

REPORT OF AN INVESTIGATION INTO A FATAL INCIDENT INVOLVING THE *"FV MYIA"* IN GALWAY BAY 2 NOVEMBER 2020

> REPORT NO. MCIB/306 (No.5 OF 2021)

The Marine Casualty Investigation Board (MCIB) examines and investigates all types of marine casualties to, or on board, Irish registered vessels worldwide and other vessels in Irish territorial waters and inland waterways.

The MCIB objective in investigating a marine casualty is to determine its circumstances and its causes with a view to making recommendations to the Minister of Transport - for the avoidance of similar marine casualties in the future, thereby improving the safety of life at sea and inland waterways.

The MCIB is a non-prosecutorial body. We do not enforce laws or carry out prosecutions. It is not the purpose of an investigation carried out by the MCIB to apportion blame or fault.

The legislative framework for the operation of the MCIB, the reporting and investigating of marine casualties and the powers of MCIB investigators is set out in the Merchant Shipping (Investigation of Marine Casualties) Act, 2000.

In carrying out its functions the MCIB complies with the provisions of the International Maritime Organisation's Casualty Investigation Code and EU Directive 2009/18/EC governing the investigation of accidents in the maritime transport sector.



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Glossary of Abbreviations and Acronyms

AGS	An Garda Síochána
BIM	Bord Iascaigh Mhara
CGR	Coast Guard Radio
СоР	Code of Practice ^{*Note 1}
CPR	Cardiopulmonary Resuscitation
DoC	Declaration of Compliance
DSC	Digital Select Calling
HW	High Water
ILB	Inshore Lifeboat
IRCG	Irish Coast Guard
LOA	Length Overall
LOM	Lifeboat Operations Manager
MN	Marine Notice
MRCC	Marine Rescue Coordination Centre
MRSC	Marine Rescue Sub-Centre
MSO	Marine Survey Office
PFD	Personal Flotation Device
PLB	Personal Locator Beacon
RNLI	Royal National Lifeboat Institution
SAR	Search and Rescue
SITREP	Situation Report
SOLAS	Intervention Convention for the Safety of Life at Sea
UK	United Kingdom
UTC	Co-ordinated Universal Time
VHF	Very High Frequency
Kilometres	km
Kilowatts	kW
Litres	lts
Metres	m
Millimetre	mm
Nautical miles	NM

*Note 1: Code of Practice: Design, Construction, Equipment and Operation of Small Fishing Vessels of less than 15 m Length overall (2014) can be downloaded in electronic format at: https://www.gov.ie/publication/b2d313-code-of-practice-fishing-vessels-less-than-15m-length-overall/

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		PAGE
1.	Summary	4
2.	Factual Information	5
3.	Narrative	8
4.	Analysis	10
5.	Conclusions	11
6.	Safety Recommendations	12
7.	Appendices	13
8.	MSA 2000 Section 36 - Correspondence Received	32

SUMMARY

1. SUMMARY

- 1.1 At approximately 12.00 hrs on 2 November 2020 two men left Galway on the fishing vessel (FV) *"Myia"* to retrieve and reset shrimp pots off the coast of Salthill.
- 1.2 At approximately 13.30 hrs the men were resetting a train of pots when one of the men got entangled in rope attached to the train of pots. The weight of the train of pots combined with the forward motion of the vessel quickly pulled him overboard and under the water.
- 1.3 Galway Royal National Lifeboat Institution (RNLI) Lifeboat Operations Manager (LOM) was contacted by mobile phone and immediately requested activation of pagers for an immediate launch of the Inshore Lifeboat (ILB). The ILB quickly arrived on the scene and retrieved the Crewmember from the water. He was transferred to the ambulance on arrival at the lifeboat station and brought to Galway University Hospital where he was pronounced dead.
- Note: All times are local time = Co-ordinated Universal Time (UTC) unless specified.

2. FACTUAL INFORMATION

"FV Myia" registered number G837P, is a small fishing vessel rigged for potting. See Appendix 7.1 Photograph No. 1 - *"FV Myia"*.

The vessel was fishing for shrimp and operating out of Galway trawler dock.

2.1 Vessel Details

Name:	"FV Myia".
Flag State:	Ireland.
Registration Number:	G837P.
Type of Activity:	Potting.
Port of Registry:	Galway.
Call Sign:	EI2534.
Length:	6.05 metres (m).
Breadth:	3.55 m.
Depth:	0.63 m.
Builder:	Rod Baker Cornwall.

