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Introduction

Ian Childs

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Note: Portions of this presentation reflect part of the training presentation we prepared for Flood Rescue Boat Operations as well as some material from Transport NSW

STATE EMERGENCY SERVICE



YOU ARE THE PERSON RESPONSIBLE FOR YOUR SAFETY

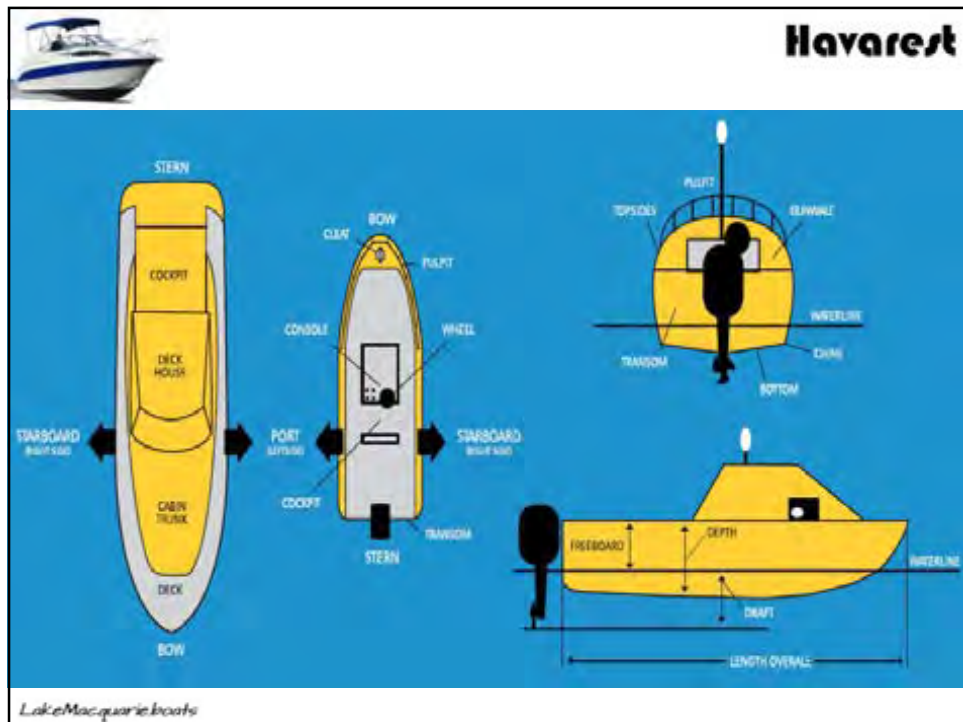


Presents

We hope that this presentation shall provide insight with how to handle issues with boats irrespective of vessel size

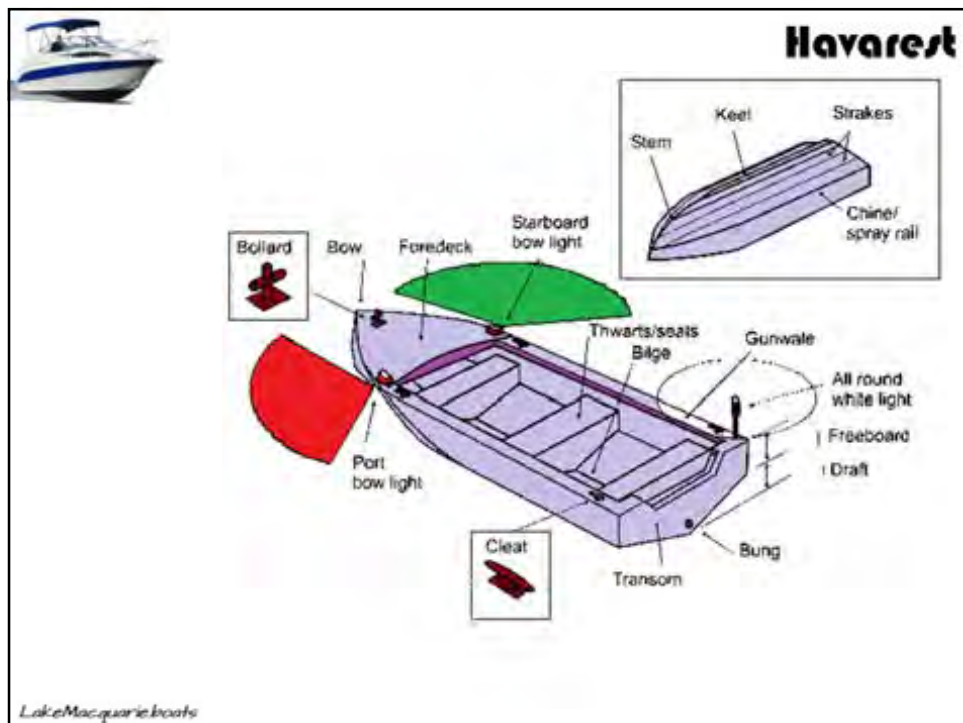
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Maintain the boat and safety equipment – Why?

- What are the consequences of lack of maintenance?
 - Things break – not good when out on the water!
 - Things leak – not good when out on the water.
 - Things run out – running out of fuel is not good.
 - Ropes & Lashings – replace when required.
 - Batteries need to be charged.
- What about safety equipment?
 - Empty fire extinguishers
 - Life jackets that don't fit
 - First aid kit empty or missing
- What equipment should I have on this boat?
 - Check the emergency plan..
 - Where is it stowed?

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FLOODBOAT PPE



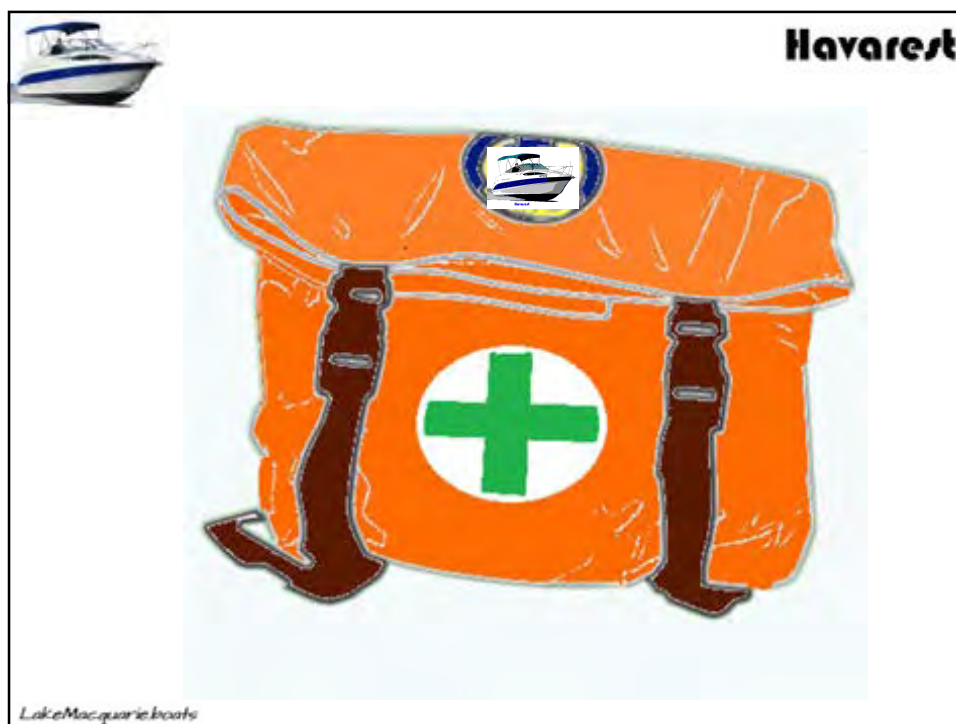
Sunscreen ✓✓✓	A good hat
PFD type 1 Optional, unless directed otherwise by State legislation or organisational procedures.	Wide brimmed with chin strap ✓✓✓
Except when there is a heightened risk, such as:	Peak cap with neck shade ✓✓✓
• at night ✓✓✓	Warm hat (beanie) for cold ✓✓✓
• on floodwaters ✓✓✓	No hat ✗
• on moving water ✓✓✓	Appropriate clothing (This will vary with weather conditions)
• when wearing bulky clothes, dry suits or wet weather gear ✓✓✓	UV protective clothes ✓✓✓
• if you are not a strong swimmer ✓✓✓	Dry suit (cold/wet weather) ✓✓✓
Gloves where appropriate ✓✓	Wet weather gear ✓✓✓
Suitable non-slip footwear	Overalls ✓✓
Volley sandshoes ✓✓	Wetsuit ✓✓✓
Boat shoes ✓✓✓	Shorts/T-shirt (warm weather only) ✓✓✓
Boots ✗	Legend
Thongs ✗	✓✓✓ Must wear
	✓✓✓ Ideal
	✓✓ OK
	✗ Unsuitable

Remember, there is only one rule here – BE FLEXIBLE BUT SAFE

PPE personal protective equipment

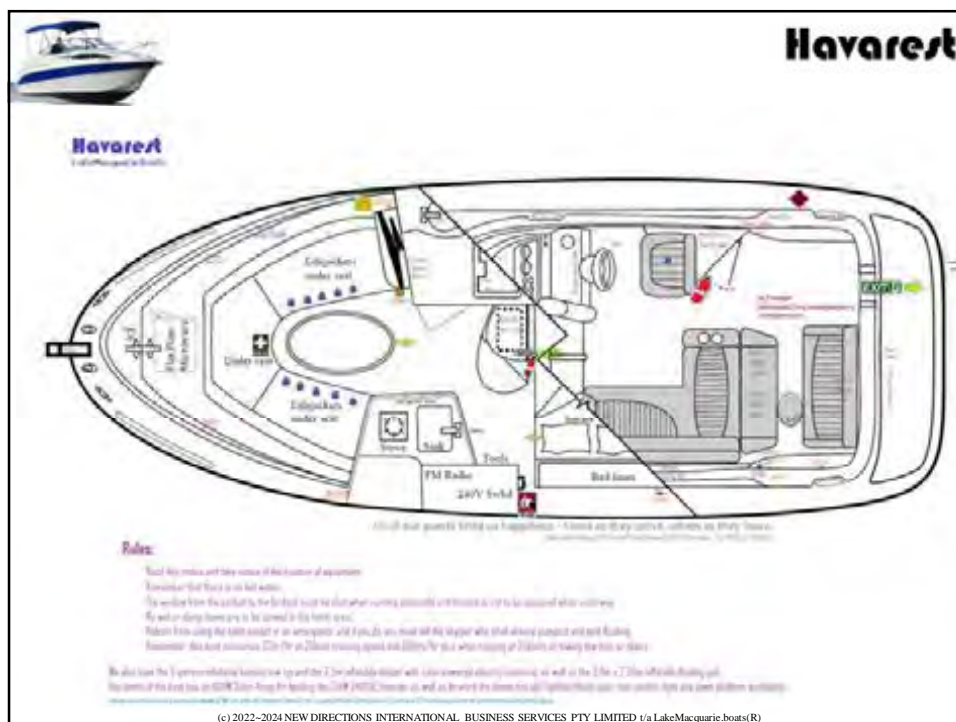
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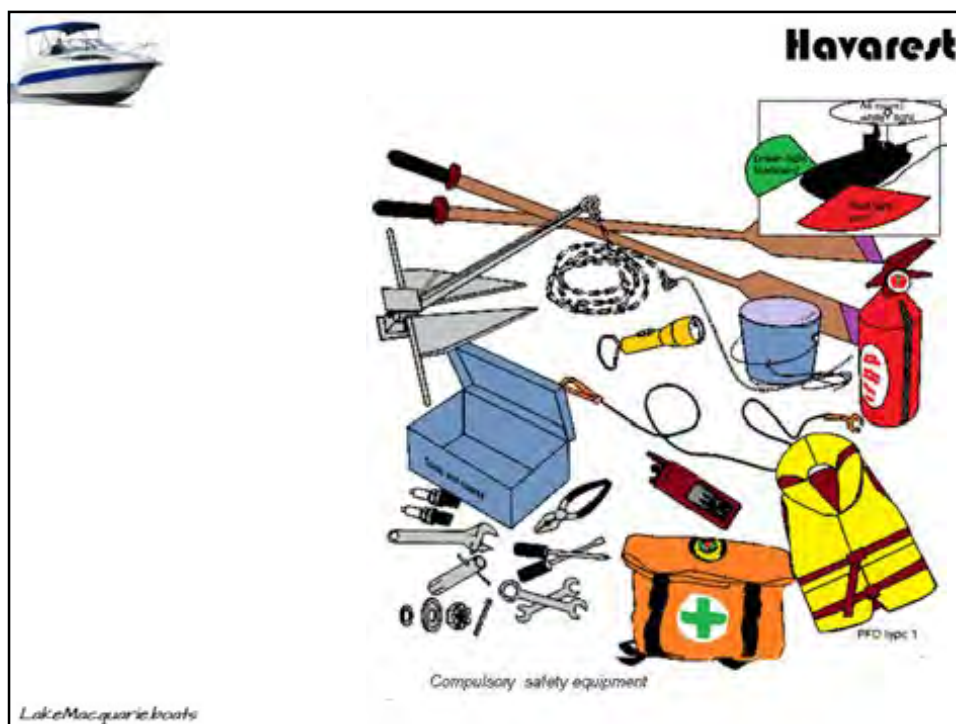


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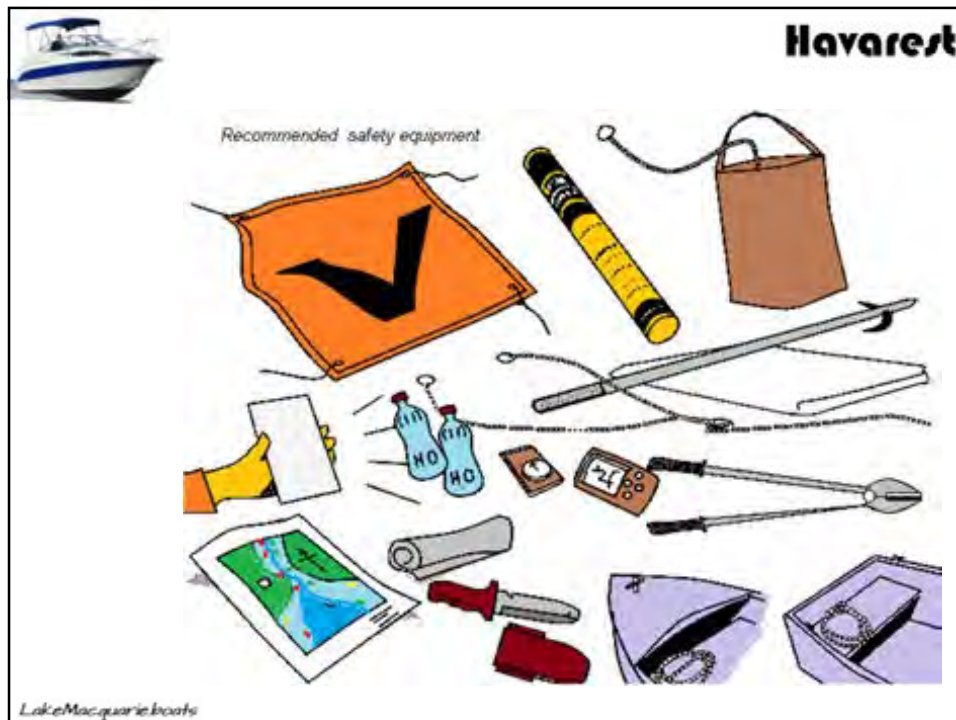
LIFE JACKETS ON BOARD

	Brand	Size	Kg Range	Other
1	Menace	Child	10~25kg	85 chest
2	Menace	Child	10~25kg	85 chest
3	Marlin Dominator	Junior	33~40kg	
4	Savage Fluid	S	40~60kg	
5	Savage Fluid	S	40~60kg	
6	Marlin Medalist	M	60~70kg	
7	Ultra Kayak	L	60+kg	
8	Ultra Kayak	XL	60+kg	
9	Ultra Kayak	XL	60+kg	

Also floatation cushion (helm) and 2x L/60k+ inflatable vests


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Launching:


Ok this boat is on a dry store at Marmong Point Marina and the crew use a big forklift to place it in the water.



We have fenders to stop bumping against the seawall and use Lines to bollards to secure the boat to the dock. Remember that whist a car steers from the front, a boat steers from the back (*stern*) (unless fitted with bowthrusters which we don't have)

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Remember wind and tide – these will both act on the boat and push it about. You need to work with it...

On a boat this size, try and get a helper and as skipper – it's Your responsibility to make sure that they know what is expected of them and you are required to keep them safe!

How about a trailer?

If you're launching from a trailer – here's some pointers

Make your backing up anticlockwise curves, not clockwise.
That way you can see out the side the back of the trailer.

Make sure a line is attached when you take off the restraints
Don't know how many time I've seen boats float off..

Have a decent weight on the traction wheels of the tow vehicle
especially important when retrieving or you'll just spin the wheels & make smoke


Float the boat off once the wheels are semi-submerged

Clear the ramp promptly for the next launching.

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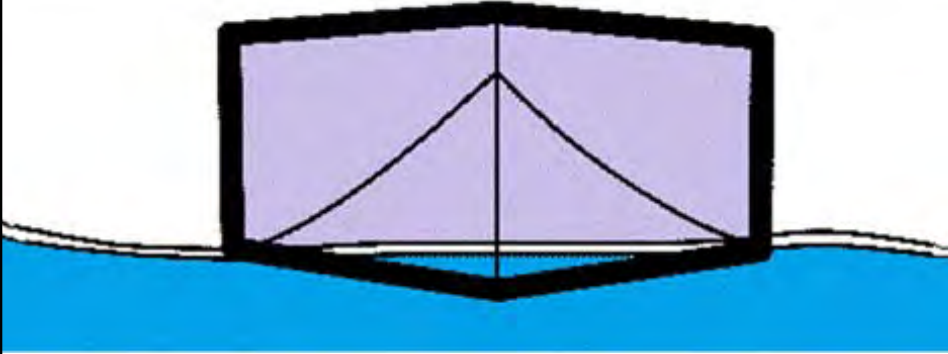
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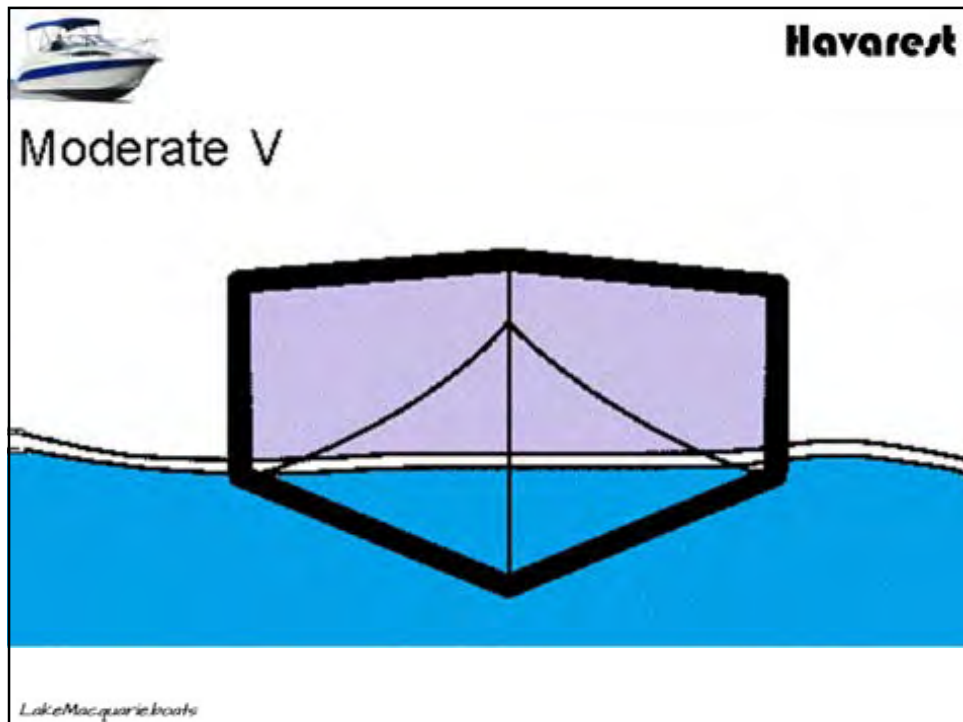
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Shallow V and V-nosed punt



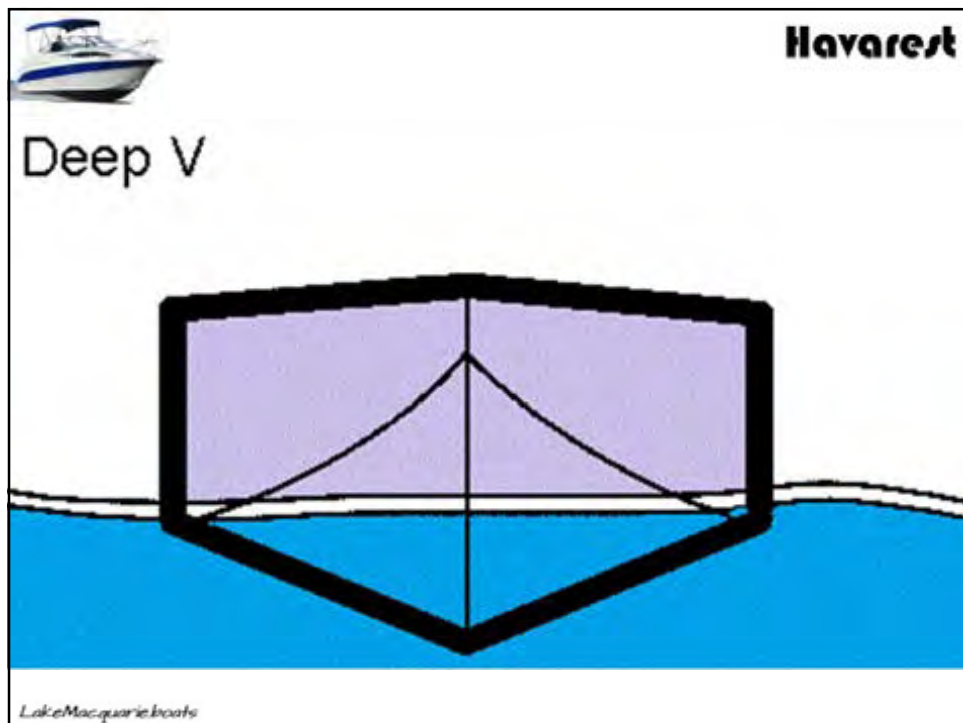
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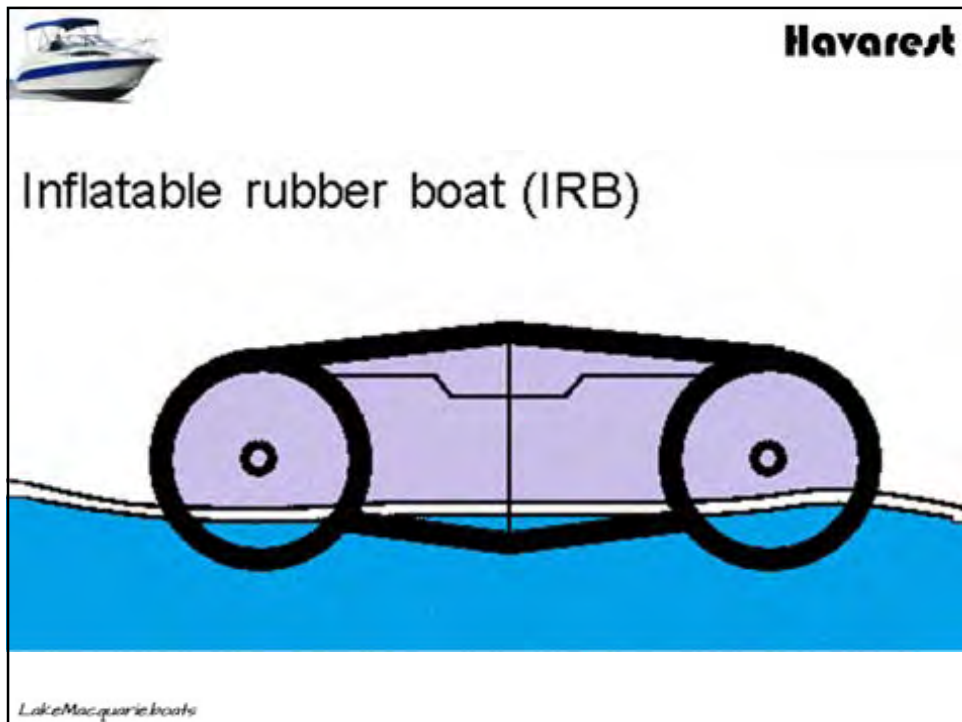


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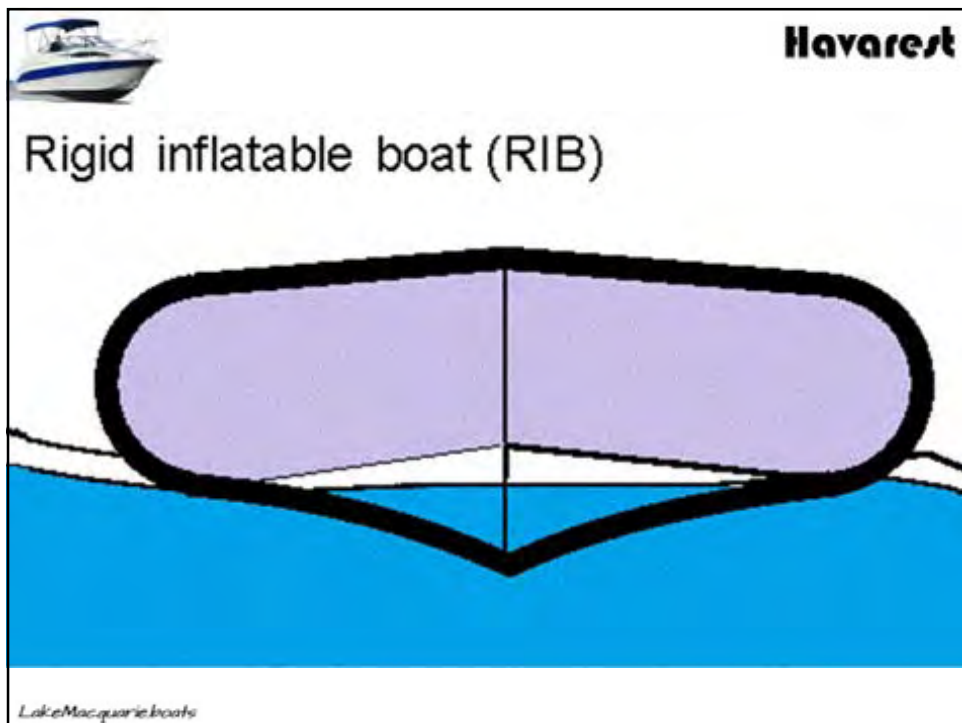


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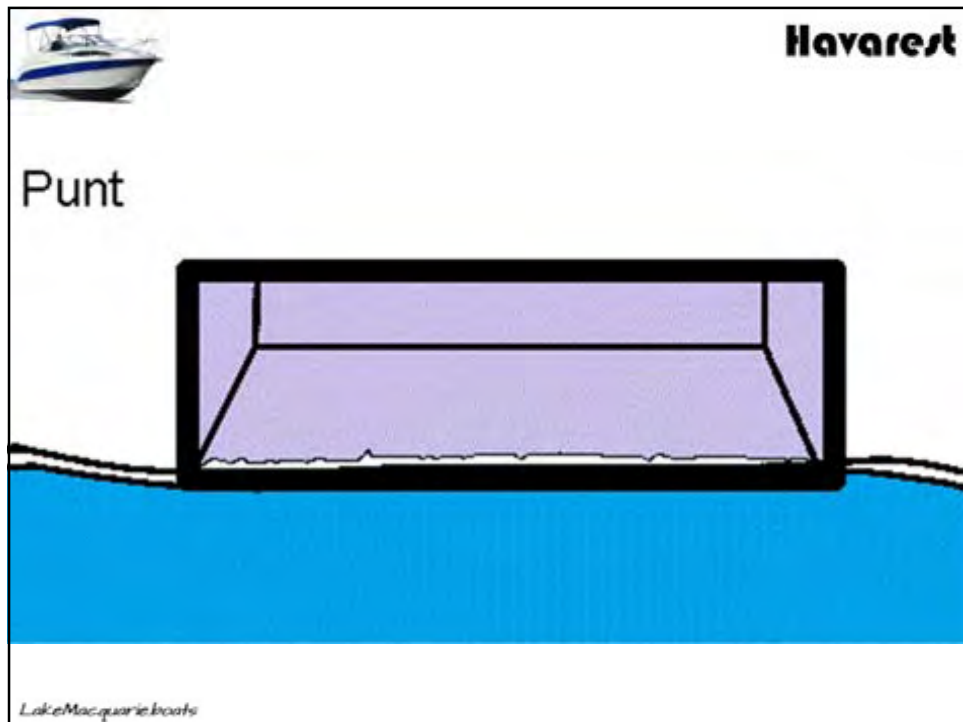


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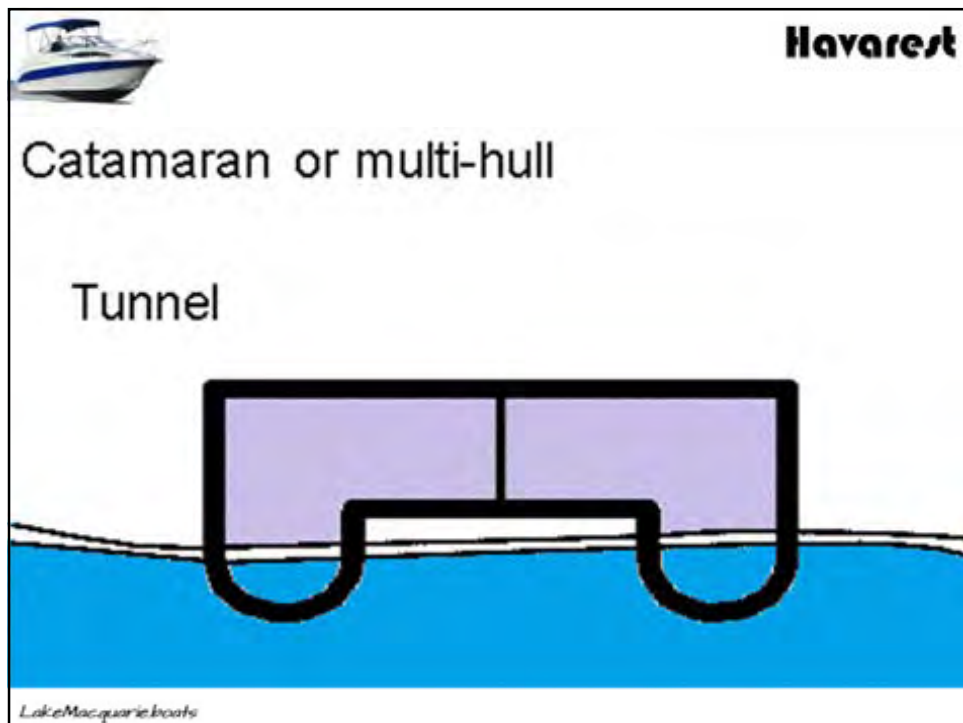


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Trip Planning:


Tell me what the weather forecast is for today?
 How did you check it?
 Have you checked that the boat is suitable to take you safely to where you're going?
 How many occupants can the boat carry? Is there enough safety equipment for them (correct size lifejackets)?
 Have you got water to drink, food to eat, sunscreen, etc.
 Who have you told where you are going and who shall any emergency responder call? When did you say you'd be back?
 When you get back, what do you do?

Make your own checklist...

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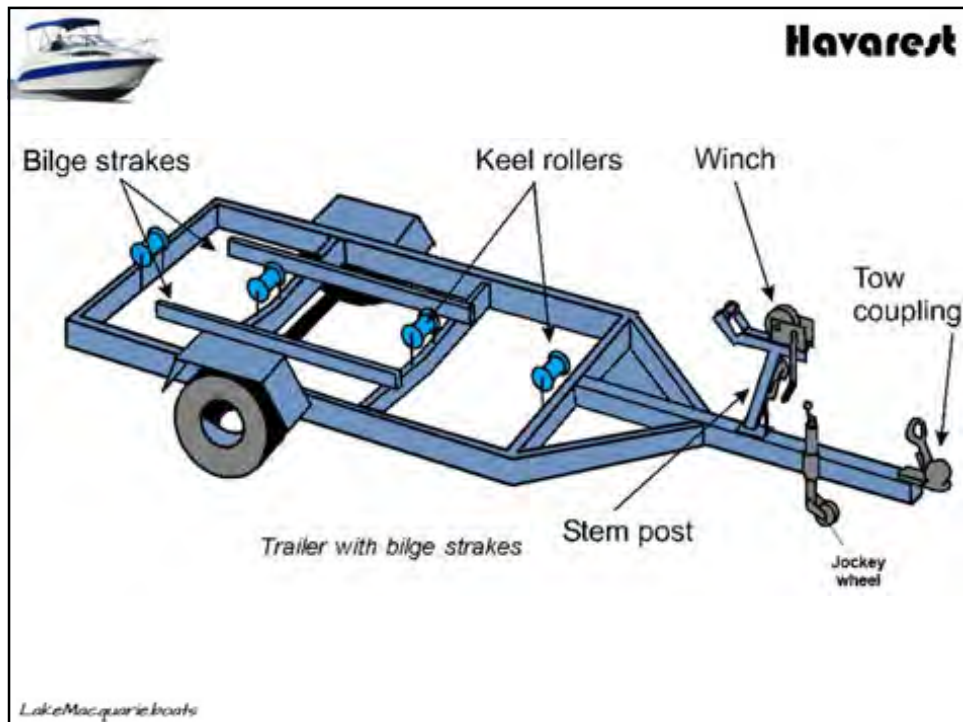
Towing:

The safety of the vessel towing is the priority.
 Ensure that you can quickly release the towline if
 There is danger to the towing vessel by the tow.
 Suggest use either a "slip bowline" or a
 "draw hitch" as well as have the observer with
 Ready access to cut the towline.

