

## RISK ASSESSMENTS & METHOD STATEMENTS



	2	4	No	Risk A	5=E 4=V 3=L 2=C 1=H	Prot	Ratings	Prep	Proj	Date	Vessels
	Contact with Bridges	Collisions with other vessels	Hazard	Risk Assessment	5 = Extremely High 4 = Very Likely 3 = Likely 2 = Unlikely 1 = Highly Unlikely	Probability (P)	ž	Prepared By	<b>Project Description</b>	Dates Applicable	sels
						×		-	_	_	
Bridge	Operational area ; Tower Bridge to Lambeth	Vessel operating throughout congested river traffic area	<b>Relevance to Operations</b>		<ul> <li>5 = Fatalities or major injury. Major pollution.</li> <li>4 = Serious injuries . Serious pollution.</li> <li>3 = Moderate injuries. Moderate pollution</li> <li>2 = Minor injuries. Minor pollution</li> <li>1 = Minimal consequence. No injuries/pollution</li> </ul>	Severity (S)		C Telfer – Training Manager City Cruises	Navigational Risk Assessment for City Cruises Port Passage Plan	May 2019 until further review	Millennium Diamond/Dawn/Peace/Time/City/London. City Delta/Alp MV Eltham/Westminster/Witheycombe/Princess Rose/Eleanor Rose.
	ω	ω	P	ç	ajor j lutio e pol jurie			ty Ci	for (		'eaci heyc
	4	U.	S	miti	s/po			uise	ity (		e/Tir omb
	12	15	Risk	Unmitigated	n lutio			s	ruis		ne/C
	¥	¥	<b>Risk Band</b>		5	11			es Por		lity/Lo
of bridges, perm	All controls for Haza Passage plan defines	Special lookout in a Special lights in acco City Cruises Emerge (SMS 8.1 'Collision') BML/LKE certificate Strict alcohol/drugs	Actions to reduce		0-4 5-7 9-11 12-15 16-25	Risk			t Passage Plan		ondon. City Delta, s Rose/Eleanor Ro
of bridges, permissible spans and tidal sets.	All controls for Hazard No 1 apply Passage plan defines tidal limits for transit	Special lookout in accordance with GD 28 Special lights in accordance with GD 29 City Cruises Emergency procedures apply (SMS 8.1 'Collision') BML/LKE certificated Masters appointed Strict alcohol/drugs policy applied	uce risk/Control measures		Low Medium High Very High Extremely High	Band					/Alpha/Gamma/Erasmus ose.
ŝ		4	s P	2	888						
	4	U	S	Mitigated	Proceed Proceed NOT PRC NOT PRC	A					
	4	UT	Risk	ited	Proceed Proceed DO NOT PROCEED DO NOT PROCEED DO NOT PROCEED	Action					
	-	Z	Band		CEED		a start in				



-
Z
a
<
00
a
at.
ō.
ž
ā
=
-
<b>~</b> .
<u>s</u>
-
Þ
S
S
20
ŝ
3
2
œ
2
-
P
<u></u>
0q
rD
N
0
-h

5 = Extremely High5 = Fatalities4 = Very Likely4 = Serious ir3 = Likely3 = Moderat2 = Unlikely2 = Minor inj	Probability (P) X Se	Ratings	Prepared By C Telfer – Tra	Project Description Navigational	Dates Applicable May 2019 un	Vessels Millennium I MV Eltham/
<ul> <li>5 = Fatalities or major injury. Major pollution.</li> <li>4 = Serious injuries . Serious pollution.</li> <li>3 = Moderate injuries. Moderate pollution</li> <li>2 = Minor injuries. Minor pollution</li> </ul>	Severity =		C Telfer – Training Manager City Cruises	Navigational Risk Assessment for City Cruises Port Passage Plan	May 2019 until further review	Millennium Diamond/Dawn/Peace/Time/City/London. City Delta/Alpha/Gamma/Erasmus MV Eltham/Westminster/Witheycombe/Princess Rose/Eleanor Rose.
0-4 5-7 9-11 12-15	: Risk		Statute -	ort Passage Plan		ondon. City Delta ss Rose/Eleanor R
Low Medium High Very High	Band					/Alpha/Gamma/Erasmu ose.
Proceed Proceed DO NOT PROCEED DO NOT PROCEED	Action					S

