

Powerboat

Document updated 31/01/12 by: Paul Melling & Jenny Lantry



PURPOSE	<ul style="list-style-type: none"> To provide a vehicle for safety and rescue To acquire and practice handling skills as per RYA powerboat scheme. As an educational activity, especially applicable to students with special needs. 	OUTCOMES	<ul style="list-style-type: none"> Sense of achievement and meeting challenge Shared responsibility, trust in peers (buddy system), and safety awareness. Increased understanding of water environments. Create an activity and an atmosphere where an element of perseverance is required for success. Enhanced self-esteem, sense of achievement. Understanding natural elements and phenomena e.g. tides, currents and wind. Safe and responsible use of motorised craft. Good seamanship.
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	Required	Recommended	Suggested
EQUIPMENT CONCERNS	<ul style="list-style-type: none"> Buoyancy aids or life jackets for all participants. Appropriate clothing for boat and conditions. Boats marked with centre name and telephone no. Bailer and anchor. Kill cord used. Appropriate means of alternative propulsion. Safety pack to be carried in fleet. Mobile phone and VHF. Anchor stowed safely. 	<ul style="list-style-type: none"> Waterproof/windproof layer 	Materials/resources. (There are books at Ardwhallan for ideas)

	Before leaving the centre	Pre-session briefing	End of session
STANDARD OPERATING PROCEDURES	<ul style="list-style-type: none"> Tie glasses on for spectacle wearers. Foot wear to be worn. Any medication to be kept at hand Life jackets (instead of buoyancy aids) must be used for Epileptics Appropriate dress to the conditions Safety boat on water before any of the fleet is launched. Fleet control signals. Ratios (students and powerboats) to operate within manufacturers guidelines. Engines started with gear in neutral position and low revs. Students briefed to avoid elbow when starting engines by pullcord. (Aux engine) Speed kept to minimum level in dock and mooring areas. Briefing re. care on slipway, launching and recovering craft. Powerboats to cut engines on approach to swimmers and whilst embarking / disembarking passengers. Instructors to demonstrate appropriate boat handling and behaviour at all times. 	<ul style="list-style-type: none"> Dangers relating to lifting and carrying boats, buddy system etc. Dangers relating to site e.g. dock edge, slipway and run-off. An appreciation of other water users Fishermen Group control signals and boundaries of sailing area before going afloat. 	<ul style="list-style-type: none"> Powerboat to be secured to trailer and cleaned at end of session. Kit is returned to the Boathouse and it is locked Keys and kill cord to be kept in office. De-brief the group Complete Session Sheet and any other paperwork necessary

The powerboat it is only to be used as a safety boat or powerboat training and not for any other activity. Speed is be used only in the event of a rescue and fuel is to kept to a minimum by using the small fuel tank. Filling the tank should take place at the centre and not near the Reservoir as to stop any pollution contaminating it.

Generic Risks - Injebreck Reservoir.

Minimum Leader Qualification	Safety- RYA Safety boat Handler Powerboat Training- RYA Instructor	Minimum Assistant Qualification	In house assessed
Max group size with Leader	Safety cover - 6 single handed dinghies / or 3 crew dinghies Powerboat training- 3	Max group size with Assistant	

Instructors should be able to show evidence of having run a minimum of 6 sessions yearly and should be involved with regular training sessions in-house or other. They should also hold an up to date and relevant First Aid certificate.

Hazard	People at Risk	Control Measures	Risk (minimal, manageable, unacceptable)
Drowning	Staff & Participants	All sessions run by qualified staff Group to be issued with buoyancy aids & briefed on where to sit and hold on.	Manageable
Injuries while carrying equipment, loading/unloading trailer	Staff & Participants	All staff aware of the correct methods of lifting & carrying equipment Safe lifting to be explained & demonstrated Supervisions at all times	Manageable
Under laying rocks around the Reservoir	Staff & Participants	In low water season, remove large rocks and clear area Lift engine close to shore	Manageable
Equipment Failure	Staff & Participants	Regular equipment checks & records kept Visual & handling checks before and during session	Manageable
Fuel contaminating reservoir	Staff & Participants	Minimal fuel to be carried on power boat	
Hypothermia	Staff & Participants	Group clothing to be appropriate to weather conditions before the session All participants to be monitored for signs of hypothermia Session length and content should be appropriate to the temperature	Manageable
Heat Exposure/Sun Burn	Staff & Participants	Sun cream to be available Group to keep covered up and in shade where possible	Manageable
Being hit by cars on Road	Staff & Participants	Unload & load trailer in safe area, ie on slipway Groups to be escorted by member of staff on roads	Manageable
Being hit by safety boat	Staff & Participants	All drivers of the safety boat to be trained to a minimum of RYA Level 2 Power Boat	Manageable
Propeller	Staff & Participants	Engine to be turned off when arriving at rescue	Manageable
Uncontrolled coalitions	Staff & Participants	Area and direction to be explained to the group before getting on the water basic rules of the road to be expand to the group	Manageable
Boats hitting legs on jetty	Staff & Participants	Group to be made aware of the dangers of sitting with legs hanging off the jetty	Manageable
Injury from fishing hook	Staff & Participants	Footwear to be worn when walking around Ask fishermen to stop casting while group is passing through Cary first aid kit	Minimal
Pollution in the water/reservoir	Staff, Participants, Wildlife & Public	Boats to be kept clean Washed down with fresh water if moving from one location to the other	Minimal