2.2 Vessel Description

The vessel is a twin hull small fishing boat built in Cornwall by Rod Baker approximately 15 years ago and adapted for potting along the north coast of Galway Bay. The vessel has a shelter area forward that opens onto a flat working deck aft. There are pot rails fitted on either side of the working area and a low transom to facilitate setting of pots over the stern between the engines. The vessel is powered by two 14.8 kilowatt (kW) Tohatsu outboard motors. The vessel was seen to be in reasonable condition and had its last Code of Practice (CoP) Declaration of Compliance (DoC) survey on 20 May 2019 by a surveyor authorised by the Marine Survey Office (MSO). Safety equipment aboard at the time included two Safety of Life at Sea (SOLAS) approved lifejackets, two Bord Iascaigh Mhara (BIM) approved Personal Flotation Devices (PFDs) with Personal Locater Beacons (PLBs) and a handheld Very High Frequency (VHF) radio together with spare battery. The Department of Agriculture, Food and Marine confirmed the vessel had a valid sea Fishing Licence at the time of the incident.

See Appendix 7.2 Declaration of Compliance Certificate

2.3 Marine Casualty Information

Type: This was a very serious marine casualty resulting in a fatality.

Time: The event occurred at approximately 13.30 hrs on 2 November 2020.

Position: Off Salthill in Galway Bay 53°14.50'N 009°05.70'W.

Vessel Operation: Setting shrimp pots.

2.4 Weather and Tidal Information: Source Met Éireann

Meteorological Situation: A strong to near-gale and gusty westerly airflow covered Ireland on 2 November 2020 due to low pressure (966hPa) near Iceland and high pressure (1035hPa) over the Azores. A showery frontal trough (occlusion) embedded in the flow was slow-moving over the Galway region. A ridge of high pressure gradually approached the area from the west.

Wind: Winds on 2 November 2020 in the Galway Bay area increased from moderate Beaufort Force four north-westerly in the morning to fresh to strong around noon westerly Force five or six occasionally reached near gale Force seven in the period between 13.00 hrs and 15.00 hrs with gusts of up to 50 knots.

Weather & Precipitation: Mostly cloudy or overcast with frequent showers in the morning turned to persistent rain between 12.00 hrs and 15.00 hrs, with occasional heavy downpours. A clearance reached the area after 15.00 hrs when it became mostly dry with variable cloud, a few sunny spells and isolated showers for the remainder of the period. The daily rainfall accumulation (for the 24-hour midnight-to-midnight period) is estimated at 12 to 16 mm.

Visibility: Poor visibility (0.5 to 2 nautical miles) in heavy rain. Mostly good visibility (greater than 5 nm) after 15.00 hrs.

Sea State: In the Galway Bay area the sea state is estimated to have been moderate to rough with estimated significant wave height between 1.5 and 2.5 m. However, the offshore sea state was rough to very rough (4 - 6 m) with a westerly swell. Sea temperature: 11 or 12 degrees Celsius.

High Water (HW): Galway 18.06 hrs Source: Port of Galway.

2.5 Emergency Response

Extract from Irish Coast Guard (IRCG) SITREP

- 1343 LOM GALWAY L/B ADVZ THEY GOT REPORT OF FISHING VESSEL IN DIFFICULTY OFF SALTHILL, 2 POB, NO FURTHER INFO PAGED GALWAY L/B
- 1348 LOM GALWAY L/B NOW ADVZ MAN OVERBOARD FROM THAT FISHING VESSEL TASKED R118, B/CAST MAYDAY RELAY
- 1352 CELTIC EXPLORER ON WAY
- 1354 R115 LANDING AT BASE, TASKED TO GALWAY AFTER REFUEL
- 1414 GALWAY L/B ON SCENE AND HAVE CASUALTY ON BOARD, RTNG TO BASE - NEOC ADVZ - AMBULANCE WAITING R115 AND CELTIC EXPLORER STOOD DOWN, R118 ETA 1452, GARDAI ADVZ
- 1419 MAYDAY RELAY CANCELLED
- 1434 NEOC ADVZ CASUALTY ON WAY TO HOSPITAL, R118 STOOD DOWN GALWAY L/B CLOSING

See Appendix 7.4 - IRCG SITREP.

3. NARRATIVE

- 3.1 The vessel left the trawler layby berth at Galway Harbour at approximately 12.00 hrs on 2 November 2020 with two persons onboard to retrieve and reset shrimp pots off the coast of the north side of Galway Bay. The number of crew listed on the DoC is one, but the vessel normally operated with two crew.
- 3.2 The crew were very experienced at potting in the area and had been operating the *"FV Myia"* for ten years. Normal operations were to fish lobster in the summer months and then switch to fishing shrimp during the winter.
- 3.3 At approximately 13.30 hrs the crew were working a train of pots in the vicinity of an area known as the "Blackrock" to the western end of Salthill.
- 3.4 When potting for shrimp the method is to use a train of up to 25 pots attached by rope at a distance of 6 m apart, buoyed at each end. The pots are weighted to keep them steady on the seabed. Normal operation would be to retrieve a train of pots, remove the catch and then insert fresh bait. The pots would be stacked in order and then returned to the sea over the stern while moving the vessel ahead in the direction the train is to run. The pots weigh between 1.5 kg and 2 kg each and normal practice when setting was for one person to helm the boat while the other crew fed the pots over the stern.