You must have an "observer" when towing **anything!**

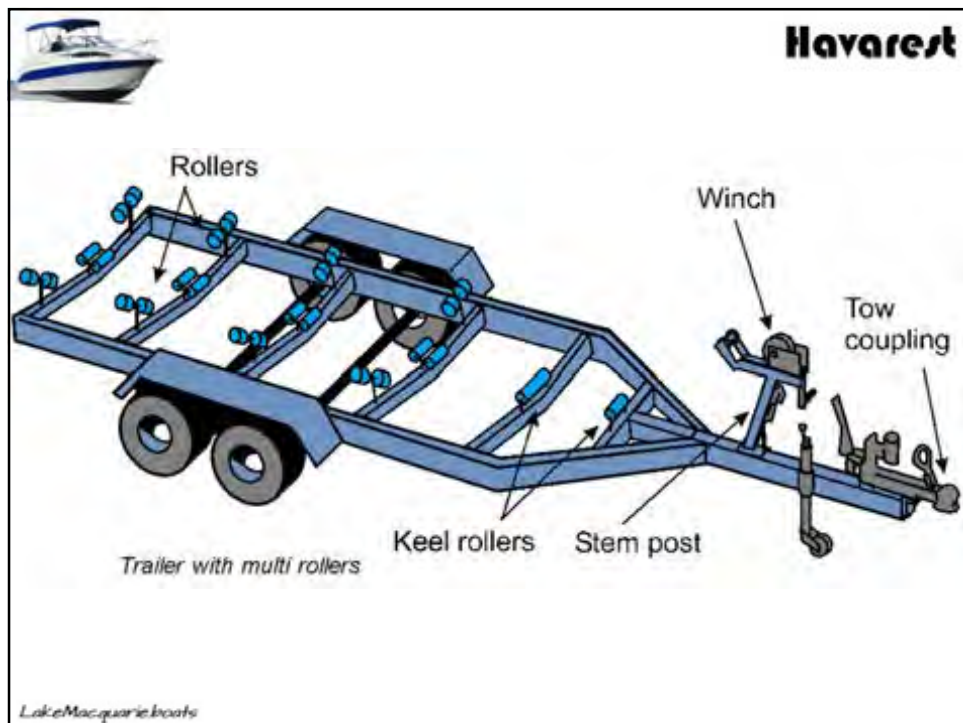
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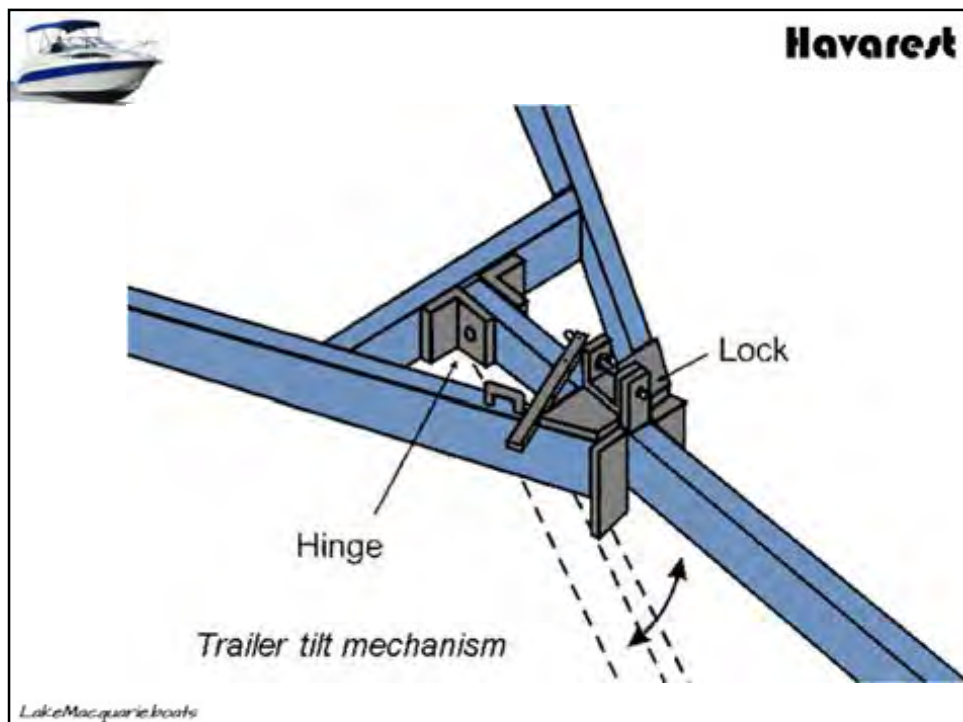


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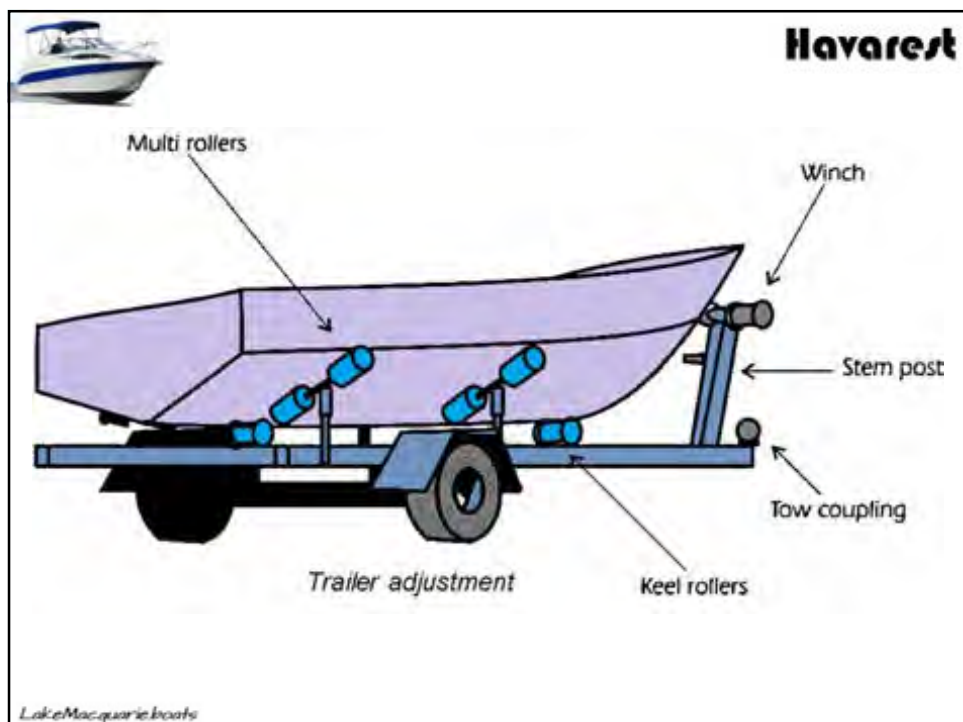


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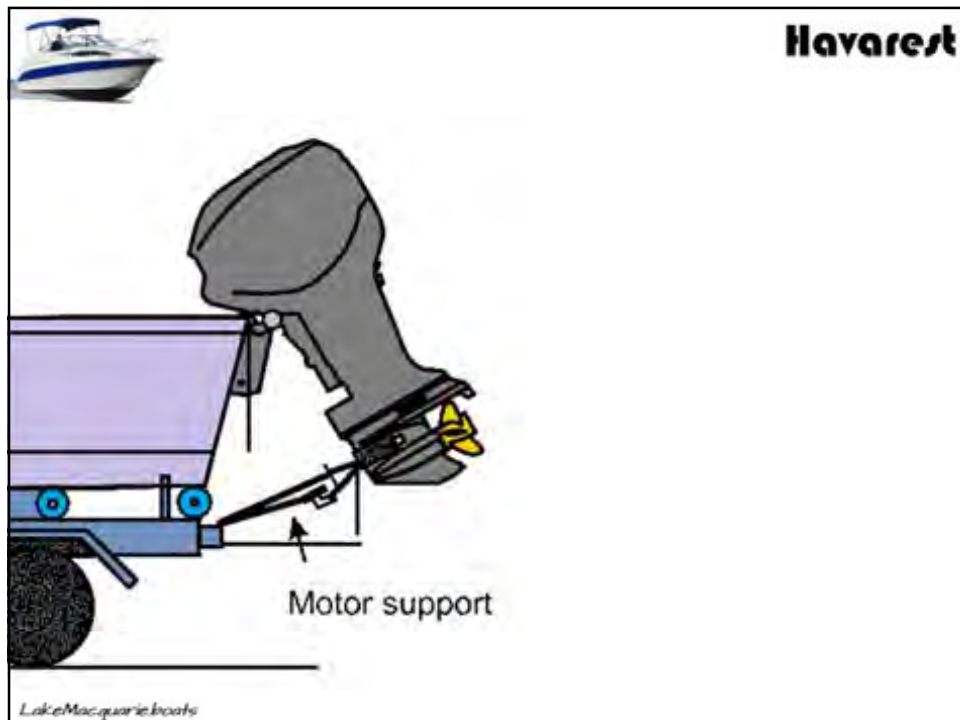


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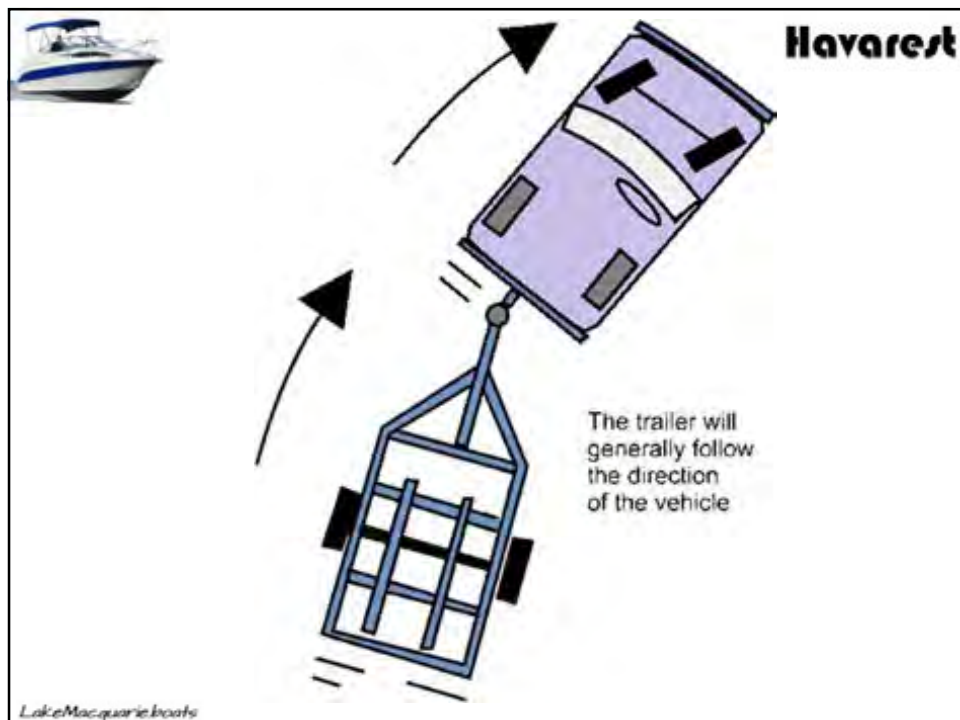


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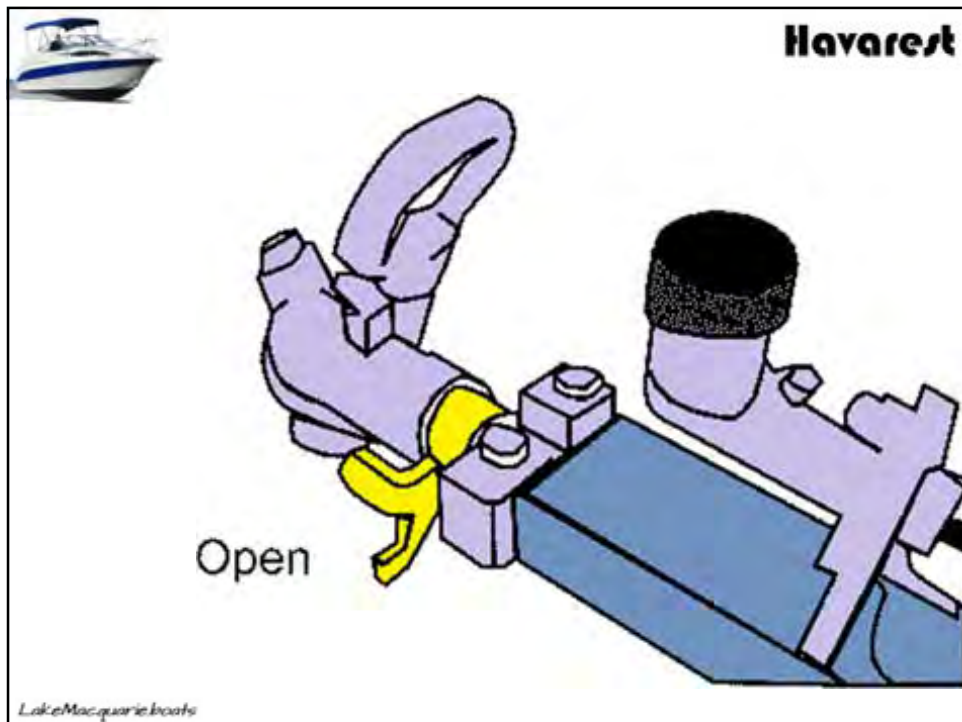


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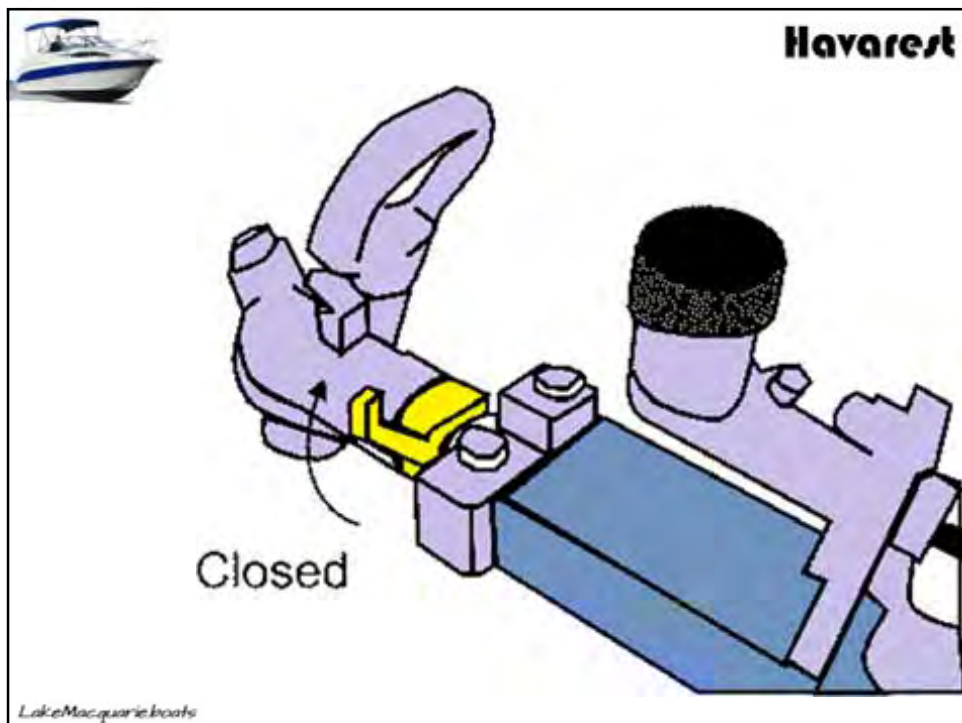


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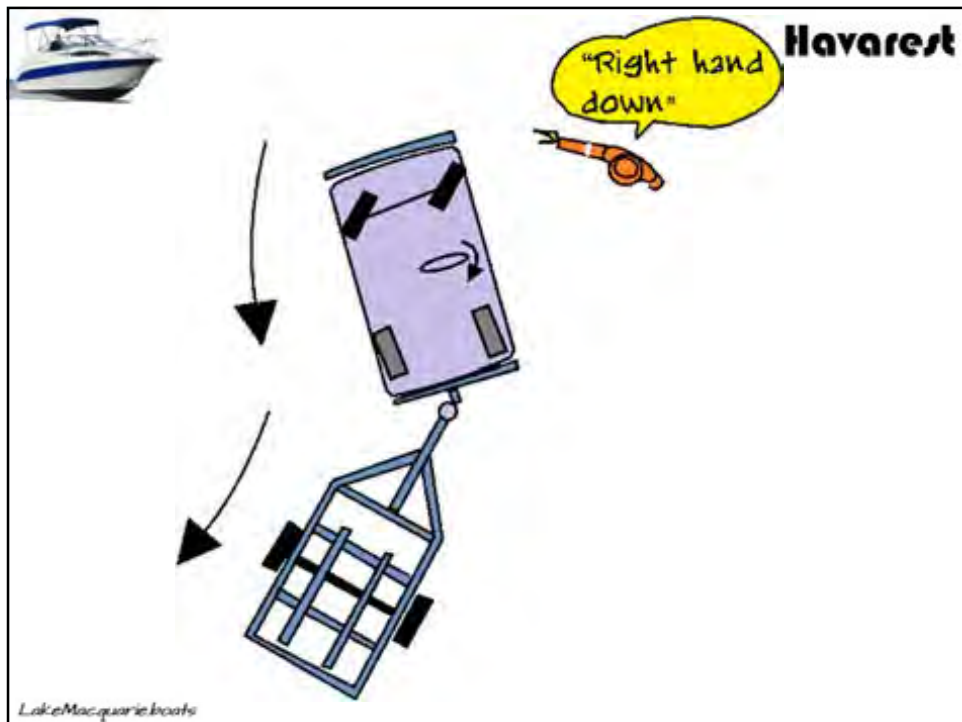


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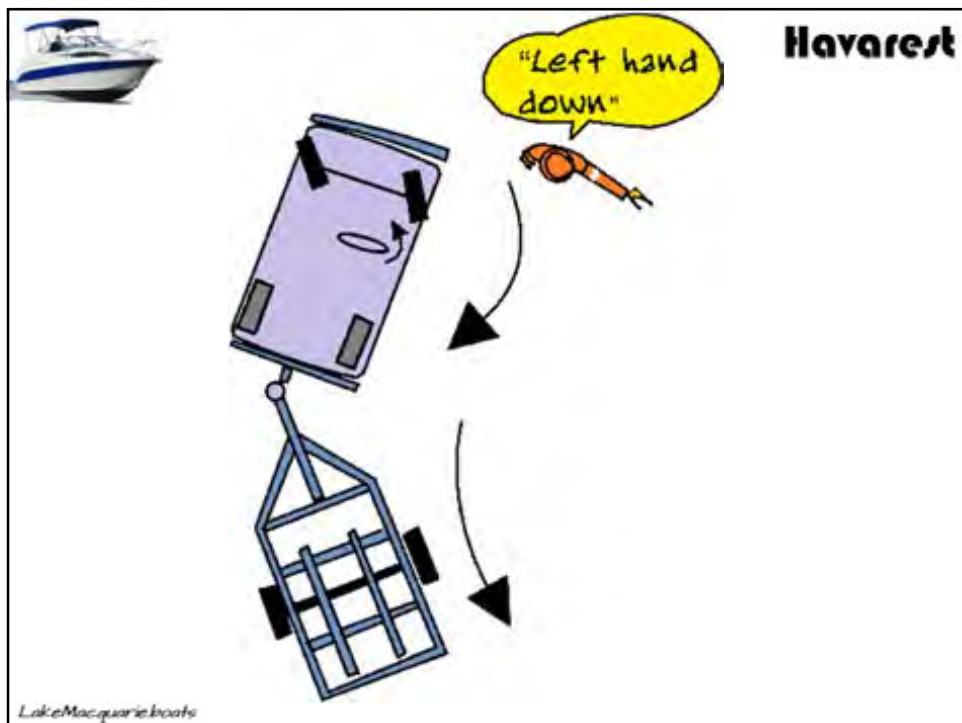


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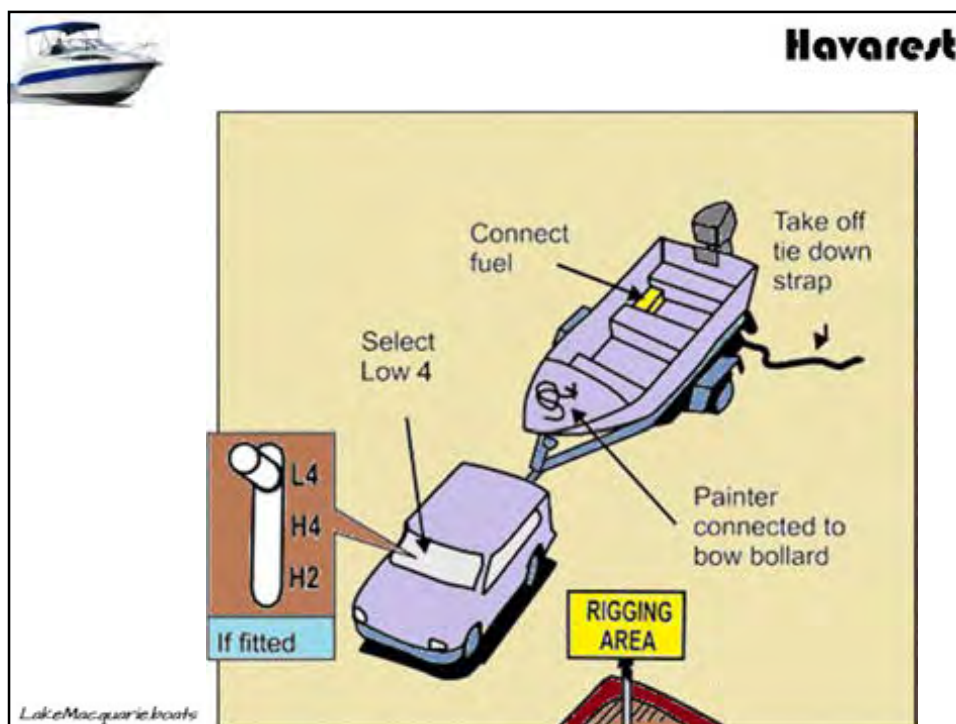


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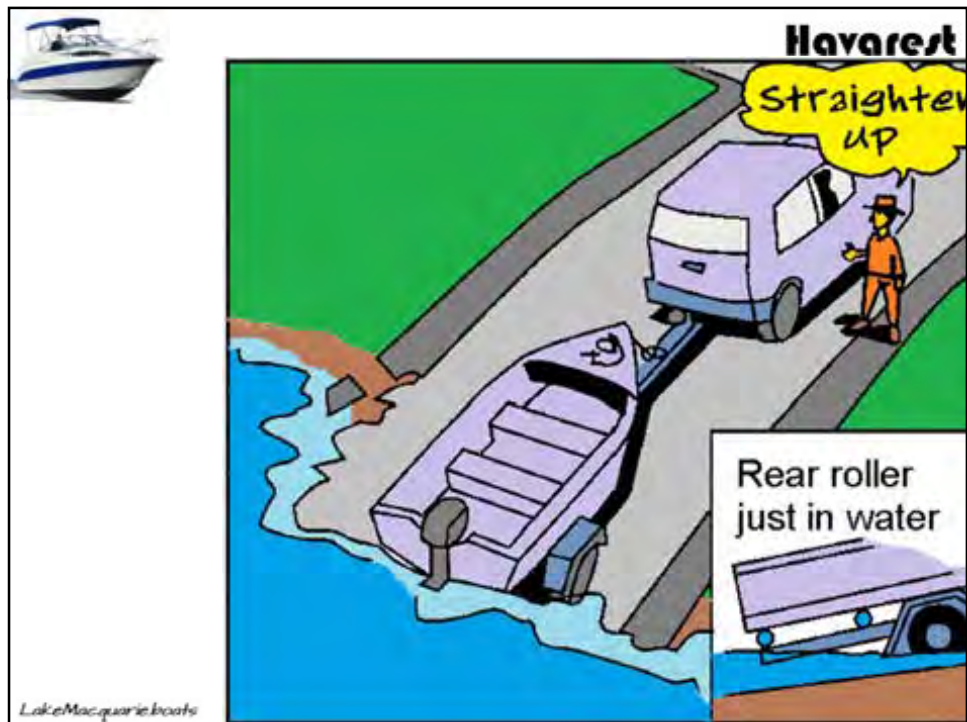


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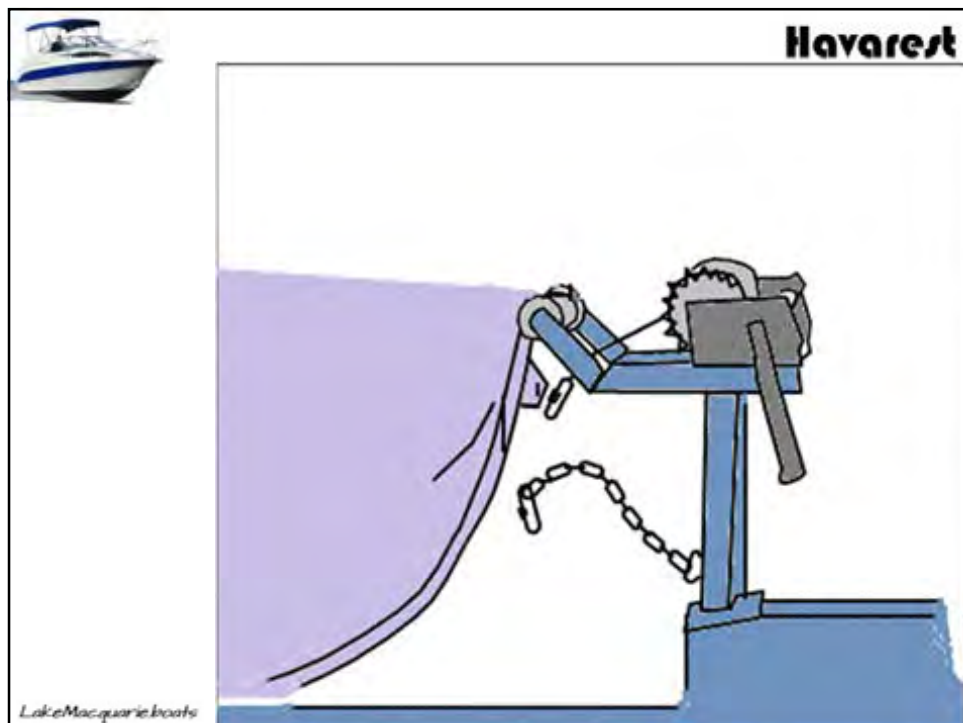


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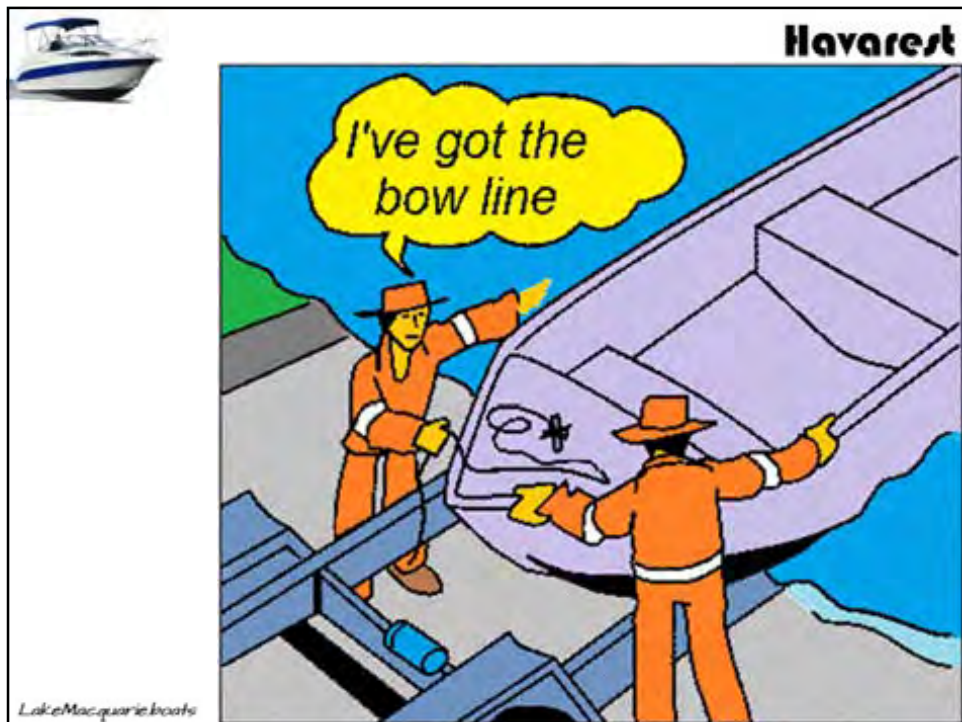


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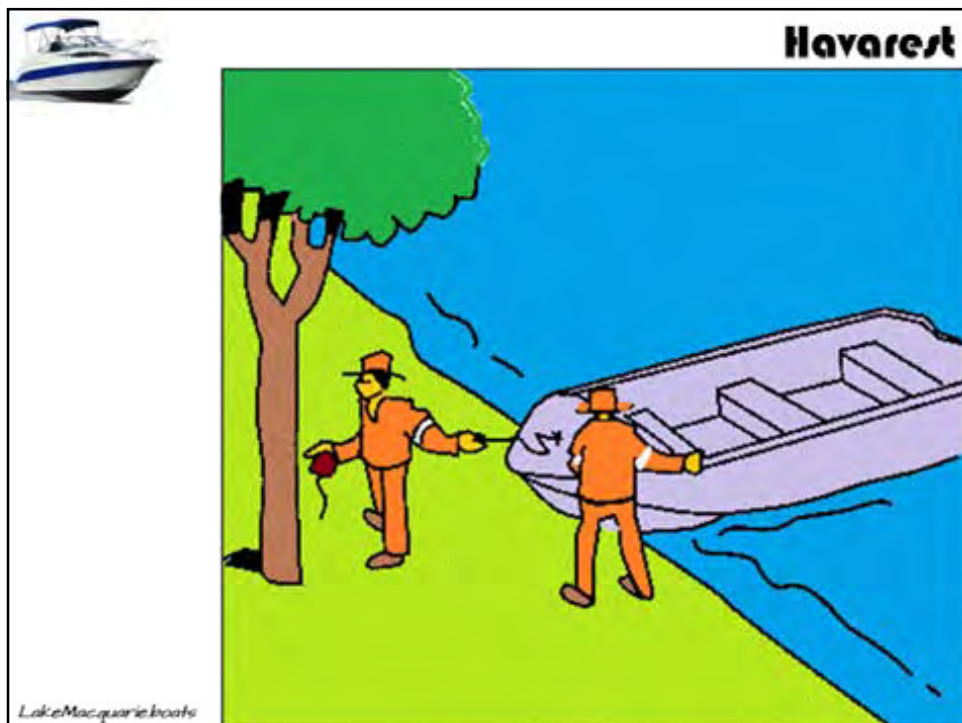


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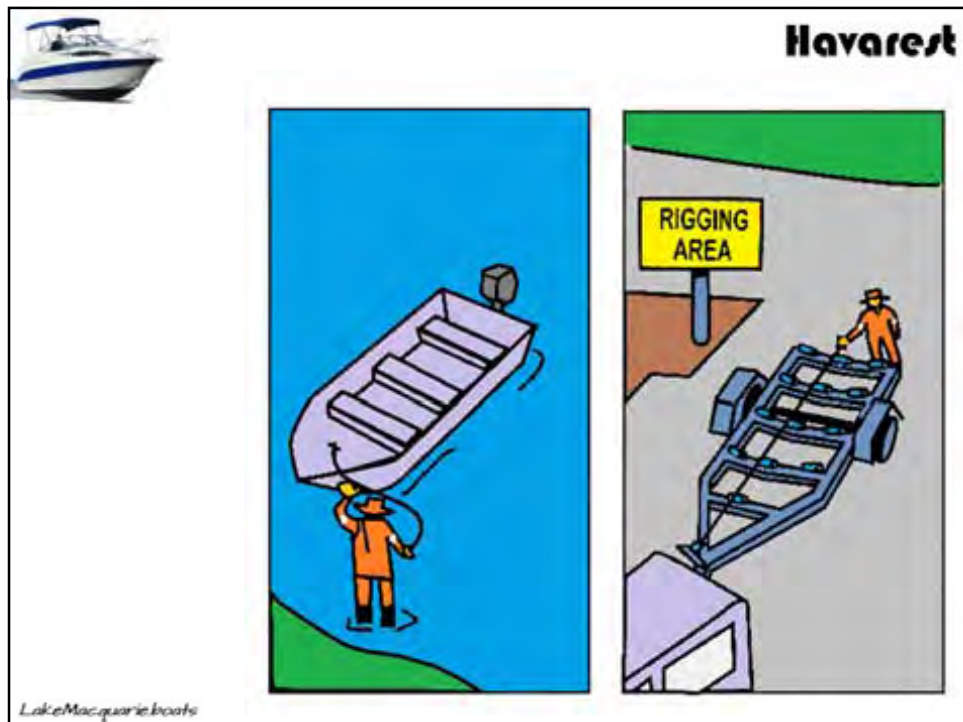


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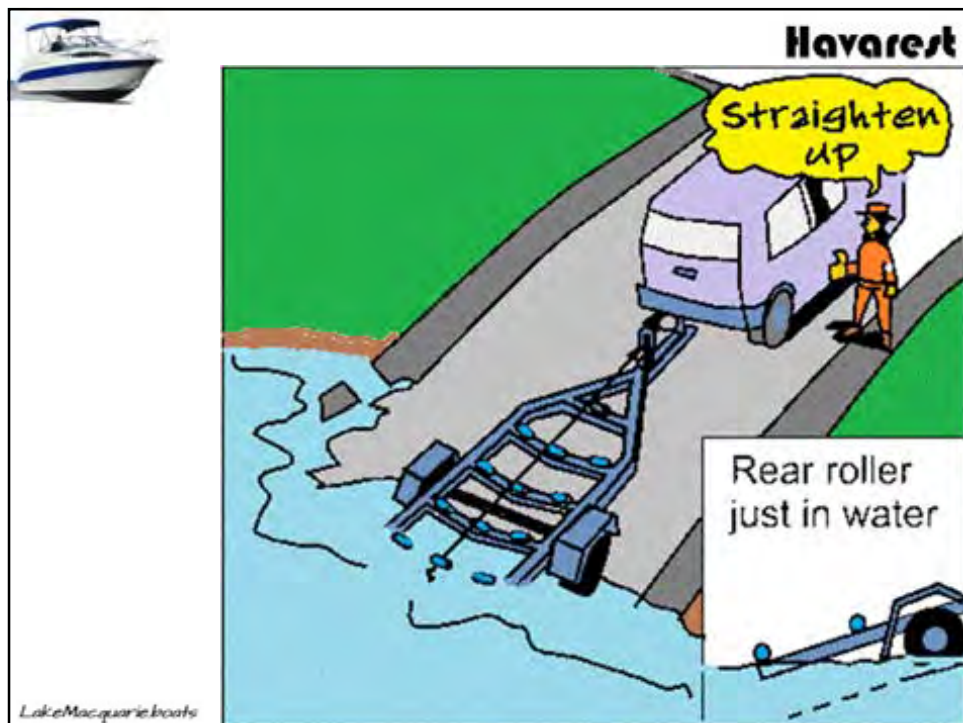


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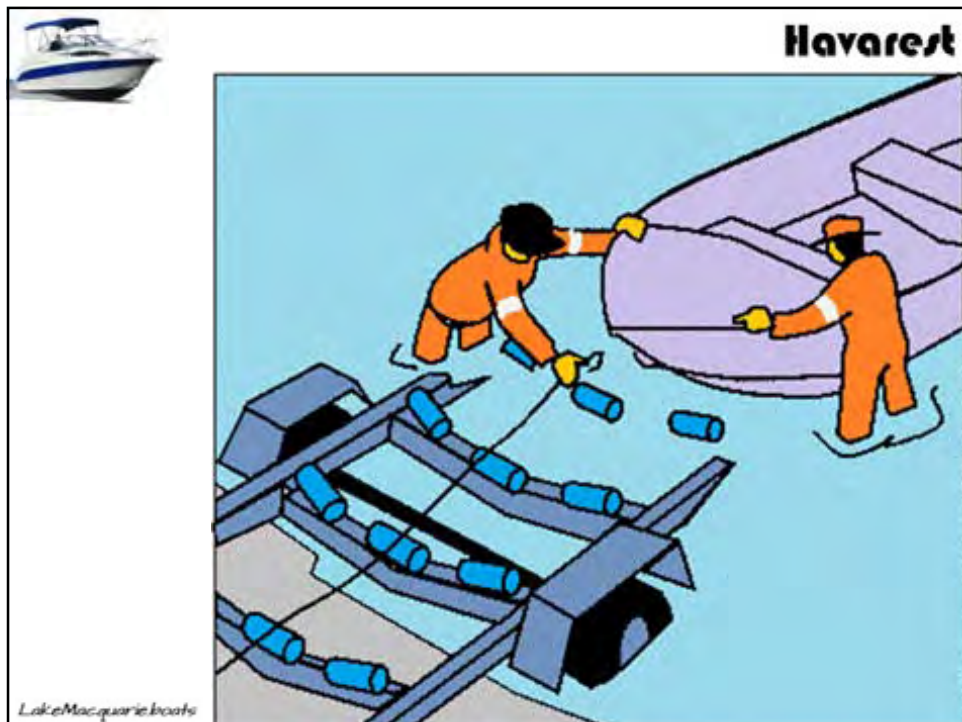


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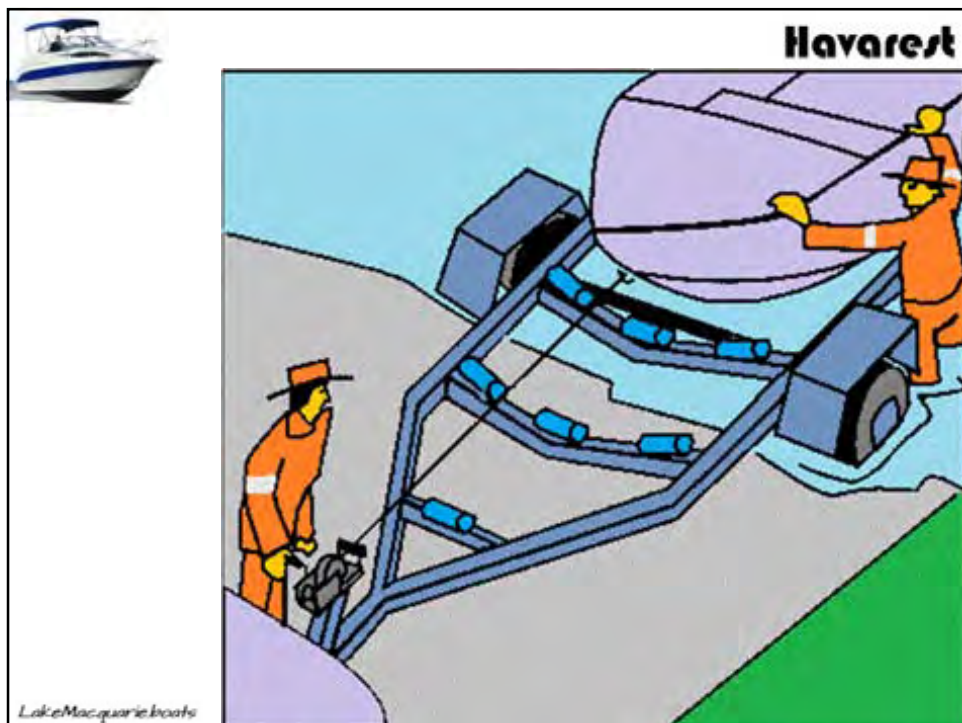


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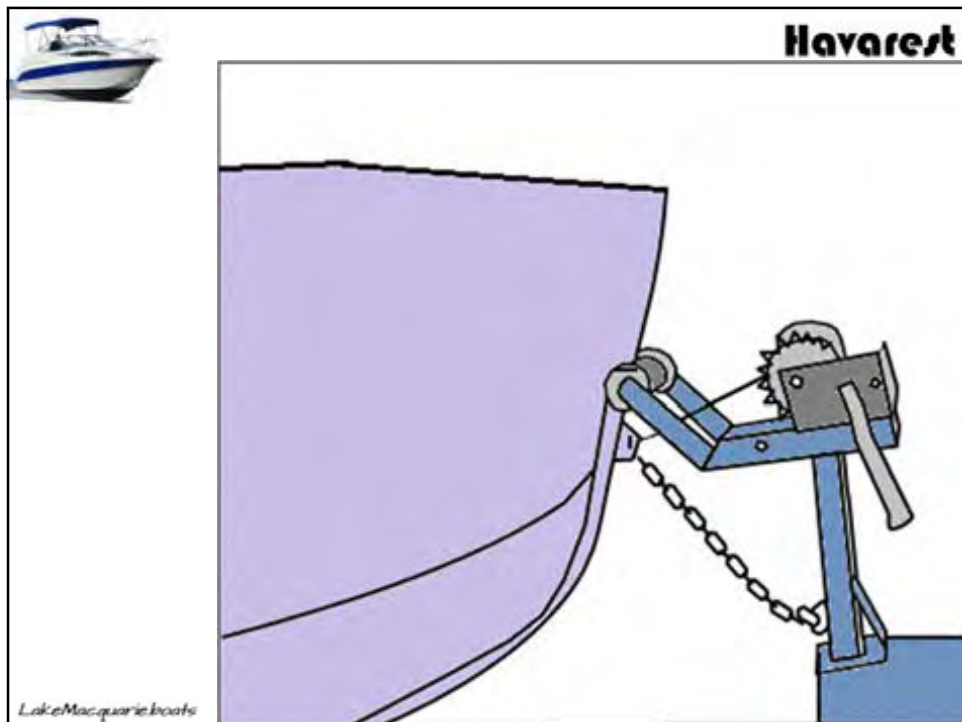


