

Hazard or Causal Factor	Risk	Likelihood	Severity	Priority	Minimise Prevent Isolate	Management Plan	Crisis Management	Responsible Person	Timeframe	Checklist actioned
	Injury (i) Equipment (e) Surrounds (s) Finance (f) Credibility (c)									
What could go wrong? And what could cause it to go wrong?						How do we stop it from happening?	What do we do when it happens?			
People										
Student suffering known medical condition	c	2	3	7	m	May not be preventable	Know medical information for these students and how to respond	Manager and coach	From start	
Student behaviour putting Normal operation in jeopardy	l e s f c	1	5	6	i	All participants gain prior approval from parents by enrolling. Stated they are competent swimmers and can swim 50m. Expected to behave sensibly and considerately, focussed on task. Sign in at start of session and that they have transport home.	Contact parents, Director, complete incident report, consider exclusion from course, no refund.	Director, coaches	On day	
Student not arrived home:	c	2	2	4	m	Students to sign in at start of session and at end to indicate they have transport home. Sign in / out sheet at all sessions. Coaches must account for all students at all times until their transport home has departed. Have parents and students contact details.	Arrange transport for student, Contact parents.	Coach	First day's safety briefing, and daily thereafter.	
Hanging masts or moving to-from storage	i	3	2	5	m	Students be advised and shown how to suspend masts in shed and how to carry them (Hanging Stirrup should be near the base of the mast)	First Aid and transfer to Doctor or hospital for assessment. Contact parents, notify Director, complete an incident report.	Coach	First day's safety briefing	
Equipment										
Metal edge of beach trolley when moving the yacht.	l	2	2	4	m	Students advised wear shoes for sailing. Keep feet away from aluminium trolley front.	First Aid at club. Assessment and transfer as required. Contact parents, notify Director complete an incident report.	Coach	First day's safety briefing	
ground tackle	l c	2	3	5	m	Students advised wear shoes and to carry weights carefully.	First Aid at club. Assessment and transfer as required. Contact parents, notify Director, complete an incident report.	Coach	First day's safety briefing	
Spilt fuel during carriage or refuelling	l e s f c	1	3	4	i	REFUELLING by experienced people OUTSIDE of shed. Carried out at time clear of classes.	Fire Extinguisher (powder type) on hand, Sand for MOP up	Boat master	Night before or before registration opens.	
falling mast.		3	3	6	m	420 has a false forestay: Forestay must be secured or held when mast is in place in the boat. When unrigging, the forestay holder must check the "fall line" of the mast is clear before release.	Apply first Aid principles.	Coach	First day's safety briefing	
Rigging failure/fault	l e f c	4	3	7	m	Coach check each yacht is adequately rigged and fit for purpose, Seaworthy. Maintenance team check and respond to maintenance items they are informed of.	Apply first Aid Principles. Note all maintenance items to the maintenance team directly or on the white board.	Coach	on going	
People backing trailers, RIB exiting shed	l c e	2	2	4	M	Post a lookout		Coach	on going	
Storing equipment / Loading RIB with weights	l e f c	2	2	4	M	Get someone to help you with heavy loads		Coach	on going	
Waving boom or capsizing boat	i	2	2	4	m	Students warned not to stand near end of boom or to hold the boom when the boat is on shore Show students where to stand and consequences of holding the boom. ie Safe area is in front of sailboat sidestay to sidestay. NEW SAILOR wear HELMET	Apply first Aid principles	Coach	First day's safety briefing	
Environment										