See Appendix 7.5 Photograph No. 2 - Shrimp Pots.

- 3.5 While resetting a train of shrimp pots one of the men got his leg entangled in rope attached to the train of pots. The weight of the train of pots together with the forward motion of the vessel caused him to be pulled overboard across the transom of the vessel.
- 3.6 Once in the water the Casualty was pulled under the surface by the weight of the train of pots. Despite his best efforts, the other Crewmember was unable to recover him and raised the alarm to a relative by mobile phone.
- 3.7 The LOM of Galway Lifeboat Station received a phone call from the relative indicating a vessel was in trouble. The LOM then phoned Valentia Marine Rescue Sub Centre (MRSC) at 13.43 hrs requesting they page the lifeboat crew for immediate launch.
- 3.8 The pagers were activated at 13.45 hrs and Galway Lifeboat confirmed it was proceeding to the scene at 13.58 hrs. On arrival at the scene the lifeboat crew found the Casualty caught up in the ropes and unconscious in the water. The Casualty was not wearing a PFD at the time and had the rope to the vessel been cut he would have been dragged further beneath the surface by the train of pots. They quickly cut the rope leading to the train of pots in the water and then cut the rope to the remainder of the pots still onboard the vessel.

- 3.9 The lifeboat crew then succeeded in getting the Casualty onboard the lifeboat and immediately commenced Cardiopulmonary Resuscitation (CPR). At 14.14 hrs the lifeboat reported to Valentia MRSC that it had the Casualty onboard, requested an ambulance at the lifeboat station and gave an estimated time of arrival (ETA) of two minutes.
- 3.10 At 14.22 hrs Galway Lifeboat confirmed it was handing over the Casualty to an ambulance. The Casualty was brought to Galway University Hospital where he was pronounced dead.
- 3.11 The lifeboat then relaunched to escort the *"FV Myia"* back to harbour. A person from another fishing vessel transferred to the *"FV Myia"* at sea to assist the remaining Crewmember returning the boat to harbour. At 14.31 hrs Galway Lifeboat confirmed the *"FV Myia"* had returned to the harbour.

ANALYSIS

4. ANALYSIS

- 4.1 In a statement given to the Gardaí immediately after the incident the second Crewmember confirmed the Casualty's leg got snagged in the rope on the deck of the vessel and was then pulled overboard. The sides of the vessel are well protected by the pot rails which rise to approximately 1.5 m above the gunwales. As the Casualty got entangled in the shrimp pot train it is likely he went overboard crossing the low transom between the two engines where the train of pots was being fed overboard.
- 4.2 The weather deteriorated considerably between the time the vessel left the harbour at 12.00 hrs and the time of the incident. As seen in the Met Éireann weather report at the time of the incident there were near gale force winds, heavy rainfall, and rough seas. These conditions were extremally challenging for a vessel of this size and construction and would have led to violent movements. There are no manufacturers recommendations as to the operational limitations of this type of vessel and the manufacturing company is no longer in existence. The DoC describes the operational area as Galway Bay, no further than 5 nautical miles (NM) from a safe haven but makes no reference to weather restrictions.
- 4.3 There are inherent dangers involved in setting pots, particularly getting snagged in gear as the pots are released over the stern of the vessel. The violent movements of the vessel in the sea conditions at the time would have greatly increased the danger of snagging in the gear and being pulled overboard. There is no risk assessment or method statement available for this or any other type of fishing activity for this vessel. Risk assessments and/or method statements would have helped highlight the dangers surrounding this incident.
- 4.4 The Casualty was not wearing a PFD despite the conditions and dangers associated with this type of fishing. Being entangled between the train of pots and the boat the Casualty would have been forced under the water. Had he been wearing a PFD the buoyancy provided could have allowed the other Crewmember to detach the train of pots from the vessel and allow him to float free while still entangled in the rope. Given the depth of water involved and the layout of the train of pots it is likely that wearing a PFD would have enhanced his chances of survival.
- 4.5 After the Casualty entered the water the alarm was raised by a series of mobile phone calls rather than a Digital Select Calling (DSC) or Mayday call on VHF radio. The use of mobile phone to generate a distress call added some delay, however short, in the alert of the emergency services. In this case the call was made to a relative who in turn called the Lifeboat LOM who then called Valentia MRSC to activate the lifeboat crew pagers. A Mayday call over VHF radio would have been picked up immediately by Valentia MRSC leading to immediate activation of the lifeboat crew pagers.