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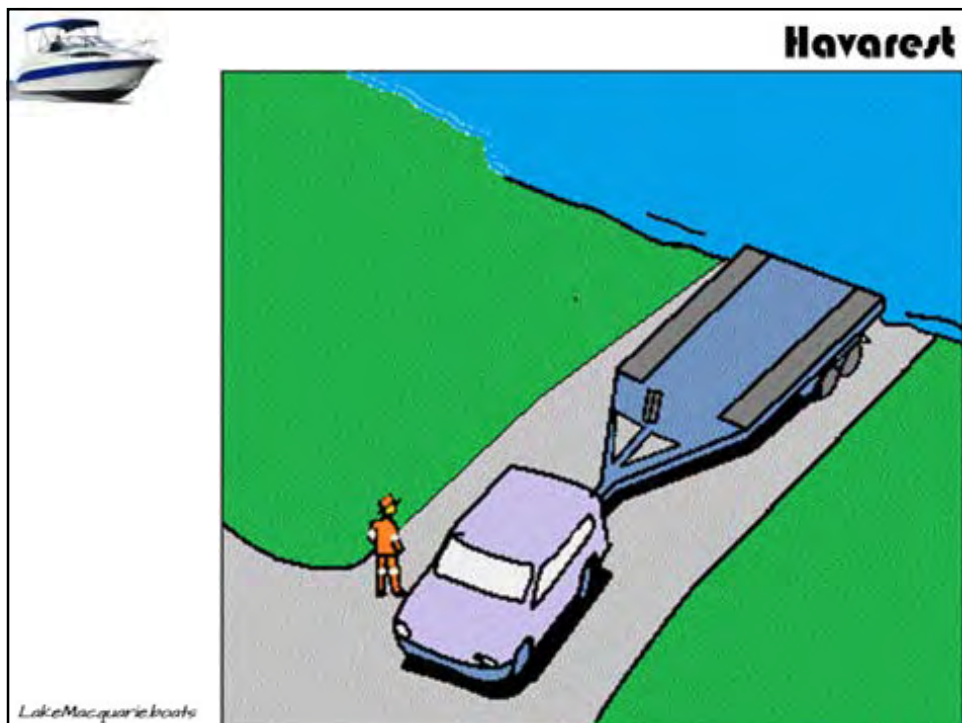


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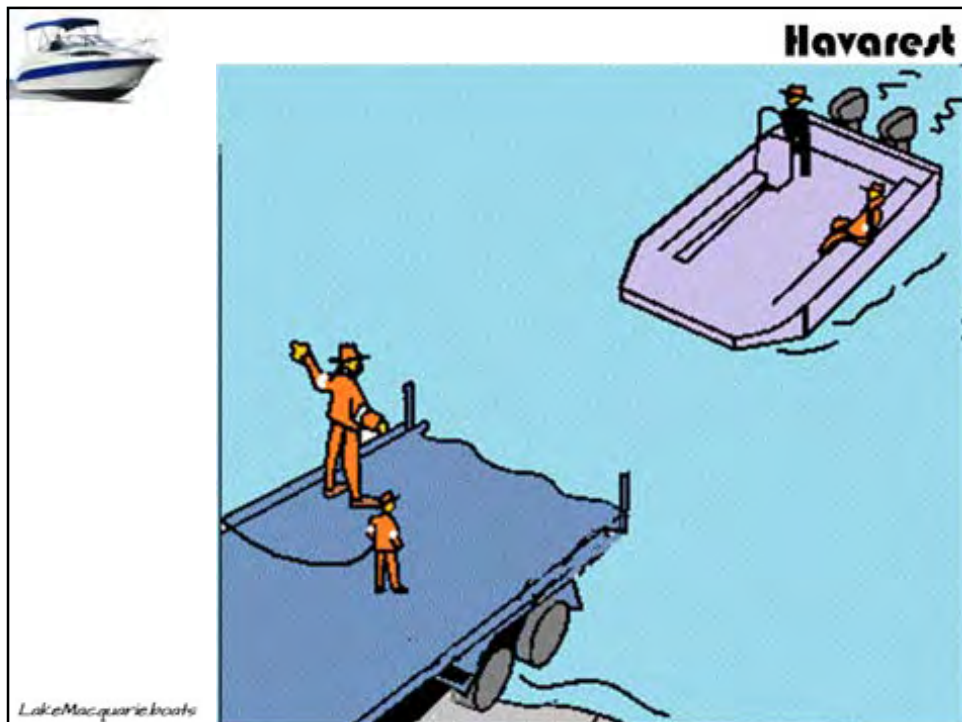


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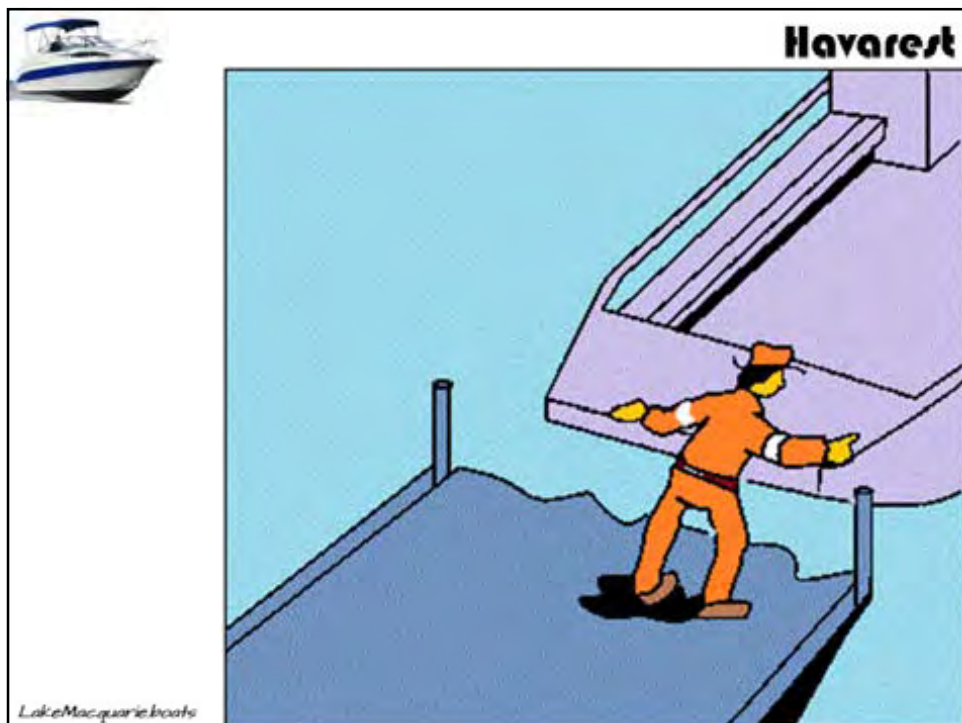


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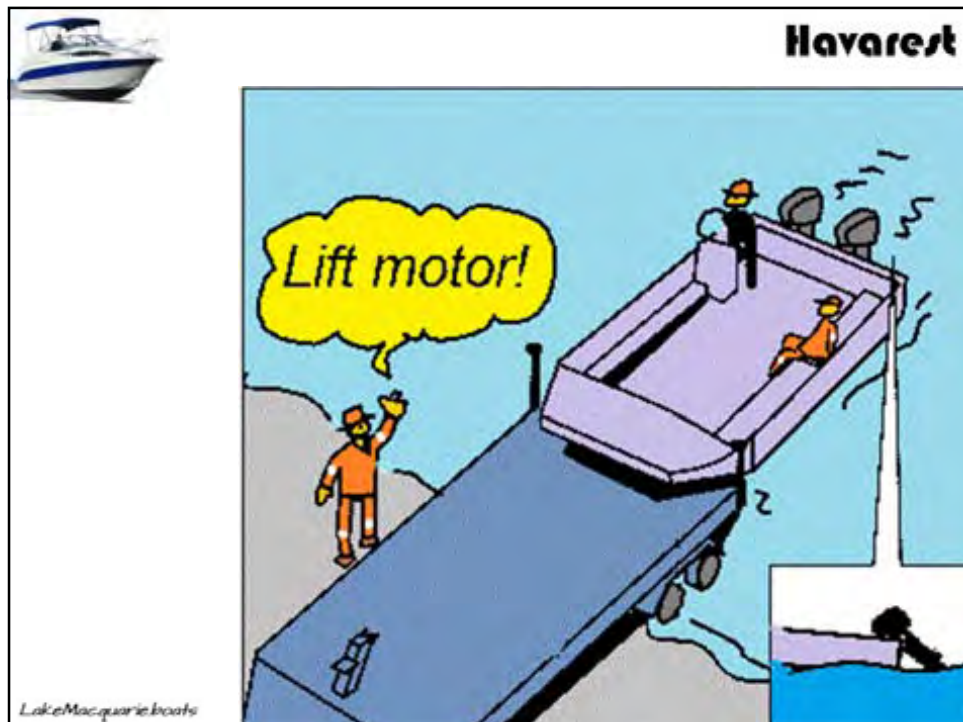


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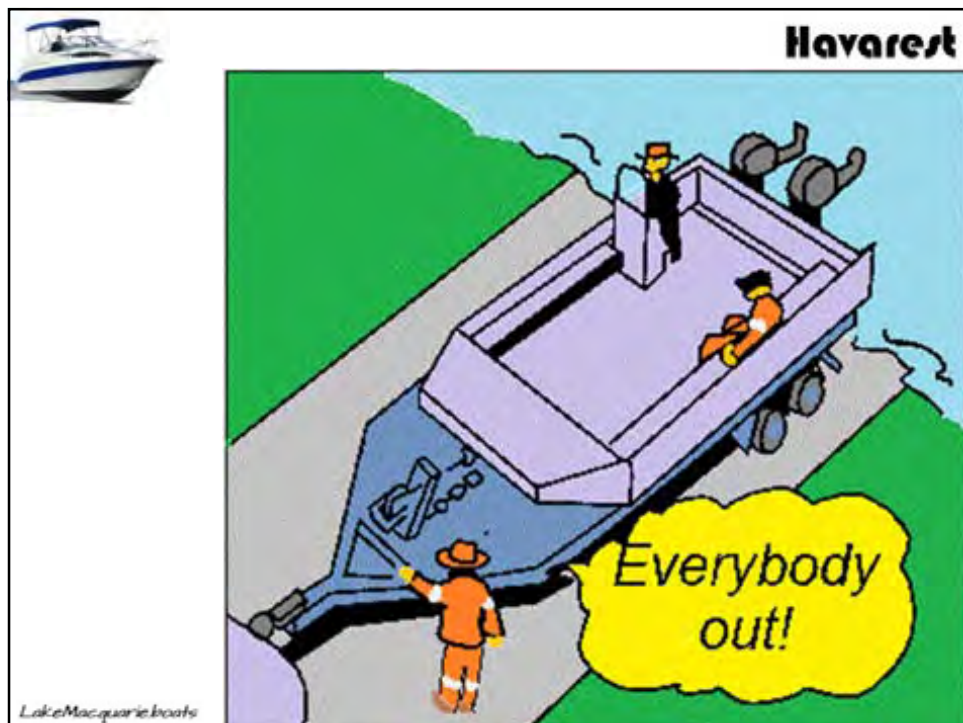


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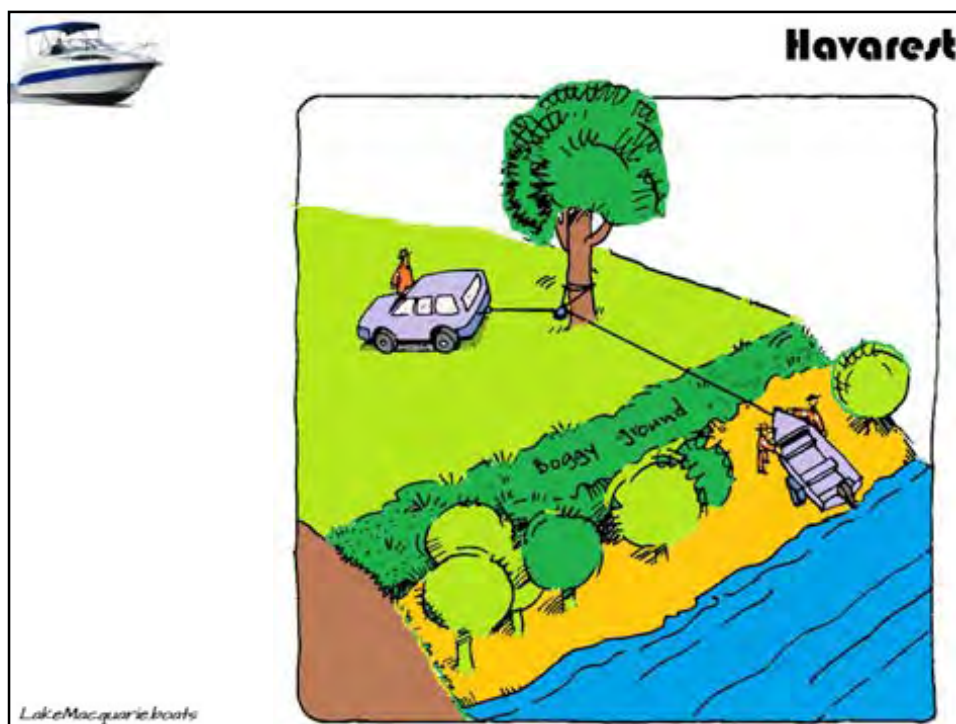


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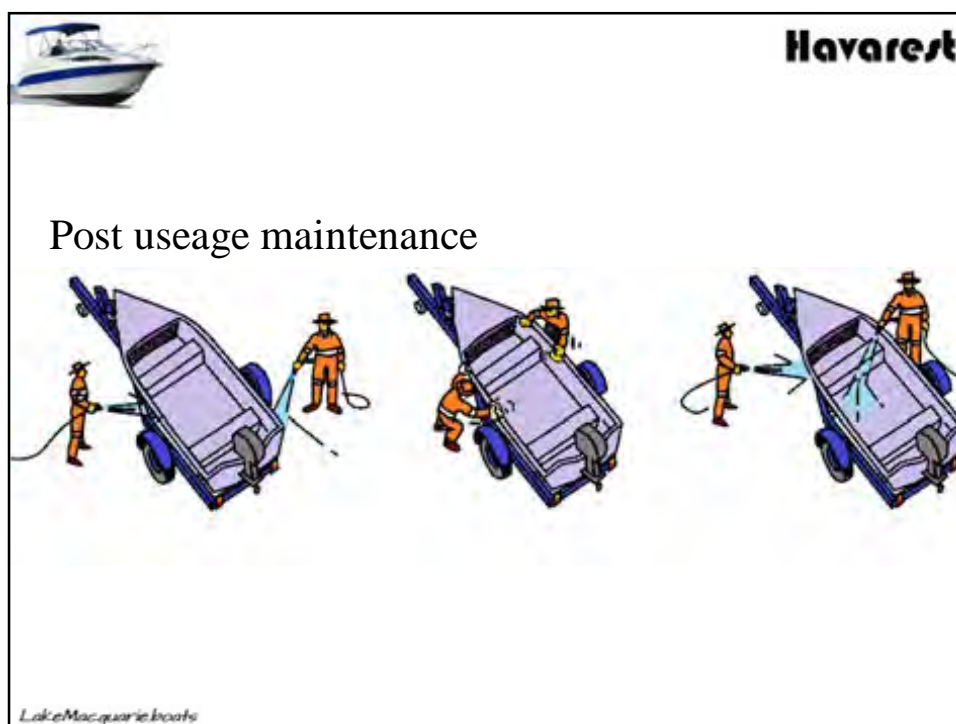


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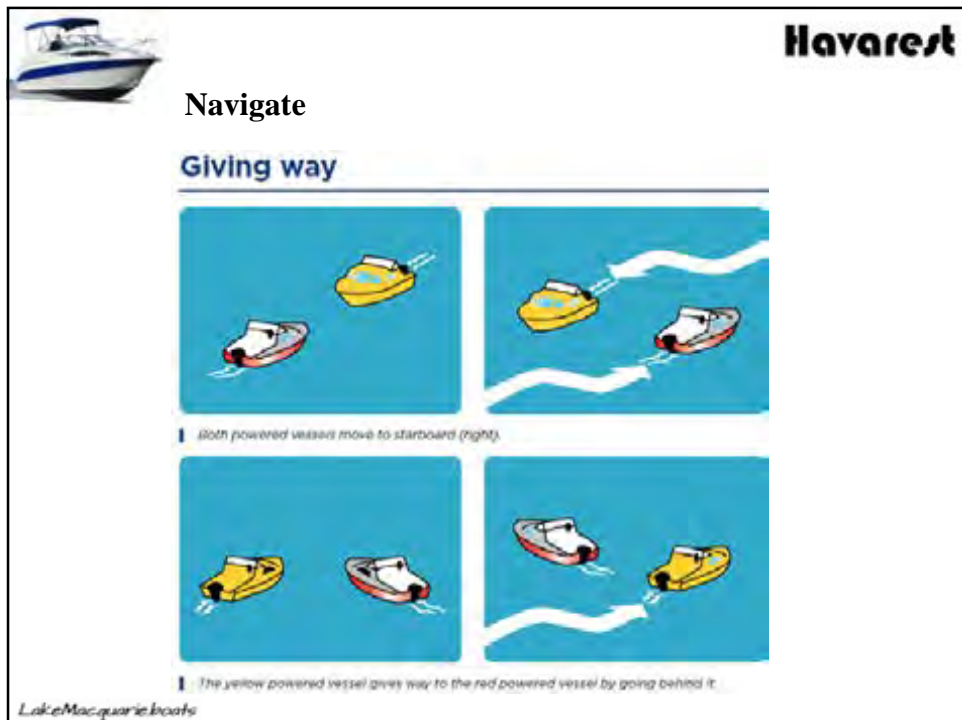


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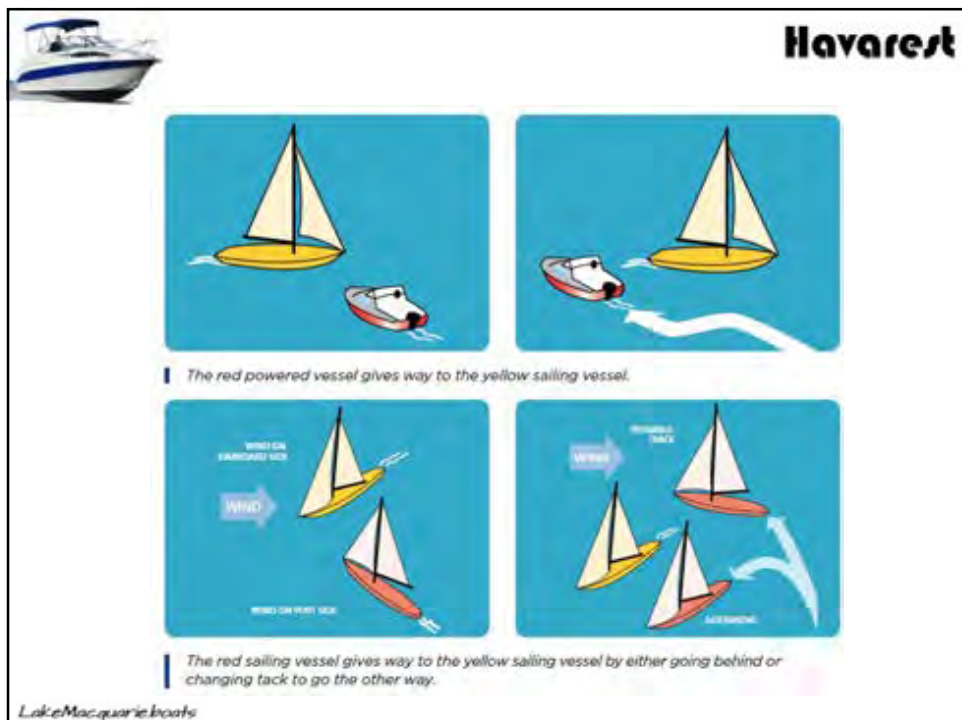


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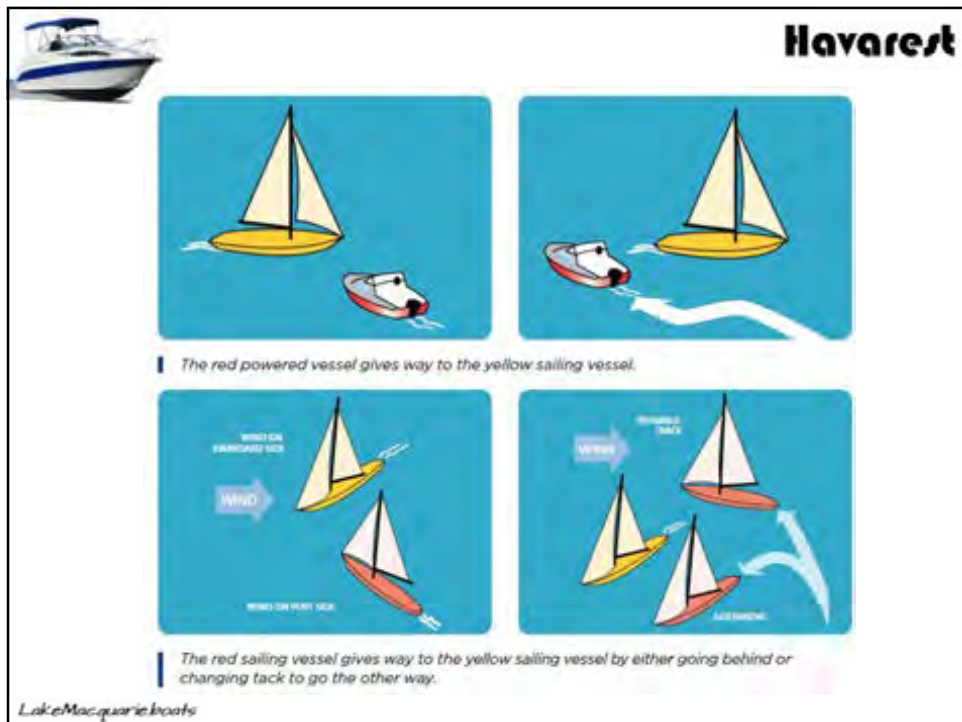


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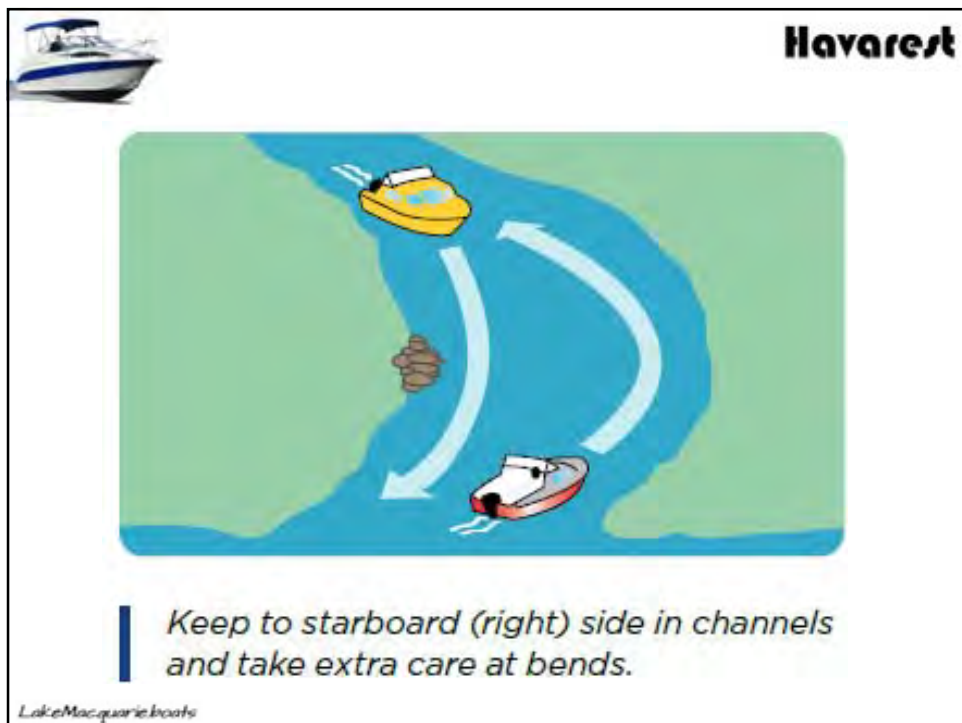


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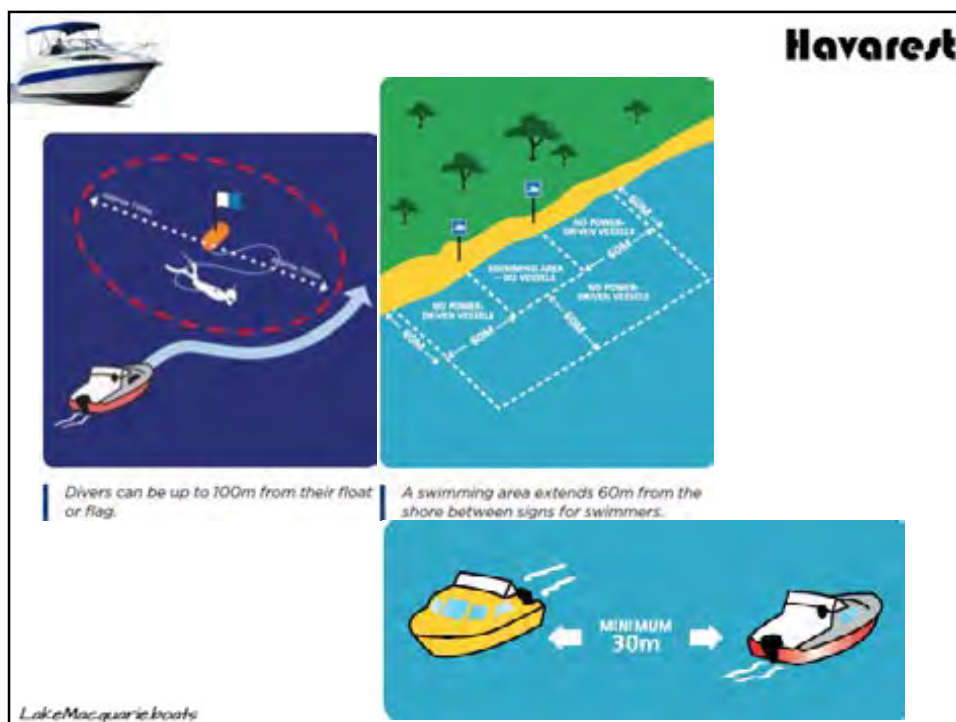


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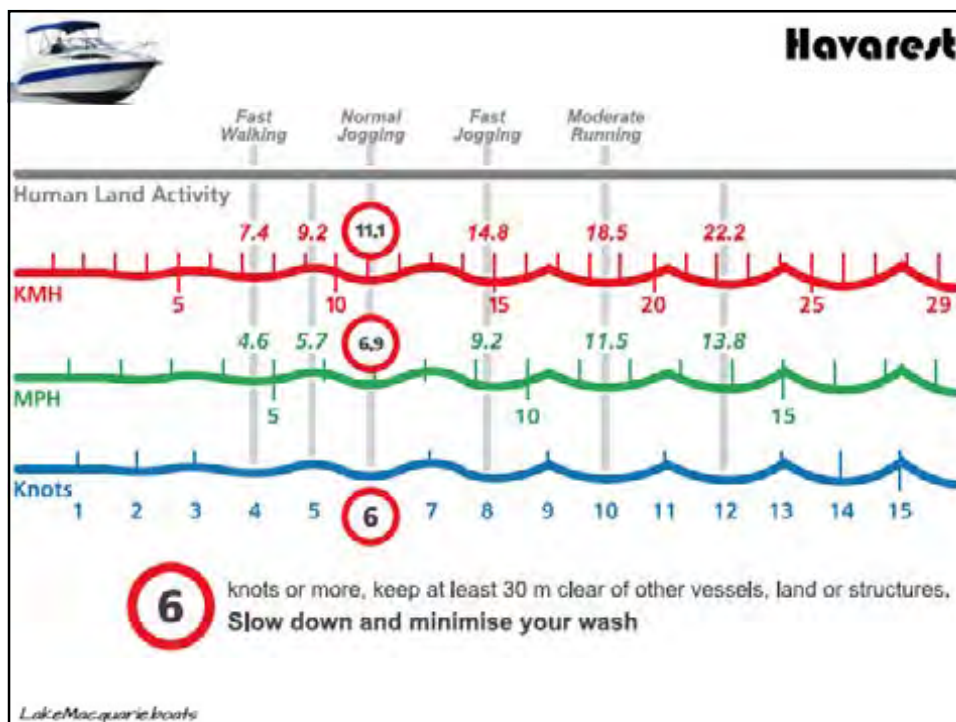


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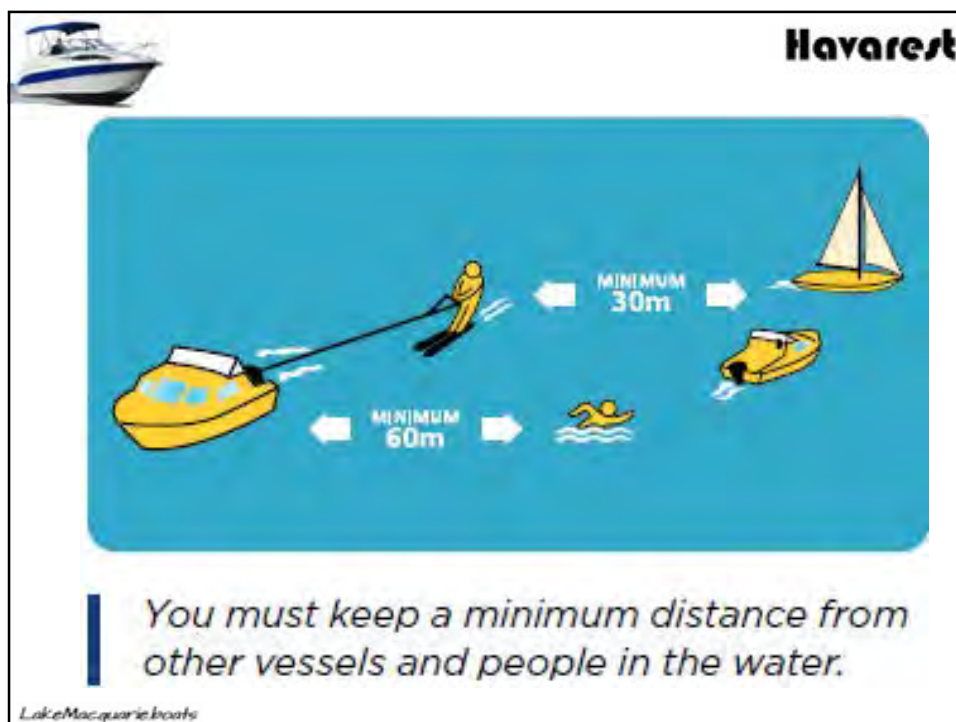


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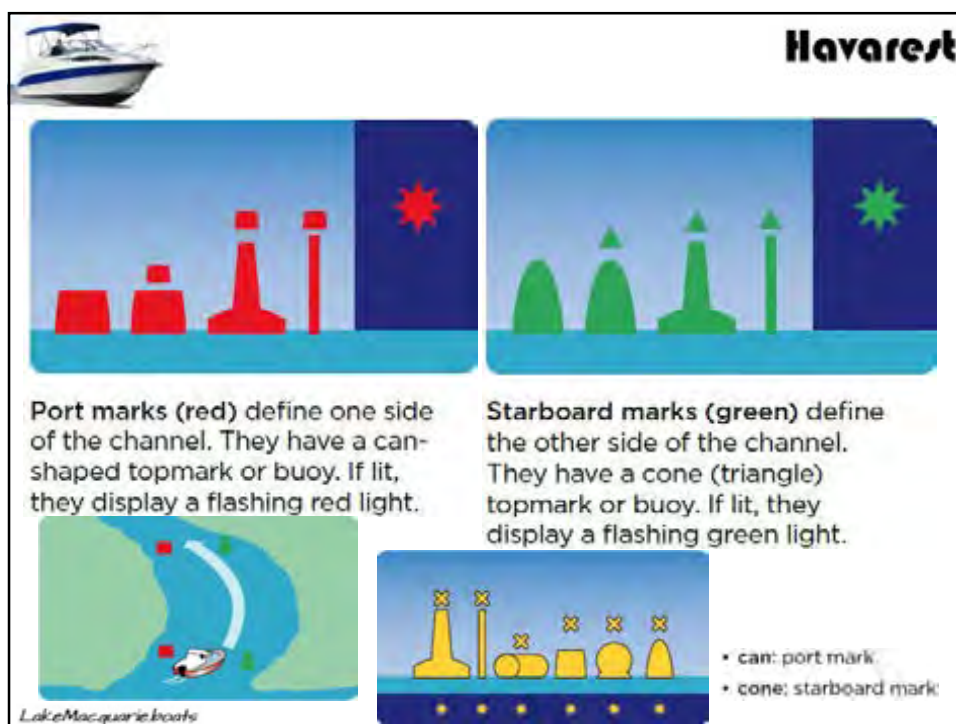


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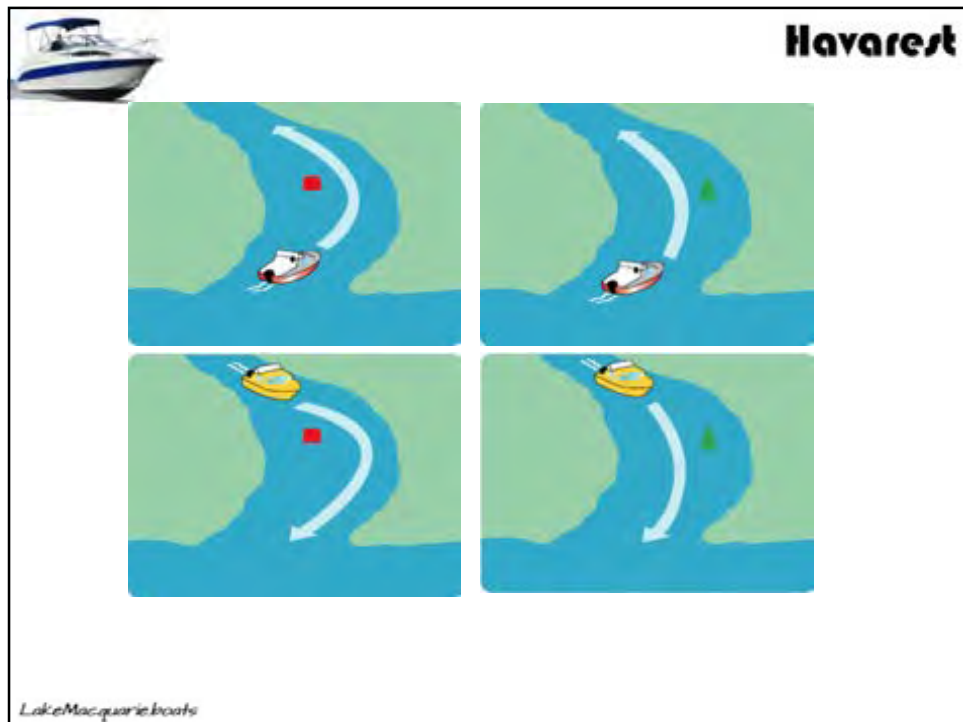


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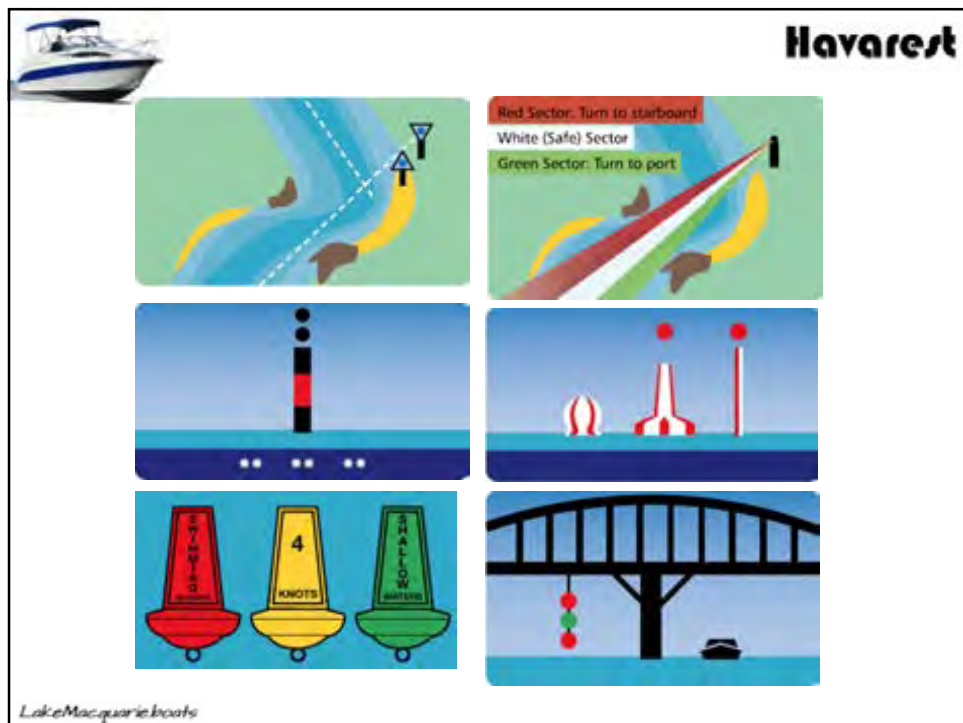


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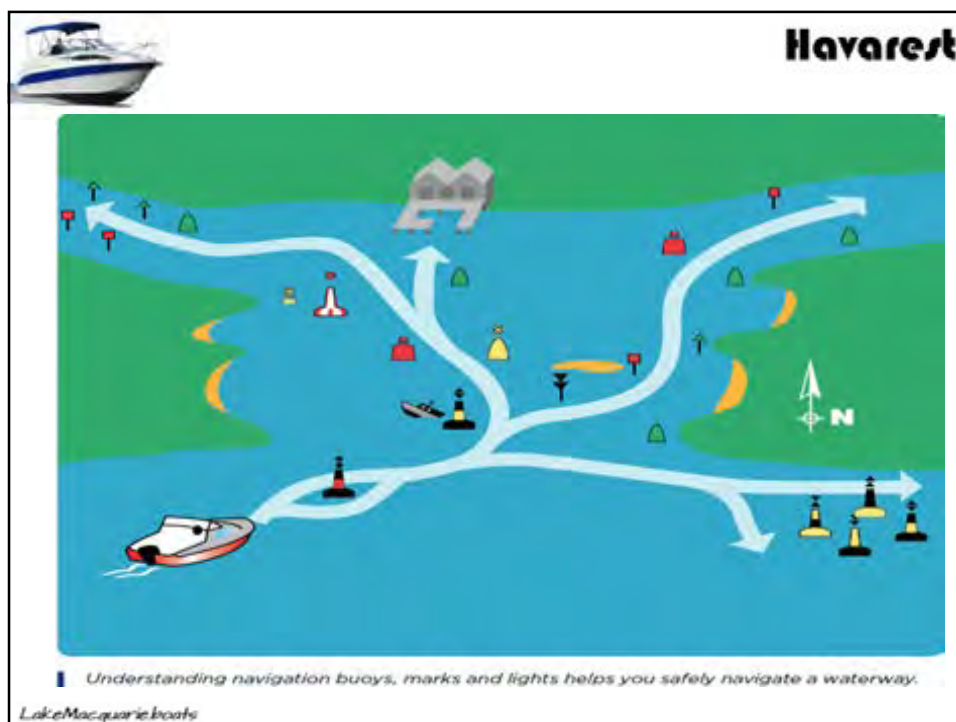


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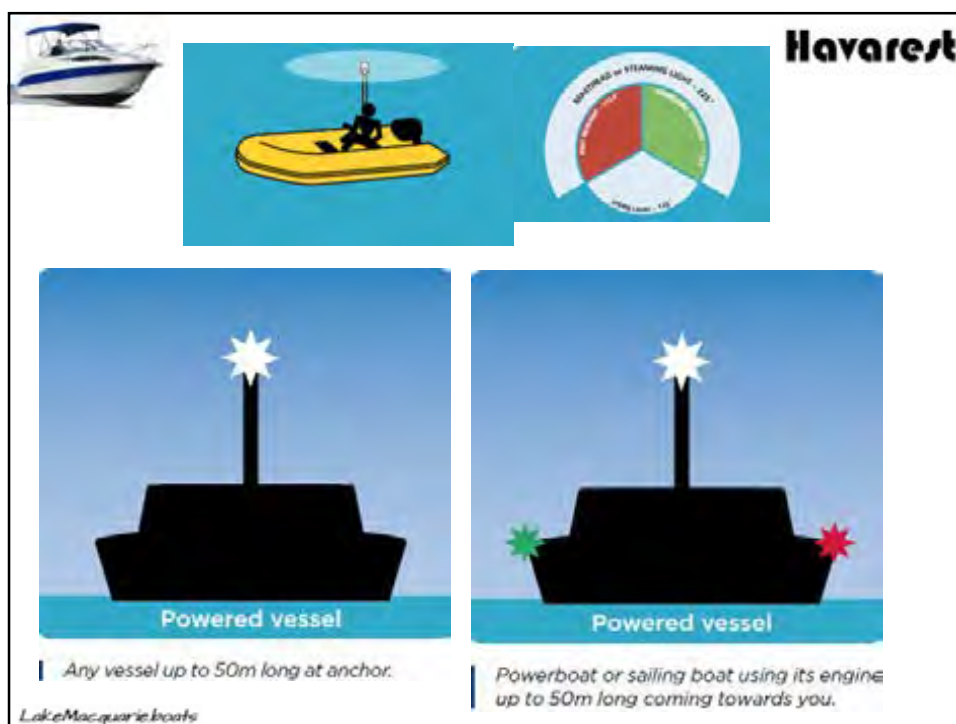


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Sound signals		Meaning
1 short blast	●	I'm altering course to starboard (right)
2 short blasts	● ●	I'm altering course to port (left)
3 short blasts	● ● ●	I'm operating engines astern (stopping, slowing or reversing)
5 short blasts	● ● ● ● ●	I'm unsure of your intentions and I doubt whether you're taking sufficient action to avoid collision.
1 long blast	▬	I'm nearing a blind bend and you might not be able to see me.