_
~
-
S
T
~
-
2
ŝ
10
~
CD .
ŝ
(A)
-
-
-
CD .
-
-
-

]	No	ώ	4	'n
	o Hazard	Contact with obstacles	Grounding	Navigation impeded by external events
	<b>Relevance to Operations</b>	Buoys, moored vessels, barges and works equipment close to fairway.	Vessel operating in shoaling area above Tower Bridge	Confined waters affected by 3 3 planned and unplanned events.
Un	P	ω	4	3
miti	S	ມ ມ 9	ω	
Unmitigated	Risk	9	12	9
ď	P S Risk Band	I	¥	Ŧ
	Actions to reduce risk/Control measures	Controls for Hazard No 1 apply. PPP requires vessel to remain within the fairway. Anchor checked weekly + ready to drop	All controls for Hazard No 1 apply Passage Plan defines minimum tidal heights for transit of shoaling areas. Emergency actions - SMS 8.1 'Grounding'	Consult latest NTMs before passage. Maintain effective listening watch on Port Working Channels.
z	P	2 3	N	1
litig	S		ω	ω
Mitigated	P S Risk Band	<b>5</b>	ŋ	ω
		And the second s		

RESULT Operations can proceed on condition that all actions to reduce risk/control measures are implemented



Da Ve	Vessels Dates Applicable	333	Millennium Diamond/Dawn/Peace/Time/City/London. City Delta/Alp MV Eltham/Westminster/Witheycombe/Princess Rose/Eleanor Rose. May 2019 until further review	Peac	con	rime/u nbe/P	City/L rinces	ondon. s Rose/	City Del Eleanor	ta/A Rose			ta/Alpha/Gamma/Erasmus Rose.		
Pro	Project Description		Mayigational Rick Assessment for City Cruises Port Passage Plan	5	î	Cristi	non Do	+ Daces	• • • • • • • • • • • • • • • • • • •	an Dian	no Plan		do Plan	do Dian	
Pre	Prepared By	0	C Telfer – Training Manager City Cruises	ity	Ĩ.	ses			11	q	C	d	d	d	d
Rat	Ratings			1200 1	a trade in			and the second							
Pro	Probability (P) X	-	Severity				11		R	Risk		Risk Band		Band	
5 = 4 = 3 = 2 =	5 = Extremely High 4 = Very Likely 3 = Likely 2 = Unlikely 1 = Highly Unlikely	τ 4 ω 4 <sup>μ</sup>	<ul> <li>5 = Fatalities or major injury. Major pollution.</li> <li>4 = Serious injuries. Serious pollution.</li> <li>3 = Moderate injuries. Moderate pollution</li> <li>2 = Minor injuries. Minor pollution</li> <li>1 = Minimal consequence. No injuries/pollution</li> </ul>	lajor llutio te pc ion ijurie	s/pollut	lution. tion	9 ·	2 2 0 0 0 4 4	6 N I I I	0-4 5-9 9-11 12-15 16-25		I-4Low1-9MediumI-11High2-15Very High6-25Extremely High	Low Medium High Very High Extremely High	Low Medium High Very High Extremely High	Low Pr Medium Pr High DO NO Very High DO NO Extremely High DO NO
Risk	Risk Assessment			c l	m	Unmitigated	ē.							Miti	Mitigated
No	Hazard		Relevance to Operations	7	s	Risk	Band	1	cti	ctions to reduc	ctions to reduce risk/Cc	ctions to reduce risk/Control measur	Actions to reduce risk/Control measures	-	-
6.	Collision when swinging	~ 7	Need to swing head to tide at berths and at voyage limits	τ ω	4	12	<b>H</b>		ntı liv liv	ntrols for Haza ing well uptide live announce intenance of g igcy procedure	Controls for Hazard No 1 a Swing well uptide of obsta No live announcements du Maintenance of good look Emgcy procedure SMS 8.1	Controls for Hazard No 1 apply Swing well uptide of obstacles No live announcements during turn Maintenance of good lookout Emgcy procedure SMS 8.1 'Collision'		N	2 4
7.	M/E failure	σZ	Need to steer to alternative berth or Anchor	N	4	2	-	All	con	controls for Haz itch to non-hydi gcy SMS 8.1'Los	All controls for Hazard No 1 Switch to non-hydraulic/en Emgcy SMS 8.1'Loss of pov	All controls for Hazard No 1 apply Switch to non-hydraulic/emergency stee Emgcy SMS 8.1'Loss of power or steering	cy steering steering'	controls for Hazard No 1 apply 2 1 tch to non-hydraulic/emergency steering gcy SMS 8.1'Loss of power or steering'	N
œ			Mooring Line Failure Embarkation/disembarkation 2 of Pax		л	10	I	Dai Pax	ke, ke	ly check of lines kept away fror es surged when	Daily check of lines as per S Pax kept away from lines u Lines surged when used for			is per SMS lines under load sed for taking way off	sper SMS 2 lines under load sed for taking way off