On Land / rigging area

	Green algae on ramp. Person slipping on ramp	l c	3	5	8	m	Students be advised and shown where the ramp is very slippery. No Running down the ramp. Occasional "de slime" by EBY&MBC	First Aid and transfer to Doctor or hospital for assessment. Contact parents, notify Director, complete an incident report..	Coach	First day's safety briefing
	LTS Weather: Wind Speed putting group at risk.	l e f c	4	4	4	m	Don't Go if its windy, run a class session.	On arrival at TRIYA Coaches check weather actuals at Burnham Wharf. Wind below 20Kt max in the last 10 min. Look at trend as well.	Coach	Ongoing
	Hard Stand area and Tavel lift operations	l c	2	4	6	i	Warn students not to enter area: Especially when sanding dust and esp when travel lift operating.	First Aid at club. Assessment and transfer as required. Contact parents, notify Director, complete an incident report.	coach	First day's safety briefing
	UV sunrays		4	2	6	m	Include sunburn cream on gear list. Supply SPF30+ at HQ. Encourage students to put it on.	Cooling and cover.	Coach	First day's safety briefing
	Theft from change rooms or TRIYA shed.	e f c	2	2	4	m	Students not leave gear in the change rooms. but kept in the TRIYA shed.	Report to police	Coach	First day's safety briefing
	People									
	Injury: Coach Boat: Man overboard or falling in Coach boat due to rapid acceleration	l c	3	3	6	m	List of Designated drivers of the RIB. Passengers warned to not drag themselves or any body parts in the water. Train Coach crews to warn passengers to hang on if evasive manoeuvres imminent.Coaches think about the position of your power boat relative to other boats. Teach man overboard drill.	List of Designated drivers of the RIB. Apply First Aid and get person ashore. Fly AP/H for all boats go ashore, call ambulance if severe.	Coach	First day's safety briefing
	RIB driver behaviour	l e f c	3	5	8	m	Qualified and Designated person only to operate the boat. At least 15 years old. Ensure at least one competent, capable operator on each boat with assistant in wetsuit to enter water in need. Briefing of crew in procedures. Document all training given	List of Designated drivers of the RIBs. Apply First Aid and get person ashore. Fly AP/H for all boats go ashore, call ambulance if severe. Notify Director and Students Parents.	Coach	On going
	Anchors puncturing RIBs	l e f c	1	2	3	l	Don't use anchors. File sharp edges, mark chain at 1m.	All boats Come ashore	Coach	Ongoing
	COLD WET WIND	l c	5	4	9	m	Students informed of type and amount of clothing suitable for sailing. Suggested gear list published. Pre sailing check by Coach. Some spare gear held at TRIYA as needed	Coaches monitor students' Hypothermia symptoms (Current First Aid Certs) and get students ashore and warmed slowly.	Coach	on going
	Equipment									
	grazed or broken fingers from boat/wharf.		2	2	4	m	Students shown the need to keep fingers and other body parts off the gunwale (edge) of the yacht when coming alongside another object.	First Aid Principles	Coach	First day's safety briefing
	RIB sliding off trailer	l e f c	1	2	3	M	Don't unhook boat until in the water, make sure hook on before pulling up the ramp.	First Aid if required	Coach	on going
	Motor left down	e f c	1	2	3	M	Check motor is up when moving RIB		Coach	
	Bungs left out	e f c	2	2	4	M	Check bungs are in before launching		Coach	
	Coach boat unable to respond to situation		1	3	4		Check starting and operation of motor prior to launching.Note any problems to maintenance team ASAP so next group is not disadvantaged. Equipment to be serviced regularly and kept in good repair. Fly appropriate flags to get appropriate response. Flags (L, AP/H) to signal to all to go ashore and wait, or (L) come to the Coach boat.	Fly appropriate flags to get remaining yachts to go ashore (AP/H). Radio or cell phone call for assistance WSR	Coach , Maintenance Team	Ongoing
	Injury from propeller whilst Coach	l e f c	2	5	7	M	Have reasonable guard on propeller. Include propeller safety in H&S briefing	First aid, Radio/cell phone ambulance	Maintenance, Coach	First day's safety briefing
	Environment									