5. CONCLUSIONS

- 5.1 The Casualty was dragged over the stern of the vessel after becoming entangled in the gear on the deck. This may have been contributed to by violent movements generated by the sea conditions while feeding out pots. In either case it would appear the vessel was undertaking an inherently dangerous task in conditions beyond the safe limits to do so.
- 5.2 The use of mobile phone to generate a distress call added some delay, however short, in the alert of the emergency services. In this case the call was made to a relative who in turn called the Lifeboat LOM who then called Valentia MRSC to activate the lifeboat crew pagers. A Mayday call over VHF radio would have been picked up immediately by Valentia MRSC leading to immediate activation of the lifeboat crew pagers. Vessels of this size do not require a fixed VHF but are required to carry at least a hand-held unit. Activation of a PLB would also have triggered an instant distress call.
- 5.3 The Casualty was not wearing a PFD while operating on an open deck in hazardous conditions. Wearing a suitably specified and fitted PFD would have greatly improved his chances of survival.

6. SAFETY RECOMMENDATIONS

- 6.1 The Minister for Transport should issue a Marine Notice to remind fishers of the obligation to always wear a Personal Flotation Device while working on open decks.
- 6.2 The Minister for Transport should issue a Marine Notice to remind fishers of the dangers associated with snagging in gear while setting trains of pots.
- 6.3 The Minister for Transport should issue a Marine Notice to encourage use of VHF radio for distress calls and point out the limitations of mobile phones for this purpose.
- 6.4 The Minister for Transport should issue a Marine Notice to fishermen to know the limitations of vessels and to always be aware of weather forecasts prior to going to sea.

- 13

7. APPENDICES

		PAGE
7.1	Photograph No. 1 - "FV Myia"	14
7.2	Declaration of Compliance Certificate	15
7.3	Met Éireann Weather Report	23
7.4	IRCG SITREP	30
7.5	Photograph No. 2 - Shrimp Pots	31

APPENDIX 7.1

Appendix 7.1 Photograph No. 1 "FV Myia".



Appendix 7.2 Declaration of Compliance Certificate

		Code of P		
And a second sec		Declaration of		
Dacla		be completed by an	Authorised Person the Authorised Person	and Owner
		Fishing Letters		
Name of Ves	ssel	& Number	Official Number	Port of Registry
MYIA		G837P		GALWAY
Overall Leng (less than 15 m		Breadth	Depth	Date keel laid
6.05		3.55	0.63	
	Engine	Make & Model		Engine Power (kW)
	Tohats	su x2 Outboard		14.8
Call Sign	Radio O	perators Cert no.	No of Crew	BIM Card no.
EIPF5			1	Exempt
Namc, Address & Number of Ov De Glassfibre decked Cat	wner escription of		e of fishing vessel is eng	gaged in
Number of Ov	wner escription of			gaged in
Number of Ov De Glassfibre decked Cat	wner escription of y amaran with	forward wheelhouse Description of op	5	gaged in
Number of Ov De Glassfibre decked Cat Pots	wner escription of y amaran with	forward wheelhouse Description of op	5	gaged in

<u>Chapter 2</u>	<u>C</u>	onstruction,	Structural	Streng	<u>th and V</u>	Veat	hertight In	<u>tegrity</u>
*2.1	Is hull suitable for the intended fishing method and sea areas?							Yes ⊠/ No□
*2.2		ion Materials			fibre		perstructure	e G'fibre
*2.3	Is structu	ire sound, wat	ertight & fi corrosi		significa	ant d	amage &	Yes ⊠/ No□
*2.4			Do decks c	omply?				Yes⊠ / No□/ NA□
2.5		bulkheads	Non-wate				Watertigh	t
*2.6	Dol	bulkhead door	rs comply v	vith Anı	nex 7 (2.3	3.4)?		$Yes \boxtimes / No \Box / NA \Box$
*2.7	Doors		Coan	ning hei	ght			
2.7		Are doors of	of sound con	nstructio	on and w	eathe	ertight?	$Yes \boxtimes / No \Box / NA \Box$
2.8		Hatch	way coami	ng heigl	ht			
*2.9		Can hatche	s be secured	d weath	ertight?			$Yes \boxtimes / No \Box / NA \Box$
*2.10		Do fl	ush hatches	comply	?			$Yes \boxtimes / No \Box / NA \Box$
*2.11		Do	skylights c	omply?				Yes□ / No□/ NA⊠
*2.12		Do side scu	ttles & port	lights c	omply?			Yes□ / No□/ NA⊠
*2.13		Do	windows co	omply?				Yes⊠ / No□/ NA□
*2.14		Dov	ventilators o	comply?				Yes⊠ / No□/ NA□
2.15	Is exhaust system acceptable							Yes⊠ / No□/ NA□
*2.16	Do air pipes comply?						Yes⊠ / No□/ NA□	
*2.17.2	Do sea inlets and discharges comply?						Yes⊠ / No□/ NA□	
*2.18.3		Do valves.	piping & l	noses co	mply?			$Yes \boxtimes / No \Box / NA \Box$
*2.19		Do fr	eeing ports	comply	?			Yes⊠ / No□/ NA□