**Navigational Risk Assessment Page 4 of 7** 

MV Eltham /Westminster /Withevcombe/Drincese Bose/Eleanor		
inter Liniani, ascontiniscel as the scotting francess wood fleation wood.	s Rose/Eleanor Rose.	
Dates Applicable May 2019 until further review		
Project Description Navigational Risk Assessment for City Cruises Port Passage Plan	rt Passage Plan	
Prepared By C Telfer – Training Manager City Cruises		
		No. 1
Ratings		

Probability (P)	×	Severity	= Risk	Band	Action
5 = Extremely High		5 = Fatalities or major injury. Major pollution.	0-4	Low	Proceed
4 = Very Likely		4 = Serious injuries. Serious pollution.	5 - 9	Medium	Proceed
3 = Likely		3 = Moderate injuries. Moderate pollution	9-11	High	DO NOT PROCEED
2 = Unlikely		2 = Minor injuries. Minor pollution	12 - 15	Very High	DO NOT PROCEED
1 = Highly Unlikely		1 = Minimal consequence. No injuries/pollution	16 - 25	Extremely High	DO NOT PROCEED

## **Risk Assessment**

Unmitigated         Hazard       Relevance to Operations       P       S       Risk       Band         Pax falling O/B       Large numbers embarking       3       5       15       VH         when alongside       and disembarking       and disembarking       3       5       15       VH	Relevance to Operations       P S       Risk       Band       Actions to reduce         Large numbers embarking       3       5       15       VH       Alongside with min         e       and disembarking       3       5       15       VH       Crew always in attee
Unmitigated P S Risk Band 3 5 15 VH	Immitigated       S     Risk     Band     Actions to reduce       5     15     VH     Alongside with min       Crew always in atte     Engine/s run ahead       gap. Bridge NOT left       Hi vis markings and
hmitigated S Risk Band 5 15 VH	Immitigated       S     Risk     Band     Actions to reduce       5     15     VH     Alongside with min       Crew always in atter     Engine/s run ahead       gap. Bridge NOT left       Hi vis markings and
itigated Risk Band 15 VH	Actions to reduce Alongside with min Crew always in atter Engine/s run ahead gap. Bridge NOT left Hi vis markings and Gates checked throu Bridge and cabin cre
EH H H	Actions to reduce Alongside with min Crew always in atter Engine/s run ahead gap. Bridge NOT left Hi vis markings and Gates checked throu Bridge and cabin cre Emergency action SI Regular fire prevent
<u>ч</u> ч ч	
Mitig P S 1 5 5	5 5 5 5 S
Mitigated P S Risk Band 1 5 5 L 1 5 5 L	S     S       5     5       5     5       5     5

