

Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)										
				Seriousness					Likelihood					Risk Rating
				Fatal	Major injury to doctor	minor injury	no injury	Certain	Probable	Possible	Remote	Unlikely		
<b>Arriving at the boatyard</b>														
Moving vehicles	Bodily damage	Passengers, Public	Boat staff on hand upon arrival	5									1	5
			Agreed procedure prior to arrival											
			Agreed assembly point with vehicles											
			Group members must stay with vehicles until arrival of group leader											
Lack of control	Tripping	Passengers, Public	Boat staff on hand upon arrival		4								1	4
			Agreed procedure prior to arrival											
			Agreed assembly point											
			Group members must stay with vehicles until arrival of group leader											
Falling in the canal	Drowning	Passengers, Public	Boat staff on hand upon arrival	5									1	5
			Agreed procedure prior to arrival											
			Agreed assembly point											
			Agreed procedure for loading the boats prior to safety briefing											
			Group members must stay with vehicles until arrival of group leader											

Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)									
				Seriousness					Likelihood				
				Fatal	Major injury to doctor	minor injury	no injury	Certain	Probable	Possible	Remote	Unlikely	
<b>Accessing the boat</b>													
Lack of knowledge & awareness	Falling between the boat and bank whilst moored	All	Moor boats securely Trained boat staff assisting & instructing Remove side fenders before group arrive Leader's supervision Slip resistant paint on surfaces Pre-trip safety briefing	5								1	5
Lack of knowledge & awareness	Falling onto, into, or off the boat at the mooring	All	Moor boats securely Trained boat staff assisting & instructing Leader's supervision Slip resistant paint on surfaces Pre-trip safety briefing		4							1	4
Lack of knowledge and ability	Falling between, off, or on the boat away from a mooring	Boat Staff, Passengers	Passengers have received safety briefing from boat staff Awareness and supervision by trained and competent boat staff Passengers wait for boat staff instructions	5								1	5

Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)													
				Seriousness					Likelihood					Risk Rating			
				Fatal	Major injury to doctor	minor injury no injury					Certain	Probable	Possible		Remote	Unlikely	
<b>Domestics</b>																	
Contamination	illness	All	Regular maintenance of fridge & water tank			3										1	3
			Agreed procedure for emptying toilets														
			Trained and competent boat staff giving pre-trip safety briefing														
			Group Leaders ensure that the 'Food Safety and Cleanliness Policy' in the handbook is followed														
			Cleaning materials provided by group														
Contact with heat	burns & scalds	All	Signs in place		4										2		8
			Awareness and supervision by group leaders														
			Individual Duty of care to self and others														
			Safety equipment in place														
Slips, trips, falls	injury	All	Signs in place				2						3				6
			Trained and competent boat staff giving pre-trip safety briefing														
			Slip resistant paint on surfaces														
			Awareness and supervision by group leaders														
			Individual Duty of care to self and others														

Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)										
				Seriousness					Likelihood					Risk Rating
				Fatal	Major injury to doctor	minor injury	no injury	Certain	Probable	Possible	Remote	Unlikely		
<b>Travelling</b>														
Overcrowding front or back deck	Falling off the boat	All	Trained and competent boat staff giving pre-trip safety briefing	5									1	5
			Awareness and supervision by competent boat staff											
			Follow life-jacket policy in the handbook											
			Awareness and supervision by group leaders											
			Limited numbers of passengers on front deck under supervision											
			Limit number on back deck to two											
			Individual Duty of care to self and others											
Lack of control/supervision	Falling off the boat	All	Trained and competent boat staff giving pre-trip safety briefing	5									1	5
			Awareness and supervision by competent boat staff											
			Awareness and supervision by group leaders											
			Pre-trip information requests competent group leaders & minimum ratio of 5 to 1											
			Increased awareness & supervision in poor light											
			Pre-trip information specifies roles of skipper, crew and group leaders											
Being on roof & gunwales	Falling off the boat and hitting head	All	Passengers not allowed on roof & gunwales	5									1	5
			Boat staff to wear appropriate footwear											
			Slip resistant paint on surfaces											
			Boat staff trained and competent											

Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)										
				Seriousness					Likelihood					Risk Rating
				Fatal	Major injury to doctor	minor injury	no injury	Certain	Probable	Possible	Remote	Unlikely		
Hanging out of side hatches	Falling off the boat and hitting head	All	Individual Duty of care to self and others Trained and competent boat staff giving pre-trip safety briefing Awareness and supervision by competent boat staff Awareness and supervision by group leaders	5									1	5
Contact with canal water	Weill's Disease	All	Trained and competent boat staff giving pre-trip safety briefing Awareness and supervision by competent boat staff Awareness and supervision by group leaders Individual Duty of care to self and others	5									1	5
Restricted headroom	hitting your head	All	Trained and competent boat staff giving pre-trip safety briefing Individual Duty of care to self and others Signs in place			3							2	6
Poor Stowage	Tripping on the boat	All	Trained and competent boat staff giving pre-trip safety briefing Awareness and supervision by competent boat staff Awareness and supervision by group leaders Individual Duty of care to self and others		4								2	8
Walking on the towpath	slips, trips, falls	All	Trained and competent boat staff giving pre-trip safety briefing Follow 'Walking on the Towpath' guidelines in handbook Follow life-jacket policy in the handbook		4								2	8

Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)							Risk Rating		
				Seriousness					Likelihood				
				Fatal	Major injury to doctor	minor injury	no injury	Certain	Probable	Possible	Remote	Unlikely	
			Awareness and supervision by group leaders Individual Duty of care to self and others										
Walking on the towpath	getting lost/going missing	Passengers	Pre-trip information requires group leader to accompany young people on towpath & stay in sight of the boat. Importance of regular head counts		4							1	4
Collision with Canal Features (Bridges, Tunnels, Aqueducts, Lock edges, Narrows, Weirs, Towpath)	Injury	Boat Staff, Passengers	Trained, experienced skipper giving pre-trip safety briefing		4						2		8
			Awareness and supervision by competent boat staff Awareness and supervision by group leaders Trained and experienced boat staff steering boat Experienced boat staff supervise inexperienced steerers Trained and competent boat staff following 'Tunnel Safety Policy' in handbook Issue warning to alert other boat users Individual Duty of care to self and others										
Ineffective leadership	Unsafe conditions	All	Pre-trip information requires competent group leaders Individual Duty of care to self and others Group leader to arrange for individuals to be sent home Boat staff to terminate trip			3					2		6

Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)										
				Seriousness					Likelihood					Risk Rating
				Fatal	Major injury to doctor	minor injury	no injury	Certain	Probable	Possible	Remote	Unlikely		
Moving parts (eg. Engine)	Entrapment	Boat staff, passengers	Parts to be switched off before access Protection by grilles and covers Trained boat staff to access Regular maintenance		4								1	4
Abuse	injury	All	TENT Code of Conduct & Protection Policies Awareness and supervision by competent boat staff Awareness and supervision by group leaders Individual Duty of care to self and others			3							1	3

Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)										
				Seriousness					Likelihood					Risk Rating
				Fatal	Major injury to doctor	minor injury	no injury	Certain	Probable	Possible	Remote	Unlikely		
<b>Locks &amp; other canal features (tunnels, lift bridges, swing bridges, aqueducts, canal edge)</b>														
Cill	Drowning caused by sinking	Boat Staff, Passengers	Awareness and supervision by experienced, trained boat staff	5									1	5
			Clear communication between skipper and crew/passengers											
Obstructions in the canal/lock	Drowning caused by getting wedged	Boat Staff, passengers	Awareness and supervision by trained and competent boat staff	5									1	5
			Ensure that side fenders have been removed											
			Clear communication between skipper and crew/passengers											
			Boat staff to have local knowledge											
Leaks from lock	Drowning caused by sinking	Boat staff, passengers	Awareness and supervision by trained and competent boat staff	5									1	5
			Clear communication between skipper and crew/passengers											
Incorrect operation of gate paddles	Drowning caused by sinking	Boat staff, passengers	Awareness and supervision by trained and competent boat staff	5									1	5
			Comprehensive lock safety talk given to all passengers											
			Clear communication between skipper and crew/passengers											
Hit by moving canal feature	Injury to people on and off the boat	All	Trained and competent boat staff giving instruction (lift & swing bridges)		4								1	4
			Awareness and supervision by competent boat staff											
			Awareness and supervision by group leaders											
			Individual Duty of care to self and others											



Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)										
				Seriousness					Likelihood					Risk Rating
				Fatal	Major injury to doctor	minor injury	no injury	Certain	Probable	Possible	Remote	Unlikely		
Boat equipment, (mooring pins, mallet, hose, ropes, toilet cassettes)	injury to people off the boat	All	Trained and competent boat staff giving comprehensive lock safety talk		4							2		8
			Awareness and supervision by competent boat staff											
			Awareness and supervision by group leaders											
			Individual Duty of care to self and others											
Falling in from canal feature	injury to people off the boat	Boat staff, passengers	Trained and competent boat staff giving instruction	5									1	5
			Awareness and supervision by competent boat staff											
			Awareness and supervision by group leaders											
			Individual Duty of care to self and others											
Slipping on canal feature	injury to people off the boat	Boat staff, passengers	Trained and competent boat staff giving comprehensive lock safety talk			3							1	3
			Trained and competent boat staff giving comprehensive tunnel safety talk											
			Trained and competent boat staff giving instruction (aqueducts)											
			Boat staff to wear appropriate footwear											
			Pre trip information requires appropriate footwear											
Road traffic	injury to people off the boat	All	Trained and competent boat staff giving instruction (lift & swing bridges)	5									1	5
			Awareness and supervision by competent boat staff											
			Awareness and supervision by group leaders											
			Individual Duty of care to self and others											

Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)										
				Seriousness					Likelihood					Risk Rating
				Fatal	Major injury to doctor	minor injury	no injury	Certain	Probable	Possible	Remote	Unlikely		
<b><u>Emergencies</u></b>														
Fire	Bodily damage	All	Pre-trip information requires no smoking	5									1	5
			Signs in place											
			Smoke alarms & fire extinguishers											
			Boat safety certificate in place											
			Awareness and supervision by group leaders											
Gas Emergency	suffocation caused by gas or carbon monoxide	all	Boat safety certificate in place	5									1	5
			Annual gas test by registered Gas Safe person											
			Carbon Monoxide detectors on board											
			Individual Duty of care to self and others											
			Awareness and supervision by group leaders											
			Signs in place to prevent blocking vents											
			Awareness and supervision by competent boat staff											
Sinking	Drowning	Boat Staff, Passengers	Awareness and supervision by competent boat staff	5									1	5
			Individual Duty of care to self and others											
Medical emergencies	Illness	Boat Staff, Passengers	Boat staff knowing location			3							2	6
			Boat Staff and Group Leaders to have mobile phone											
			Group helper to have knowledge of individual passenger's needs											
			Group leader to have effective emergency awareness and plan											

# Truman Enterprise Narrowboat Trust

## Risk Assessment

Hazard (Problem)	Risk (active result of problem)	Who is at Risk? (Boat Staff, Passengers, Public)	Controls	Degree of Risk (After)							Risk Rating		
				Seriousness					Likelihood				
				Fatal	Major injury to doctor	minor injury	no injury	Certain	Probable	Possible	Remote	Unlikely	
			Individual Duty of care to self and others <span style="color: red;">Pre-season checks of First Aid Kits by Operations Manager and regular checks by skippers</span>										
Person Overboard	Bodily damage and drowning	Boat Staff, Passengers	Limiting numbers on front and back decks Gunwales and roof out of bounds Annual refresher training of all boat staff Awareness and supervision by competent boat staff Trained and competent boat staff giving pre-trip safety talk Trained and competent boat staff trained in emergency procedures Individual Duty of care to self and others	5								1	<b>5</b>