<u>Chapter 3</u>	<u>Stability</u>				
	Is stability in	Yes □/ No⊠			
*3.1	Are requirement		Yes⊠ / No□/ NA□		
*Annex	Stability standard a	pplied			СОР
7	Does vessel	vessel comply with roll test?			Yes ⊠/ No□
(para.4)	Freeboard	0.25		Roll coefficient	0.8
Annex 2	Are guidar	ice notes on board	?		Yes □/ No⊠

Revision 2

20/01/2014

16

4.1		Machine	ry					
4.1.1.1	Ge	neral Requiremen	its - comply?		Yes	🛛 / N	o□/NA	1
4.1.2	Propulsion	Machinery and S	Stern Gear - comp	ly?	Yes	🛛 / N	o□/NA	1
4.1.4	Cont	trols and Instrume	ents - comply?		Yes	Yes⊠ / No□/ NA		
4.1.5		Steering System -	- comply?		Yes	🛛 / N	o□/NA	
4.2		Electrical Insta	Illations					
4.2.1		General - cor	nply?		Yes	🛛 / N	o□/NA	1
4.2.2	D.C. S	ystems Up To 24	volts - comply?		Yes	⊠ / N	0□/ N/	
4.2.3		A.C Systems - c	comply?		Yes] / N	o□/ N.	$A \boxtimes$
4.3		Pumping & I	Piping					
4.3.1	Fu	el Oil Installation			Ves		o□/NA	
4.3.2	Coc	oling Water Syster	ms - comply?				$o\Box/NA$	
4.3.3		e Pumping Syste					/ No□	1
4.3.4		Bilge Pumps - c						
					Y		∥ No□	
4.4		Anchors & C						
4.4.1		General - cor	nply?		Y	∕es ⊠	l/ No□	
4.4.4		Towline - comply?				∕es ⊠	∕ No□	
4.5		hing & Handling						
4.5.1	Winches, tackles and lifting gear - comply?				Yes	🛛 / No	o□/NA	۱D
\$4.5.2		Running gear -	comply?		Yes	⊠ / N	o□/NA	۱D
apter 5	Fire Pro	tection, Detectio	n & Extinction					
5.1	· · · · · · · · · · · · · · · · · · ·	Fire Safet						
5.1.1	Machinery	space capable of		n?	Yes	🛛 / N	o□/ N/	
5.1.2]	Fire Prevention -	comply?		Y	les 🛛	/ No□	
5.1.3	Cleanliness	and Pollution Pr	evention - compl	y?			// No 🗆	
5.1.4		Flame Gas Applia						
5.1.5		**					$o \Box / N A$	
5.2	Gas Detection - comply? Fire Fighting Appliances				YesL	_] / N	0□/ N/	4×
5.2		tinguishers of an				_		
9.2.1	Altex				Y	(es ⊠	l∕ No□	
5.2.2		L	Serviced D	ate			20	19
1	Portable	Engine room	Туре		Rating		Nº	
5.2.5	Extinguishers	Other spaces	Type DP	re buck	Rating		Nº N⁰	2
5.2.6	Remote controls for	r fuel tank valves		Num			1N-	1
.2.0			Yes □/ No⊠	Locat				
5.2.6	Are means of closing skylights, doorways etc to machinery and cargo spaces adequate?			nd Yes	⊠ / N	0□/ NA	1	

Appendix 7.2 Declaration of Compliance Certificate

apter (on of Crew Protection of	D						
6.1 6.1.2					1000 K				
	Bulwarks, Guard Rails and Handrails - comply?						Y	es 🛛/ 1	No□
*6.1.4	Surfac	e of Working	Deck	s - comply?			Y	es 🛛/ 1	No
#6.1.5	Personal	l Protective Ec	quipm	ent - comp	y?		Yes ⊠/ No□		
#6.2	1	Medical Store	es - co	mply?			Y	es 🗵/ 1	No□
	Ez	xpiry date of n	nedica	al stores					
*6.3	Securing of Heavy	-	-	ent and Fis	hing Gear	etc :	Yes] / No[]/ NA□
		- com	oly?				1002		
hapter '		ing Applianco							
#7.1	Are all i	tems of LSA o	of an a	approved ty	pe		Y	es 🛛 / N	No
#7.2	Have rel	evant items of	LSA	been servio	ed		Y	es ⊠/ N	No
#7.3	1 Lifejacket fo	or every person	1 on b	oard	Yes	凶/ N		Nº:	2
‡ 7.4	Liferafts sufficien		Yes	\Box /No⊠	N⁰		Last		
	persons Hydrostatic Release		v		Nº		Service Exp. Da		
#7.5	Lifebuoys Total N° of Lifebuoys N° with 18m line					2			
111.0		N ^o with c		red light &		mal	0		
#7.6	1 Personal Floatati						s⊠/No□	N⁰	2
		board		51		10		:	
#7.8	Distress signals					parachute	Ye	s □/ No□	
		allowed alternativ					rockets		
#7.8	Flares Expiry date	2021	e						
*7.9		Recovering Pe	ersons	from the V	Vater		v	Yes ⊠/ No□	
							1		
hapter a	<u>8 Manning</u>	<u>g, Training &</u>	Cert	<u>ification</u>					
#8.2 *8	^{8.8} Manning - com	ply?					Y	es 🛛 / 1	No□
*8.3	Standards of Co	ompetence - co	omply	?			Y	es 🗵 / 1	No□
*8.5	Operation and Maintenance of Propulsion Machinery - comply?						Y	es ⊠/ 1	No□
#8.6					Yes ⊠/ No□		No□		
#8.7	.7 Safety Training - comply?				Y	es 🗵 / 1	No□		
	Is there a copy of the Code of Practice on board?				Y	es 🗵 / 1	No□		
#8.9	Musters and Dr	rills – comply?	?				Yes] / No[]/ NA🛛
#8.10	Organisation of	f Working Tin	ne – co	omply?			Y	es 🗵/ 1	No□