Essential equipment

Personal – Buoyancy aid, cag, helmets (if appropriate) & personal medication. *Also check for warm clothing and appropriate footwear*

Group – Boats & buoyancy

Leader – Basic first aid kit, knife, phone, whistle

Site Specific Risks – Coastal

Minimum Leader Qualification	Safety- RYA Safety boat Handler Powerboat Training- RYA Instructor	Minimum Assistant Qualification	In house assessed
Max group size with Leader	Safety cover - 6 single handed dinghies / or 3 crew dinghies Powerboat training- 3	Max group size with Assistant	

NB: Required leader and assistant qualifications are dependant on sea conditions and operating areas. Please see the Isle of Man Government's "Safety in Outdoor Education" booklet for further details

Hazard	People at Risk	Control Measures	Risk (minimal, manageable, unacceptable)
Getting lost in fog	Staff & Participants	Weather forecast before setting out, if thick fog forecast rearrange to inland Venue Shore agent to have route and emergency procedures to carry out	Minimal
Being blown offshore	Staff & Participants	Communications to be carried Detailed weather forecast	Manageable
Broken paddles	Staff & Participants	Spare paddles and tow lines to be carried	Minimal
Damage to boat	Staff & Participants	Repair kit to be carried	Minimal
Medical emergency	Staff & Participants	Communications (inc flares) to be carried at all times as well medical sheets available for paramedic use	Manageable
Group capsized	Staff & Participants	Group has appropriate training for the event and instructor and assist understand their role to play in this event	Manageable
Collision with other water users	Staff, Participants	Flares and VHF radio to be carried to alert local shipping of your presence	Manageable
Injury by sea creatures	Staff & Participants	First aid kit to be carried which contain vinegar and due consideration to wild life and breeding areas.	Minimal
Instructor incapacitated	Staff & Participants	Instructor to have a good level of fitness and experience for level they are working Assistant to take over and activate appropriate emergency plan	Manageable
Being caught in tidal streams or overfalls	Staff & Participants	Good local knowledge of the areas and planned in accordance with tides and wind Continuous on-going training	Manageable
Fire on boat	Staff & Participants	Fire extinguisher to be carried	Manageable

Essential equipment

Personal – Buoyancy aid, paddle, cag, personal medication. *Also check for warm clothing and appropriate footwear*

Group – Boats & buoyancy, snacks & drinks

Leader – Group first aid kit, towline, knife, phone, VHF radio (leader must hold licence), whistle, flares, split paddles, repair kit, pump, bivvi bag, spare clothing & medical info for the group

Locations – Injebreck Reservoir

- In agreement with the Water Board, who kindly allow us to use the Reservoir, and DAFRA, who keep it stocked for fishing we have two designated launching areas. The first is at the slipway at the south end and the second is 400m up from there where we store our boats and equipment. Where possible prior warning should be given to other users of the reservoir by means of a sign placed at the location of launching with session times on.
- Keeping other users and wildlife in mind shouting should be kept to a minimum
- Vehicles should be parked clear of the slipway after unloading
- Swimming is not allowed in the water and only in structured sessions is entry into the water allowed as part of a rescue or confidence building exercise.
- All staff operating session on behalf of Ardwhallan Outdoor Education Centre will have an appropriate qualification and be signed off for use of the reservoir by a senior member of Adventure Education. Groups are to be encouraged to use the toilets at Ardwhallan, as there are no provisions at the reservoir.
- In the use of the powerboat it is only to be used as a safety boat or powerboat training and not for any other activity. Speed is to be used only in the event of a rescue and fuel is to be kept to a minimum by using the small fuel tank. Filling the tank should take place at the centre and not near the Reservoir as to stop any pollution contaminating it.

Locations - Coastal

Harbours are owned by the DOT and they should be informed of any activity inside the harbour walls. Care should be taken if working near by breeding/gathering areas of any wildlife. If watching wildlife let them come to you and not you to them.

Instructors must keep up to date with any changes to these Sailing Procedures (Copies of and altered procedures will be posted in the staff room and staff notified)