LAUNCHING AND RETRIEVING Coach BOATS / Coach BOAT USE ON WATER

L	Coach boat launch - retrieve. Slippery ramp, Waves	l c	4	4	8	m	Note "Green line" slippery. Have at least 5 students on rope to control trailer down the ramp. Keep hands clear of space between boat and winch. Coach appoint experienced person to oversee. An "in charge student" make sure the others are safe.	First Aid and transfer to Doctor or hospital for assessment. Contact parents, notify Director, complete incident report.	Coach	First day's safety briefing	
	Sunburn: Reflective sunrays from the water surface amplify radiation.	l c	5	2	7	m	Include sunburn cream on gear list. Supply SPF30+ at HQ. Encourage students to put it on.	Cooling and cover.	Coach	First day's safety briefing	
	Other Coach Agency: Attending Yacht afloat unoccupied		1	5	6	m	If sailors removed from yacht, then Large X (Crayon is under the seat of the Coach boat) to be marked on upturned hull. Indication to Coach operations, eg. WRS or police, that the people have been taken off.	Mark upturned hull with large X using crayon	Coach	First day's safety briefing	
People											
LAUNCHING & RETRIEVING SAIL CRAFT	Body parts between boat and ramp/wharf	i	2	2	4	m	Show students how to launch, embark and sail away from wharf, Show how to come along side and disembark. SIT, Fingers legs away from gunwhales.	Apply first Aid Principles.	Coach	on going	
	Injury: Danger from Propellers of Coach boats or other water users (eg Jet Ski)	l e c	2	5	7	m	List of Designated drivers of the RIB. Propeller shielded. Sailors warned not to have feet near the back of the Coach boat unless the motor is off. Train Coach crews to engage neutral (or kill motor if appropriate) when near sailors in the water. Coaches thinks about the position of your power boat if sailor falls overboard from the yacht you are beside and talking to.	List of Designated drivers of the RIB. Apply First Aid and get person ashore. Fly AP/H for all boats go ashore, call ambulance if severe.	Coach	First day's safety briefing	
	Equipment										
	Damage to boats when launching	e f c	1	2	3	M	Watch for collisions with other boats. When launching a group, supervise orderly exit from ramp.		Coach	first day sailing	
	Injury: Sea creatures	l s	1	3	4	m	There are stinging jelly fish in Evans Bay. Coaches note the presence of them at sea. Full length wetsuits advised.	First aid: Cool the area, and call ambulance if severe.	Coach	First day's safety briefing	
	Environment										
	Cold Wet Wind conditions for Hypothermia	l c	5	5	10	p	Students informed of type and amount of clothing suitable for sailing. Suggested gear list published. Pre sailing check by Coach. Some spare gear held at TRIYA as needed	Coaches monitor students' Hypothermia symptoms (Current First Aid Certs) and get students ashore and warmed slowly.	Coach	on going	
Incident requiring Communication to all boats at once	e c	1	3	4	m	Set of flags under seat of RIB. Teach students the role of flags and the meaning of important safety ones.	Signal all boats example (AP/H) " go ashore and wait". Or (L) "come here/ follow me"	Coach	Ongoing		
People											
Sailors at risk when launching before Coach boats on water	l e f c	4	2	6	M	Discuss at briefing, COACH to control	Call back	Coach	At least on first day sailing		
Collision between boats 420 v 420, RIB v RIB, RIB v 420 resulting in damage/injury	l e f c	2	2	4	M	Educate sailors in give way rules, run a rules seminar	Boats back to shore, deal with injury or damage.	Coach	At least on first day sailing		
Coach boats exceeding speed restrictions when not an emergency	l e f c	2	2	4	M	Include speed restriction information in training (5kts within 200m of shore)	Reprimand	Coach	On going		