CITY

± by Hornblower

14	13	12	No		5 = Extrer 4 = Very I 3 = Likely 2 = Unlika 1 = Highly	Prot	Ratings	Prep	Proj	Date	Vessels
Violent Acts Aboard	Bomb or Terrorist threat aboard	Abandoning Ship	Hazard		5 = Extremely High 4 = Very Likely 3 = Likely 2 = Unlikely 1 = Highly Unlikely	Probability (P)	ž	Prepared By	<b>Project Description</b>	Dates Applicable	els
oard	rist	Ē			-	×					
Pax behaviour unknown especially at Functions	Thames high risk target	When abandoning is safer than remaining aboard	<b>Relevance to Operations</b>	Risk Assessment	<ul> <li>5 = Fatalities or major injury. Major pollution.</li> <li>4 = Serious injuries . Serious pollution.</li> <li>3 = Moderate injuries. Moderate pollution</li> <li>2 = Minor injuries. Minor pollution</li> <li>1 = Minimal consequence. No injuries/pollution</li> </ul>	Severity		C Telfer – Training Manager City Cruises	Navigational Risk Assessment for City Cruises Port Passage Plan	May 2019 until further review	Millennium Diamond/Dawn/Peace/Time/City/London. City Delta/Alp MV Eltham/Westminster/Witheycombe/Princess Rose/Eleanor Rose.
ω	ω	N	P	<u> </u>	lajor llutio te po ion njurie			ity C	for	-	Peac
ω	л	U	S	nmit	s/pc			ruis	City		e/Ti
9	15	10	Risk	Unmitigated	on ollutic			es	Cruis		me/o
Ŧ	₹	Ŧ	<b>Risk Band</b>	٩	3	11			ies Po		city/L rinces
Crew aware of	Crew regularly check vessel Crew drilled in 'Operation E Emgcy procedure SMS 8.1 '	Vessel remains in Emergency actior Life rafts used on transfer to anoth	Actions to red		0-4 5-8 9-11 12-15 16-25	Risk		12	rt Passage Plan		ondon. City Delta s Rose/Eleanor R
Crew aware of Drugs/alcohol influence	Crew regularly check vessel Crew drilled in 'Operation Boatman' Emgcy procedure SMS 8.1 'Bomb Threat'	Vessel remains in Middle Thames op area Emergency action as per SOP 7.7 Life rafts used only when Pax cannot transfer to another vessel or at a pier	Actions to reduce risk/Control measures		Low Medium High Very High Extremely High	Band					a/Alpha/Gamma/Erasmus tose.
2	, 2				D D D						
w	4	1 5	P S	Mit							
6	00	о (л	Risk	Mitigated	Proceed Proceed NOT PRC NOT PRC	Action	Set and				
Z	Z	-	sk Band	ف	Proceed Proceed DO NOT PROCEED DO NOT PROCEED DO NOT PROCEED	on		28.			

City Cruises Risk Assessments Version 1.0 Date March 2022

RESULT Operations can proceed on condition that all actions to reduce risk/control measures are implemented

5

**Reduced Visibility** 

Passages in heavy traffic

4 4

16

Ŧ

Service suspended when Vis is < 0.5nm Emgcy procedure SMS 8.1 ' Reduced Vis'

2 4 8

 $\leq$ 



**Navigational Risk Assessment Page 6 of 7** 

Vessels	sels	Millennium Diamond/Dawn/Peace/Time/City/London. City Delta/Alpha/Gamma/Erasmus MV Eltham/Westminster/Witheycombe/Princess Rose/Eleanor Rose.	hey	com	ibe/P	rince	ss R	ose/Eleanor Rose.	a/ Valillia/ Liasin		5	us
Date	Dates Applicable	May 2019 until further review										
Proj	Project Description	Navigational Risk Assessment for City Cruises Port Passage Plan	for	City	Cruis	ies Po	TP	assage Plan				
Prep	Prepared By	C Telfer – Training Manager City Cruises	ity C	ruis	es			20		12.50		
Ratings	Sâl		Series and			40.1	- Station					
Pro	Probability (P) X	Severity				11	"	Risk	Ва	Band		nd Action
5=E 4=\	5 = Extremely High 4 = Very Likely	5 = Fatalities or major injury. Major pollution. 4 = Serious injuries . Serious pollution.	ajor	n. pol	ution.			0 - 4 5 - 8	Low	3		
3=1	3 = Likely	3 = Moderate injuries. Moderate pollution	te po	lut	ion	-		9-11	High			DO NOT PROCEED
2 = L 1 = H	2 = Unlikely 1 = Highly Unlikely	2 = Minor injuries. Minor pollution 1 = Minimal consequence. No injuries/pollution	ion	d/s	ollutic	ž		12 - 15 16 - 25	Very High Extremely High	gh v High		
		Risk Assessment			- 							
			c	nmi	Unmitigated	q					Miti	Mitigated
No	Hazard	<b>Relevance to Operations</b>	P	S	Risk	<b>Risk Band</b>		Actions to reduce risk/Control measures	sk/Contro	ol measures	-	-
16	Medical Emergency	Pax all ages and conditions	ω	л	15	YH		Crews trained in First Aid Emergency services on call nearby Emergency on board drills as per SMS 8.1	First Aid ices on call nearby oard drills as per S	earby per SMS 8.1	earby per SMS 8.1	2
17	Pollution	Garbage Disposal	ω	3	9	I		Garbage retained aboard Garbage management as per SMS	oard nt as per	r SMS	r SMS	1
18	Oil Pollution	Bunkering	S	S	25	뛰	Þ	All control measures as per SMS	as per S	SW	MS 2 2	2
19	Contact with Thames Barrier	Occasional Transit only	N	U	10	Ξ	D º O	Crew training in TBCZ procedures for LKE and occasional passages. Detailed passage plan when needed	z proced ges. n when r	ures for LKE needed		1 1
20 Crew uncertai Passage route	Commentation of	f Thames hazards shoals,	4	4	16	H	a P	Approved Generic Passage Plan in issue and used for training and compliance	ssage Pla and corr	an in issue Ipliance	an in issue 2 2 Ipliance	ue 2



