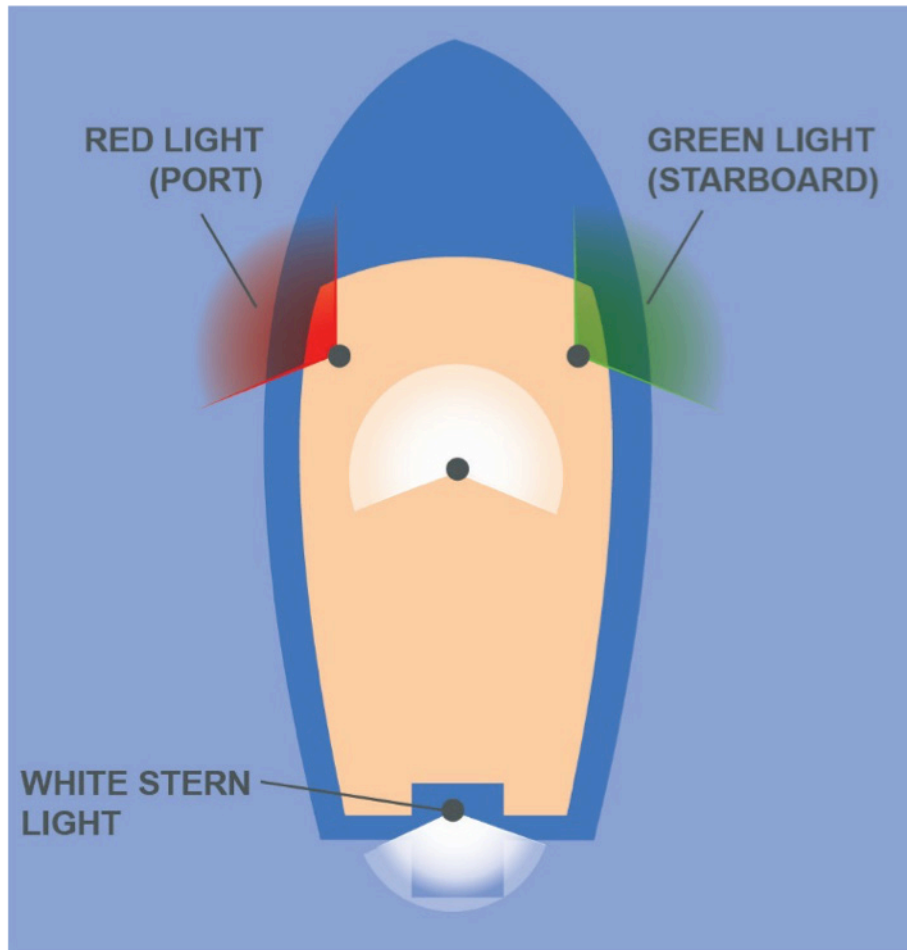
Rope and chain need to be 3 times as deep as the water.
e.g. 4 metres deep x 3 = 12 metres of rope and chain

Reef anchor used for coral and rocks



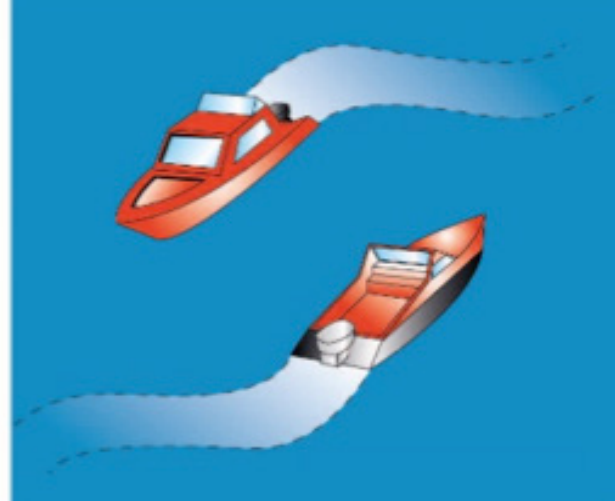
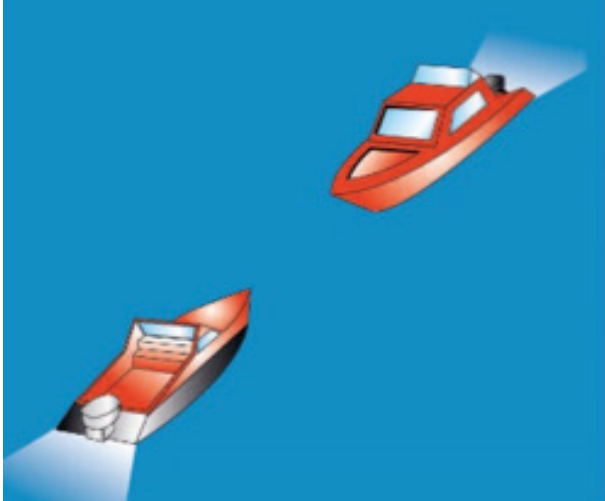
Navigation lights

