



## E camp Boat drivers info

### Dear drivers

Thank you so much for giving up personal time to come and spend it over Easter at Finlay Park.

E camp always is the highlight of our year, being able to see some 900 intermediates come through the gates and hear about their creator is awesome.

The rocket, magic carpet and biscuit rides are probably the most popular activity so we want to be prepared and make it run as smoothly as possible.

Currently we have 5 – 7 boat drivers attending E camp, some of which have past E camp experience.

Below is some info to prepare you for the job at hand. Obviously participant and driver safety is very important to us so please familiarise yourself with the data below.

### Some (Navigational bylaw) points to remember:

#### 1. Speed

- a. No skipper shall, without reasonable excuse in inland waters, operate a vessel (including a vessel towing) at a speed exceeding 5 knots within:
  - a) 50 metres of any other vessel;
  - b) 50 metres of any person in the water;
  - c) 30 metres of the shore;
  - d) 50 metres of any structure;

**Note FP:** as we have a number of vessel going around we ask that you steer clear of all other vessels, especially when following another vessel.

#### 2. Life jackets

- a. Every skipper of a vessel 6 metres or less in length shall ensure that:
  - While the vessel is underway, each person on board wears a properly secured personal flotation device of an appropriate size that securely fits each person;

#### 3. Cell phone

- a. All skippers must have 1 means of communication. On the day we will ask you all for your cell phone details, and we will give you ours in case of any emergencies.

#### 4. Spotters

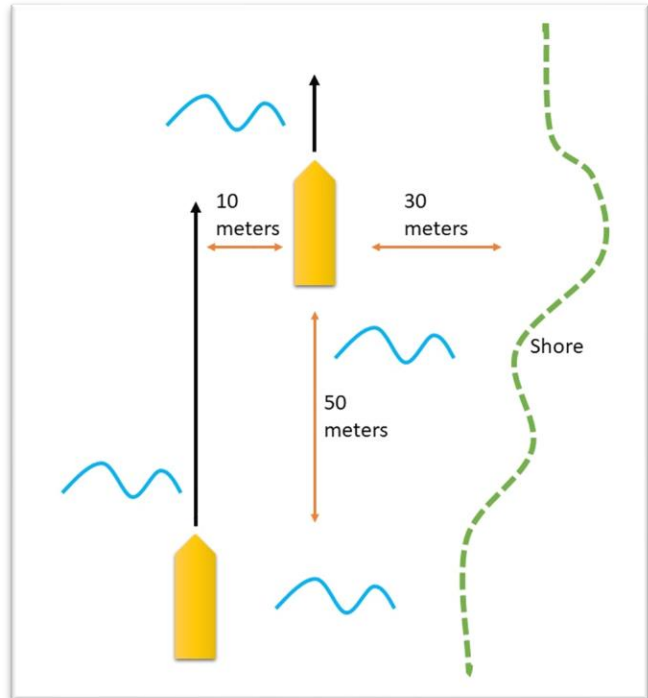
- a. Each vessel must have one spotter. You can provide your own spotter or we can provide you one, however the spotter must have the minimum age of 14 years or older (The Nav bylaw requires a minimum age of 10 years).
- b. We recommend two spotters on each boat ;
  - i. One observing the towed devices
  - ii. And the other observing the direction of travel. An extra pair of eyes with that number of vessels running the same course could be helpful.
- c. Note: Spotters full attention must be on the participants at all time.

#### 5. Rides

- a. Where possible rides should be no longer in duration than 4 – 5 minutes
- b. Visually check participant's lifejackets/ PFD. They must be all checked by staff on the raft first and foremost but it's worthwhile to double check.
- c. Always move in an anti-clockwise direction around the lake (see map attached).

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- d. Do not closely follow another vessel (see Nav bylaws; min 50 meters). If you are following another vessel please do not follow their line directly as this will increase your chance of running over someone if their participants fall off. (see fig 1)  
Our recommendation would be to increase that distance to 80 meters.
- e. Do not cruise near to the shore due to submerged object or shallow areas, but also to prevent your inflatable from hitting the shore ( see map) or obstacles near the shore
- f. Certain areas (**see map**) are less than ideal for participants who fall off. Please try and keep participants on the biscuits/ rockets in those areas.
- g. Approach our raft slowly and have participants jump of inflatables 5 meters from raft.



### 6. Emergencies

- a. Contact Ian 027 281 43 43
- b. Contact Gus 027 78 45 996
- c. Jo 027 249 04 27
- d. Please notify us immediately if you have any medium or major incidents (see graph below)
- e. Please notify us of any hazards or other problems as soon as possible