	Navigational
	<b>Risk Assessment</b>
•	Page
!	7 of 7
-	

Vessels	Millennium Diamond/Dawn/Peace/Time/City/London. City Delta/Alpha/Gamma/Erasmus MV Eltham/Westminster/Witheycombe/Princess Rose/Eleanor Rose.	/London. City Delt cess Rose/Eleanor	ta/Alpha/Gamma/Erasmu Rose.	8
Dates Applicable	May 2019 until further review			
<b>Project Description</b>	Navigational Risk Assessment for City Cruises Port Passage Plan	Port Passage Plan		
Prepared By	C Telfer – Training Manager City Cruises	11.4		
Ratings				
Probability (P)	X Severity (S)	= Risk	Band	Action
5 = Extremely High	5 = Fatalities or major injury. Major pollution.	0-4	Low	Proceed
4 = Very Likely 3 = Likely	4 = Serious injuries . Serious pollution. 3 = Moderate injuries. Moderate pollution	5-7 8-11	Medium High	Proceed DO NOT PROCEED
2 = Unlikely 1 = Highly Unlikely	2 = Minor injuries. Minor pollution 1 = Minimal consequence. No injuries/pollution	12 - 15 16 - 25	Very High Extremely High	DO NOT PROCEED

## **Risk Assessment**

No	Hazard	Relevance to Operations		S	Unmitigated	Unmitigated P S Risk Band	Actions to reduce risk/Control measures			Mitigated
21	Passenger Slips	Wash from other vessels	ω	ω	9	Ξ	Passengers briefed to remain seated whilst	_	_	_
_	Trips/Falls						underway /hold handrail on stair raised edges lit / hazard painted	underway /hold handrail on stairs. Stairs and raised edges lit / hazard painted	rail on stairs. Stairs and rd painted	rail on stairs. Stairs and rd painted
22 (	<b>Collision/Allision</b>	Crossing / swinging across	34		12	Ξ	Ensure schedule is staggered with other		1	
0	or near miss	fairway to/from Bankside Pier inward bound Cityliner					users to avoid cong Twin engine vesse	users to avoid congestion of fairway/pier Twin engine vessels used for increased	gestion of fairway/pier Is used for increased	gestion of fairway/pier Is used for increased
							manoeuvrability when feasible	vhen feasible	vhenfeasible	vhenfeasible
							Familiarisation si	Familiarisation sign off of route for Captains	ign off of route for Captains	ign off of route for Captains

RESULT Operations can proceed on condition that all actions to reduce risk/control measures are implemented