Lights to be used at night, in fog, or in rain



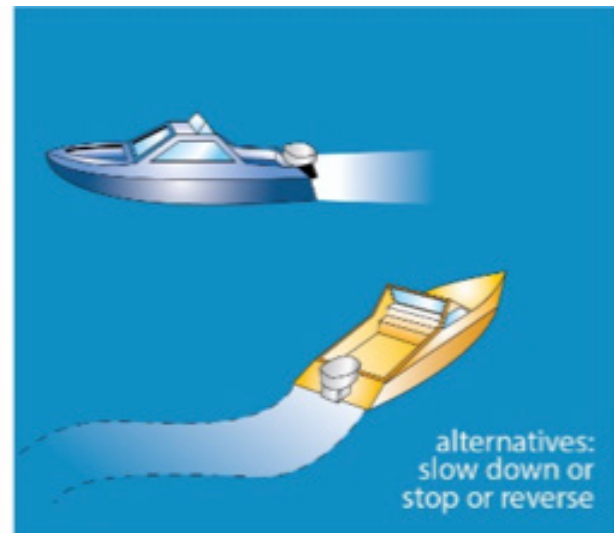
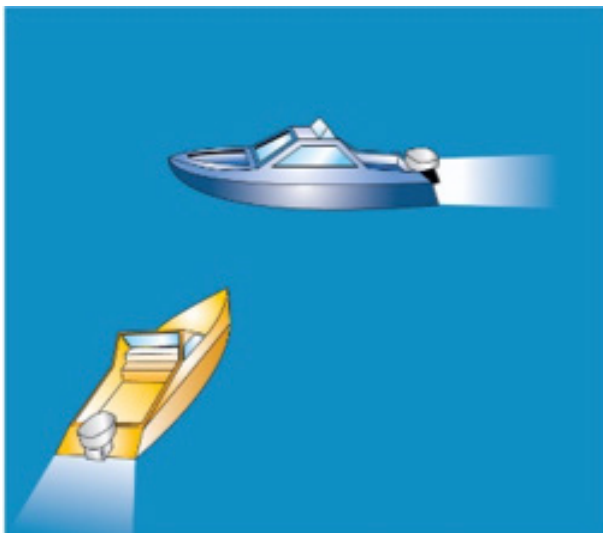
Rules on the water

Head on



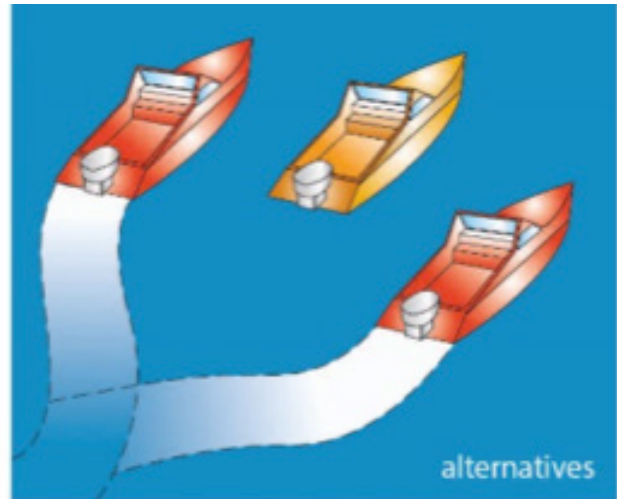
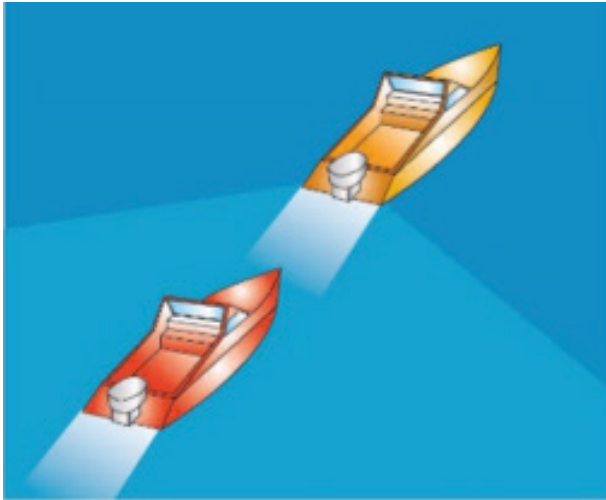
Swerve to Starboard (port to port)