Revision 2

20/01/2014

pter 9	<u>Radio Equipment</u>	
	Sea Area (A1 or A1 & A2)	
#9.3	Functional requirements - comply?	Yes ⊠/ No□
#9.4	Installation, location and control of radio equipment - comply?	Yes ⊠/ No□
#9.5	EPIRB/PLB correctly registered?	Yes ⊠/ No□
#9.5	Radio equipment to be provided for all sea areas - comply?	Yes ⊠/ No□
#9.6	Additional radio equipment to be provided for sea areas A1 and comply?	$\frac{1}{\text{A2}} - \frac{\text{Yes}}{\text{W}} / \frac{\text{No}}{\text{NA}}$
#9.7	Radio Watches - comply?	Yes ⊠/ No□
#9.8	Sources of energy - comply?	Yes ⊠/ No□
#9.9	Performance standards - comply?	Yes ⊠/ No□
#9.10	Serviceability and maintenance requirements - comply?	Yes ⊠/ No□
#9.11	Radio personnel - comply?	Yes ⊠/ No□
#9.12	Radio records - comply?	Yes□ / No□/ NA
pter 10	Navigation Equipment Lights, Shapes & Sound Signa	als
*10.1	Navigation Equipment - comply?	Yes ⊠/ No□
*10.2	Are navigation lights fitted?	Yes⊠ / No□/ NA
#10.3	Steaming Lights - comply?	 Yes⊠ / No□/ NA
#10.4	Fishing Lights - comply?	 Yes⊠ / No□/ NA
#10.5	Additional Fishing Light - comply?	$\frac{\text{Yes} \square / \text{No} \square / \text{NA}}{\boxtimes}$
#10.6	Anchor Light - comply?	Yes□ / No□/ NA
#10.7	Positions or Lights - comply?	Yes⊠ / No□/ NA
	Are any all-round lights obscured by mast, etc. by more than 60	°? Yes□ / No⊠/ NA
#10.8	Day 2 Black cones with apexes together or a basket	Yes ⊠/ No□
	Signals 1 Black Ball	Yes ⊠/ No□
#10.9	Sound Signals - comply?	Yes ⊠/ No□

Revision 2

20/01/2014

19

*10.10	Charts and Nautical Publications - comply?	Yes ⊠/ No□
Chapter 11	Accommodation & Working Spaces	
*11.6	Toilet Facilities - comply?	Yes□ / No□/ NA
		\boxtimes
*11.7	Access and Escape Arrangements - comply?	Yes⊠ / No□/ NA
*11.8	Ventilation - comply?	Yes⊠ / No□/ NA
*11.10	Lighting - comply?	Yes⊠ / No□/ NA

<u>Annex</u> 7	New Vessel Constructions	
1.1	Construction Rules used	
*1.6	Are relevant chapters of Code complied with?	Yes ⊠/ No□
*2	Construction and Structural Strength - comply?	Yes ⊠/ No□
*3	Weathertight Integrity - comply?	Yes ⊠/ No□
*4	Stability - comply?	Yes ⊠/ No□
*5	Machinery - comply?	Yes ⊠/ No□
*6	Piping Systems - comply?	Yes ⊠/ No□
*7	Shafting and Stern Gear - comply?	Yes ⊠/ No□
*8	Bilge Pumping Systems - comply?	Yes ⊠/ No□
*9	Steering Gear - comply?	Yes ⊠/ No□
*10	Electrical Systems - comply?	Yes ⊠/ No□
*11	Fire Safety - comply?	Yes ⊠/ No□
*12	Accommodation and Working Spaces - comply?	Yes ⊠/ No□

- vi -

Revision 2

20/01/2014

20

Notes:

- 1. # indicates Statutory requirements
- 2. * indicates mandatory requirement for Code compliance
- 3. \ddagger indicates statutory requirement for vessels $\ge 12m L_{oa}$ and mandatory requirement for Code compliance for vessels < $12m L_{oa}$
- 4. Only Statutory and mandatory Code requirements are to be addressed when completing the Declaration.
- 5. If 'No' is answered to any question, please supply, in a separate statement, the reasons why the particular item is not complied with.
- 6. If a particular item is not applicable, please state the reason why.

