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Author	GB 005
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Nottingham Narrow Boat Project Operational Risk Assessment

GENERIC RISK ASSESSMENT

Task Description										Assessment No.	Version	Issue date	Status	
Generic task		Operations								1	v1.5	01/05/2023	Published	
Specific task		Running a Canal Boat Trip												
Location of Task		On Board Boat			Site Name			Nottingham/Beeston Canal/River Trent						
Activity within the task	What are the SIGNIFICANT Hazards associated with the activity?	What are the risks associated with the hazard	Which groups of people are affected by this hazard?			CURRENT Risk Rating (LxS=R)			What ADDITIONAL Controls are required?	RESULTANT Risk Rating (LxS=R)				
						(L) L'hood	(S) Severity	(R) Rating		(L) L'hood	(S) Severity	(R) Rating		
re commencement of trips	ADMIN Meet And Greet customers prior to trip	Unfamiliarity with location/surrounding's	VIS				1	2	2	No Actions Required	1	1	1	
	Loading Customers on/off boat	Slips, Trips and Falls at ground level	VIS				1	2	2	No Actions Required	2	1	2	
	Injuries boarding the boat	Impact Contact/Injuries	VIS				1	3	3	No Actions Required	1	3	3	
	Injuries leaving the boat	Impact Contact/Injuries	VIS				1	2	2	No Actions Required	1	2	2	
	INTRO (Safety Brief) Crew/Customers	Fail to Deliver	VOL	VIS				1	2	2	No Actions Required	1	2	2
	Fitting Personal buoyancy aids Crew	Failed to Fit Buoyancy Aids	VOL					1	2	2	No Actions Required	1	2	2

Operational P	Fitting Personal buoyancy aids Customers	Failed to Fit Buoyancy Aids	VIS				2	3	6	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks	1	3	3
	Communications checks	Radios set up correctly/Working	VOL				1	2	2	No Actions Required	1	2	2
	Contact with canal water/mooring ropes		VOL	VIS			3	1	3	No Actions Required	1	3	3
							1	4	4	Simple SSOW + Safety Brief	2	2	4
Panel end													

Activity within the task	What are the SIGNIFICANT Hazards associated with the activity?	What are the risks associated with the hazard	Which groups of people are affected by this hazard?			CURRENT Risk Rating (LxS=R)			What ADDITIONAL Controls are required?	RESULTANT Risk Rating (LxS=R)			
						(L) L'hood	(S) Severity	(R) Rating		(L) L'hood	(S) Severity	(R) Rating	
Moving from Stern/bow	Slips, Trips and Falls at ground level		VOL	VIS			2	2	4	Simple SSOW + Safety Brief	1	2	2
Outside in Well Deck	Falling Overboard		VOL	VIS			2	2	4	Simple SSOW + Safety Brief	1	2	2
Outside on Stern	Tiller Sweep		VOL	VIS			1	1	1	No Actions Required	1	1	1
Person Overboard Boat Moored	Impact/Drowning/Panic		VIS				2	2	4	Simple SSOW + Safety Brief	1	2	2

Operational on the Canal/Rivers

Person Overboard Moving Boat	Impact/Drowning/Panic	VIS				2	3	6	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks	1	3	3
Person in canal from bank/tow path	Impact/Drowning/Panic	MOP				2	5	10	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks	1	5	5
Collision minor Impact Boat against bank/moored boats/floating debris/underwater obstruction	Loss of Balance/Dropped Articles	VOL	VIS			1	2	2	No Actions Required	1	2	2
Collision Major Impact Boat against bank/moored boats/floating debris/underwater obstruction	Falls/Impact Injuries	VOL	VIS			2	2	4	Simple SSOW + Safety Brief	1	2	2
Fire Onboard moored Boat	Smoke Inhalation	VOL	VIS			2	3	6	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks	1	3	3
Fire Onboard moving Boat	Smoke Inhalation	VOL	VIS			2	3	6	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks	1	3	3
Using Galley	Gas Flame/Kettle Boiling water	VIS				2	3	6	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks	1	3	3
Coming into contact with canal water	Weil's Disease/Stomach upset	VOL	VIS			4	2	8	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks	2	2	4

	Serious injury/Medical issue Treatment required	Location/contact with emergency services	VOL	VIS			3	4	12	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks	1	4	4
Panel End													