Crossing path



Boat which has the other boat on its starboard side must pass behind or stop

Passing



Keep out of the way of the boat you are passing

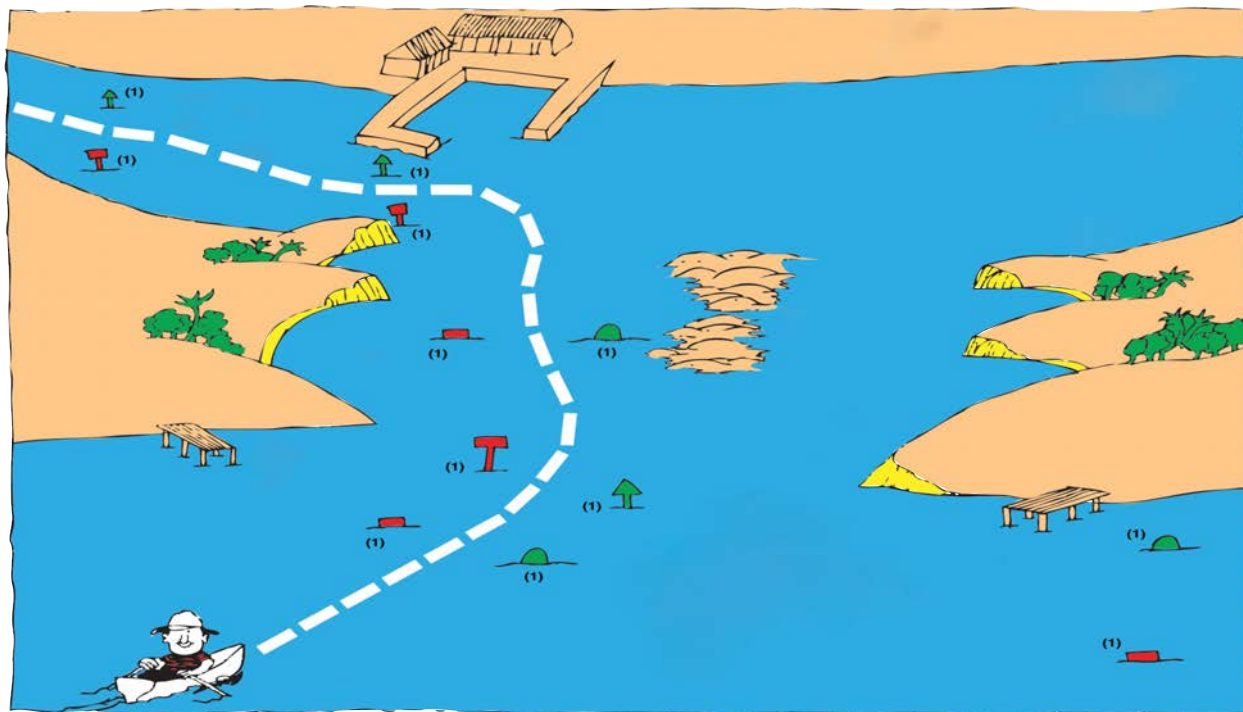
Emergency



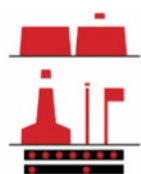
IF the boats are going to hit each other both must change their course to starboard (port to port) if possible

Lateral marks

Port and starboard sides of channels



Port Mark



Red can show port side of a channel.