Declaration by Authorised Person

Name of Vessel	Fishing Letters & Number	Official Number	Port of Registry
MYIA	G837P		GALWAY

I hereby declare that on 19/5/19 at Galway I completed the survey of the Fishing Vessel Myia and that:

- 1. the particulars given on this form are true and correct;
- 2. in my judgement the vessel complies with the Code of Practice and is fit for its intended fishing method and for the sea areas in which it is intended to operate.

Dated at Galway this 19 day of May 2019

Signed _____

This Declaration is valid until 18 Day of May 2023

Company Stamp

Declaration by Owner

I/WeT Oliver owners of the above described vessel declare that the particulars given on this form are correct and that we have no reason to believe that the vessel is not fit for its intended fishing method or for the sea areas in which it is intended to operate.

Signature(s):....

.....

If company state position held:

Date:....

- vii -

Revision 2

20/01/2014

Notes:

- 1. # indicates Statutory requirements
- 2. * indicates mandatory requirement for Code compliance
- 3. \ddagger indicates statutory requirement for vessels $\ge 12m L_{oa}$ and mandatory requirement for Code compliance for vessels < $12m L_{oa}$
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Signed _____

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Company Stamp

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I/WeT Oliver owners of the above described vessel declare that the particulars given on this form are correct and that we have no reason to believe that the vessel is not fit for its intended fishing method or for the sea areas in which it is intended to operate.

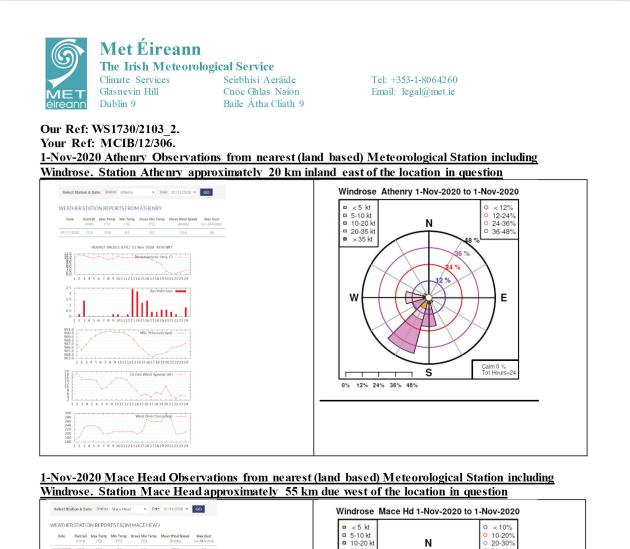
Signature(s):	•••••
If company state position held:	
Date:	