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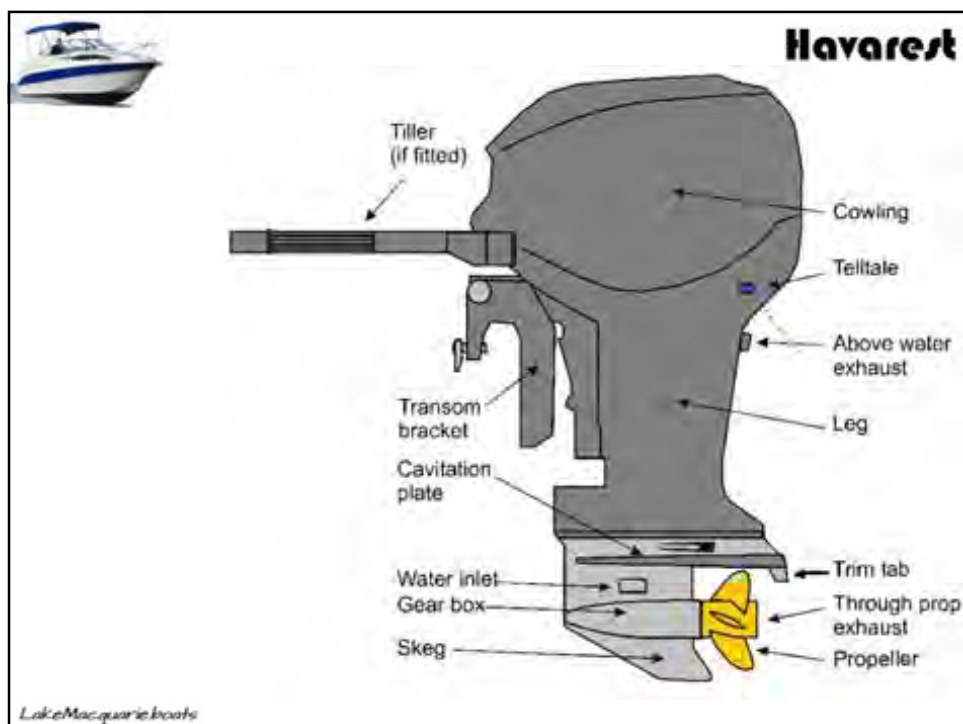
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BASICS

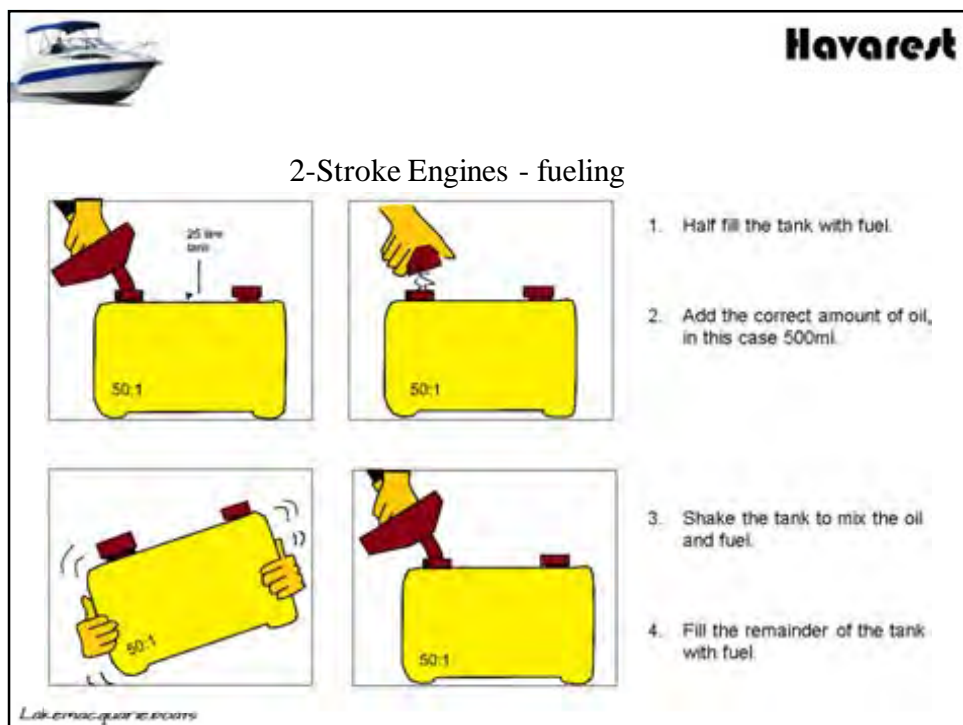
Outboard motor

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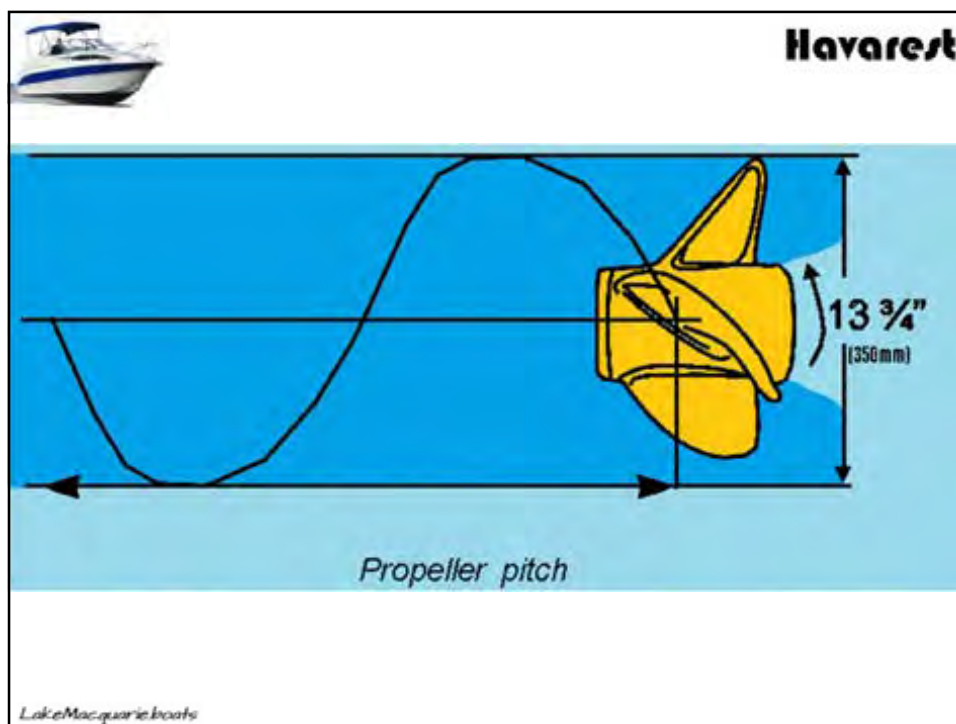


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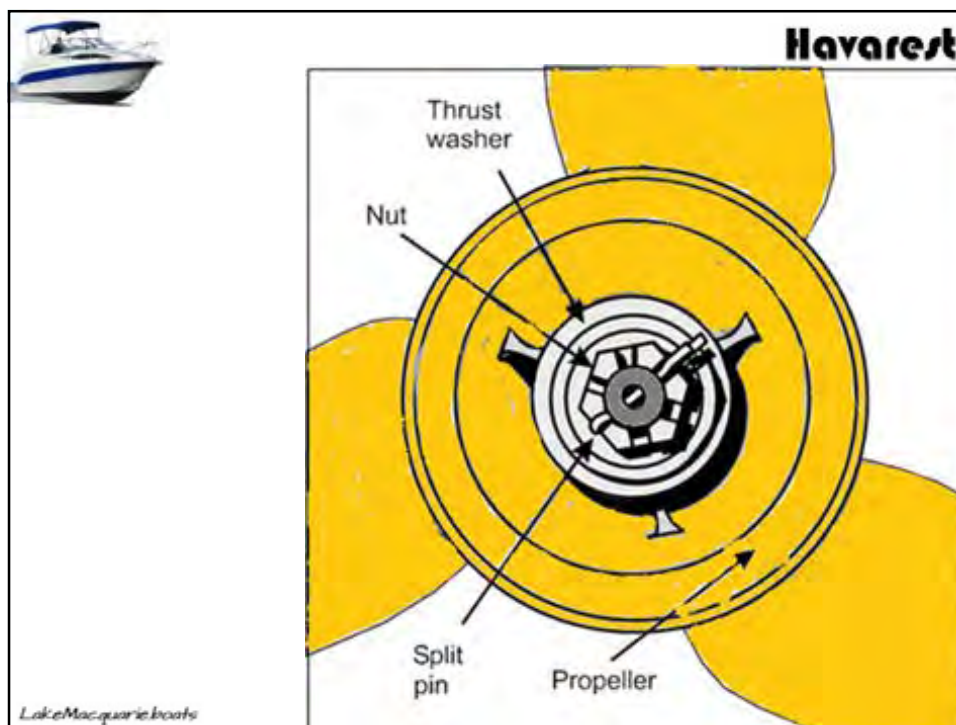


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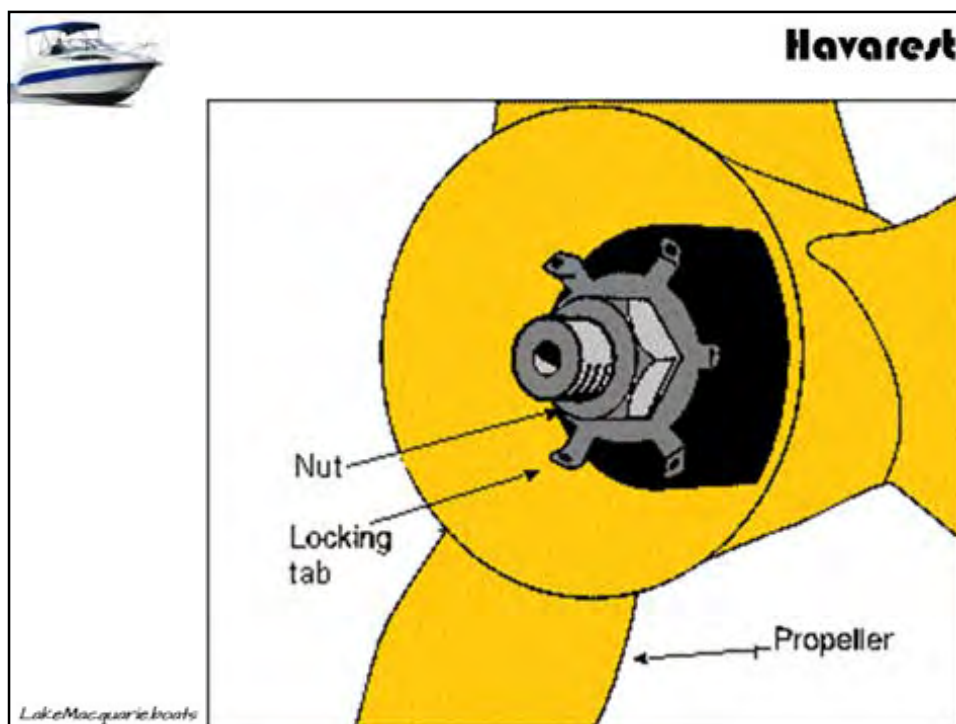


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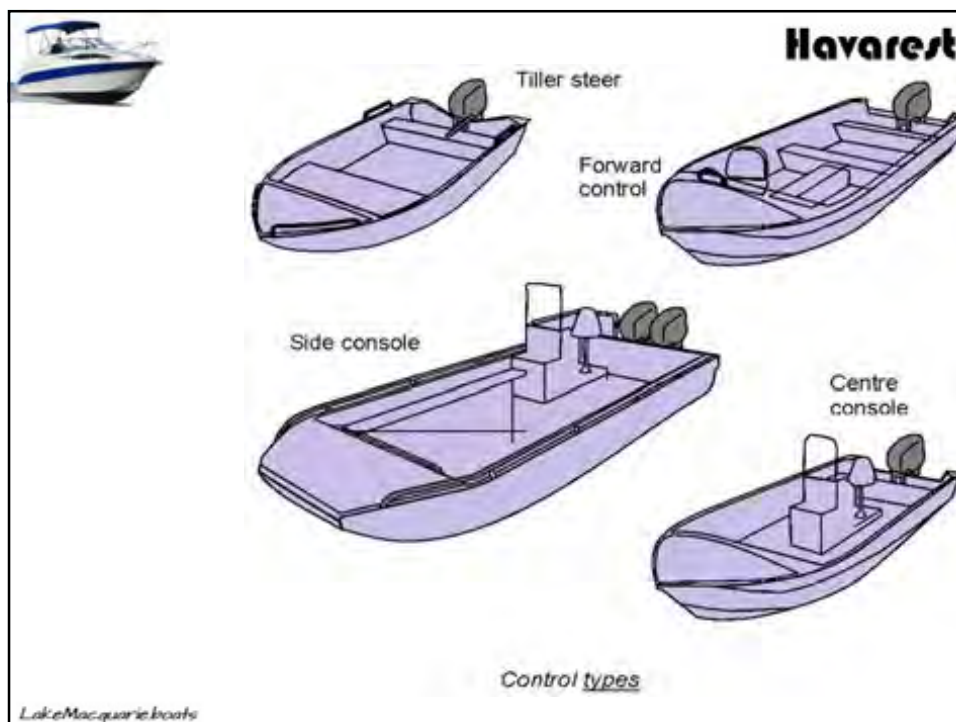


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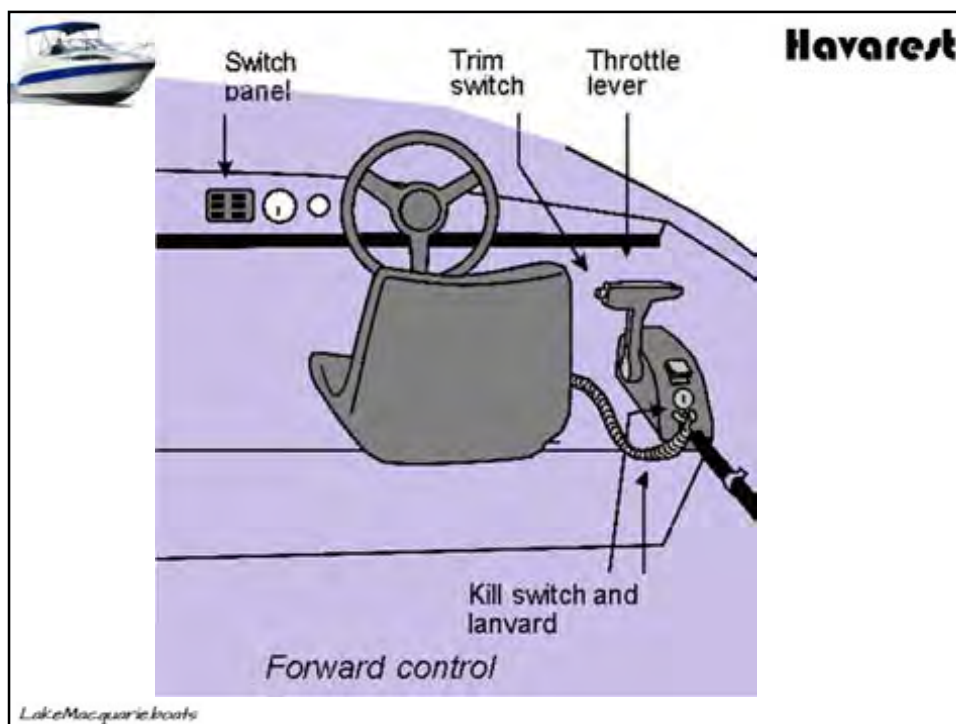


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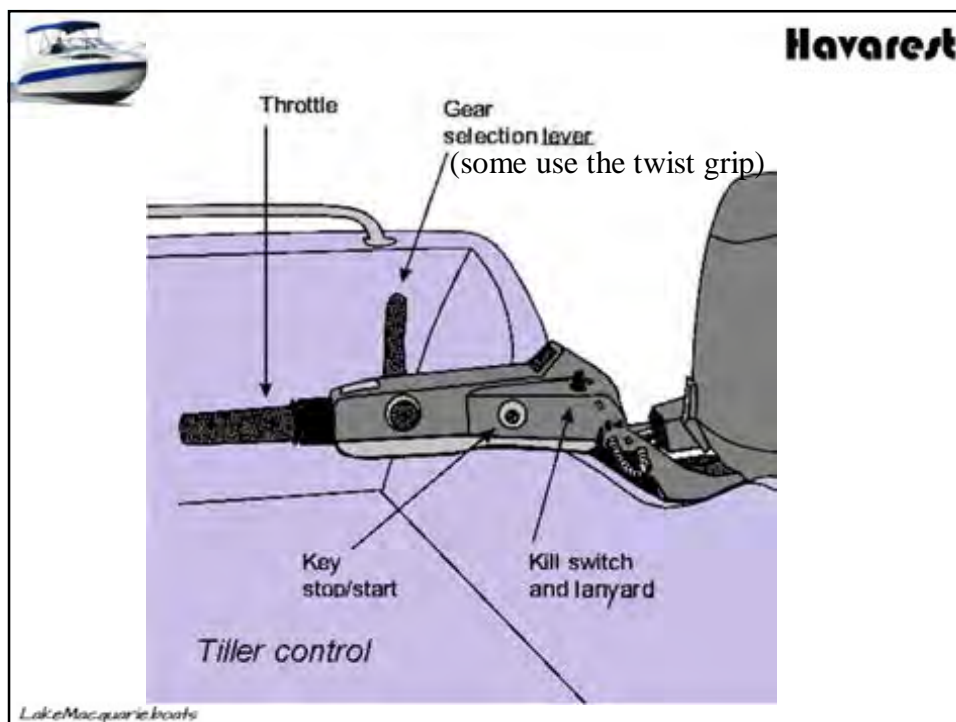


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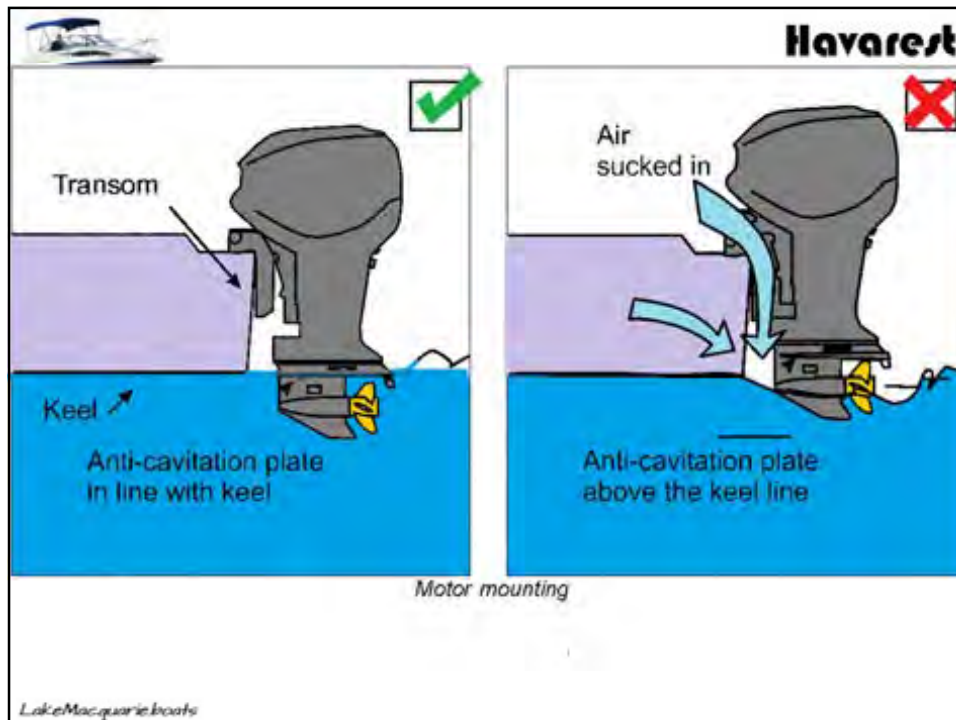


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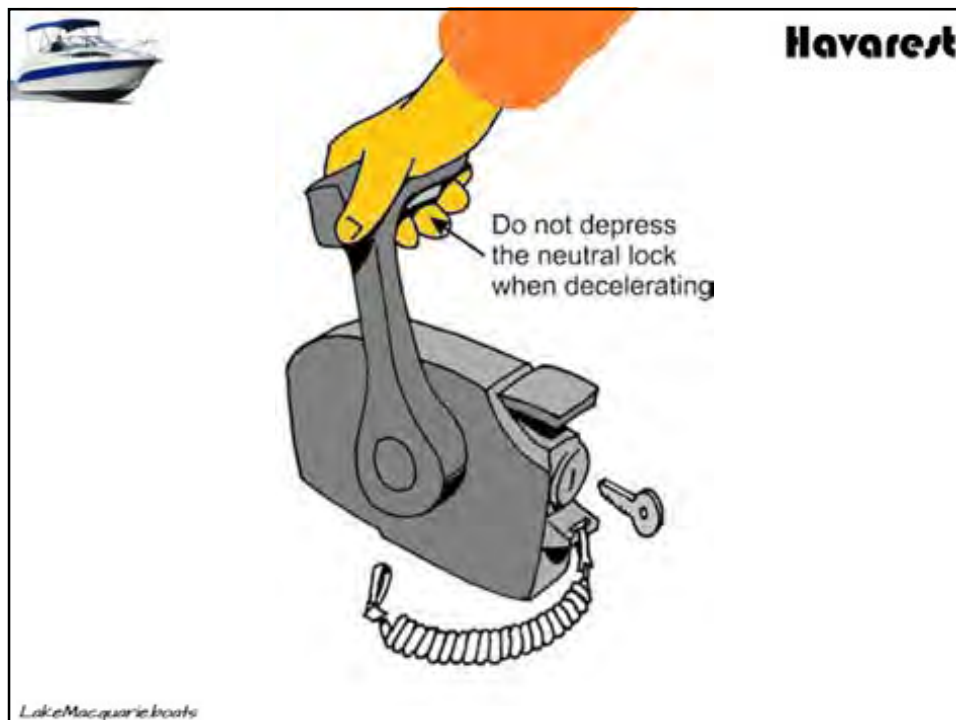


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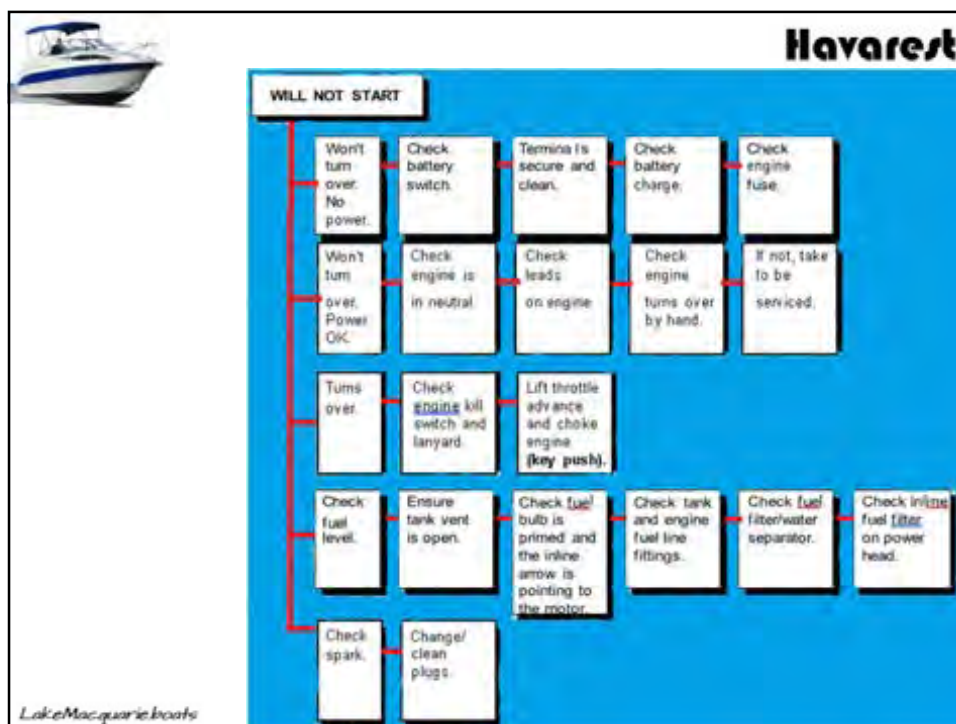


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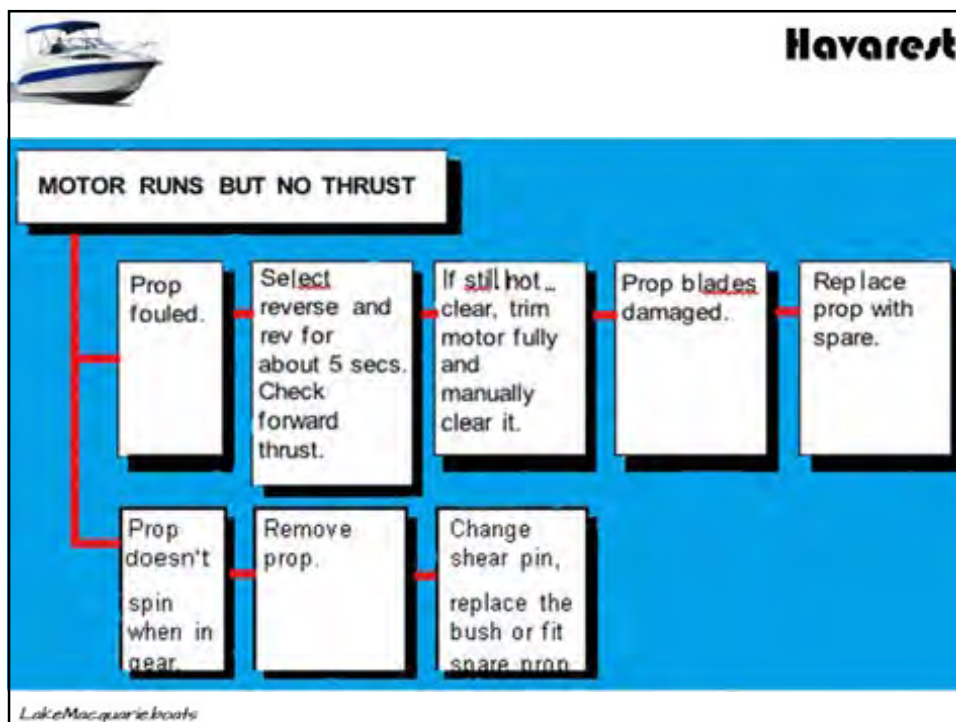


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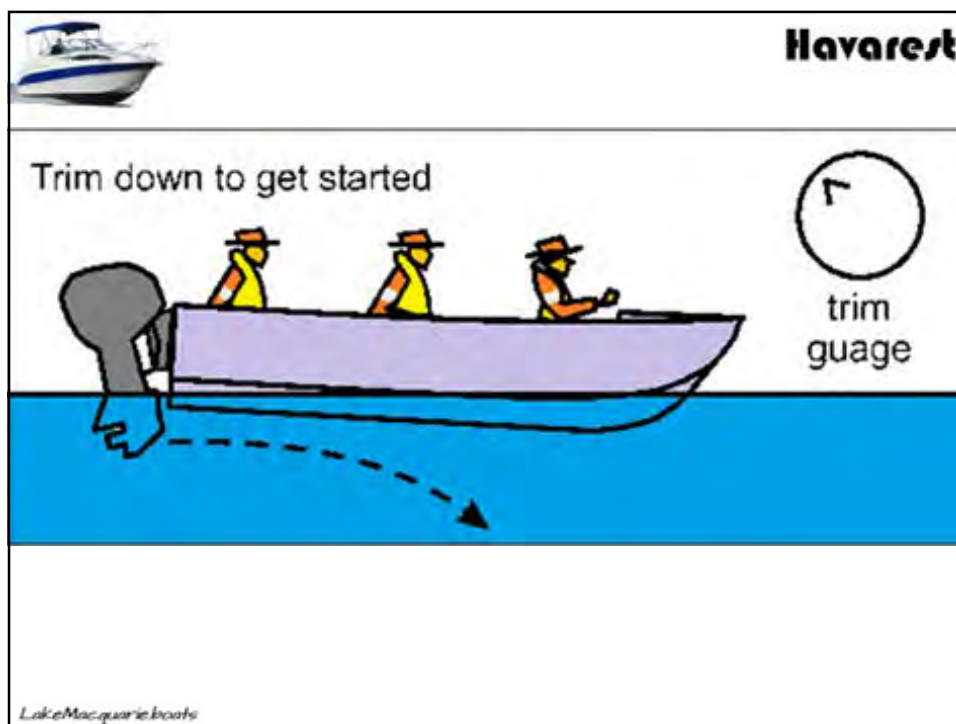


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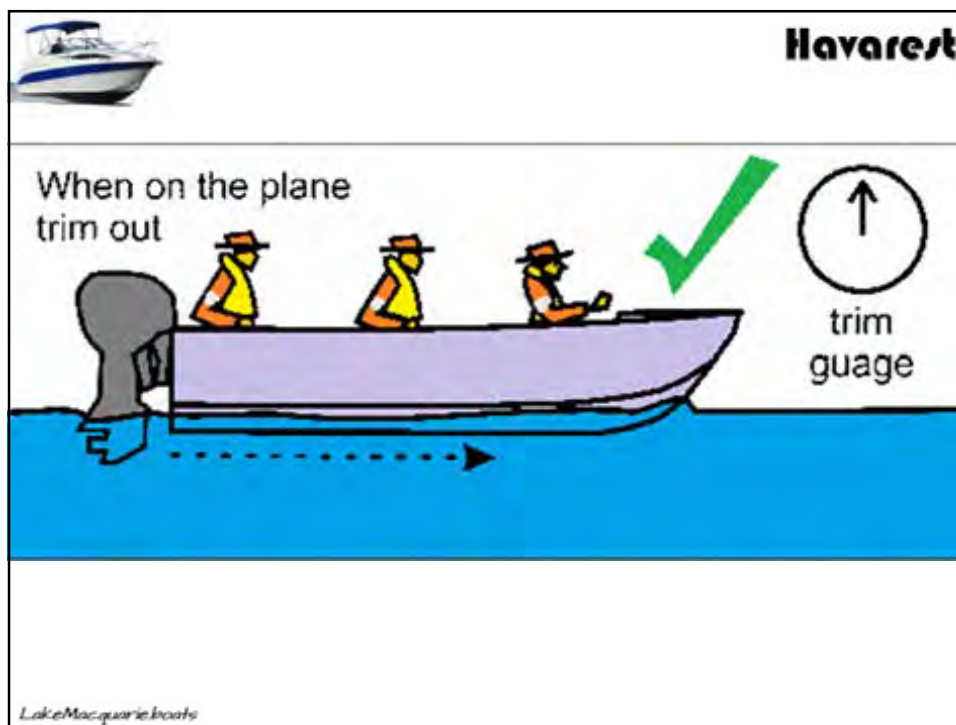


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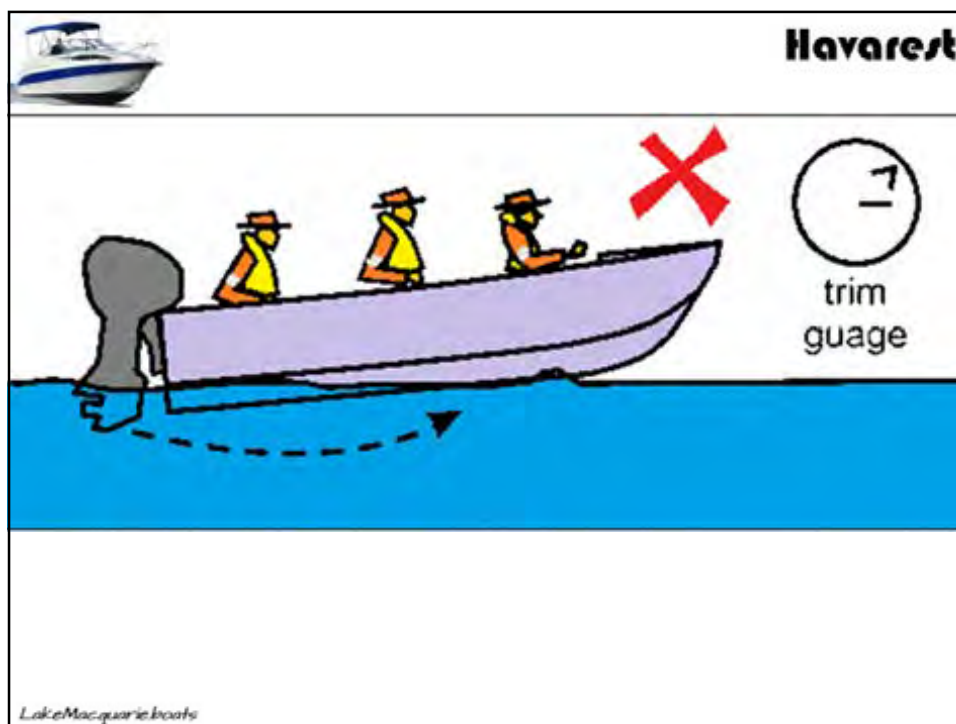


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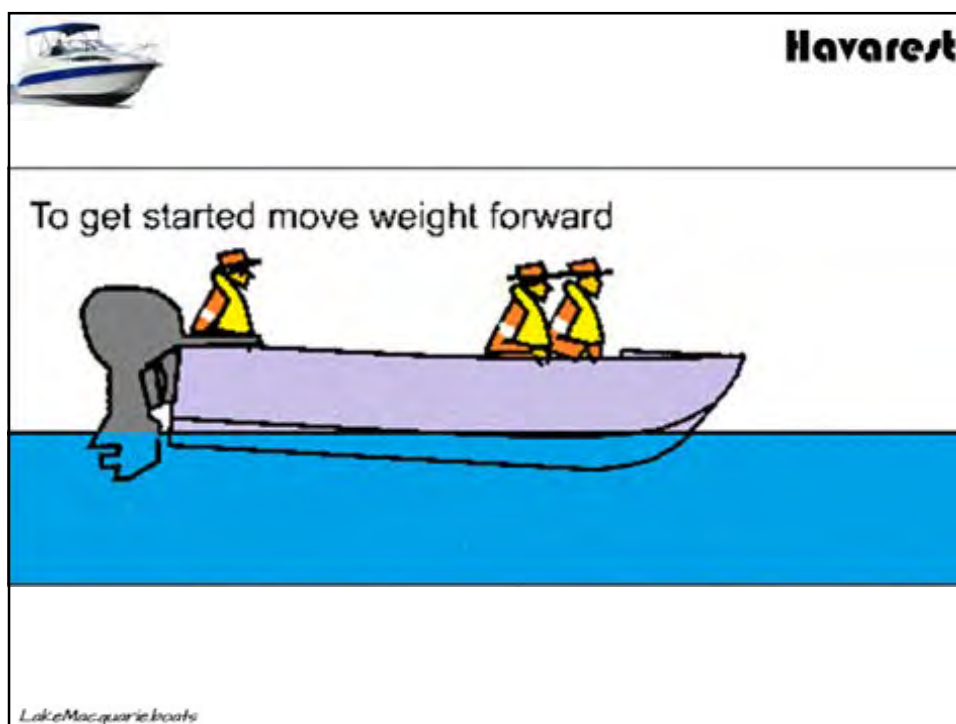