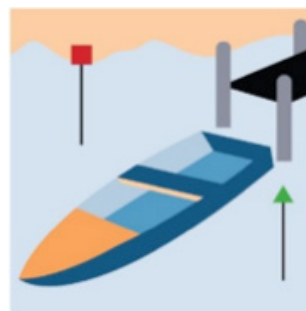
Starboard Mark



Green cone shows starboard side of a channel



Red to red into port



Red to green out of port

Fire on a boat

Keep floor of boat clean



X Don't use a lighter or a match to look for something.



Use a torch



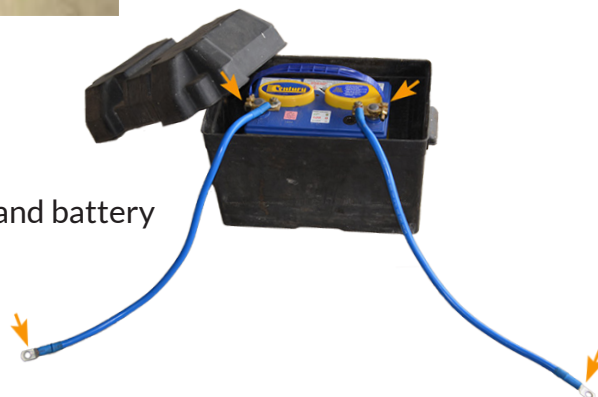
Check fuel lines for leaks
Make sure fuel hasn't been spilled



Carry extra fuel in marine fuel containers (jerry cans)



Check electrical wires and battery
Keep clean



Fire extinguisher

White Band - Contains Dry Powder



X NO fires on boats



Using a fire extinguisher on a boat fire

Fuel up a portable tank

1. Do not smoke



2. Put fuel container on the ground



3. Put fuel nozzle into the tank



4. Stop fuel flow before taking nozzle out of tank



5. Wipe up spills

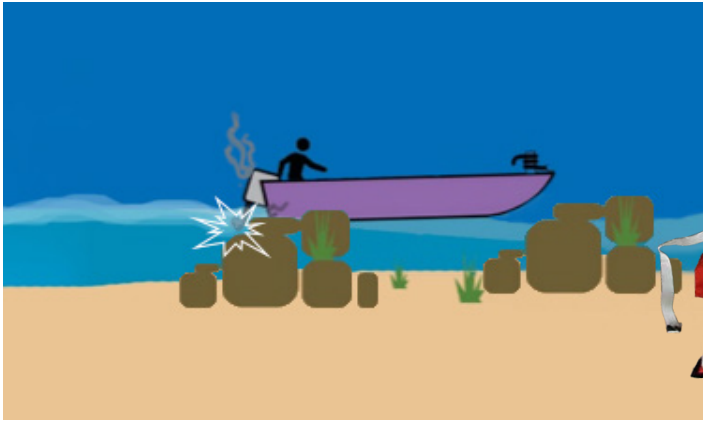


6. Put fuel container back in the boat



What to do in an emergency

1. Make sure your life jacket is on



2. Call for help



112
or
Home
or
Rangers



3. **Set off flares** when another boat is near or a plane is overhead.