Emergency code	Severity	Example
<b>0</b>	Minor accidents, not life threatening, no need to return to shore, no immediate need for outside help (severity scale 1 - 2)  Minor mechanical issues	Scratches, bruises, small mechanical errors (lights, bilge, other issues) but boat is still operational
<i>Follow up response</i>		
	<i>Fill out incident form or hazard form on return. Inform senior staff as soon as possible.</i>	
<b>1</b>	Minor to medium accidents that need attention, activity needs to be on hold, possible need help from shore. Severity scale 3 - 4) Minor mechanical issues that cannot be fixed without certain tools or knowledge from boat operator	Minor concussion, cuts, mild hypothermia, mechanical error (engine problems such as running hot or irregular) boat is possibly not operational
<i>Follow up response</i>		
	<i>Contact base and/ or nearest staff member immediately and ask for advice.  On return to base fill out appropriate forms</i>	
<b>2</b>	Medium accidents that need immediate attention, activity needs to be on hold or stopped, definite need for help from shore, medical expertise necessary. Severity Scale 5. Major mechanical issues that need specialist attention	Cuts, major concussion, possible fractures, moderate hypothermia, Boat not operational (engine failure, fuel leak, hull fracture, minor collision)

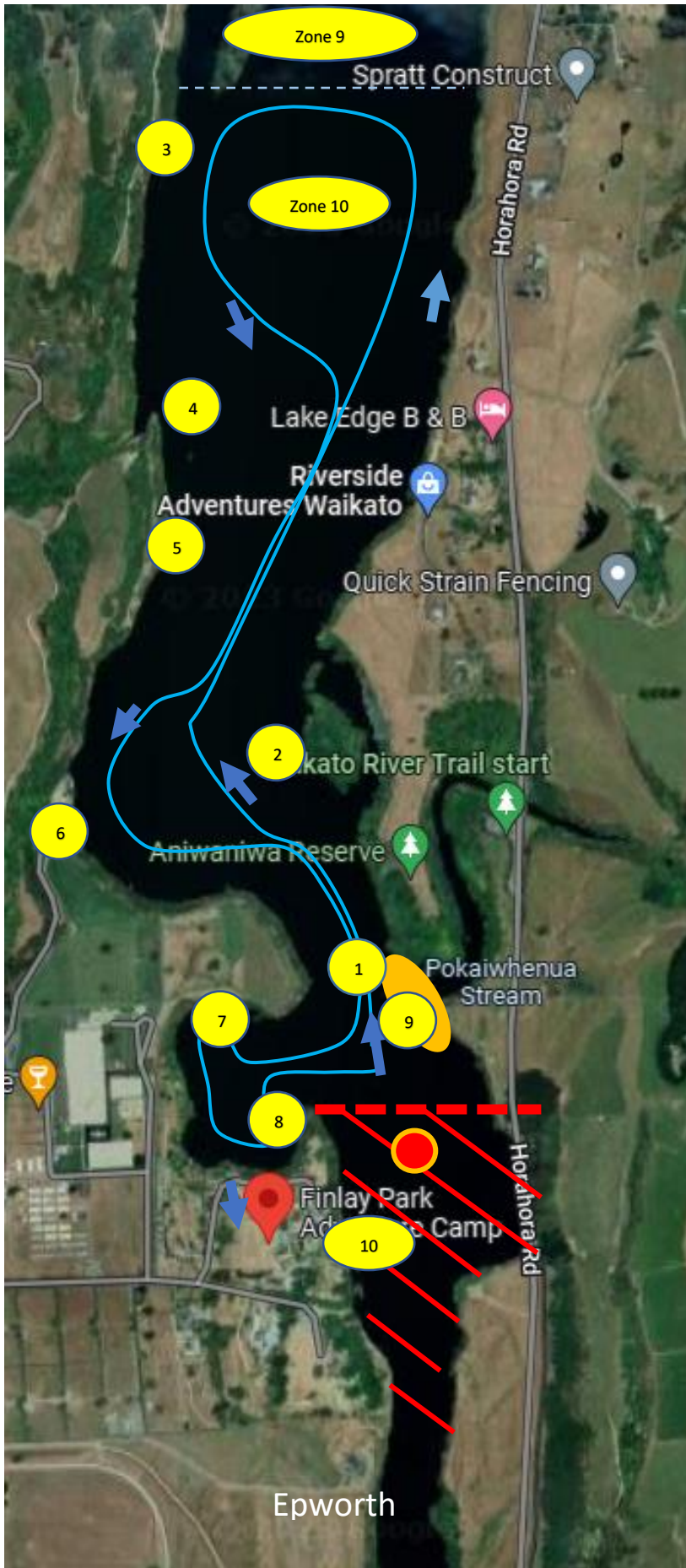


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<p><i>Follow up response</i></p>	<p><i>Contact base immediately and senior staff to be on the scene asap. Senior staff to contact emergency services. If Senior staff unreachable, skipper to contact emergency services.</i></p> <p><i>On return to base fill out appropriate forms.</i></p>	
<p><b>3</b></p>	<p>Major accidents that need immediate professional medical or other specialist attention. Severity Scale 6 and up</p>	<p>Drowning, major collision, fire, major boat leak, multiple injured persons</p>
<p><i>Follow up response</i></p>	<p><i>Contact base immediately and senior staff to be on the scene asap. Senior staff to contact emergency services. If Senior staff unreachable, skipper to contact emergency services.</i></p> <p><i>On return to base fill out appropriate forms.</i></p>	

## Lake Karapiro Map

See next page



When towing biscuits turn around before the large island, that keeps you in Zone 10. On the left side you can also see a large APL sign on a wakeboard kicker, good indicator to turn around.