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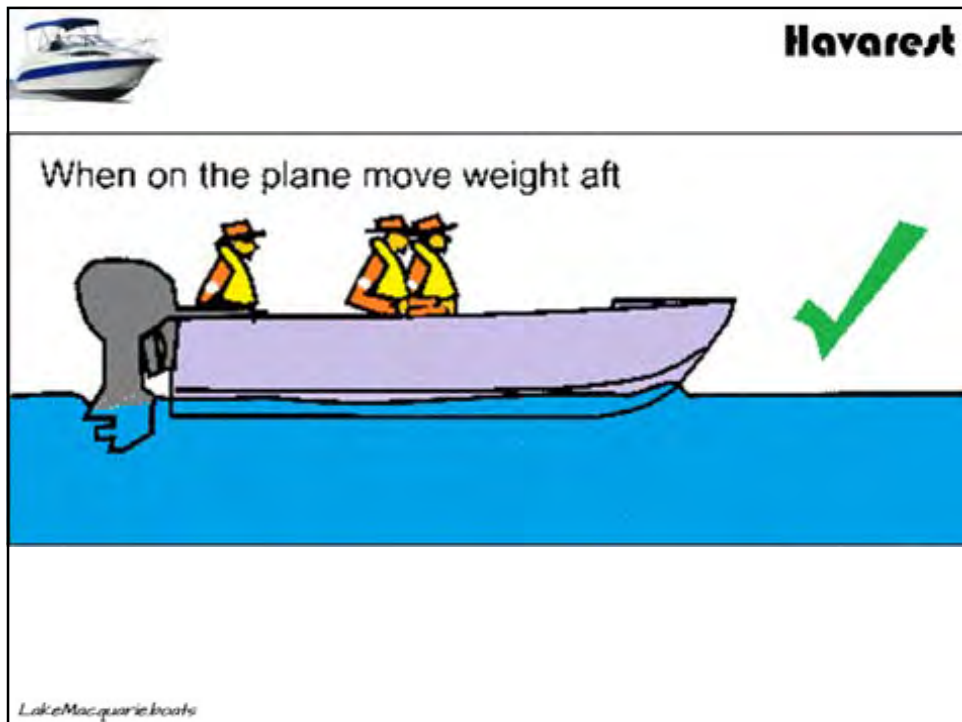


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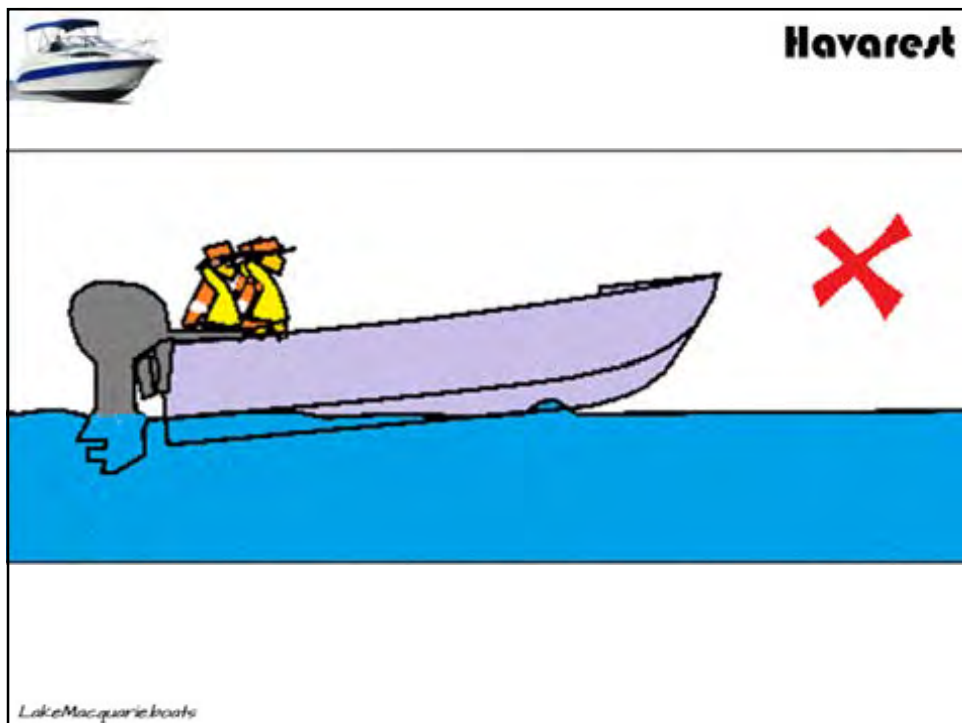


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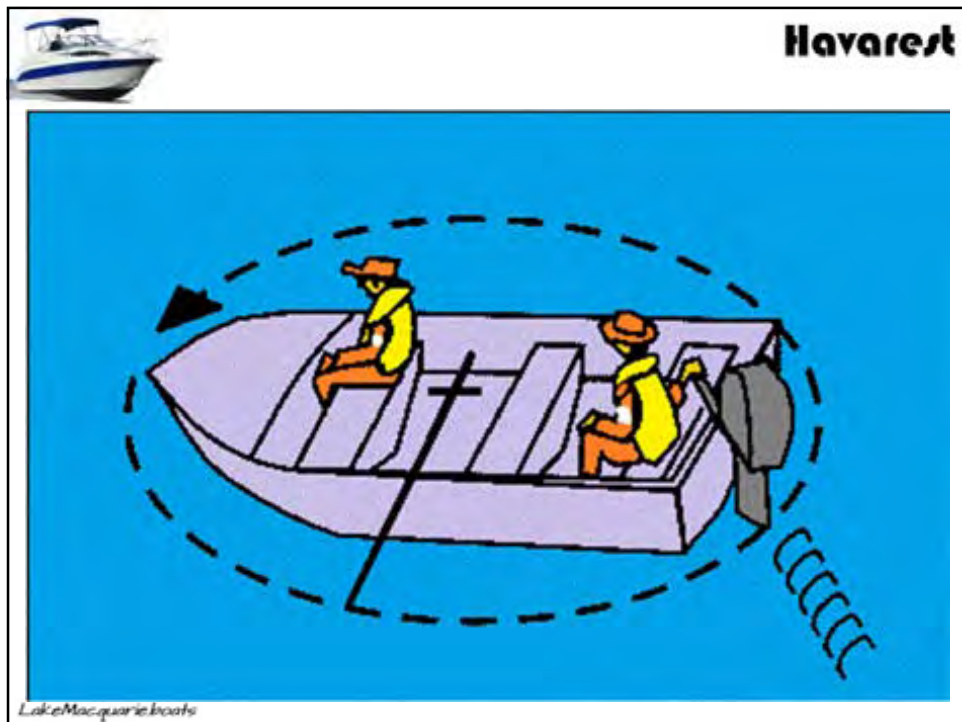


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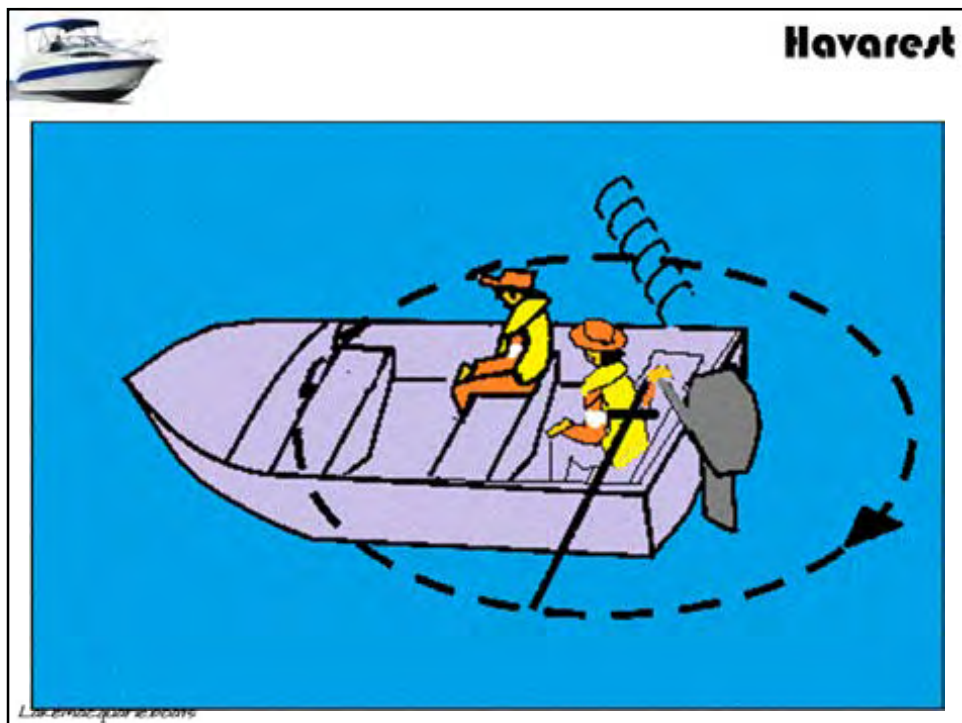


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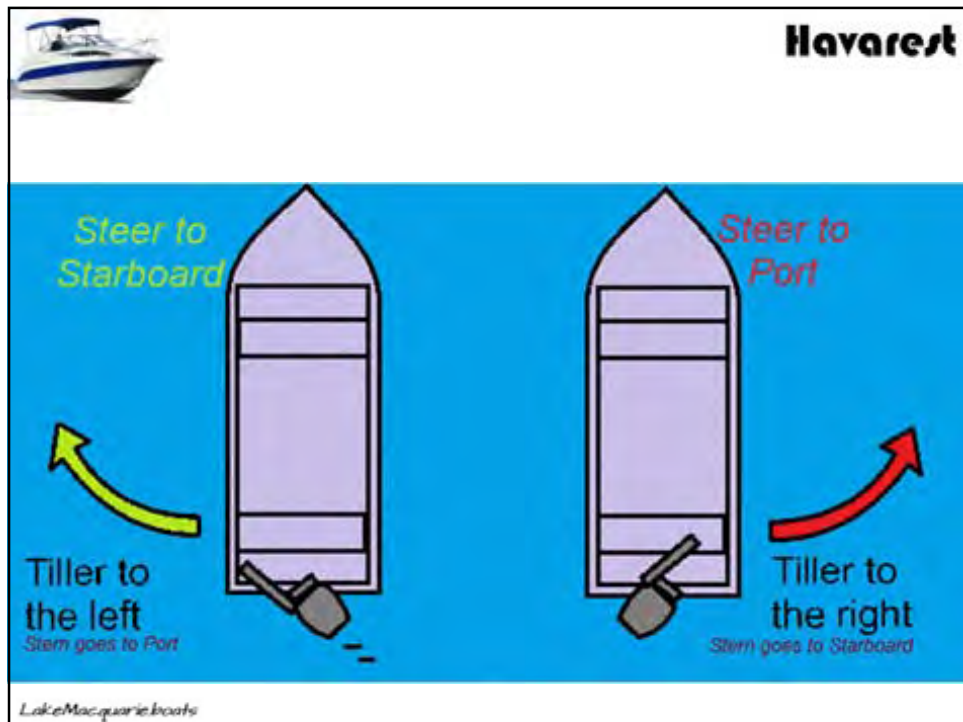


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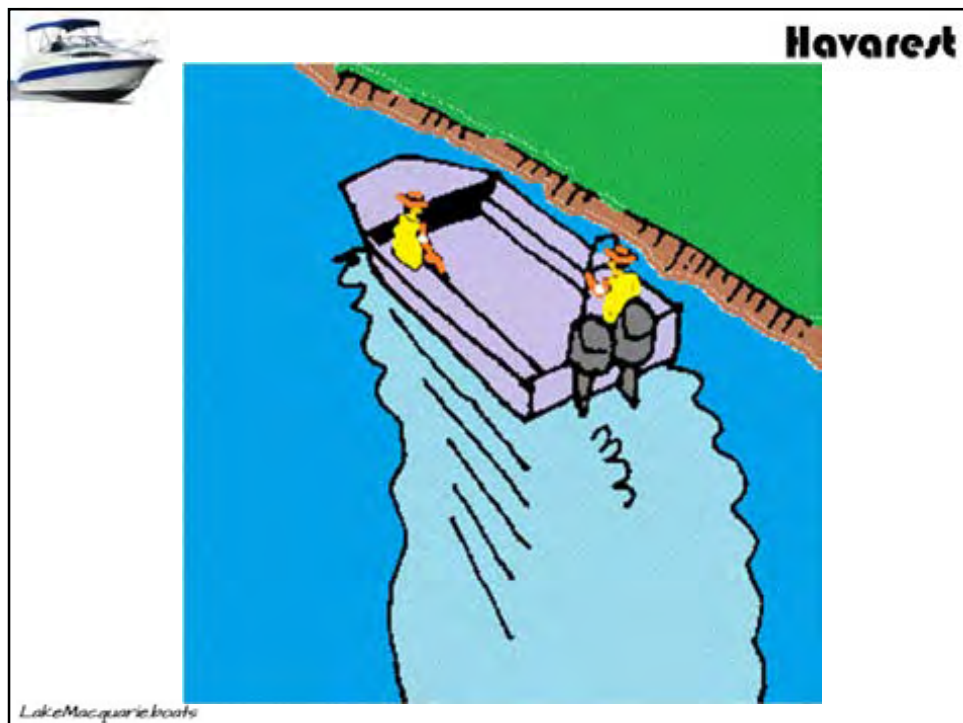


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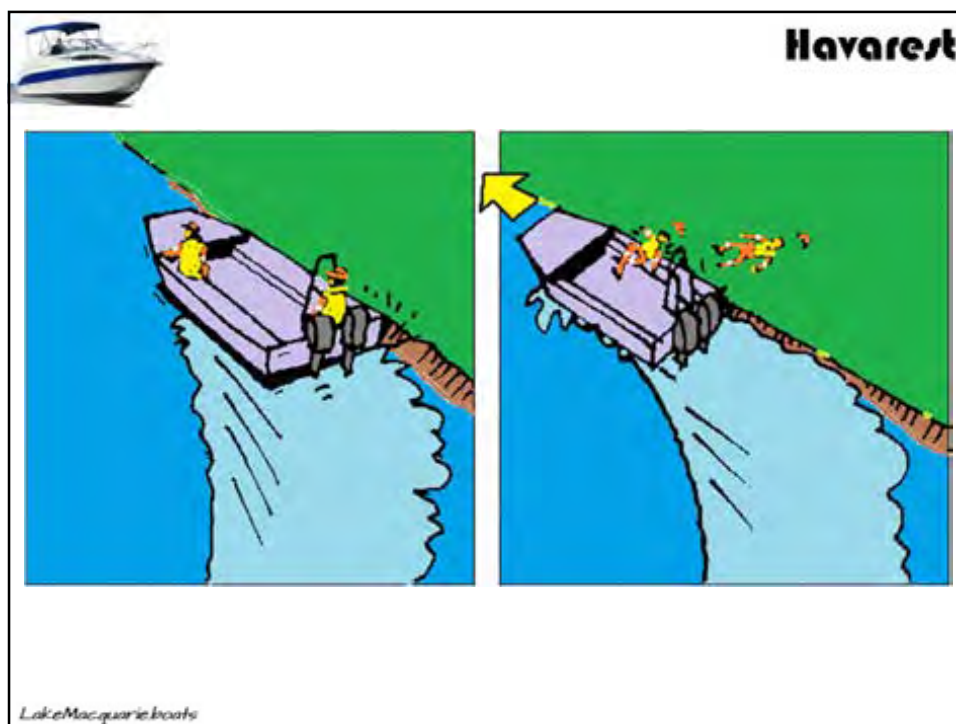


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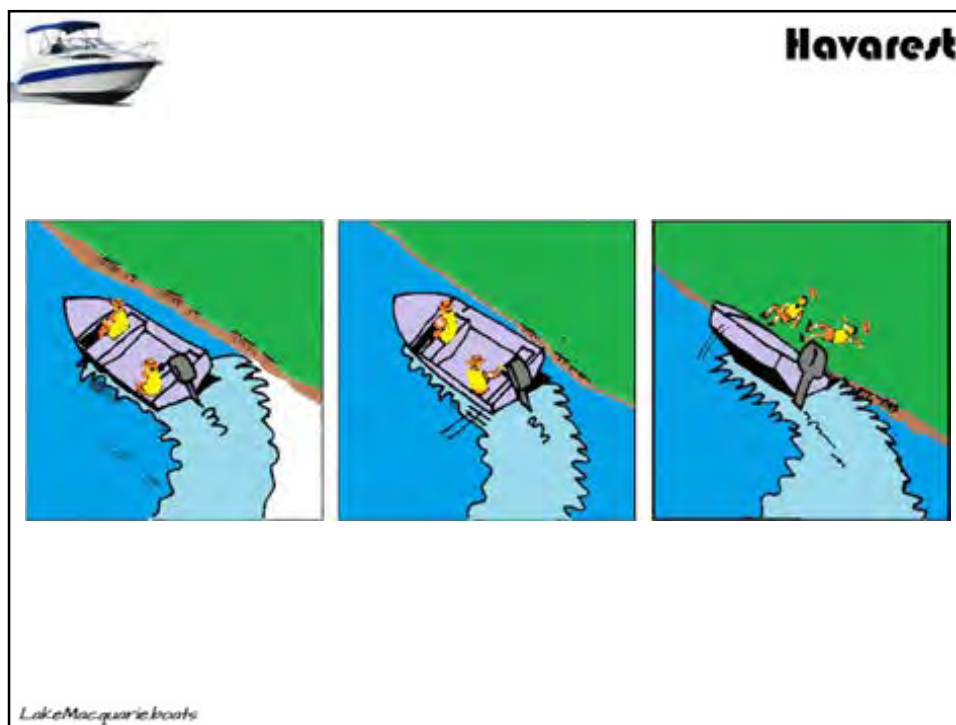


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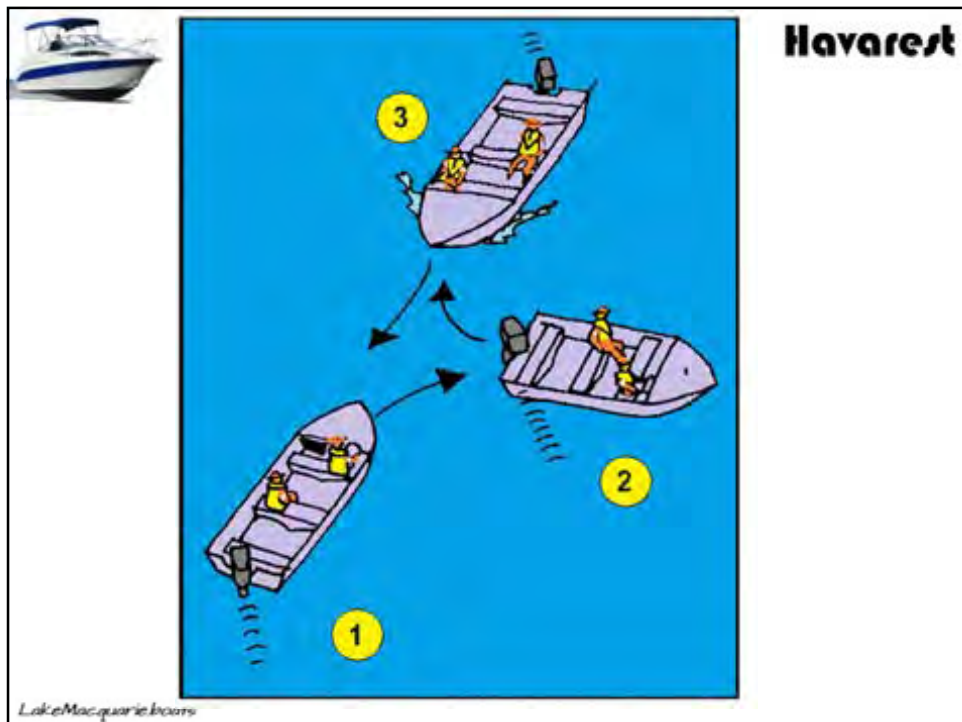


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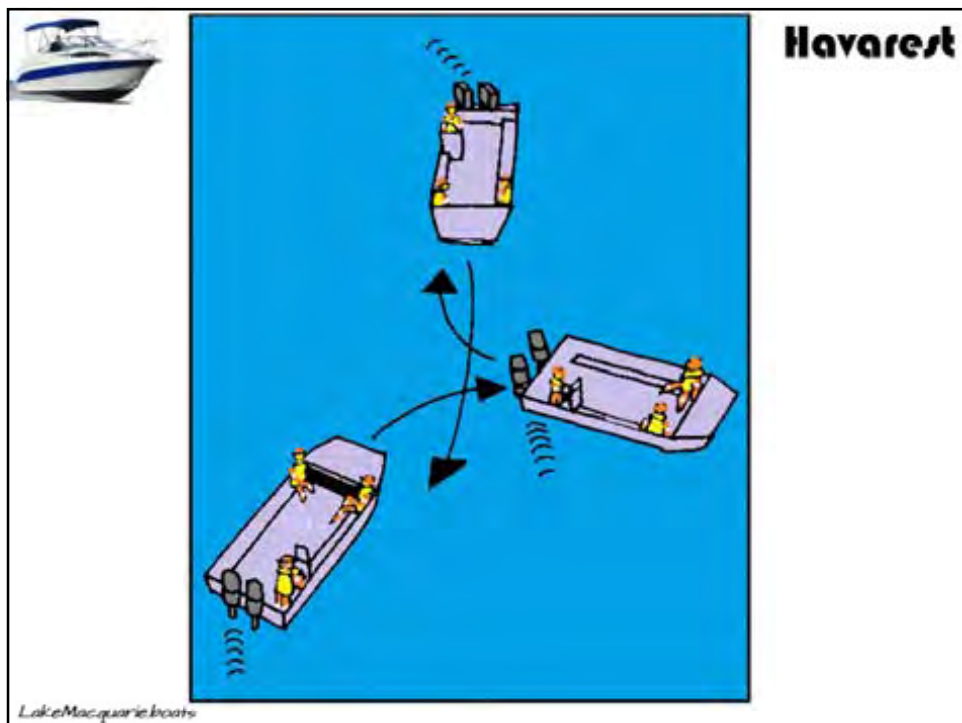


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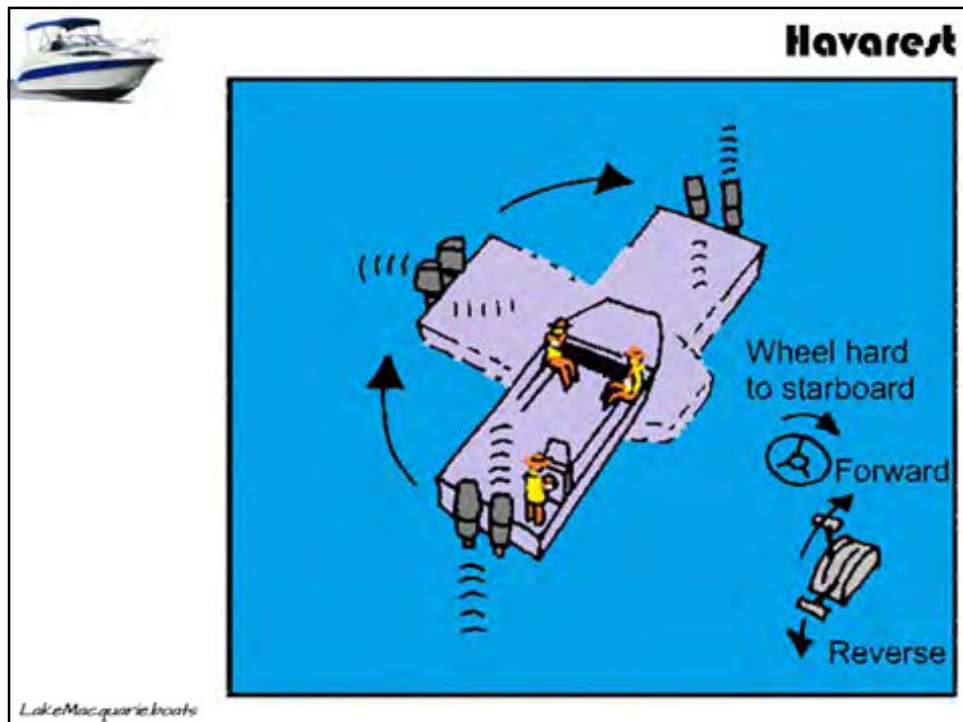


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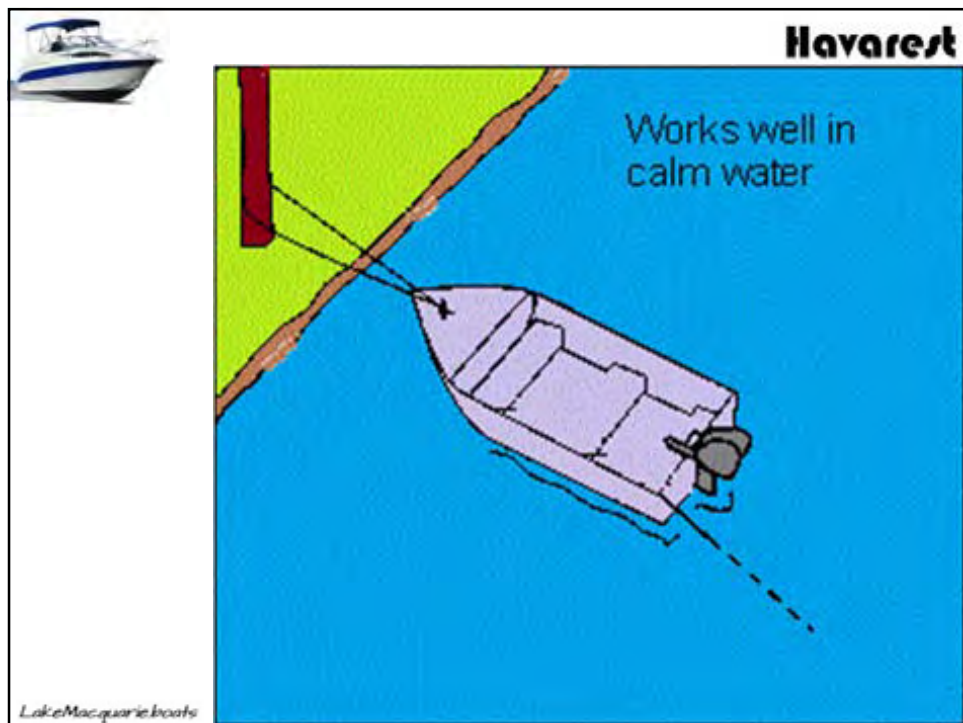


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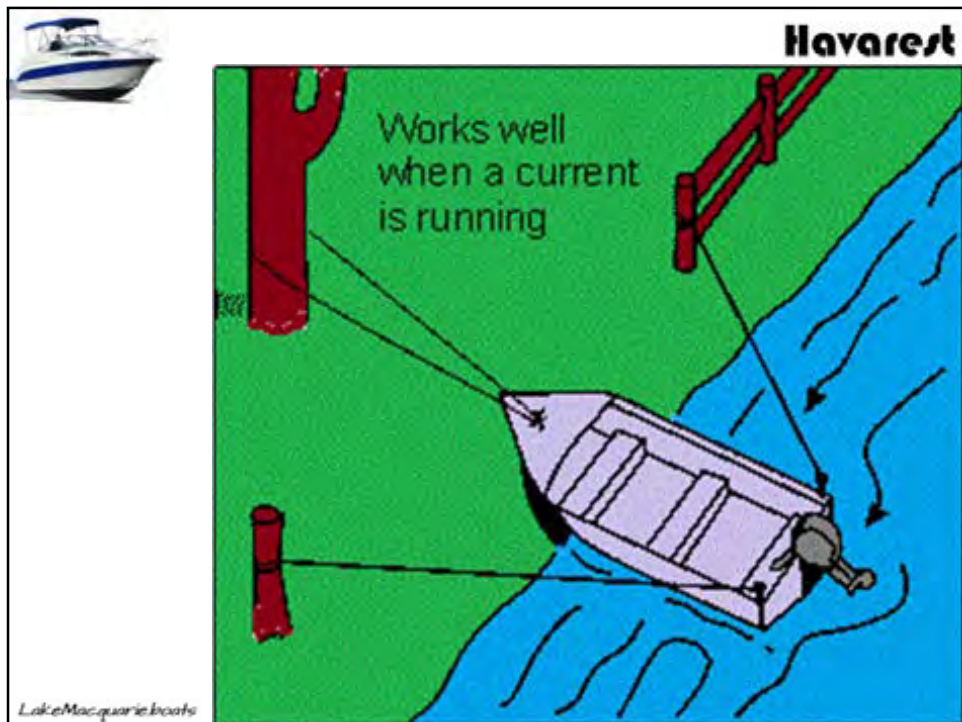


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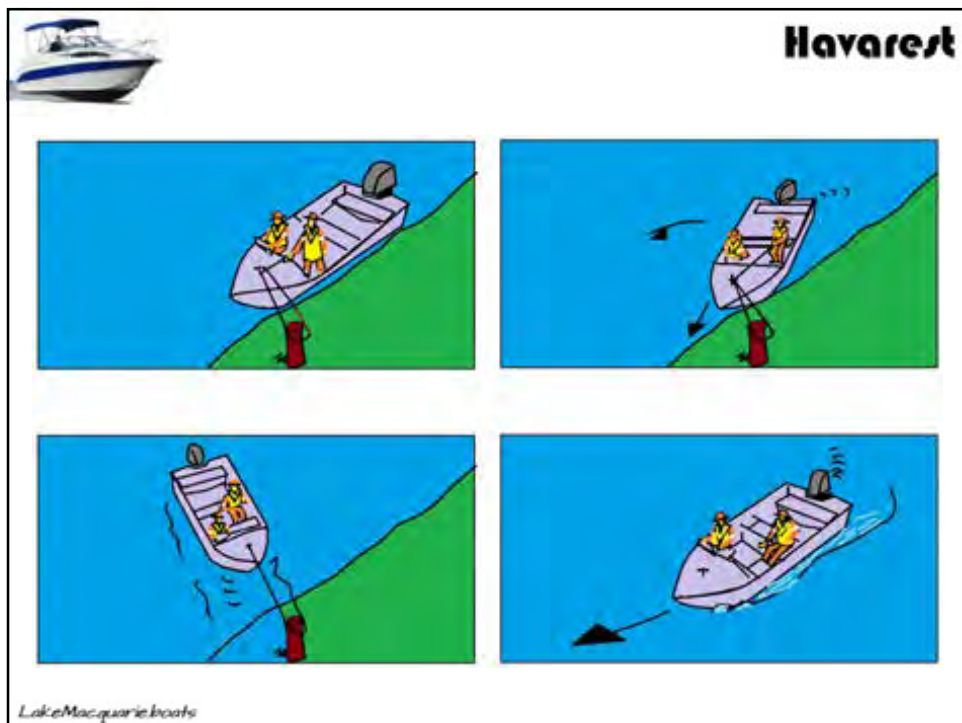


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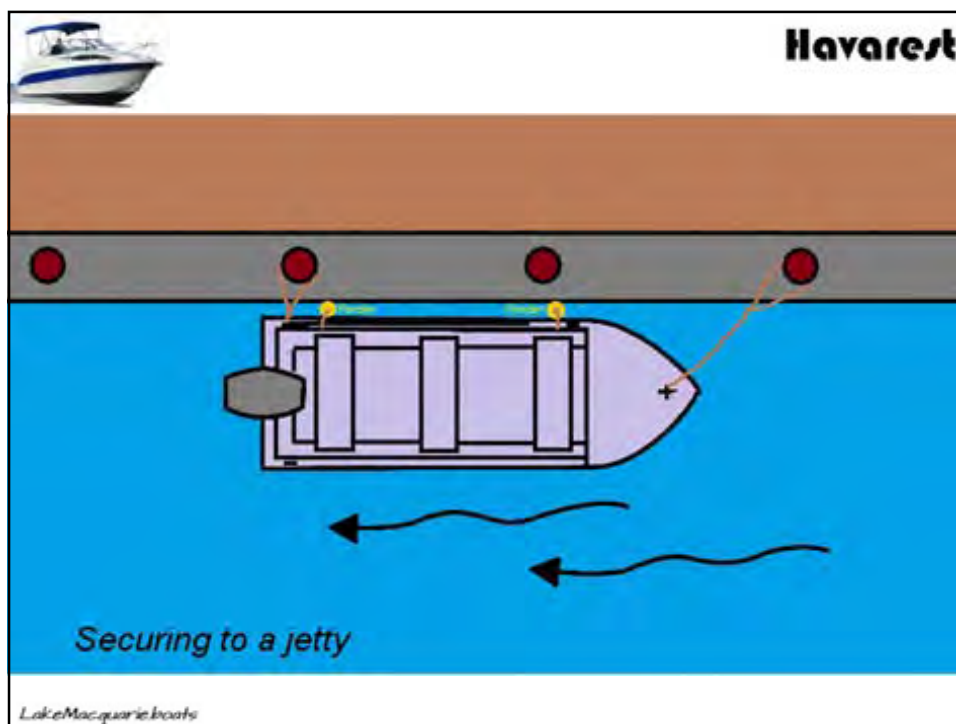


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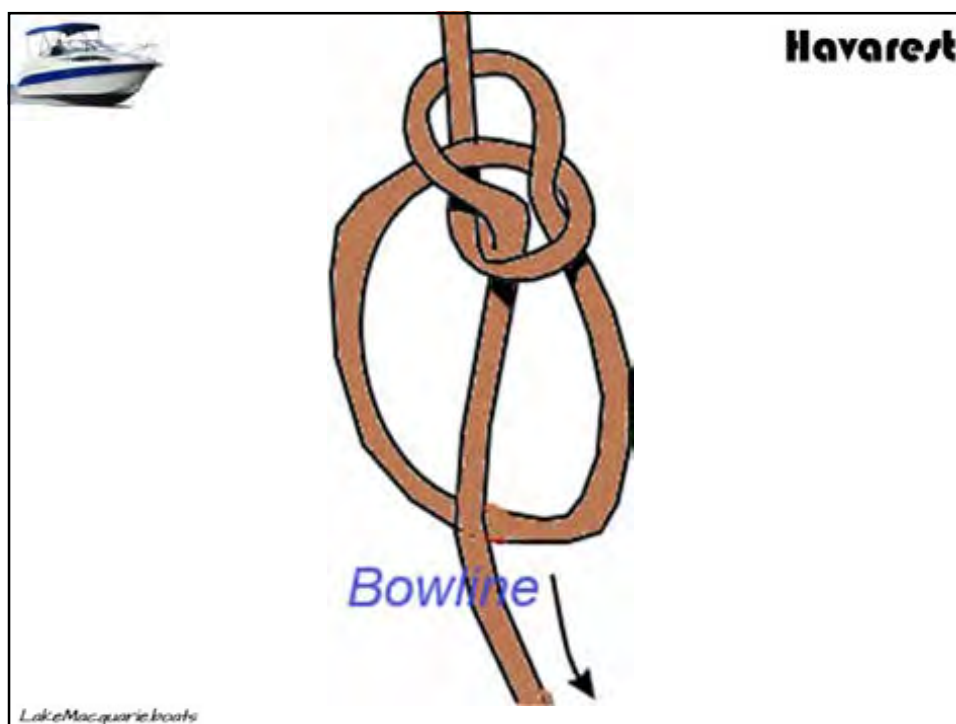


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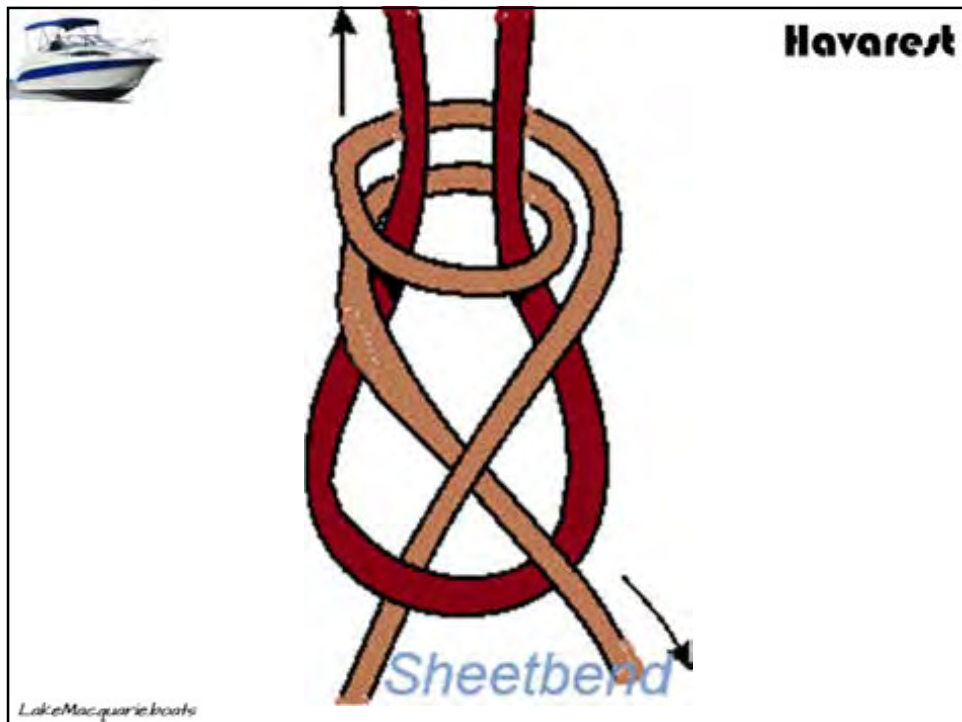