4. **THEN**

Set off your **EPIRB**



How to set off an EPIRB

1. Find and take EPIRB from bracket.



2. Open or twist top.



3. Press the button.





4. EPIRB must be placed into the water for a better signal



5. Make sure EPIRB is attached to your boat



6. If your boat is sinking or has sunk, attach EPIRB to yourself

Weather and tides



Low tide

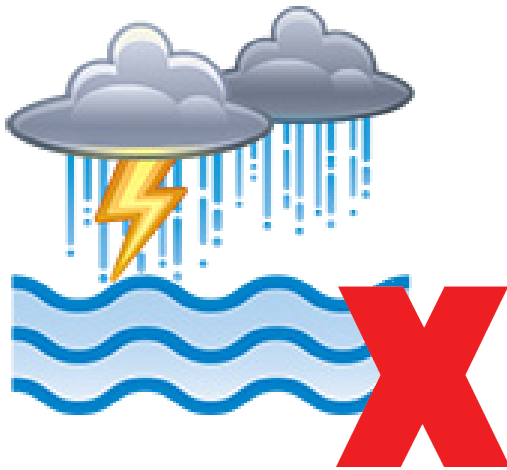
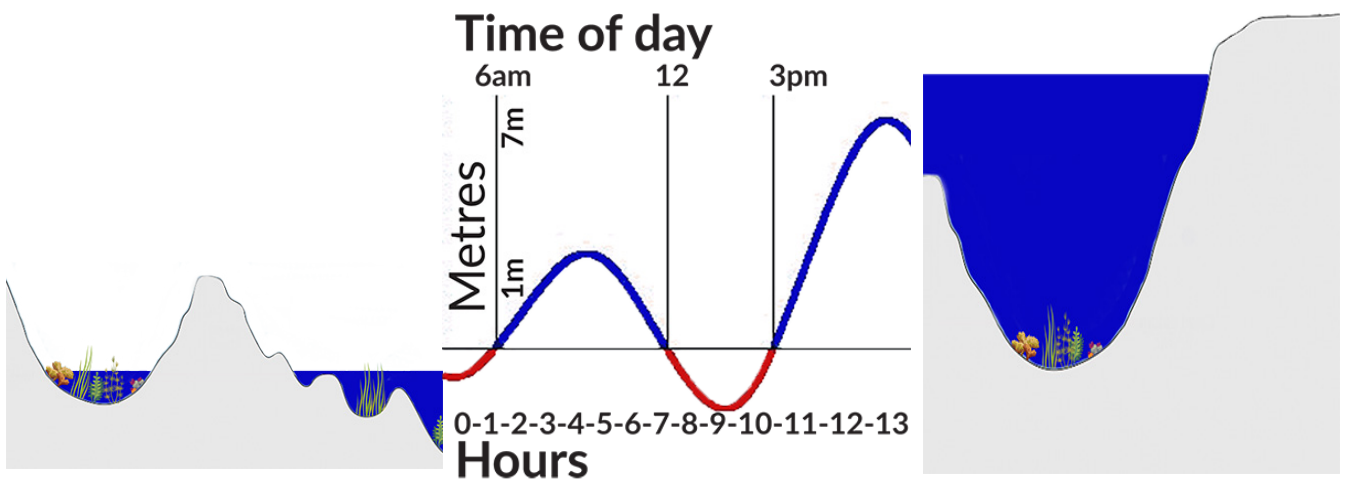


High tide



Make sure there is enough water to launch your boat safely

Tidal Chart



Bad Weather

Good Weather



Only go out in the boat when the weather is good

Rubbish

Keep all rubbish in your boat as it is **HARMFUL** to sealife



Trip planner

Date:

Name (Skipper):

Car rego number:

Boat size:

Number of people on boat:

Going to:

Time leaving ramp:

Time getting back to ramp:



Safety equipment checklist

1. Personal Flotation Device



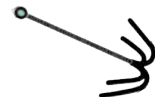
2. Paddles



3. Bucket or Bilge



4. Anchor



5. Drinking Water



6. Torch



7. Fire Extinguisher



8. Flares (check expiry date)



9. V Sheet



10. Compass and Chart or GPS



12. EPIRB (registered with AMSA)



Safety checklist - Have you checked?

