

Canal Boat - Angel Blue

HAZARD		WHO MIGHT BE HARMED	RISK CONTROL MEASURES
General	All Hazards	All participants	First aid kits available for use. Procedures and Guidelines in place by Surrey County Council. Staff on board / on call all day & night in the event of emergency. Group leaders to read and agree terms and conditions of use of the boat. Boat briefing by Surrey Outdoor Learning and Development (S.O.L.D.) staff on safety and use at the start of session. Group leader must bring completed group details such as medical information for all participants.
Human	Overbalancing on the stern rail and bow rail	All participants	All crew members to be made aware of risks of overbalancing on the stern rail and kept inside the stern rail at all times. All members must sit with feet on floor at all times.
Human	Slipping / Tripping / Falling in	All participants	'On Deck': Crew members should be made aware of the risk of standing at the very edge of the deck and sitting on the gunwale.' 'Moving along Cabin Sides': Crew members should not move along the cabin sides (gunwale) unless the boat is in open water where the risk of injury is at a minimum should they fall in.' 'Cabin roof': Crew members should not be allowed onto the cabin roof when the boat is in motion. For responsible people it may be appropriate to allow access to the roof while the boat is moored. 'Lock side' : Throw line to be carried. Crew members should stay away from lock edges. When crossing lock gates one hand should be kept on the railing. Staff should not leave the lock until all crew members have finished crossing gates or bridges. Crew members to walk at all times whilst near and around the lock. 'Canal side': Crew members to maintain safe distance from canal edge where possible. Wobble crew may be backed up by holding the rear of their life jacket/BA when operating paddles near the edge.
Human	Falling between boat and canal boat edge	All participants	Crew members to exercise care when stepping aboard. Wait for the gap to close and its safe to step
Human	Crushing whilst standing along the cabin sides	All participants	'Moving along Cabin Sides': Crew members should not move along the cabin sides (gunwale) unless the boat is in open water where the risk of injury is at a minimum should they fall in.
Human	Falling overboard when embarking / disembarking the boat.	All participants	Practice of one hand for you, one for the boat to be taught and encouraged. When stepping ashore crew members must not step beyond their normal reach having waited for the gap to close up. Crew members should not stand on seats except when boarding and leaving the boat at the bows.
Human	Injury to head, eyes, face, hands	All participants	Crew members to learn correct rope throwing / receiving techniques and to communicate when throwing. Groups briefed on potential hanging fishing lines and hooks in overhanging branches. Crew to be aware of low bridges, head injury and not grabbing/holding the bridge.

Human	Jammed fingers in tee studs, dollies, rings, bollards and cleats.		All participants	Crew members to be taught correct operational techniques.
Human	Injury form entrapment and entanglement		All Participants & Staff	Participants to be taught correct rope and sheet practices and techniques. Supervised by instructor / coach. Any equipment carried should be appropriately stored with no long loose trailing lines or loops. Safety brief given on entrapment. Knife easily accessible onboard for cutting free entanglement if required and urgent/life threatening.
Human	Burns to scalds or fires if cooking whilst underway		All participants	Crew to be aware of location of firefighting equipment. Evacuation procedure to be explained and understood. Adequate first aid kit to be available. Extra consideration for Crew members should be made in the kitchen area (galley) if stove / oven in use whilst boat is underway.
Human	Push / pull Injuries		All participants	Crew members to understand correct push / pull techniques with gates, windlasses, ropes.
Environmental	Drowning		All participants	Cold water shock briefed for and life jackets to be carried on board and worn outside when underway or when directed by skipper. Group always supervised rescue systems/training explained. Blanket or spare items carried to re warm individuals
Environmental	Risk of Fire		All participants	All crew members to be made aware of firefighting equipment. Instructors aware of cut off points for gas / electrical and fuel supplies. Evacuation procedures to be explained and understood.
Environmental	Dangling Fishhooks		All participants	Constant awareness should be maintained for upcoming hazards such as tree branches or dangling fishhooks.
Environmental	Being struck by bridges / overhanging branches		All participants	Crew members should not sit on the gunwales or roof. Clear warning given on approach to bridges or low headroom.
Environmental	Cold - exposure		All participants	Adequate warm indoor space. Warm drinks available. Blankets available.
Environmental	Hot - weather, sun burn, heat		All participants	Advice to wear protective clothing, sun cream, frequent refreshment breaks. Adequate areas out of the sun.
Environmental	Infection from Weils Disease		All participants	Ensure crew members are aware of risks and of need to regularly wash hands, keep exposed cuts covered.
Equipment	Pushed overboard. by tiller		All participants	To be avoided by keeping staff and crew forward of the tiller arc. Especially when boat is in motion astern.
Equipment	Injury if windlass slips from grasp whilst operating paddle		All participants	Crew Members to understand importance of using ratchet mechanism on paddles and keeping windlass properly engaged with mechanism. All users must turn windlass slowly with both hands-on handle.