Activity within the task	What are the SIGNIFICANT Hazards associated with the activity?	What are the risks associated with the hazard	Which groups of people are affected by this hazard?				CURRENT Risk Rating (LxS=R)			What ADDITIONAL Controls are required?	RESULTANT Risk Rating (LxS=R)		
							(L) L'hood	(S) Severity	(R) Rating		(L) L'hood	(S) Severity	(R) Rating
ational Canal/Rivers locks maned/unmanned	Mooring up Entering/leaving locks	Trapping/crushing of body parts	VOL				1	2	2	No Actions Required	1	2	2
	Lock operations emptying (Down)	Mooring ropes tight/Hung up boat	VOL				1	3	3	No Actions Required	1	2	2
	Lock operations filling (Up)	Mooring ropes slack/Excessive boat movement	VOL	VIS			2	3	6	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks	1	3	3
	Lock operations gates	Musculoskeletal injury	VOL	VIS			2	2	4	Simple SSOW + Safety Brief	1	3	3
	lock operations paddles	Paddles Opening/Closing (Windlass)	VOL	VIS			2	2	4	Simple SSOW + Safety Brief	1	2	2
	slips/trips/falls	Cuts and abrasions	VOL	VIS			2	2	4	Simple SSOW + Safety Brief	1	2	2
	Falling into lock whilst walking across lock gates	Cruising injuries/Water inhalation/drowning	VOL	VIS			2	3	6	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks	1	3	3

Oper	Lack of Supervision/incorrect use of Windlass	Fracture injuries/Major Brushing	VIS				2	2	4	Simple SSOW + Safety Brief	1	2	2
Panel end													

H&S Law applicable to this Task		Compliant ?
Main legislation	Health and Safety at Work Act 1974	Fully
Specific legislation	British Waterways Act 1995	Fully
Main legislation	Provision and Use of Work Equipment Regulations 1998 (PUWER)	Fully
Specific legislation	Health and Safety (First Aid) Regulations 1981	Fully
Specific legislation	Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995	Fully
Specific legislation	Control of Substances Hazardous to Health Regulations 2002	Fully
Main legislation	Management of Health and Safety at Work Regulations 1999	Fully
Specific legislation		
Specific legislation		
Specific legislation		

Persons affected by the hazards	
VOL	Volunteers Involved in the Task
VIS	Visitors
CON	Contractors
MOP	Member of Public

Date of Assessment/Review	Assessment completed By	Review Date
03/05/2022	Gary Bramley	01/05/2023

Signed on behalf of Board of Trustees	
Name	Gary Bramley
Signature	

Operations Manager	
Name	Catriona Joynt
Signature	







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Risk Management

Risk matrix

		Likelihood (of injury/incident)				
		1	2	3	4	5
Improbable	1	1	2	3	4	5
	2	2	4	6	8	10
Remote	3	3	6	9	12	15
	4	4	8	12	16	20
Foreseeable	5	5	10	15	20	25
	6	6	12	18	24	30

No history or any indication of future incidents
 Some history but over a long time and very small numbers
 History indicates occurrence at least monthly
 Historic evidence of almost weekly occurrence
 History indicates occurrences are repeated throughout the day

1	2	3	4	5
Superficial injury/ damage <i>Minor injury or ill health (laceration/bruising/ swelling) causing no absence from work. Damage resulting in lowest repair</i>	Moderate injury/ damage <i>Injuries & ill health resulting in absence from work including a RIDDOR (more than 3 day absence). Damage causing temporary disruption to operations of around an hour</i>	Significant injury/ damage <i>Major RIDDOR reportable injuries & ill health, temporary physical disability. Damage causing significant disruption to or cessation of operations of around one day</i>	Serious injury/damage <i>Permanent physical & health disability. Damage causing long term termination of operations for more than one day</i>	Fatality/ catastrophic damage <i>Premature death. Complete destruction of property and permanent termination/relocation of operations until rebuild completed</i>

SEVERITY (consequence)

BS8800 risk level	Control action and timescale (nominally from BS8800)	RM risk level	Additional Controls
Already controlled	No additional control is required. Current controls suitable and sufficient to control risks. Good practice to record the assessment and share findings with operators	<4	No Actions Required
Tolerable	Some additional controls may be beneficial. Consideration may be given to a more cost-effective solution or improvement that imposes no additional cost burden. Monitoring is required to ensure that the controls are maintained.	4 - 5	Simple SSOW + Safety Brief
Moderate	Efforts should be made to reduce the risk, but the costs of prevention should be carefully measured and limited. Risk reduction measures should be implemented within a defined time period. Where the risk level is associated with Serious and Significant Injuries consequences, further task assessment and/or task redesign may be necessary to achieve suitable control measures.	6 - 12	Detailed SSOW combined with Safety Brief + Information, Instructions, Training for any residual moderate risks
Substantial	Task should not be started until the risk has been reduced. Resources may have to be allocated to redesign the task in order to reduce the risk. Where the task is already in progress, urgent action should be taken.	15 - 16	Prevent task or invoke permit to work controls
Intolerable	Task should not be started or continued until the risk has been reduced. If it is not possible to reduce risk even with unlimited resources, work has to remain prohibited.	>16	SSOW not appropriate, prevent task until redesign

These two bands should never in normal circumstances be returned in normal D2D task risk assessment but may be found in the concurrence processes