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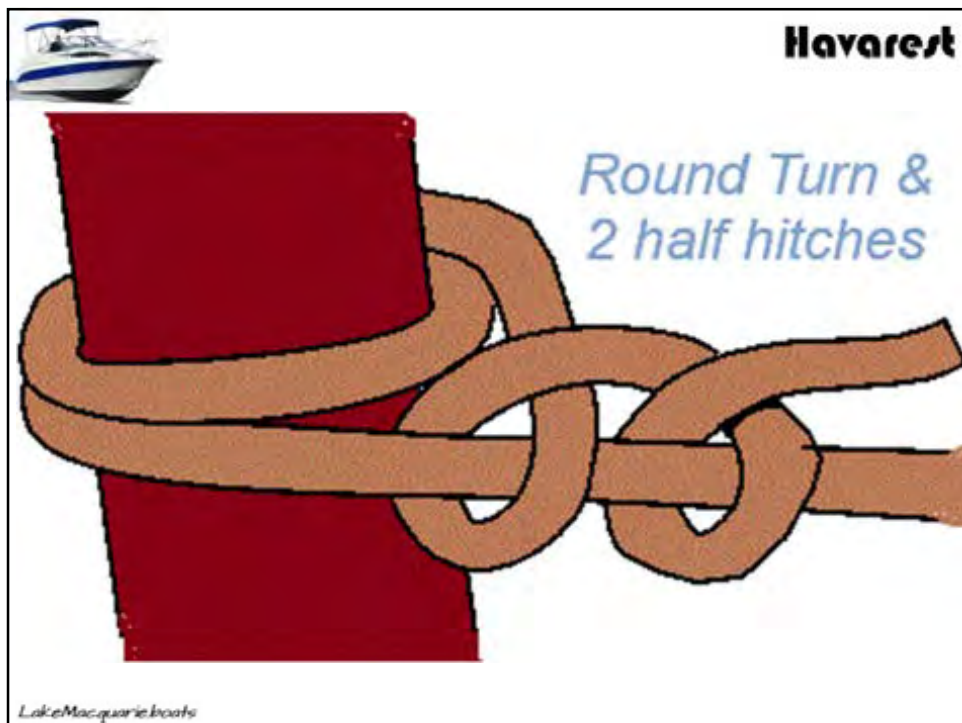


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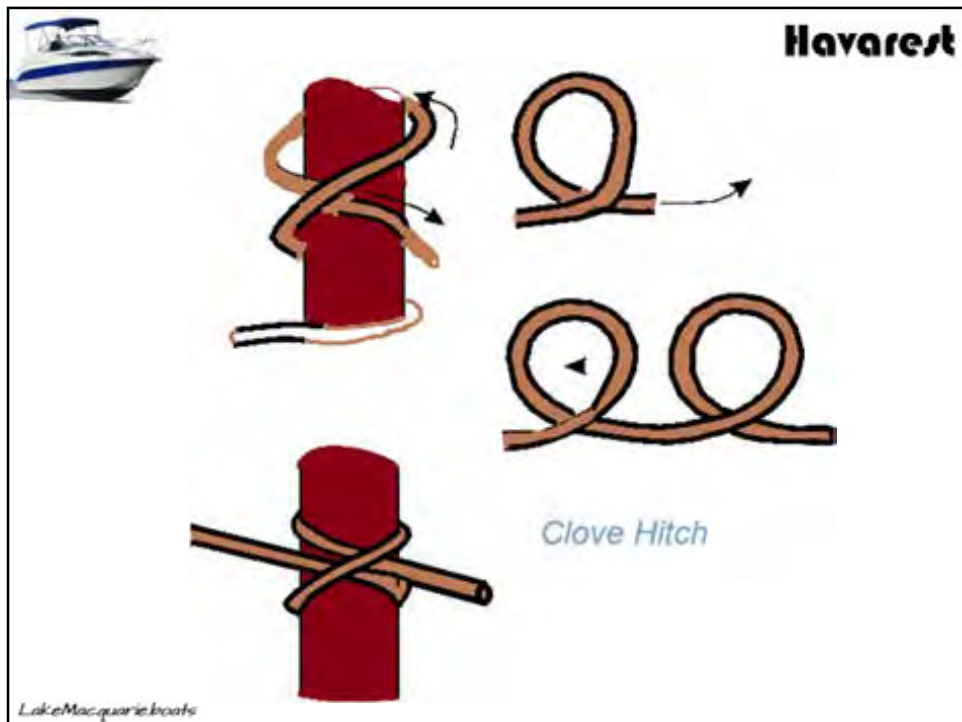


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100

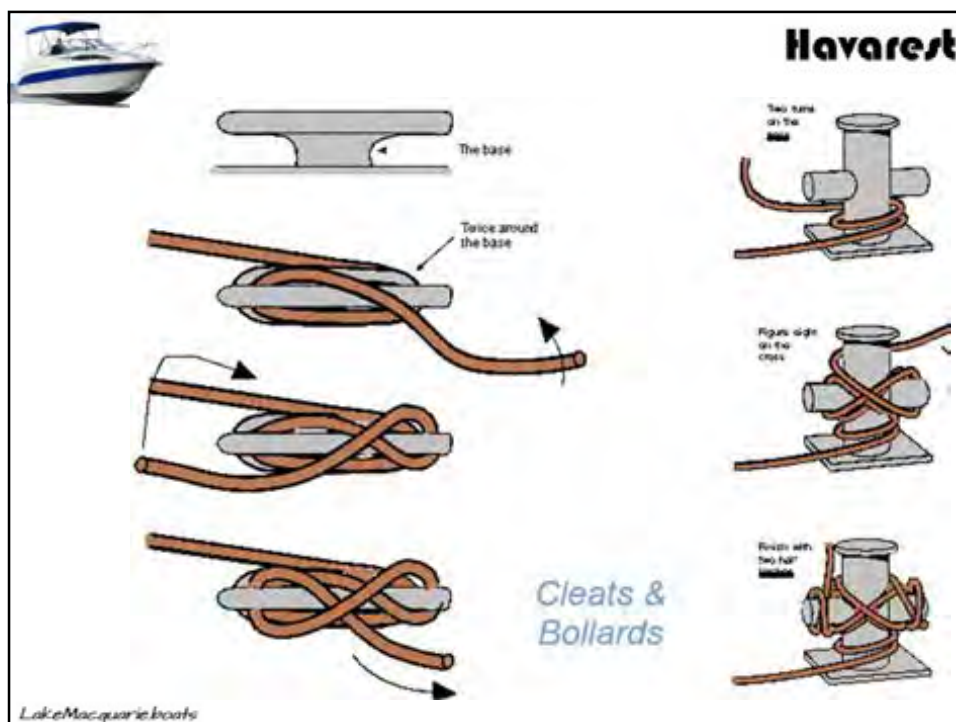


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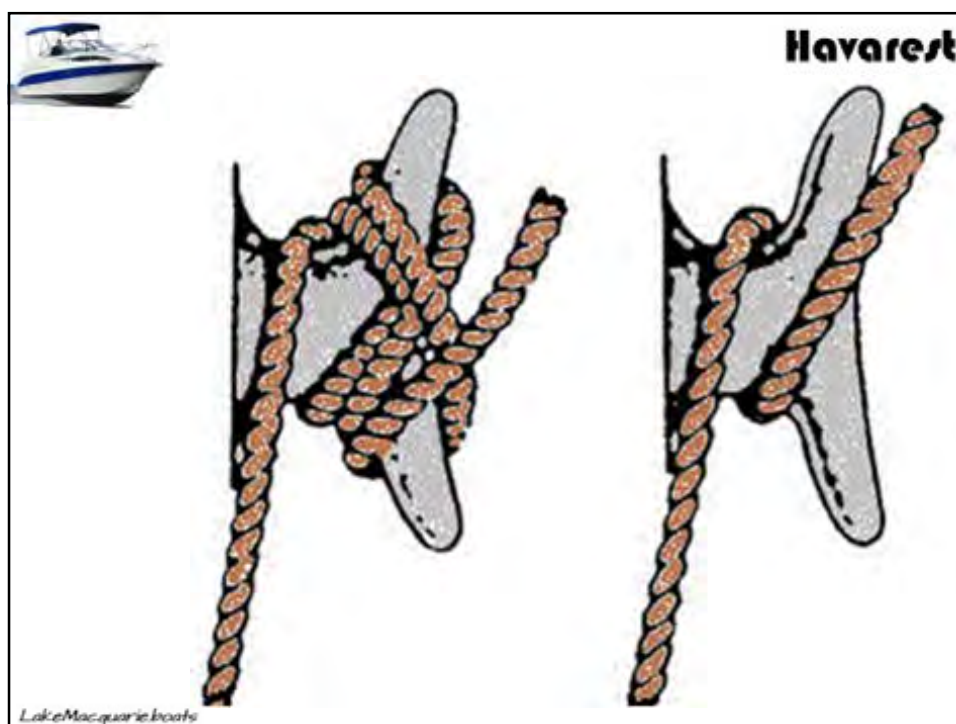


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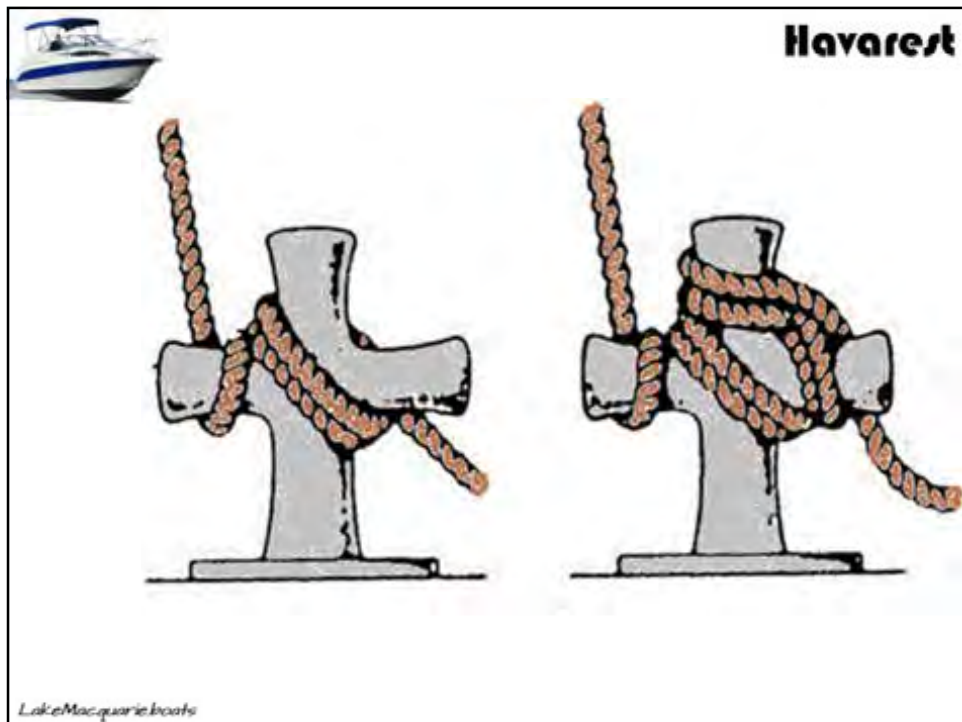


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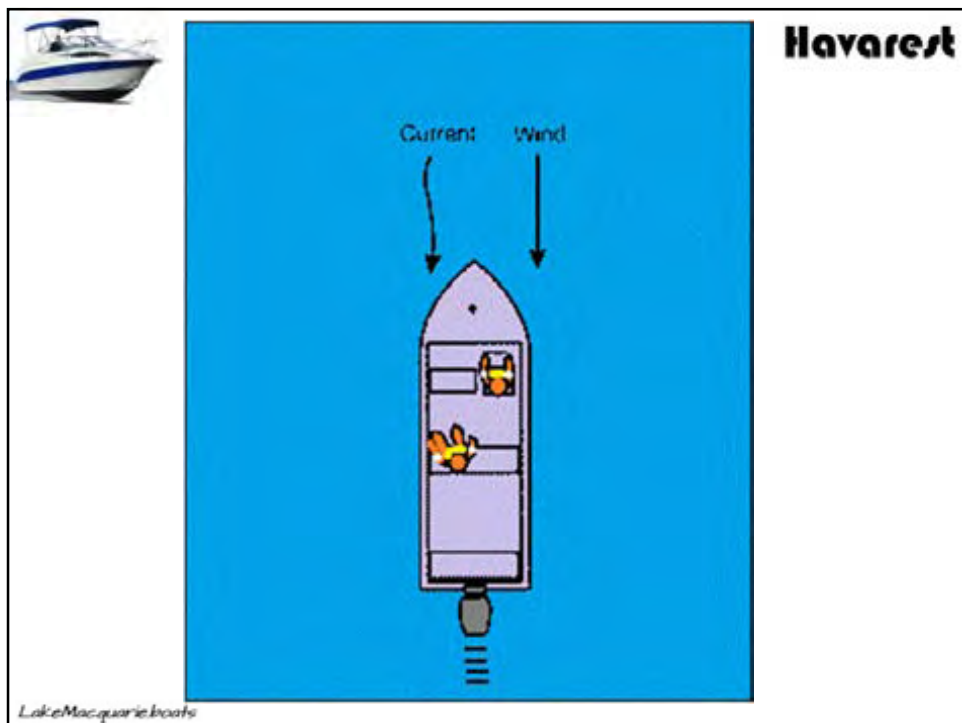


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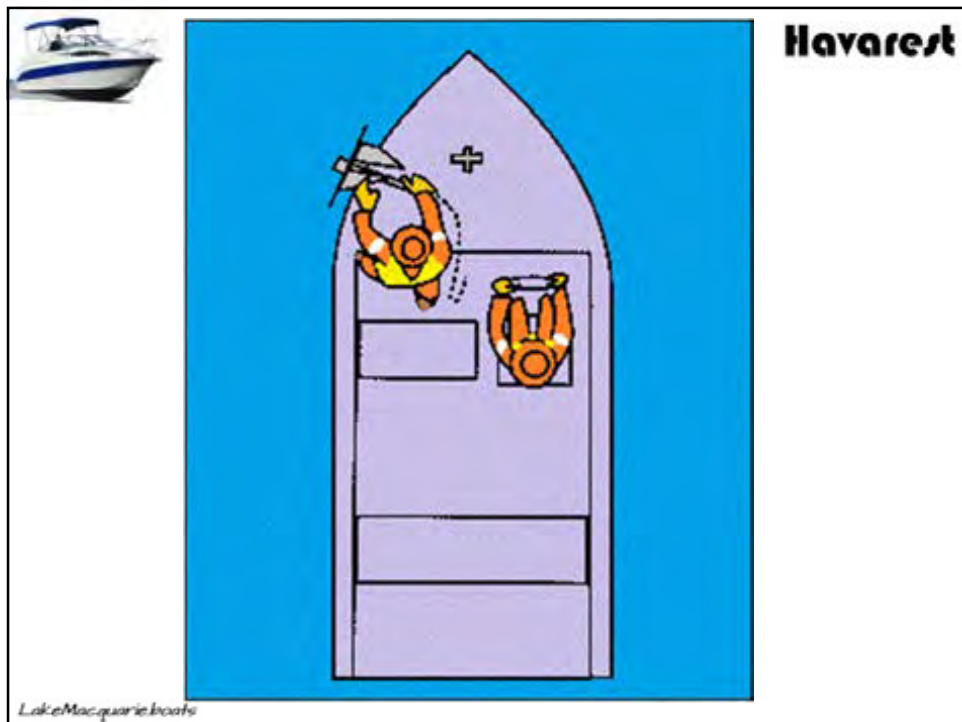


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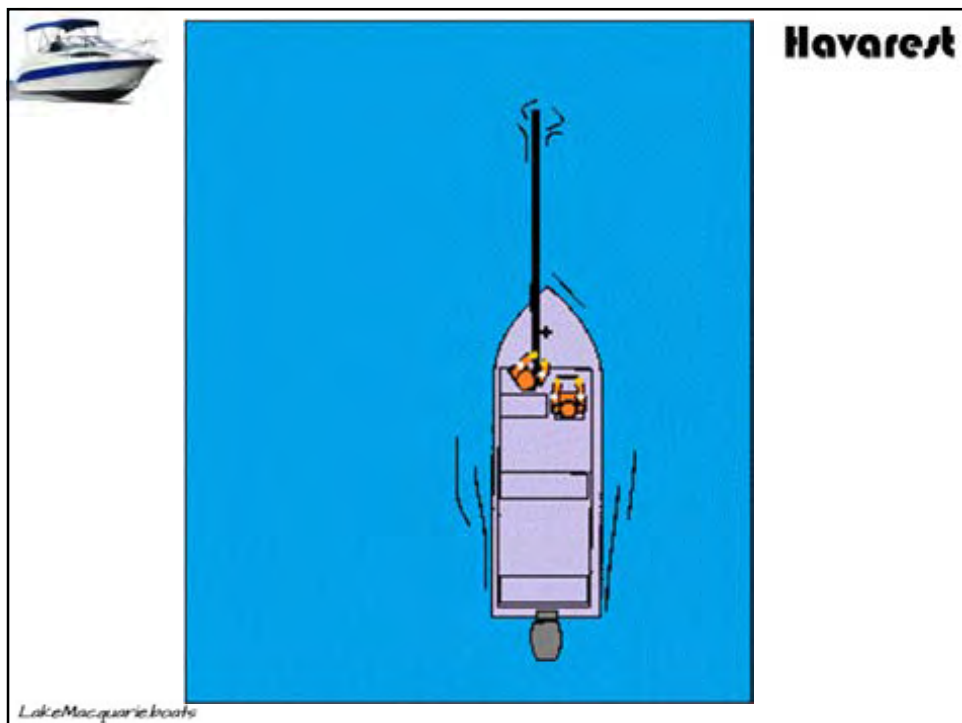


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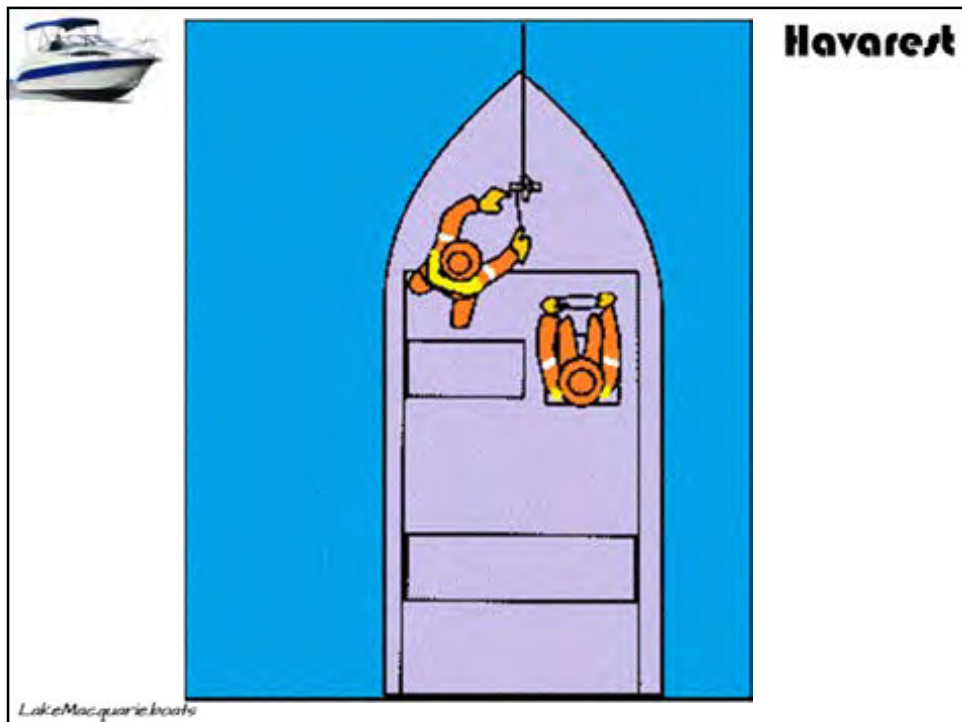


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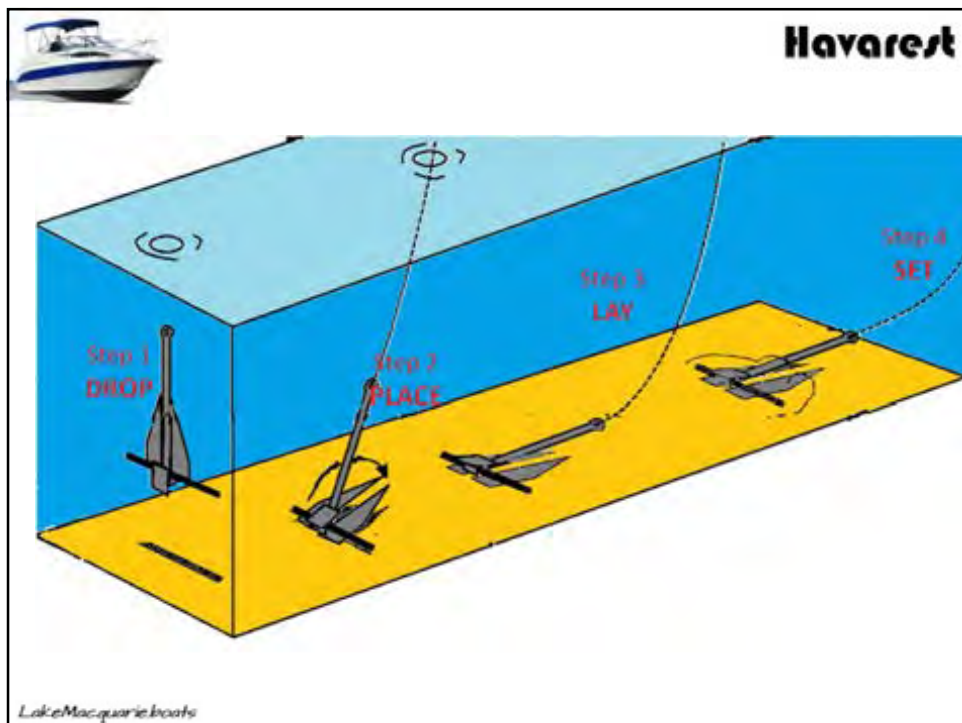


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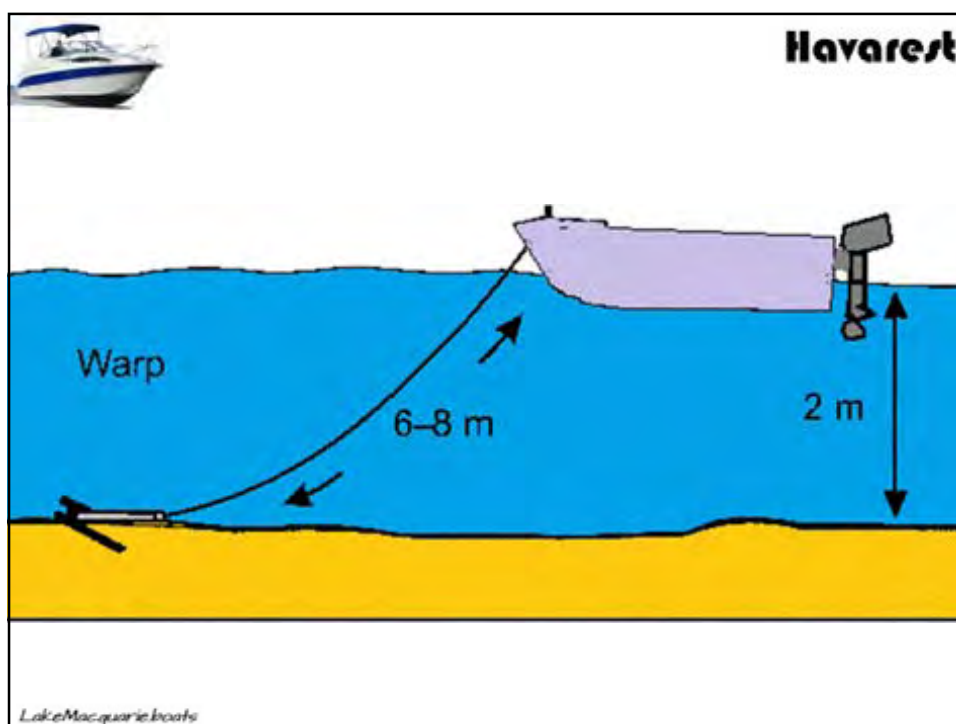


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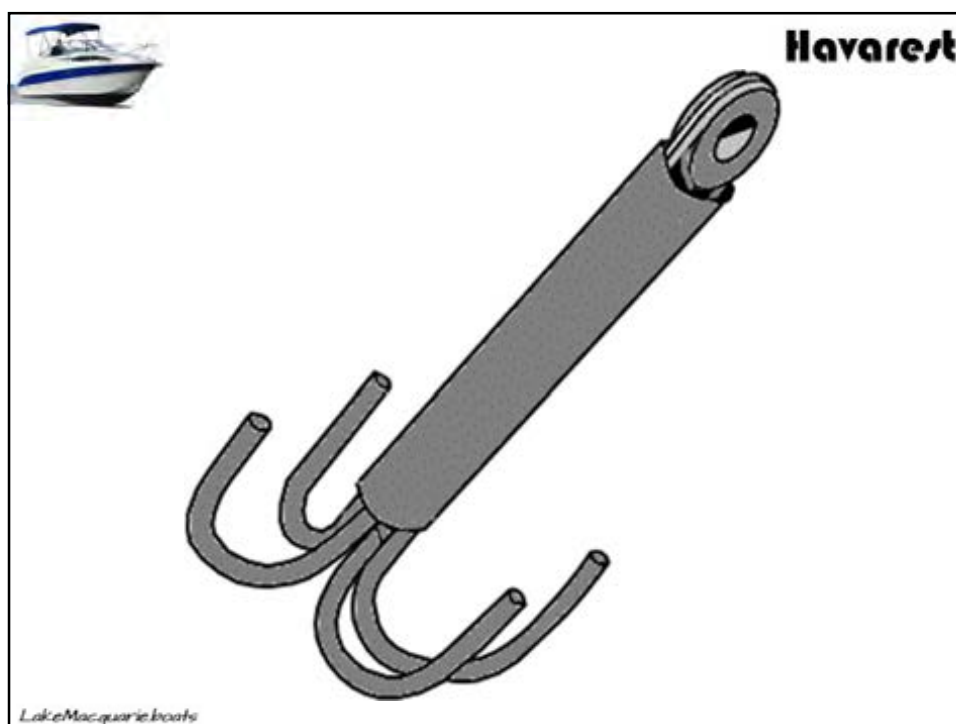


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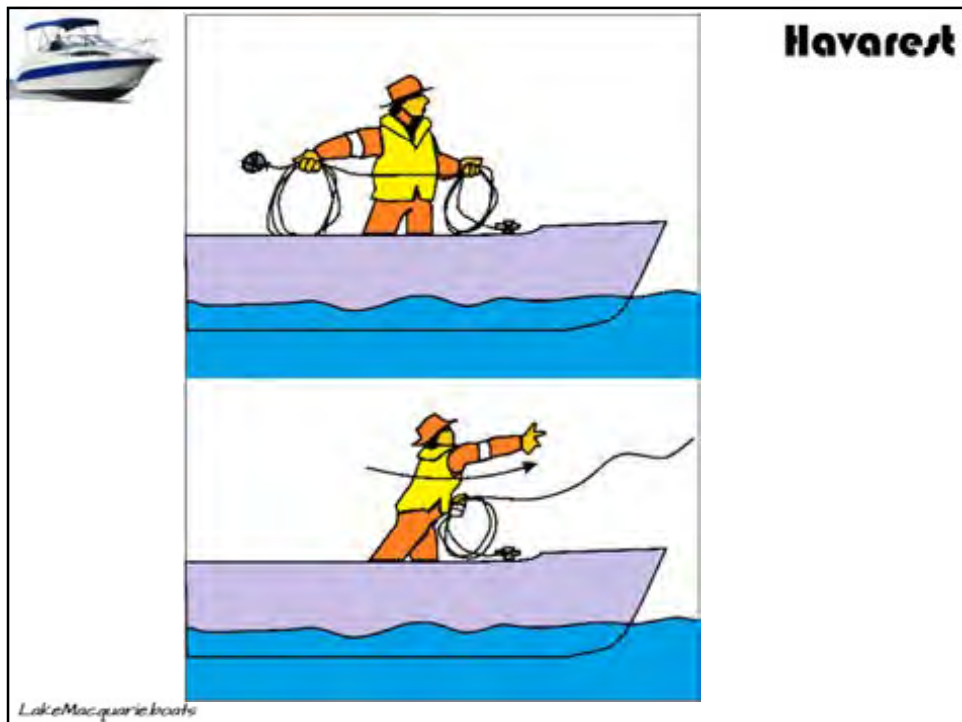


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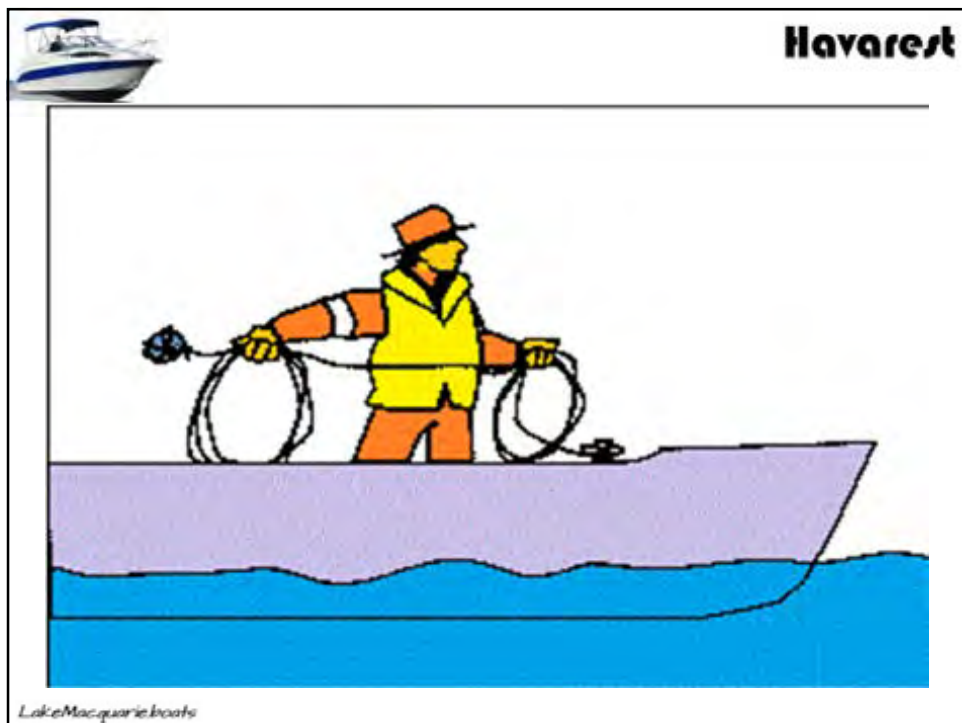


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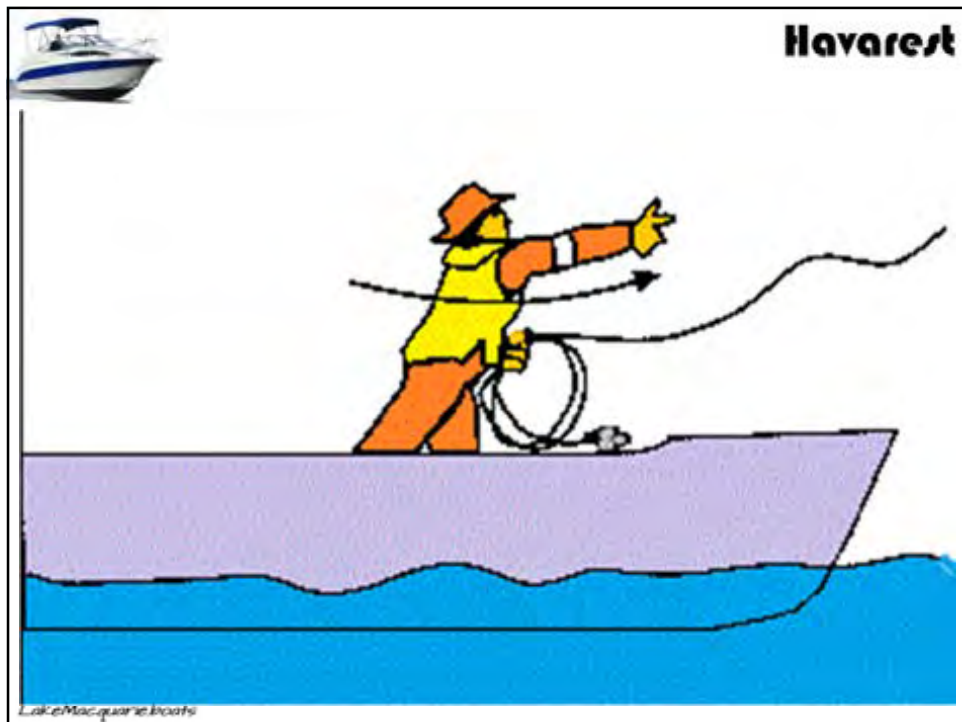


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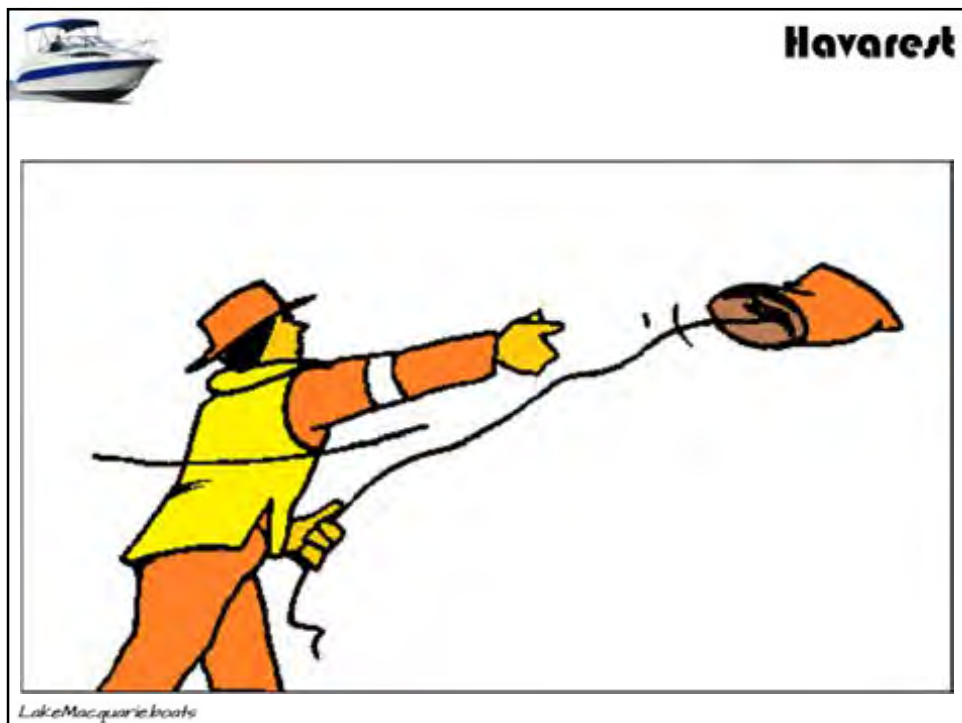


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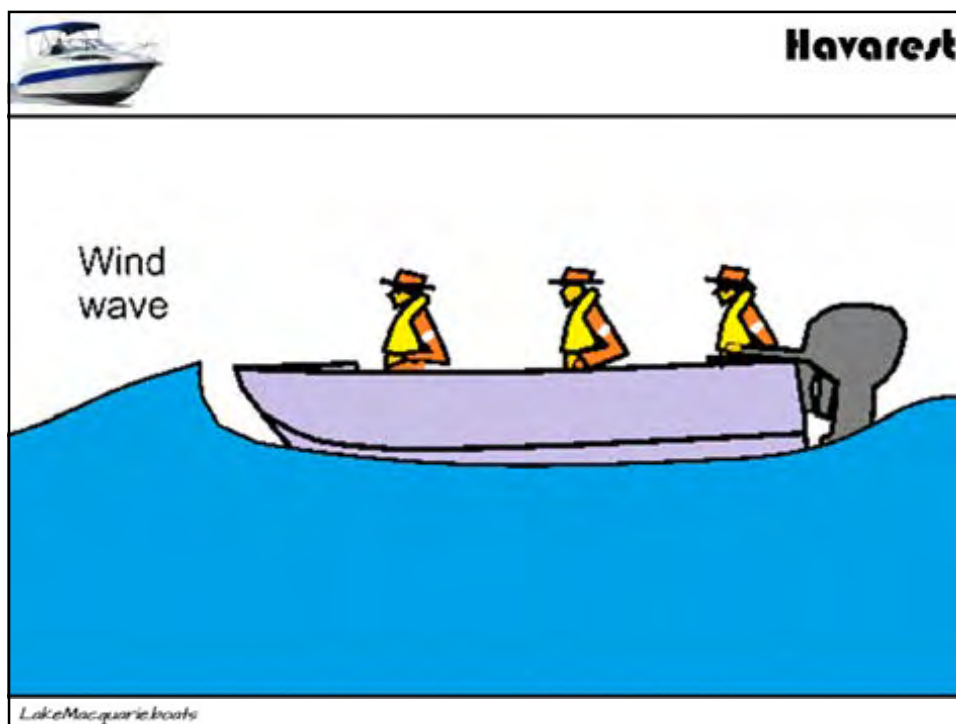