1. All safety equipment in the boat



2. Someone knows where you are going (fill in form and leave on fridge)

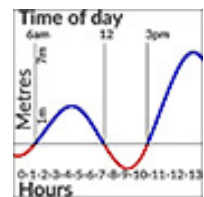
Trip planner

Date: _____

From (Start): _____

To (Destination): _____

3. The weather and tides



4. The hull for cracks so it doesn't leak



5. The motor starts



6. The bung fits and doesn't leak (have a spare bung in the boat)



7. You have enough fuel (do you need to take extra fuel?)



8. You have enough drinking water



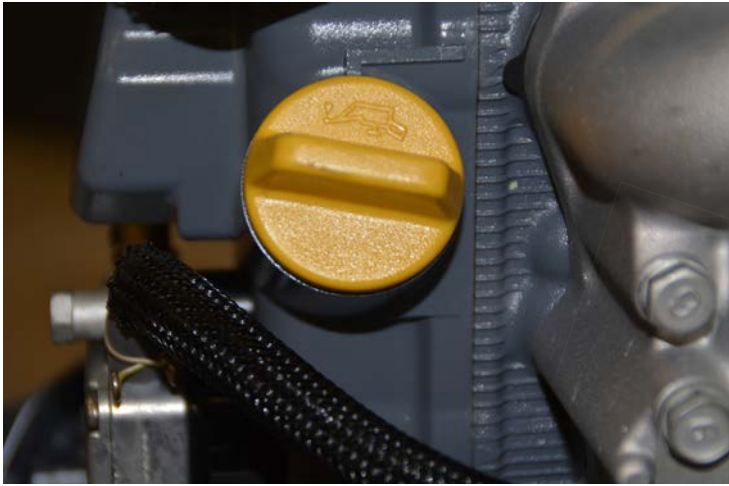
9. Nav lights are working



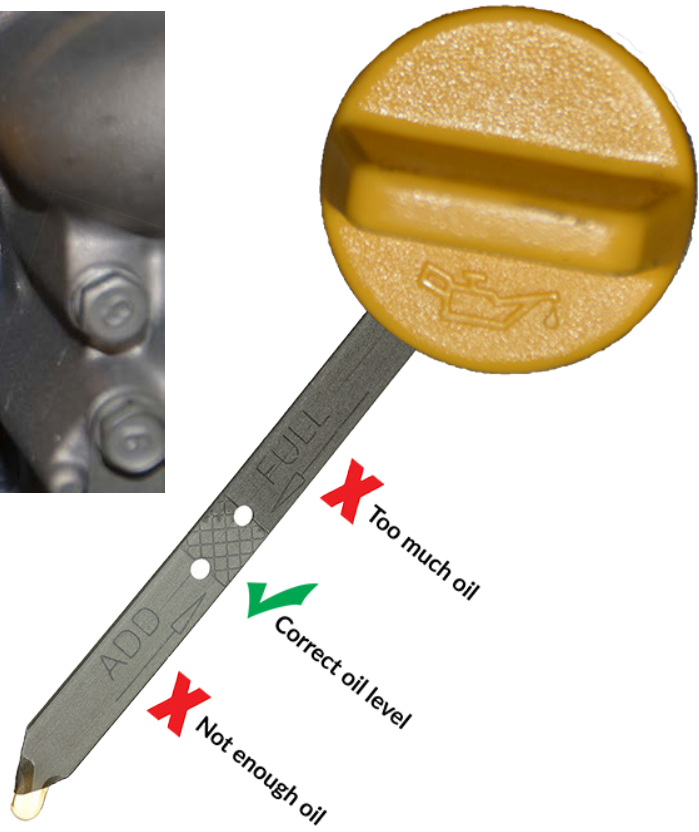
Looking after an outboard motor

Outboard motor/engine

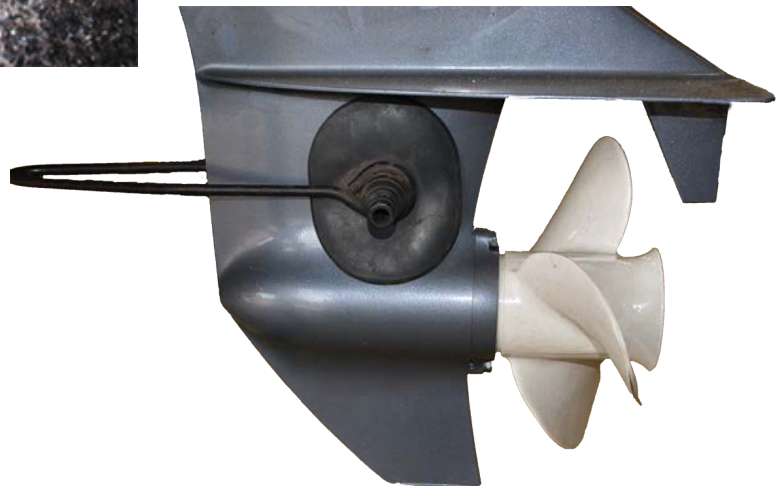




Check oil level



Flush the outboard motor



Check the propeller for damage

Be safe on the water!