The lake is Anticlockwise, watch out for Wake surfing boats.

**Point 1 Crossing point.** Very narrow! Watch out for returning boats and please do what you need to do to keep participants on your device in this area.

**Point 2** Weed on the corner. This is a shallow area!

**Point 3** is the APL kicker.

**Point 4 Submerged stump.** Has a marker on it

**Point 5** Maimai's and weed.

**Point 6, private concrete boat ramp**

Pick an area to turn between 4, 5 and 6

**Point 7 The Lagoon.** Take care entering the lagoon, could be participants or vessels around the corner. Line up for more participants at point 8

**Point 8** is the pickup point. Approach slowly

South of the Finlay Park point is a 5-knot zone, it is a fair distance from Epworth to the point.

Infront of Finlay Park is a waterslide. (10) If in use stay well clear, there is a buoy to mark maximum distance someone has made it out into the water.



## E camp Boat drivers info

Activity	E camp Boating activities			Supervision category	Private vessels at FP
Area	Lake Karapiro, Zone 10, and 11			Date reviewed	March 2023
Hazard (what poses the threat)	Poss. Risk (injury outcomes)	Category (environment, people, equipment)	Risk Rate	Controls in place (What we do to either eliminate, minimise or isolate the hazard or risk)	Responsible (who is responsible for dealing with this hazard during activity)
Water	Drowning	envir	High	<p>Participants wear lifejackets which are checked by the adult supervisors. All lifejackets must fit according to these checks: 1) shoulder straps must not be so loose that it can be pulled over the ears of the participant, 2) all clips and zips must be done up.</p> <p>Boat drivers will be unable to physically check lifejackets of participants themselves, but must perform a visual check prior to departing. All people on board vessels must wear life jackets.</p> <p>On the raft whilst waiting for vessel to return, participants are supervised by adults, and instructed not to swim in the lake. Only returning participants will be in the lake on the RH side of the raft where the stairs are located.</p> <p>When retrieving a participant into your vessel, always approach slowly, turning vessel engine off when almost there. It is recommended once the vessel engine has been turned off to put the gearbox back into gear, so there can be no prob spin or engine accidentally started.</p>	Boat drivers and supervising adults of the raft
participants colliding	(Head) injuries	people	High	<p>Towing inflatables is a high risk. All care must be taken to provide 1<sup>st</sup> and foremost a safe ride. The safety of participants is paramount and their enjoyment of the ride 2<sup>nd</sup>.</p> <p>Boat drivers should operate between 12 to 18 Knots.</p> <p>When towing more than one tube ensure the tow ropes are exactly equal length to avoid rope burns and entanglement.</p> <p>Biscuits and other inflatable devices must be in good condition with no rips or tears in the surface areas as entrapment can be a concern, specifically fingers.</p> <p>When towing more than 1 biscuit or inflatable, avoid devices from bouncing into each other.</p> <p>Avoid lake banks and shallow areas at all cost. Be aware of the tow rope length and the distance a device can slide around the boat and potentially hit an object.</p> <p>Avoid hitting wakes at max tow speed and having participants become airborne.</p>	Boat drivers and spotters
Tow rope	Rope burn	people	Medium	When picking up participants who have fallen off, please approach slowly and encircle person to ensure they are safe from other vessels passing and safe from rope burn	Boat drivers and spotters
Visibility participants	Lost participant	people	High	All participants must wear yellow helmets in order to be seen easily in the water. Each vessel must have a spotter aged 14 or over who must be able to stay focussed and pay attention at all times. Due to the number of vessels and participants it is very important participants must be able to be seen at all times.	Spotter
Boat	Participant run over	people	High	As above (helmets, spotters). All drivers must avoid directly following another vessel. Drivers must pick a different line from the boat ahead and keep a distance of at least 50 meters or more. Higher risk areas are marked on a map. In those areas it is advisable to create a greater distance between vessels and be aware of other vessels going to opposite directions.	Boat driver and spotters
Submerged obstacles	Crash into submerged obstacle	envir	Medium	Where possible fallen trees in the lake are removed and towed away. Boats drivers must always stay clear of side of lake to at least 30 meters. A map with low and submerged objects is available	Boat driver
weather	Hypothermia	envir	Medium	On cold and wet day's session might be cancelled or shortened and participants are advised to wear wetsuits or other insulating materials. The raft is covered so participants can get changed and or store warm clothes or towels on their return. (ride time: 5 minutes per ride). The spa pool will operational for warm ups.	Supervising adults and boar drivers



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weather	Sun burn	envir	Medium	Participant are advised to wear sun block at all times on exposed skin	Supervising adults and event organisers
Other activities	Collisions/ injuries	People	High	All vessels must only travel at 5 knots max speed in lake zone 12, the area in front of Finlay Park. This area is used for kayaking, paddle boarding, and other activities on the water. When approaching the jetty at Finlay Park all care must be taken not to enter the Slide or Blob zone. Please see the yellow buoys in the water.	Boat drivers