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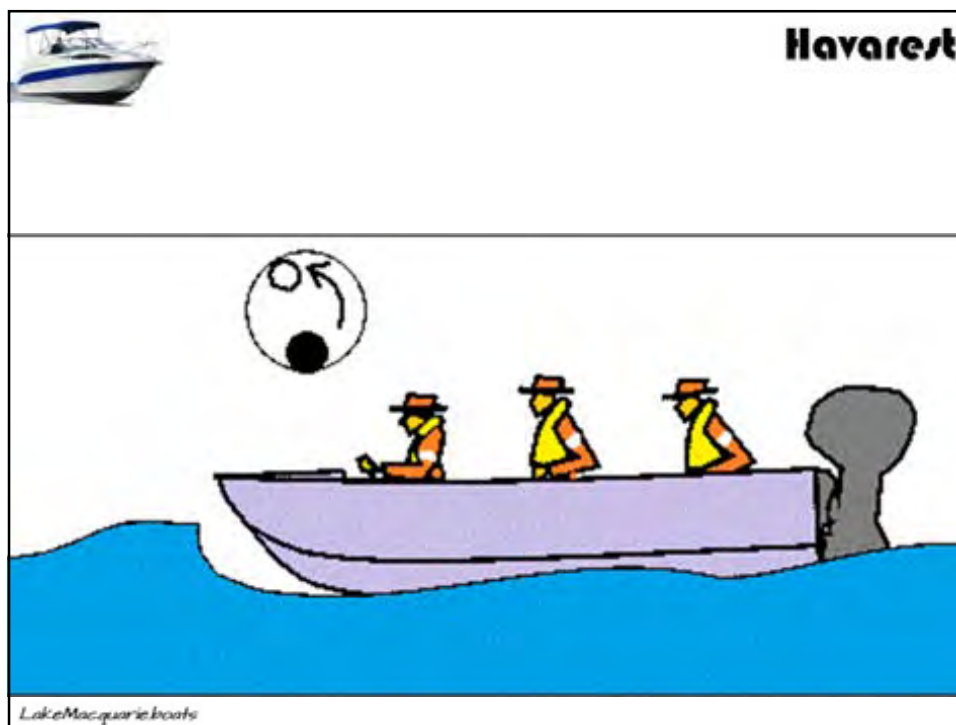


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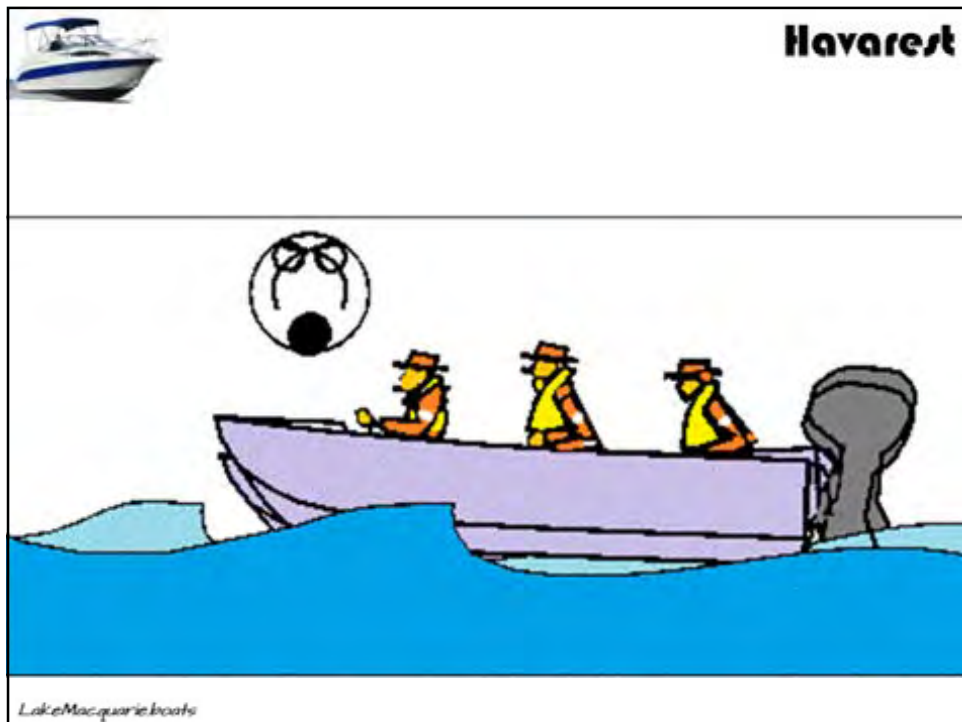


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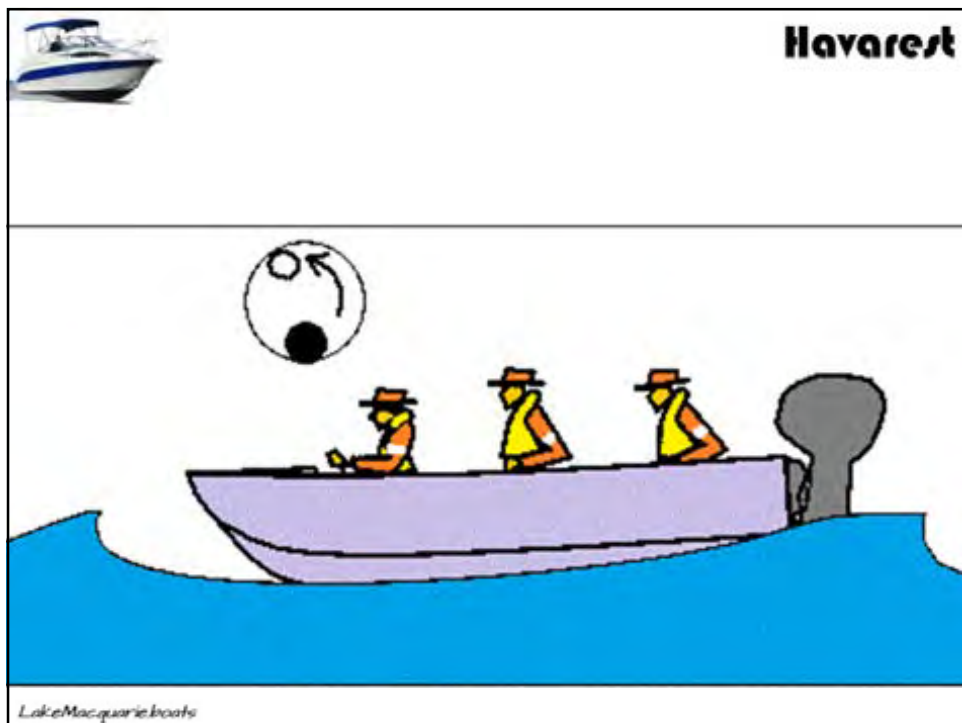


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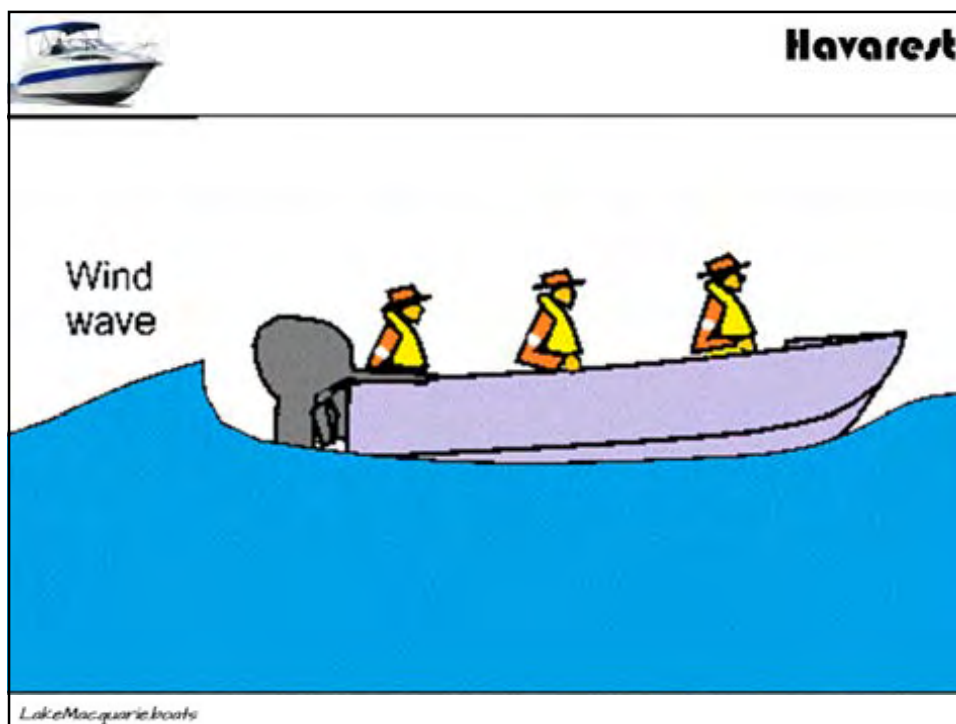


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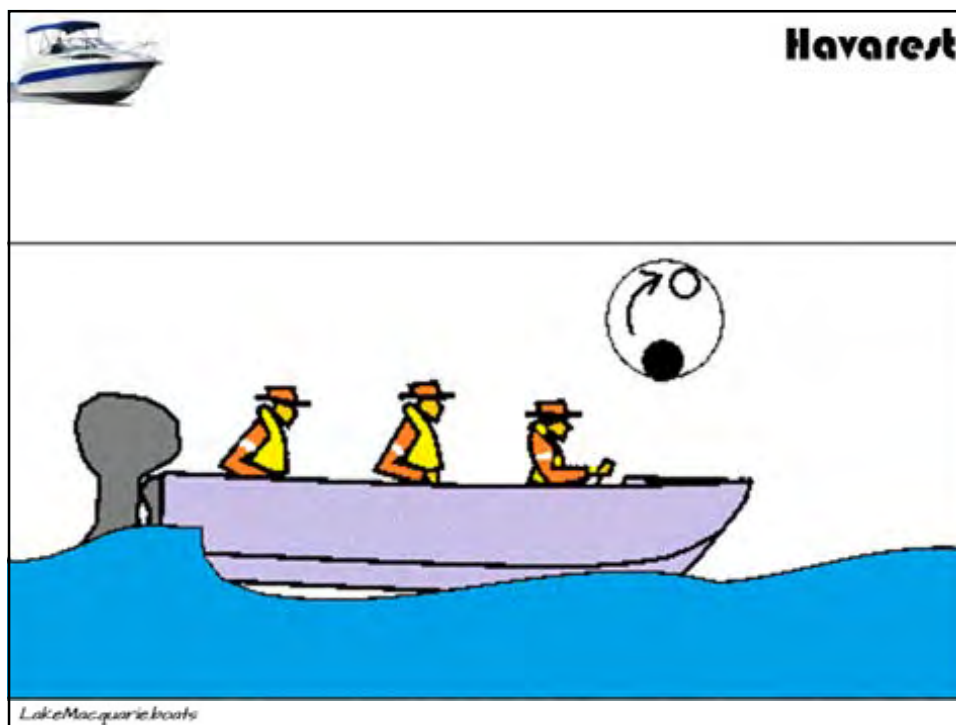


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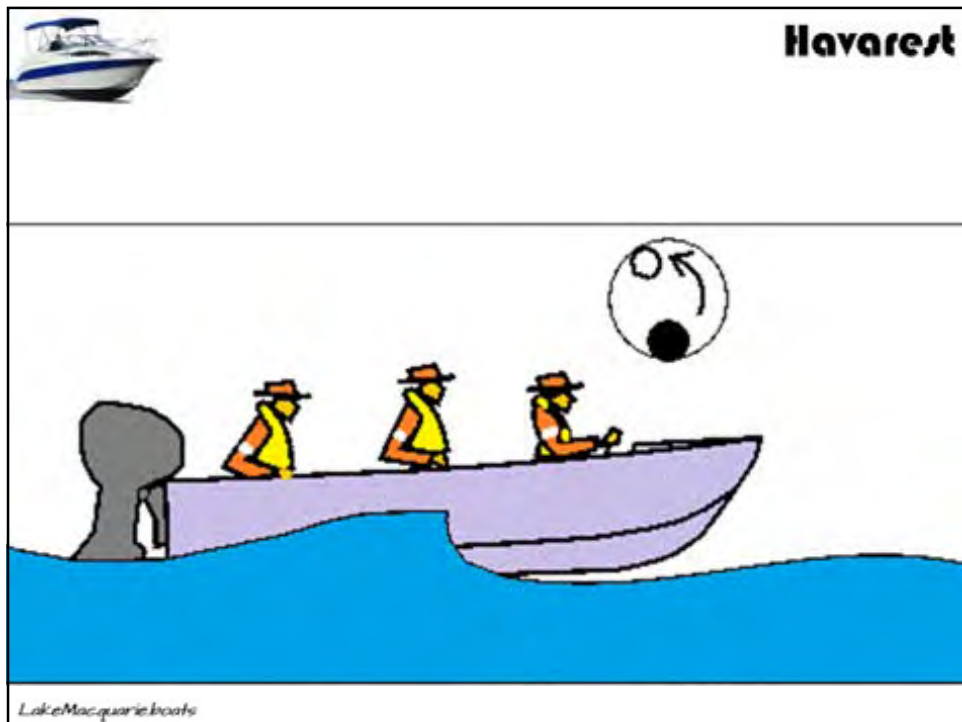


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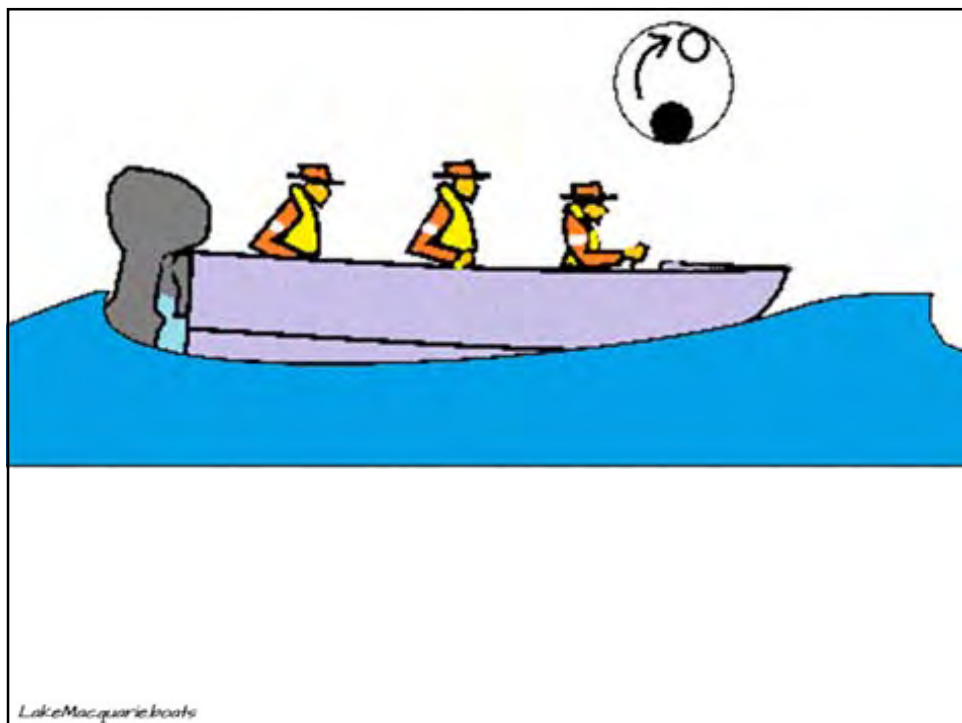


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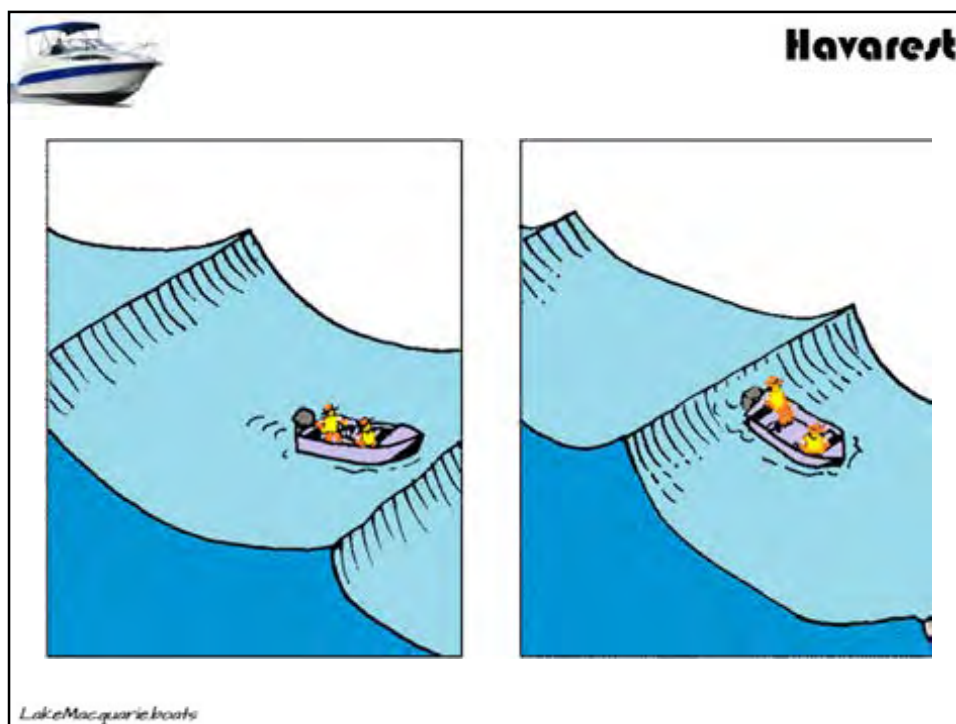


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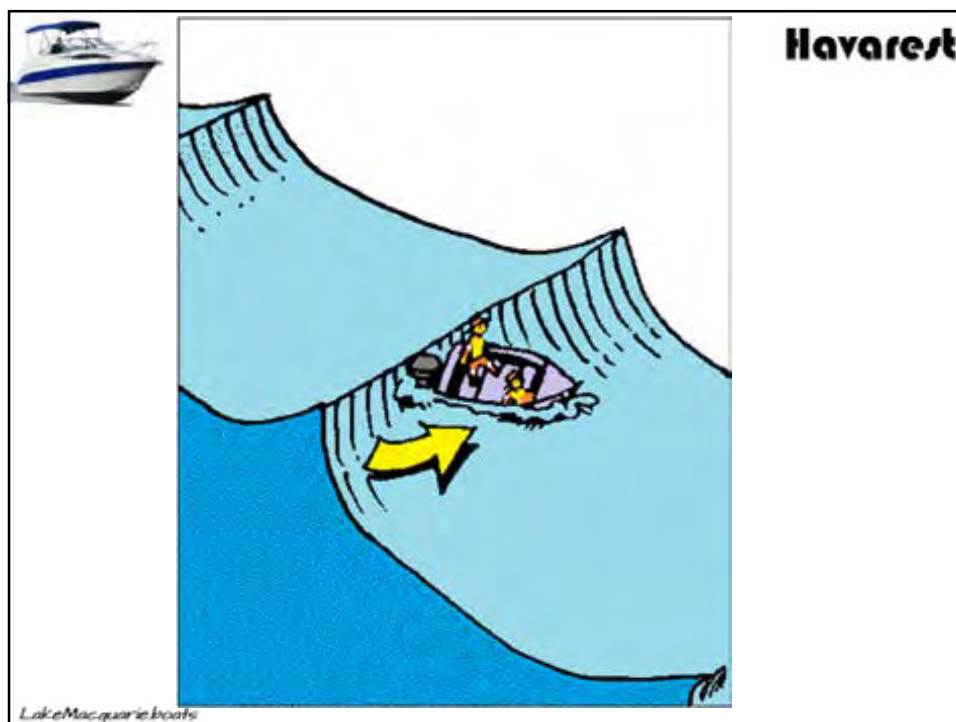


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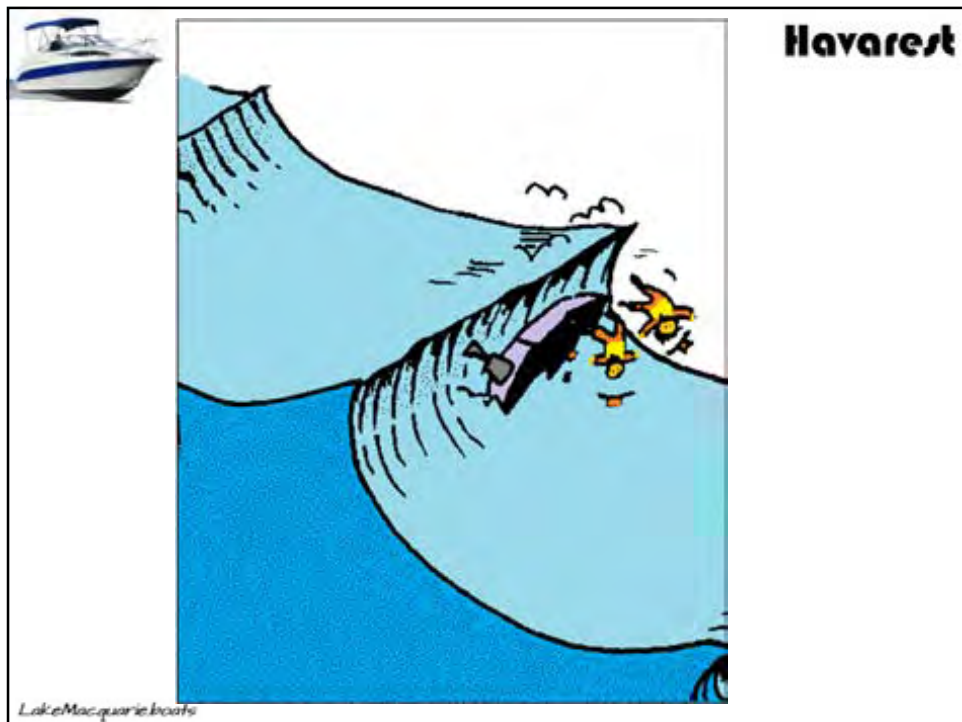


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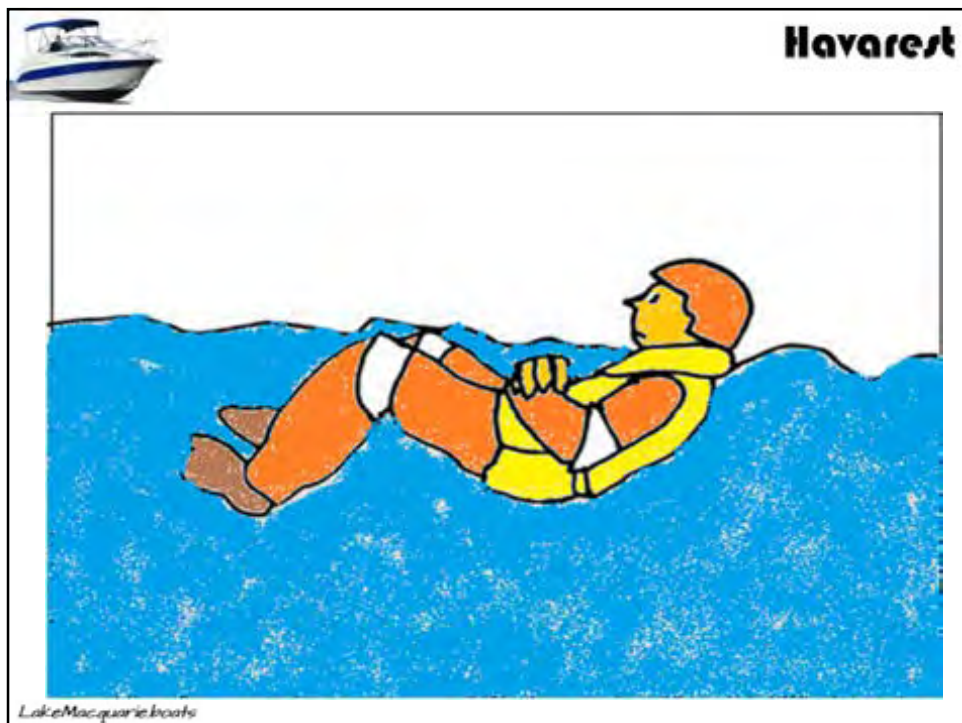


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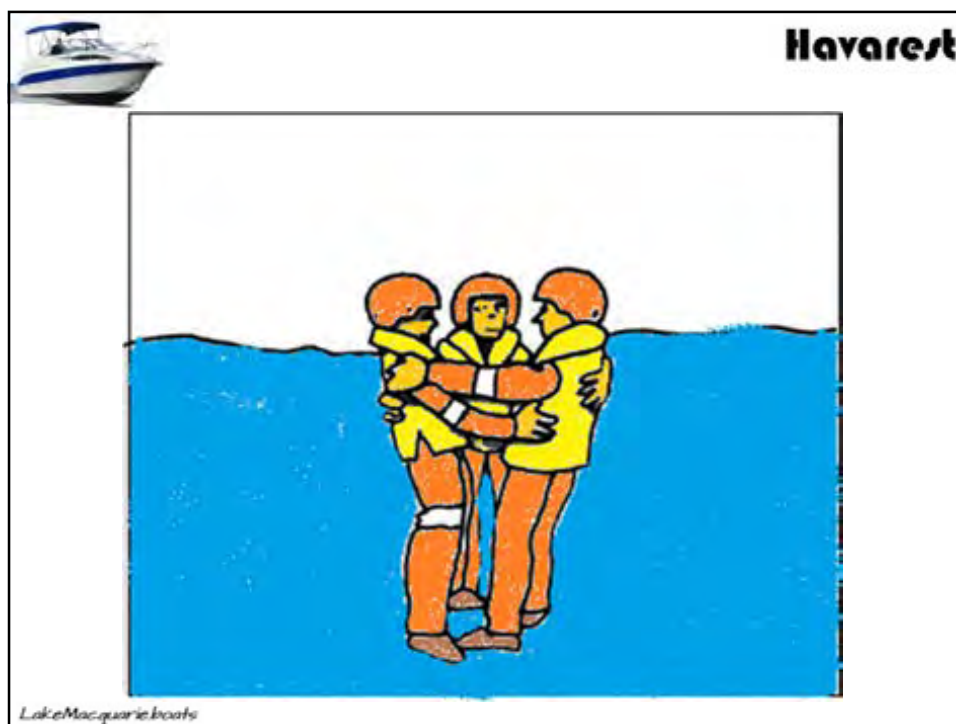


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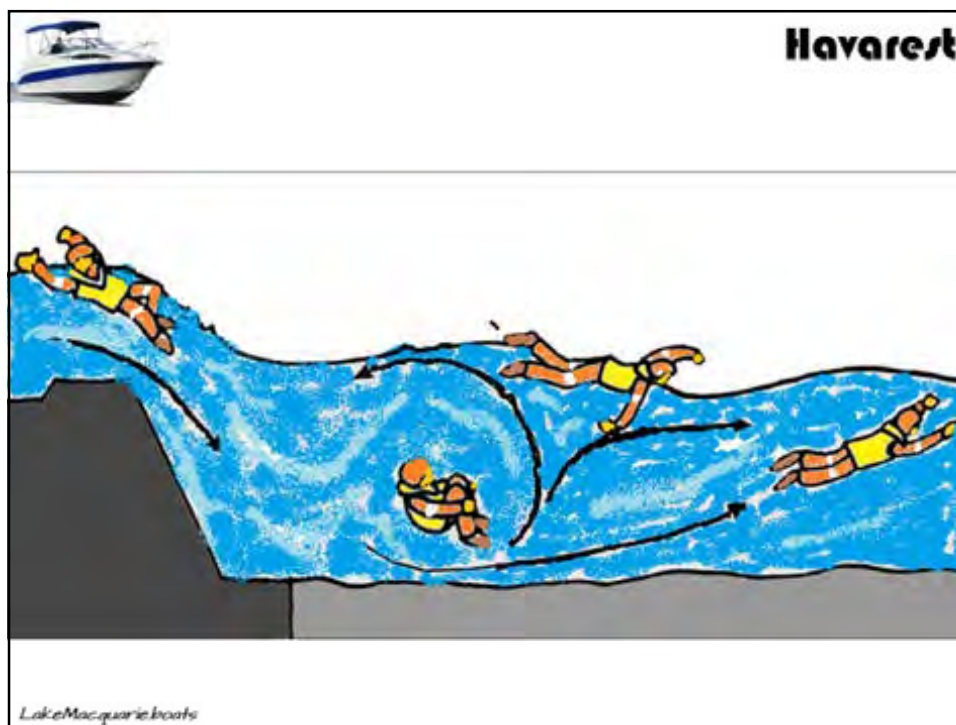


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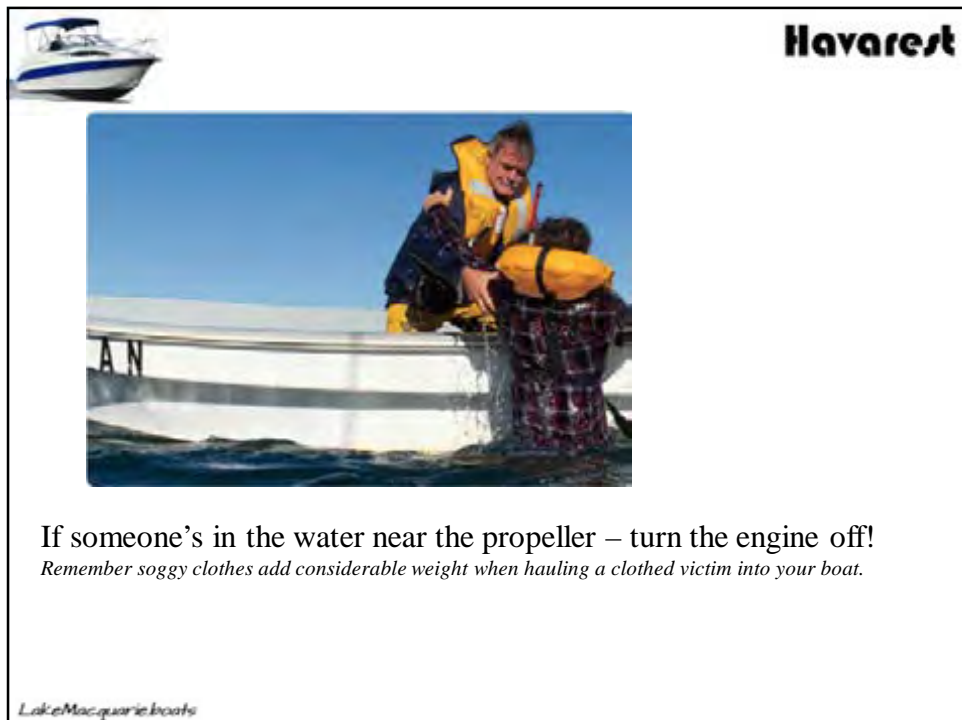


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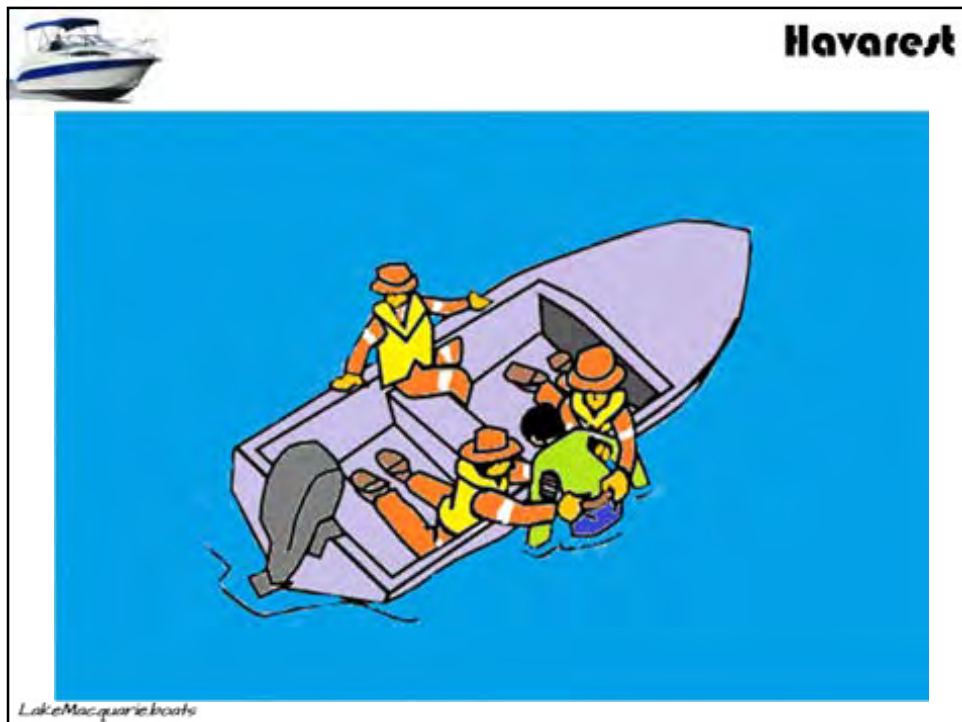


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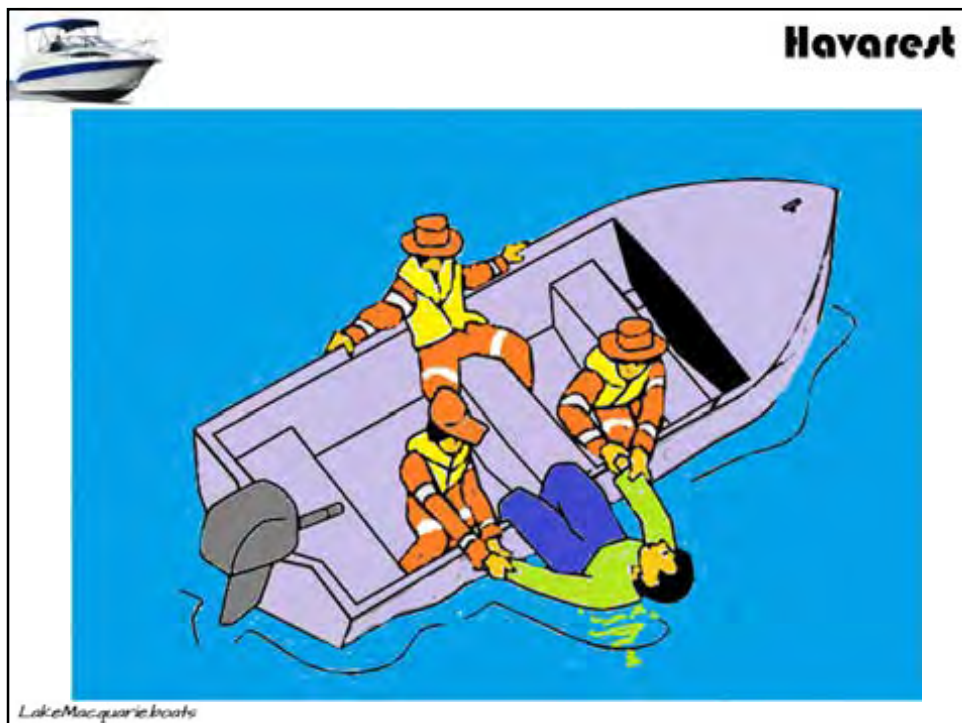


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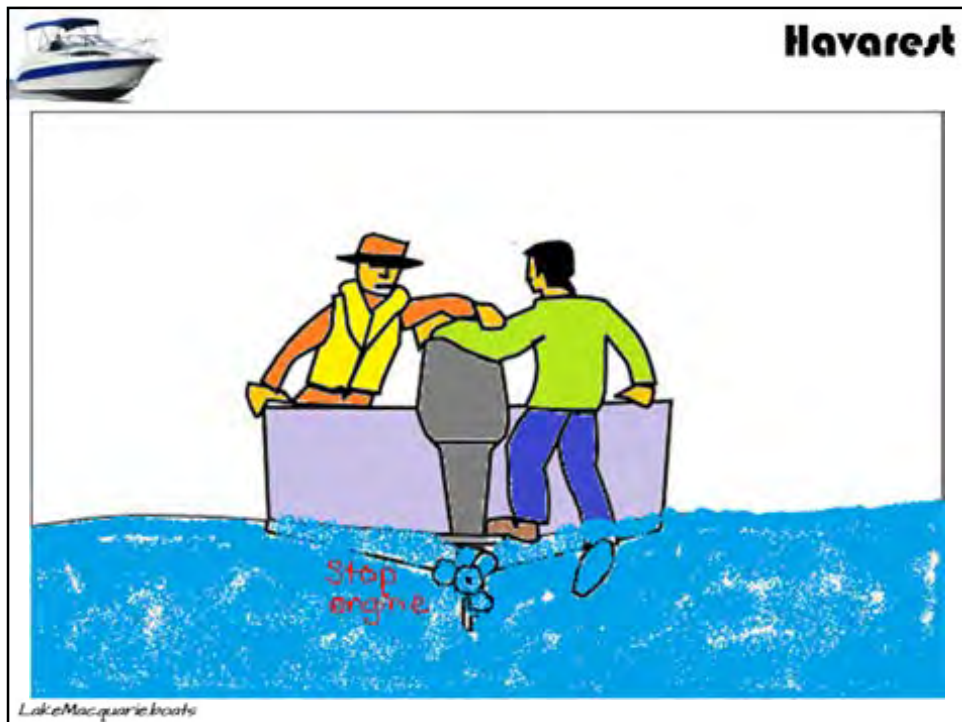


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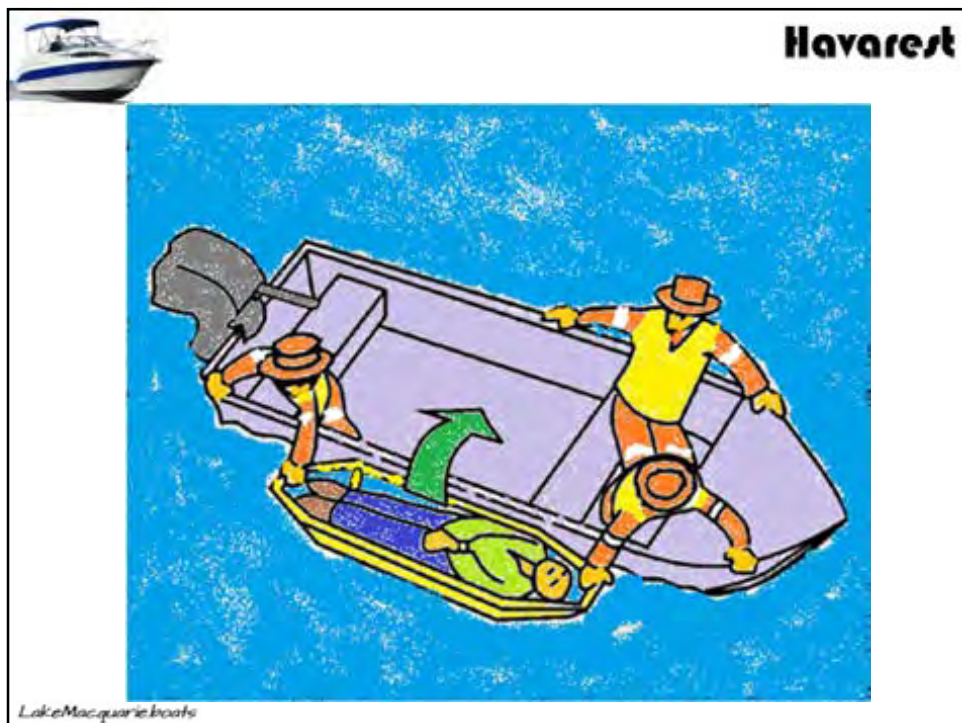