ON WATER MANAGEMENT	Harbour Services not know where you are	l e f c	2	3	3	P	At Launching Radio channel 14 Beacon Hill. Name of Boat reporting, Indicate Where you are how may people "POB" on the water in your group including yourself, how many RIB how many sailing dinghys , WHAT you are doing What time you expect to be off the water You are listening on Channel 77 if they need contact They will ask you to call again when all ashore.	Emergency - Radio Channel 16 for assistance	Coach	Ongoing every time	y
	Rocks/other boat traffic, particularly Large ships coming to Miramar Wharf.	I C E F	2	2	4	M	Cover at sailors briefing. Note requirements from Harbour Authority. Display instruction sheet. Laminated sheet under Coach Boat seat	When shipping in Evans Bay all yachts to be on West side of Shoal Pile and south of Breakwater/ Miramar Cutting.	Coach	on going	
	Student: in difficulty following capsize due to inadequate swimming ability	l c	1	4	5	p	Ability to swim 50m prerequisite of enrolment. Registration requires tick off of swimming ability. All people on the water are to wear life jacket/bouyancy aid at all times on the water (including bringing the Coach boat from wharf to the launching ramp). Coach boats to stay in close attendance to assist in need. Coach boat must be afloat before yachts are afloat. TEST Swim on non-sail day.	Apply First Aid principles, Airway Breathing Circulation. Apply CPR if required. Notify Director and complete incident report	Coach	on day	v
	EMERGENCY: Drowning / serious injury/death	l s	1	5	6	p	Coaches vigilant. Are competent, experienced operators and passed minimum Club Coach YNZ. Current First Aid Certificate. Parent phone numbers WSR police numbers on hand.	Apply First Aid Principles, ABC and Call police/Ambulance on secure line ring 111, Coach boat in attendance retrieve person to Evans Bay. Wellington Sea Coach monitoring channel 62. Notify parents and Director ASAP. Complete incident report. Director or Head Master to disseminate information post incident.(Media)	Coach	On day	
	Failure of officials: to act in accordance with safety procedures, unco-ordinated, delayed responses due to lack of clarity	l e s f c	1	5	6	p	Risk Management Plan published. Provide clarity about responsibilities and processes instruction in advance. Warning to official if a problem occurs. Removal of official from such duties if behaviour persists	Removal of official from such duties if behaviour persists	Director of Sailing	Ongoing	
	Equipment										
	Head knock from boom.	l c	B	C	0	M	New Sailors wear supplied Helmet. Appoint new sailors sail with experienced sailor. Students shown the need to keep head down particularly in certain manoeuvres. Crew hold onto the kicker/vang during gybes. Facing forward.	Apply First Aid Principles, for concussion. Call police/Ambulance on secure line ring 111, Coach boat in attendance retrieve person to Evans Bay. Wellington Sea Coach monitoring channel 62. Notify parents and Director ASAP monitor the pupil and complete incident report. Director or Headmaster to disseminate information post incident.	Coach	First day's safety briefing	
	Poor radio contact	l e f c	2	3	5	M	Service/charge radios, have back up radios	cell phone back up. Required by MNZ. Two methods of contact.	Coach	on going	
	Poor maintenance results in Coach boats breaking down	l e f c	2	3	5	M	Establish maintenance schedule and responsibility roster	anchor, call for assistance	Coach	on going	
	Radio Blackout	e f c	2	2	4	m	Radios checked and charged each session. Radio check prior or soon after launching. Have cell phone aboard.	Use cell phone	Coach	On going	
	Environment				0						
	Weather: Weather deterioration putting group at risk.	e f c	3	3	6	m	Include in safety instructions, what to do if very windy or cannot right the boat.(Don't let go the boat... Sit on bottom of upturned boat.) Coaches check weather forecast from at least two sources on the day. No on water activities if wind at or above 20kts. Coaches have radio channels for assistance. Or numbers to ring. Have appropriate flags to signal instructions to yachts.	Fly AP/H to signal all boats go ashore and wait. Radio on channel 16 noting Call sign, "This is Triya Coach ZMW8741" [Mayday, Mayday, Mayday, If life at immediate risk.] [Pan Pan Pan, if people not at risk eg sitting on bottom of the capsized boats] for assistance. If you Take people onto Coach boat, Mark " X " with crayon on upturned hull.	Coach	Ongoing	

EVENT MANAGEMENT	Normal operation			0	All participants gain prior approval from parents by enrolling. Stated they are competent swimmers and can swim 50m. Expected to behave sensibly and considerately. Sign in at start of session and that they have transport home.		Director, coaches	On day	
	Damage to TRIYA vessels and or equipment	e f		0	Participants aware from enrolment form that both the skipper and crew will be billed for damage up to a total of \$500 if damage occurs.	Sailors of the boat and coach provide report, immediately after getting ashore, of what happened. Parents and participants contacted . Repairs undertaken with assistance from the contribution.	Sailors, Coach, Director.	On Going	
				0					

Suggested Clothing

On water
 2 x Polypropelene or woolen shirt/jersey
 Wet suit
 Shoes soft sole
 Beanie or cap. (head warm and eye shade)
 Sunscreen
 (Buoyancy aid and windproof jacket is supplied)

Ashore
 Towel
 Warm windproof Change of clothes

These items of clothing are **NOT good** in water
 Jeans or track pants
 Baggy or thick jackets
 Gumboots
 Hoodies or large cotton jerseys
 T Shirts
 Most of these become heavy and cold when wet.
 but OK on the Dry land

SIGNED BY COACH as ACKNOWLEDGED, UNDERSTOOD and WILL COMPLY	Name
	Date

Version History				
Title	Version	Status	Date	Author / approved
Hazard Management Plan	V4	Current	10/09/2020	Phil / Trustees
Hazard Management Plan	V3	Edited	8/10/2019	Phil / Trustees
Hazard Management Plan	V2	Edited	6/09/2018	Phil / Trustees
Hazard Management Plan	V1	Edited	Original	Phil / Trustees