ω	2	<b>→</b>	٩	고	<b>_</b>	2	ω	4	сл	-		Т	τ		
Trapped hand fingers / sprained wrist due to shock through rope.	Tripping on gunwale projections – mooring cleats /bollards. Slipping overboard.	Impact injury – Serious injury / Drowning	Hazard	Risk Assessment	1 = Highly Unlikely	2 = Unlikely	3 = Likely	4 = Very Likely	5 = Extremely High	PROBABILITY(P) X		Prepared by	Project Description	Dates Applicable	Vessels
	ę	de	Rele							×		┝	ŧ	JL	ਨੂ ≦
Mooring to pier	Operating on gunwale of boat.	Crewmember descending ladder to gunwale.	Relevance to Operation		1 = Minimal consequences. No injuries / pollution	2 = Minor injuries. Minor pollution	3 = Moderate injuries. Moderate pollution	4 = Serious injuries	5 = Fatalities or major injury. Major pollution	SEVERITY (S)			SHIPBOARD OPERATIONS	June 2019 until further review	MILLENNIUM CITY/ DAWN/ DIAMOND/LONDON/ PEACE/TIME - CITY ALPHA/ DELTA/GAMMA – ERASMUS – ELEANOR ROSE – PRINCESS ROSE – WESTMINSTER – MAYFLOWER GARDEN
ω	4	ω	Ρ		inces	1or p	Moc		inju	R			SN	Iew	
ω	4	4	S	5	No	ollut	lerat		ry. N	z					AMC /EST
9	16	12	Risk	Unmitigated	injurie	tion.	e pollut		lajor po	(S)					MD/LO
т	Ŧ	HA	Band	ed	s / pollu		ion		ollution		Ratings				NDON/ P ER - MA
STCW to be v moorir zone"	ST( con con cau inol	STO	Act		lion						S				YFLC
CW / F oring   Ie"	CW / F twear Itact w Idition Ise slij Ise slij	CW / F	ions												e/TIM
-amiliarisa n / avoid f rope. Avoi	STCW / Familiarisation/ footwear / Life jacket. A contact with boat, one h condition of gunwale for cause slippage - oil / de inorganic matter from pa gunwale clear of ropes.	-amiliarisa / Life jack	to reduce		16 - 25	12 - 15	8 - 11	2-2	0 - 4	RISK					<u>E - CITY A</u> GARDEN
id sta	ation et. A bne h le fo le fo l/ de l/ de	et / I	risł				H	M	5						LPH
STCW / Familiarisation/ Training / no gloves to be worn / avoid fetching vessel up on mooring rope. Avoid standing in "snap-back zone"	STCW / Familiarisation/ Training /Non-slip footwear / Life jacket. Always keep 3 points of contact with boat, one hand + two feet. Check condition of gunwale for any item liable to cause slippage - oil / debris – organic / inorganic matter from passengers. Keep gunwale clear of ropes.	STCW / Familiarisation/ Training /Non-slip footwear / Life jacket / ML5 medical	Actions to reduce risk / Control measures		Extremely High	Very High	High	Medium	Low	BAND					V DELTA/GAMM/
vack	lip ints of Check to	līp	ures		D	D	D								∖-ERA
<u> </u>	<u> </u>	-	σ		NO	O NC	O NC		_	Ъ					SMU
ω	4	4	s	2	H	OTF	OTF	roc	roc	5 T					- SI
ω	4	4	Risk	Mitigated	DO NOT PROCEED	DO NOT PROCEED	DO NOT PROCEED	Proceed	Proceed	ACTION					ELEAN
-	Δ	Z	Band	<u>م</u>	8	8	Ð								OR



## Risk Assessment

7 <u>Passenger</u> gathering in inappropriate places – on stairs – blocking	Passengers 6 tripping on entering boat	Passengers 5 tripping on entering boat	Oil spillage / eye damage 4 by fuel splas Long term s <del>l</del> damage	N° Hazard
<u>Passenger</u> gathering in inappropriate places – on stairs – blocking emergency	igers   on g boat,	ngers I on g boat	Oil spillage / eye damage by fuel splash / Long term skin damage	
Passenger Control	Loading passengers <u>USING RAMPS</u>	Loading passengers	Bunkering fuel	Relevance to Operation
4	3 4	3 4	ယ ယ	
3 12	4 12	4 12	9	Unmitigated S Risk B
¥	Ŧ	т	т	Band
STCW / Familiarisation/ Training / Use of cordoning system to direct passengers / <u>Using</u> cabin crew to direct passengers / Verbal warnings	STCW / Familiarisation/ Training / Crewmember in attendance / verbal warnings	STCW / Familiarisation/ Training / Crewmember in attendance / verbal warnings 2	Familiarisation/ Training / Spill Kits / Protective gloves / Eye wash kits / Minimum of two crew in attendance and in communication	Actions to reduce risk / Control measures
2	-		2	ס
<u>→</u>	2	2	2	S M
2	2	4	4	Mitigated Risk
-	-	M	Z	Band