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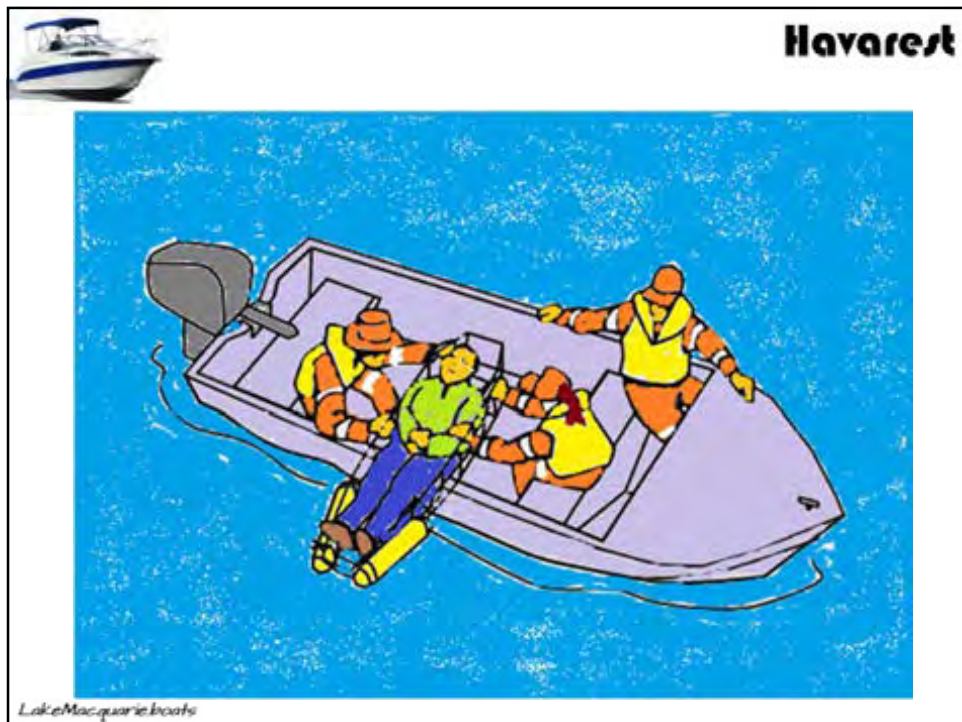


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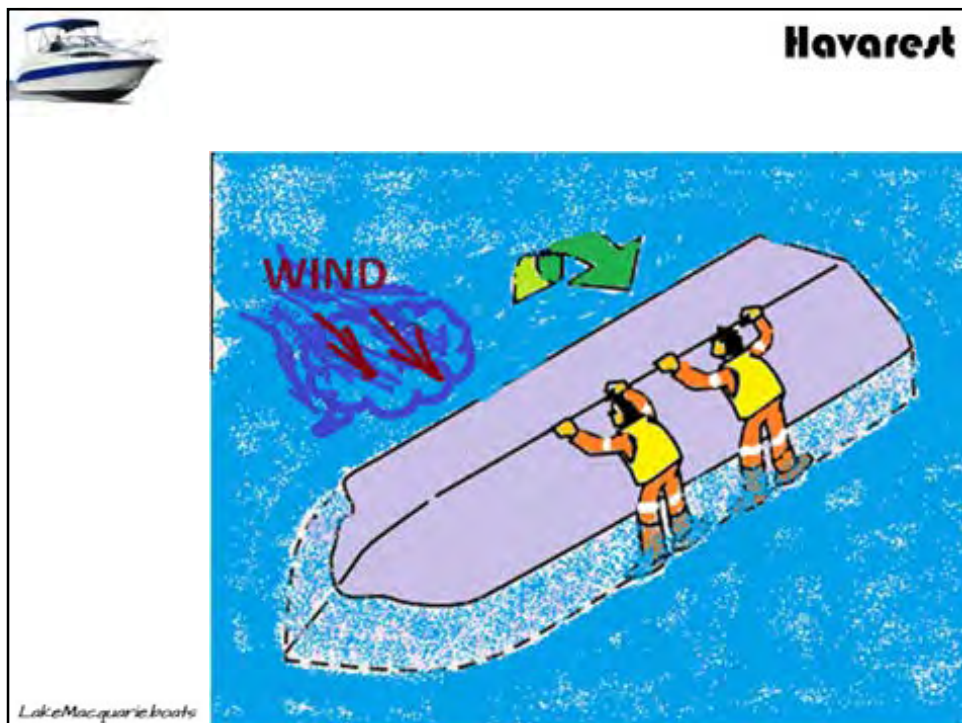


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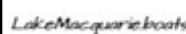


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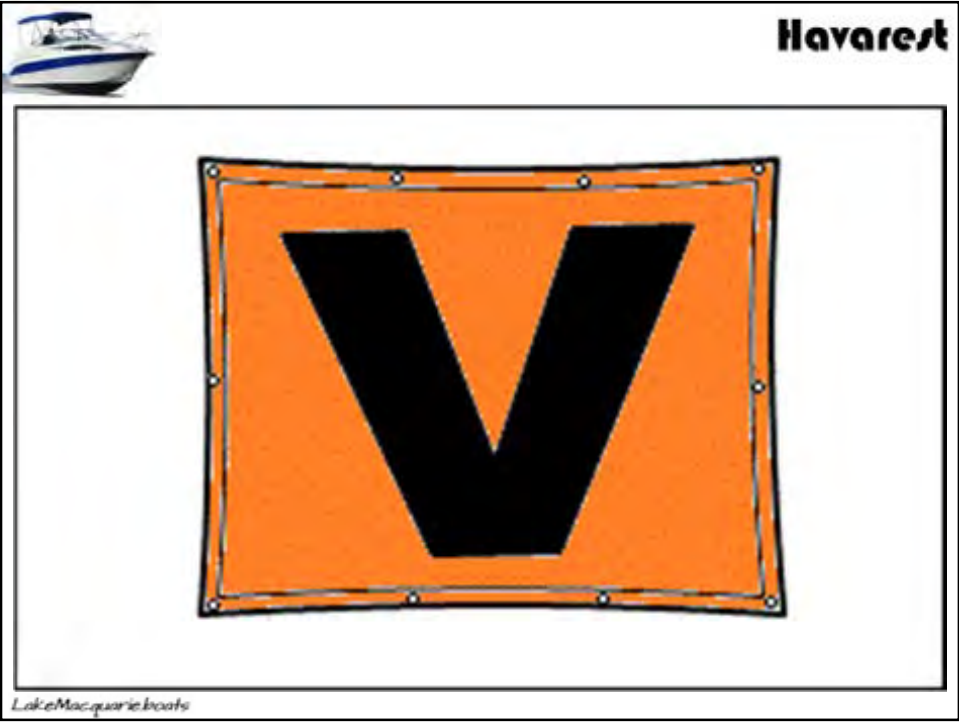


CURRENT SPEED	FORCE ON LEGS	FORCE ON BODY	FORCE ON SWAMPED BOAT (SMALL PUNT)
km/hr	kg of force	kg of force	kg of force
2	7.6	15.3	76.2
3.7	30.5	60.8	305
5.6	69	137	686
7.5	122	244	1219

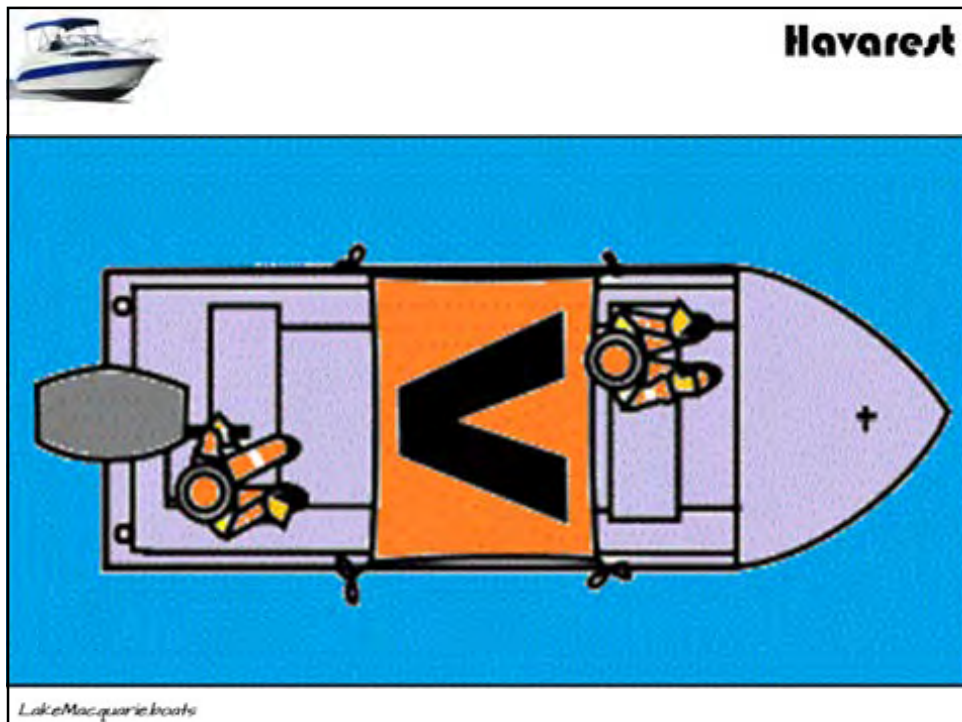


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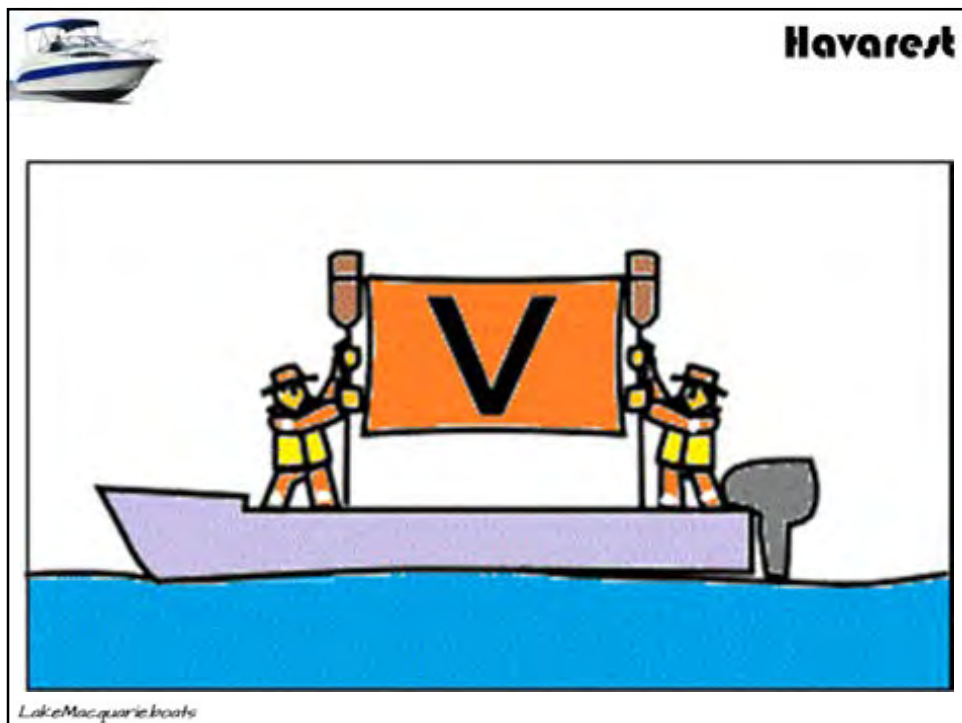


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VESSEL CAPACITY PLATE - POWER BOATS LESS THAN 6 METRES

This capacity plate is issued by the Waterways Authority for the guidance of boat owners. The table below shows the maximum persons capacity of all power boats less than 6 metres in length. The number of persons and maximum permissible total weight per vessel is calculated in accordance with Australian Standard AS 1799.1-1992. Alternatively owners may determine the maximum persons capacity of their vessel as that laid down by manufacturer of the vessel or by any other method approved in writing by the Authority.

MAXIMUM CAPACITY
 ○ **PERSONS**
 IN CALM WATERS ONLY

Length of vessel (m)	Maximum number of persons	Maximum permissible total wt. (kg)
up to 3m	2	180
3m to 3.5m	3	270
3.5 to 4.5m	4	360
4.5 to 5m	5	450
5m to 5.5m	6	540
5.5m to 6m	7	630

Please determine your vessel's capacity and fix the number in the space above.

Warning:
 1. This is the maximum persons capacity for GOOD conditions. A reduction in maximum number MUST be made in adverse weather conditions or both on the water.

2. Capacity is assumed to be 1 kg per person, 1 child or additional allowance of 1 kg per person for persons over 12 years of age. A child is anyone under 12 years old. 4.5m child is 12 years old under 12 years equals one half of an adult.

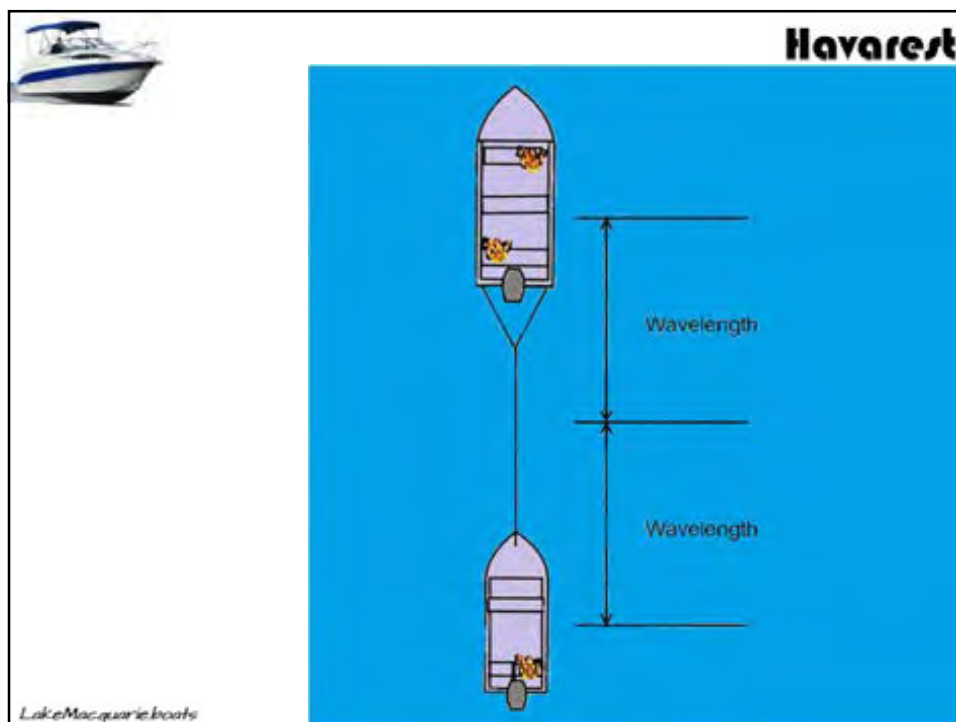
Waterways
 We're with you on the water

1 2 3 4 5 6 7 8 9

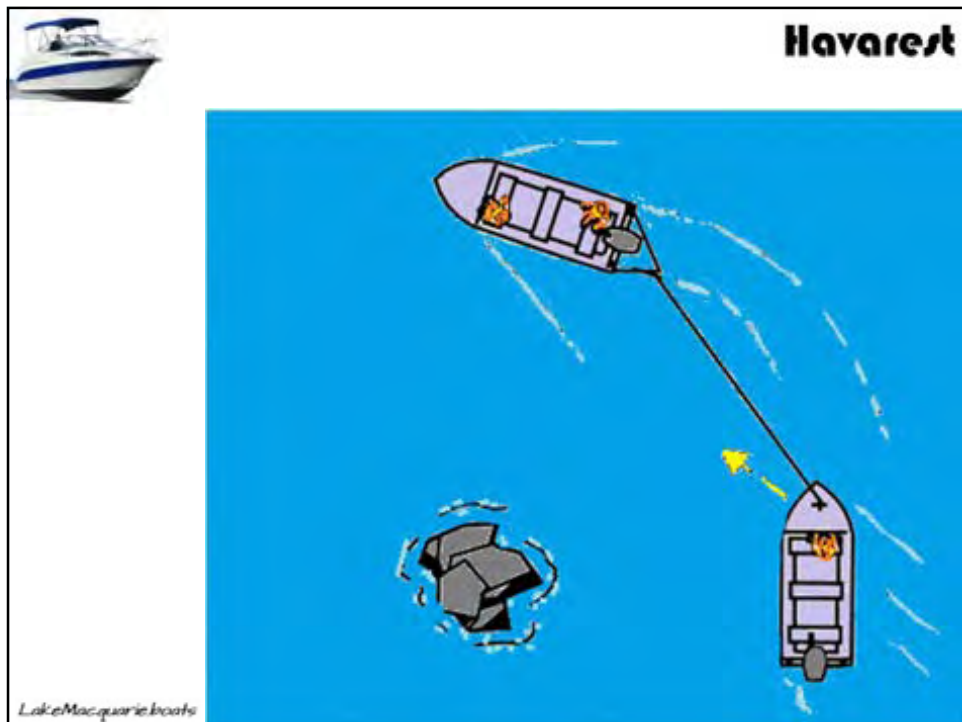
LakeMacquarie.boats

143

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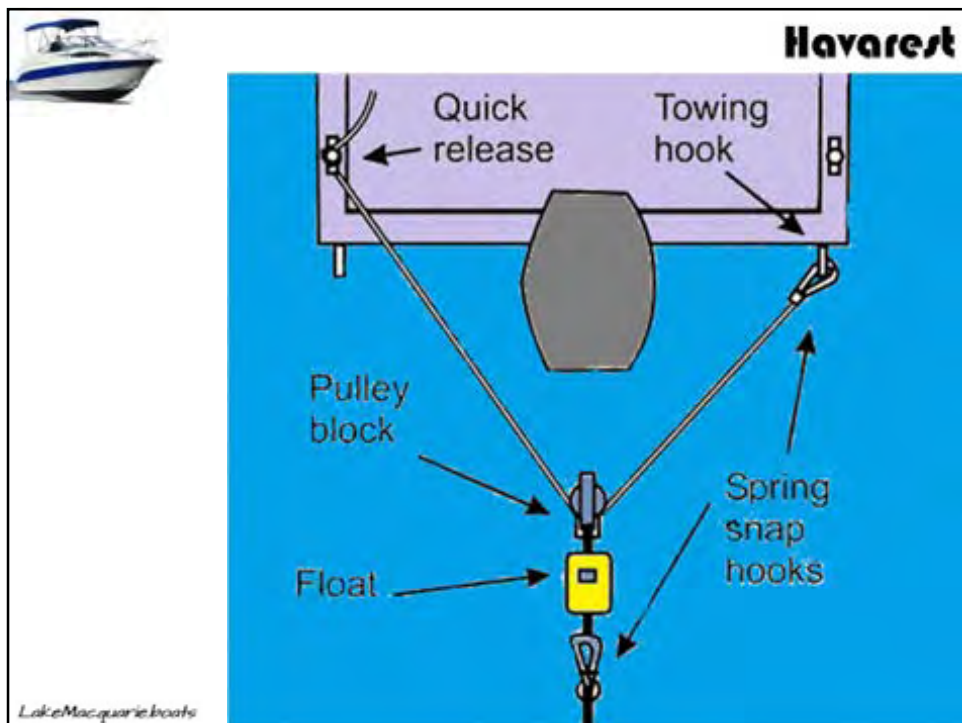


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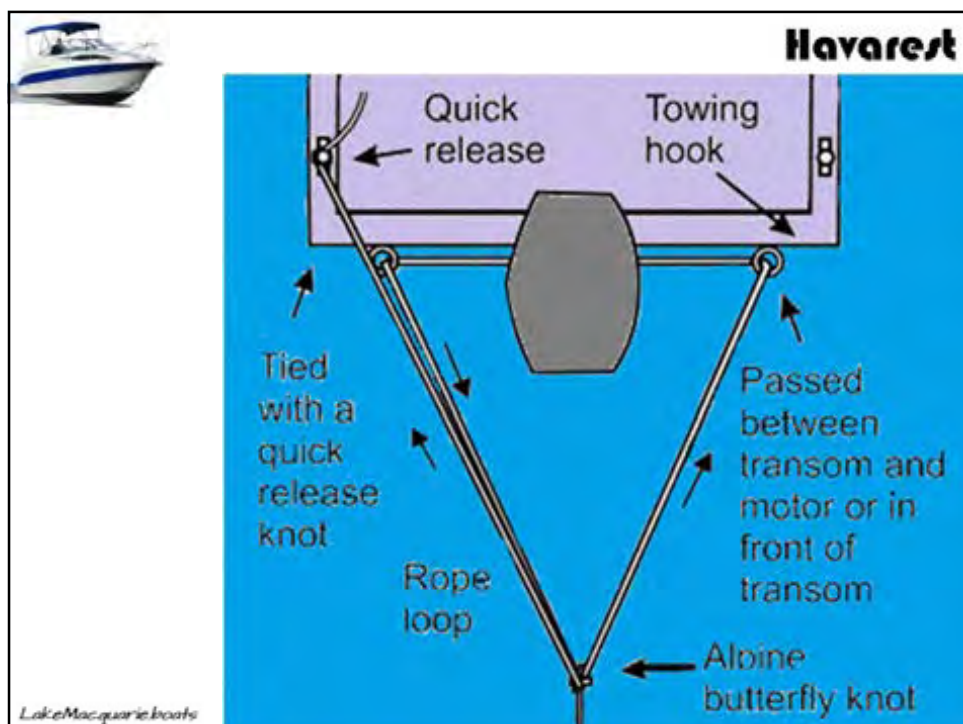


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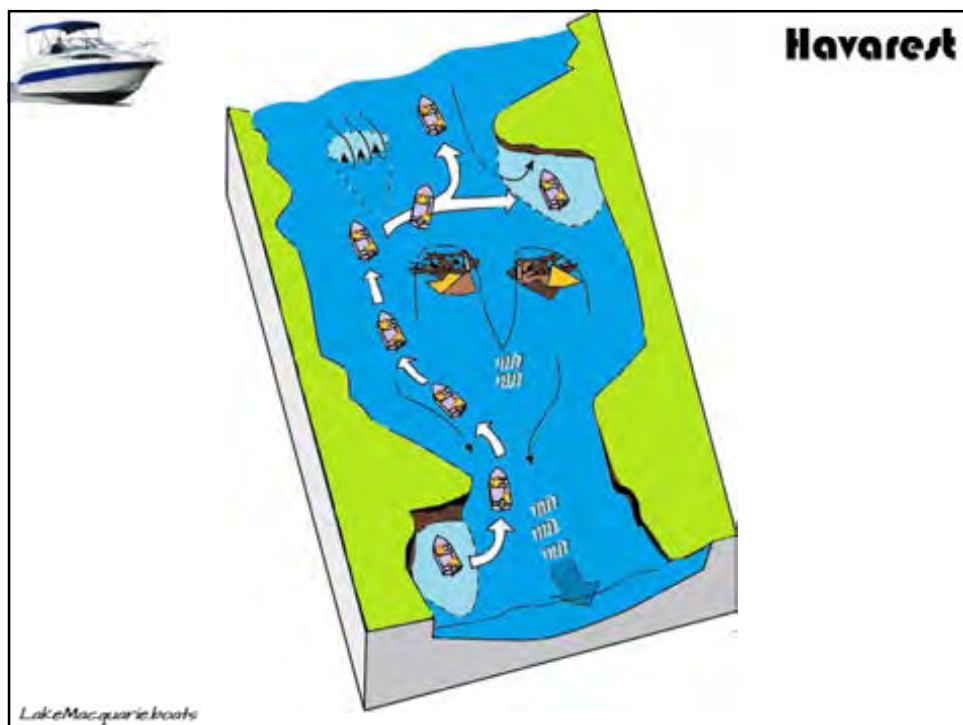


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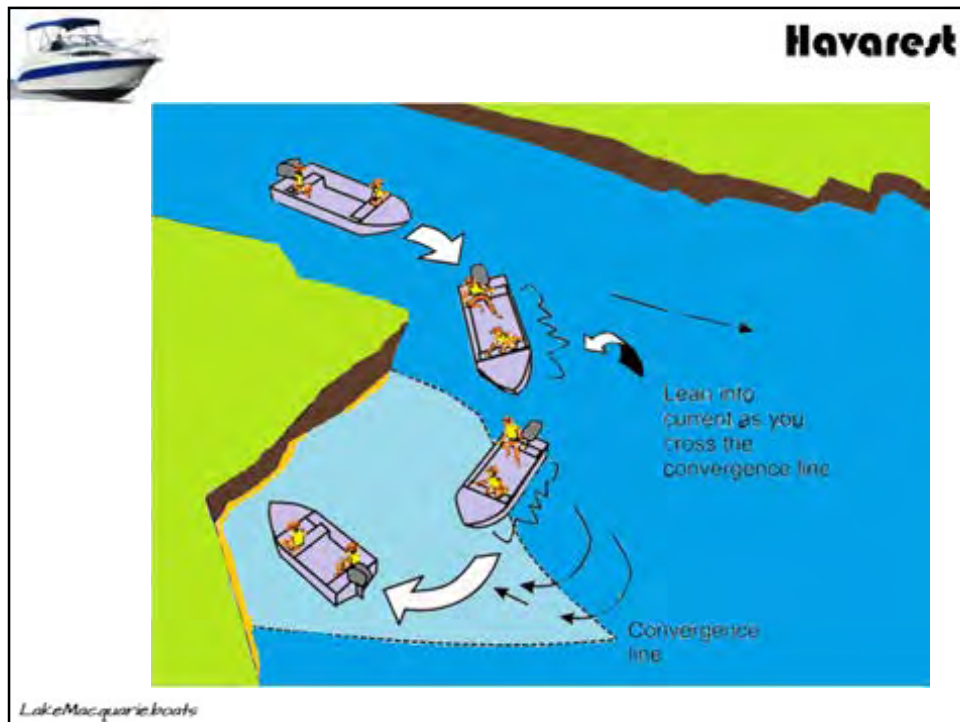


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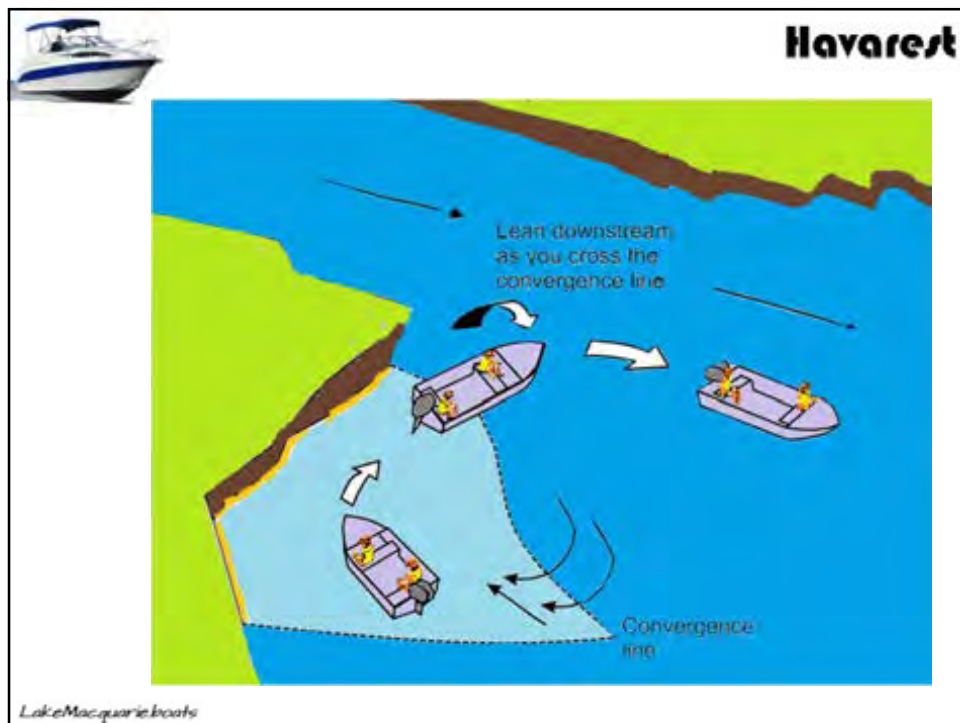


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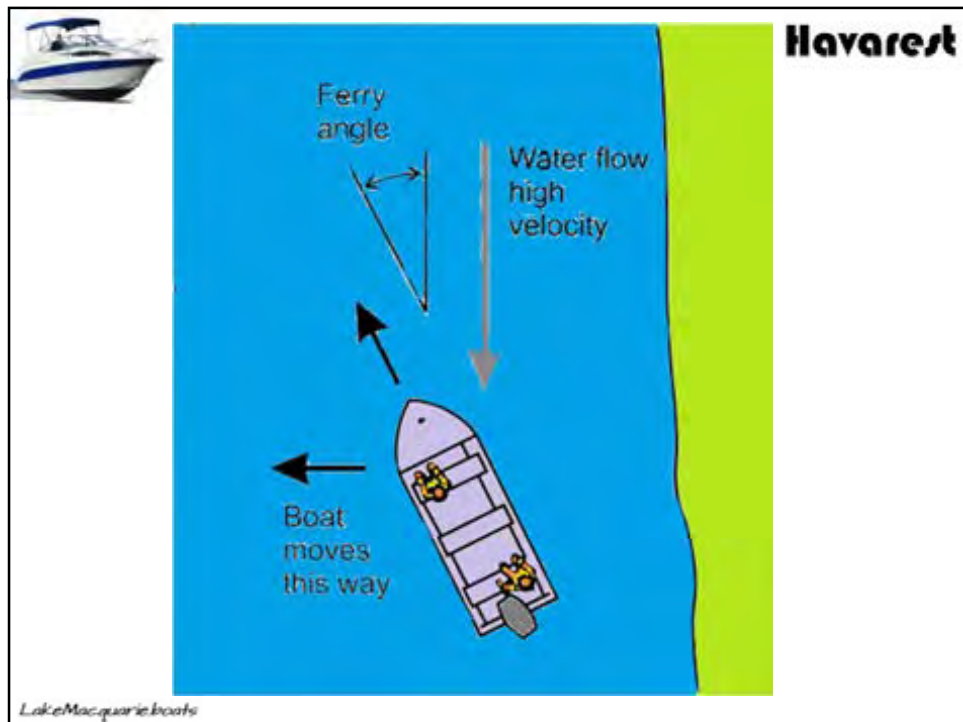


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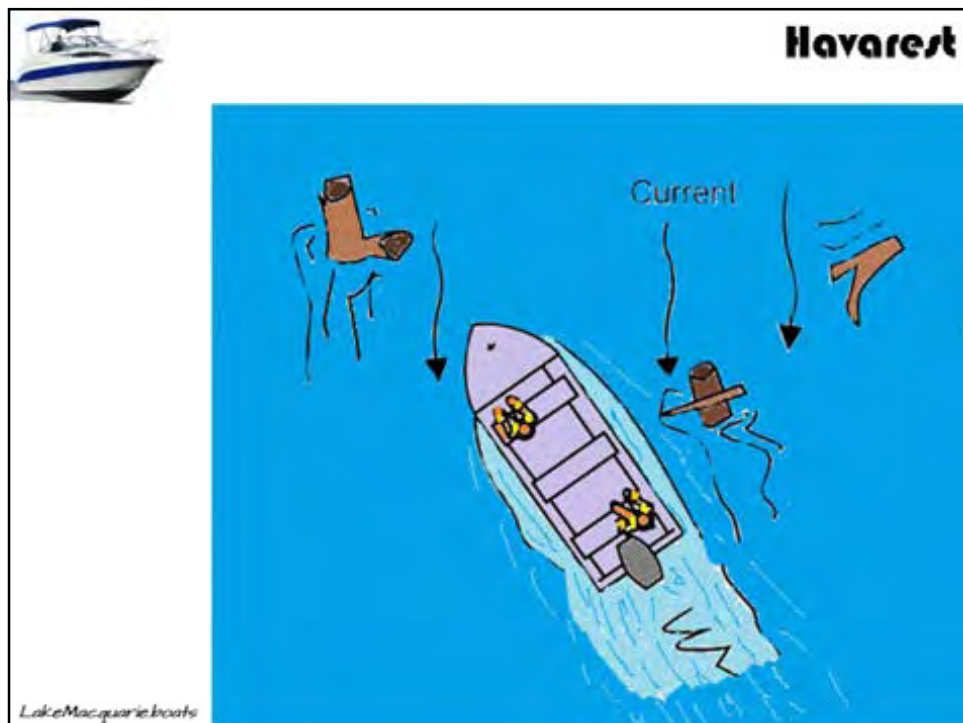


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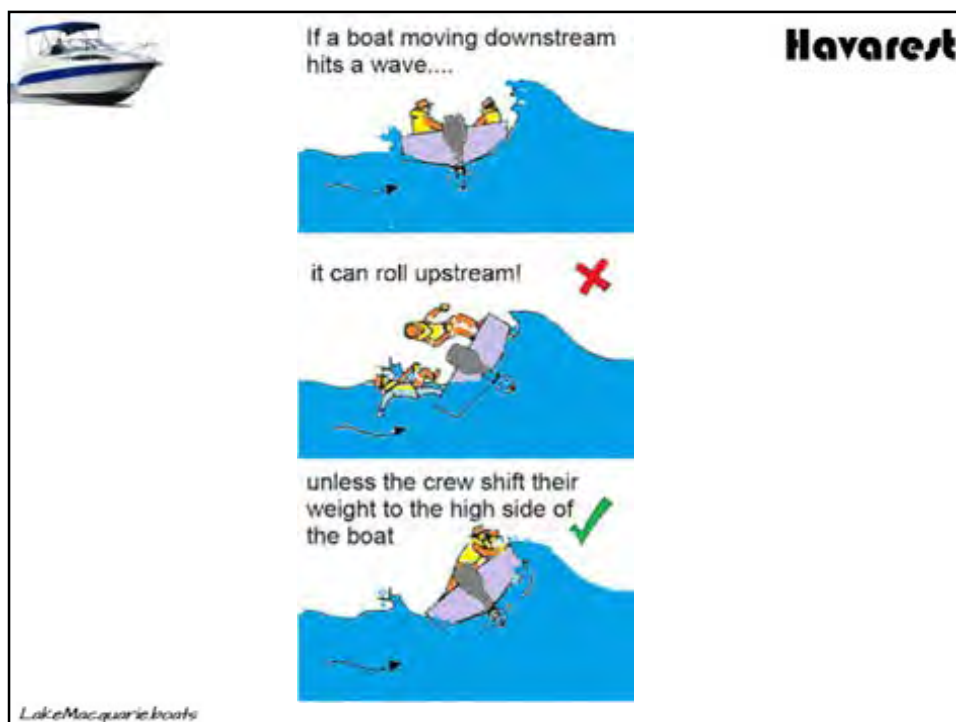


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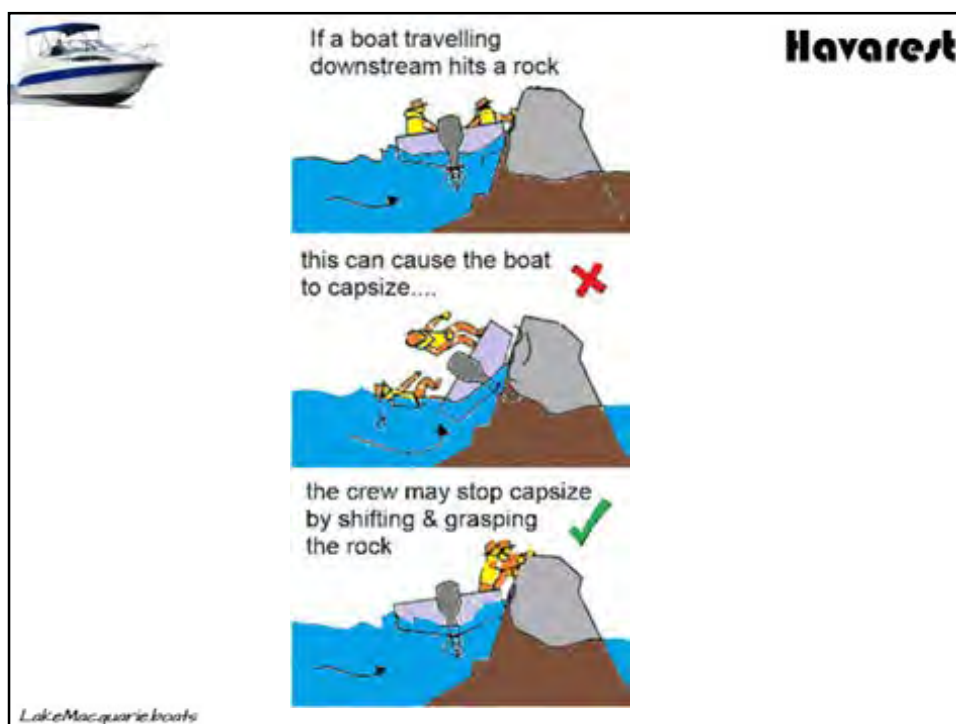


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Havarest

Mooring Buoy colours:

Private Mooring	Yellow
Commercial Mooring	Orange
Club Mooring	Red
Emergency Police, etc.	Blue
Public Courtesy Moorings max 24hr	Pink

Check the waterways local charts for mooring locations

LakeMacquarieboats

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Havarest

Lake Macquarie is a great place to have fun on the water




LakeMacquarieboats

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