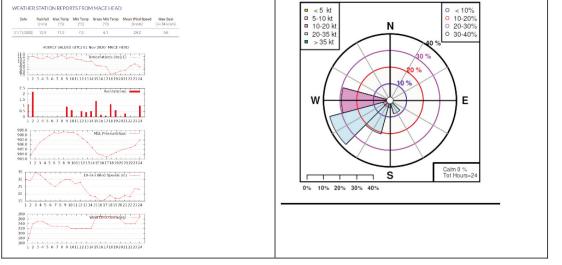
- vii -

Revision 2

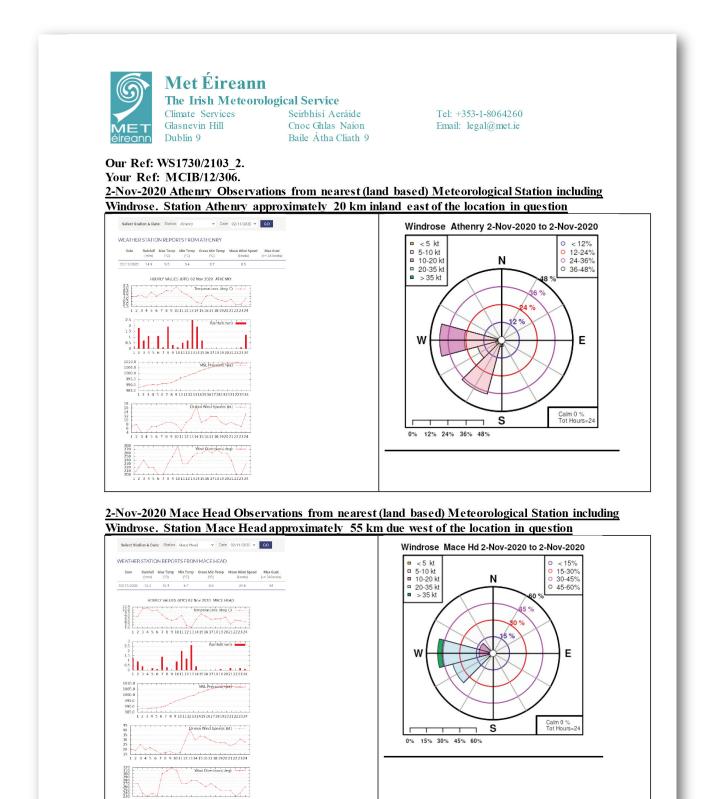
20/01/2014

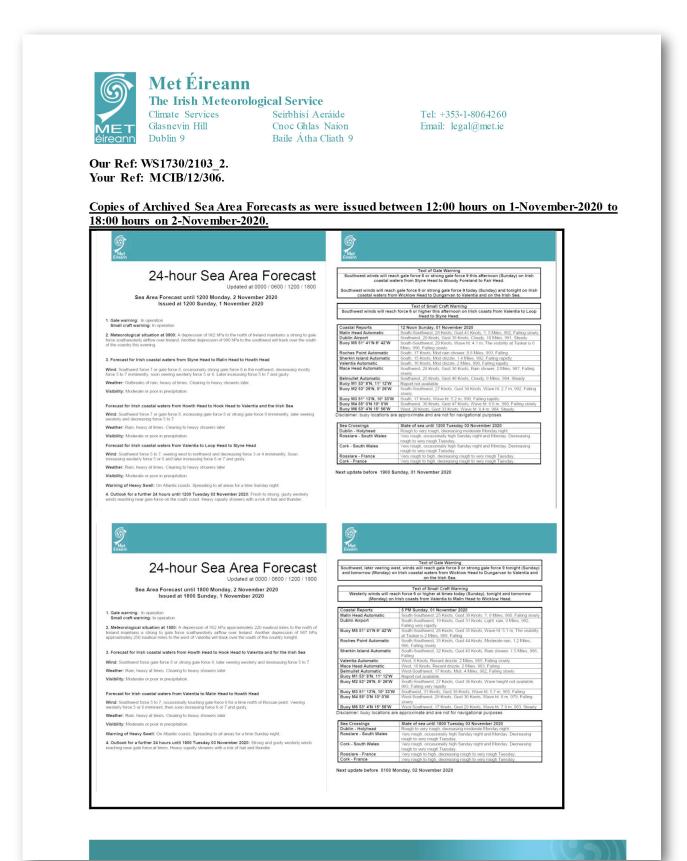
APPENDIX 7.3





2 3 4 5 6 7 8 9 101112131415161718192021222324







The Irish Meteorological ServiceClimate ServicesSeirbhísí AeGlasnevin HillCnoc Ghlas IDublin 9Baile Átha C	Naíon	Tel: +353-1-8064260 Email: legal@met.ie
Dur Ref: WS1730/2103_2. /our Ref: MCIB/12/306.	- 1/201	
MET Weather Forecast From Met Elreann		Weather Forecast From Met Elreann
24-hour Sea Area Forecast	Westerly winds will reach g	Text of Gale Warning jale force today (Monday) on Irish coastal waters from Wicklow Head to oches Point to Erris Head and on the Irish Sea.
Updated at 0000 / 0600 / 1200 / 1800 Sea Area Forecast until 1200 Tuesday, 3 November 2020	Westerly winds will react	Text of Small Craft Warning h force 6 or higher at times today (Monday) on Irish coasts from Erris Head to Fair Head to Wicklow Head.
Issued at 1200 Monday, 2 November 2020	Coastal Reports Malin Head Automatic Dublin Airport	12 Noon Monday, 02 November 2020 West, 8 Knots, Gust 28 Knots, Recent rain, 11 Miles, 994, Rising West-Southwest, 16 Knots, Gust 29 Knots, Rain shower, 4 Miles, 996,
Gale warning: In operation Small craft warning: In operation 2. Meteorological situation at 0900: A complex area of low pressure with a centre of 963hPa centred just on the	Buoy M5 51° 41'N 6° 42'W Roches Point Automatic	Vient-Soulinies, 10 KH00, SUBJ 27 KH05, Nati ShOWet, a Niety, 300, Rising Slowly, West, 28 Knots, Guot 38 Kinots, Wave Ht 5.9 m. The visibility at Tuskar is greater than 10 Mise, 1003, Nising rapidly West, 21 Knots, Guot 38 Knots, Farr, 14 Mise, 1003, Rising rapidly West, 31 Knots, Guot 50 Knots, Record Hozze, 6 Mise, 1005, Rising
west coast of Norway generates a strong to near gale and gusty westerly airflow over treland with embedded troughs in the flow.	Sherkin Island Automatic Valentia Automatic	West, 26 Knots, Gust 40 Knots, Rain shower, 3 Miles, 1005, Rising
 Forecast for Irish coastal waters from Carlingford Lough to Roches Point to Erris Head and for the Irish Sea Wind: Westerly force 7 to gale force 8 and gusty. Soon decreasing westerly force 6 or 7 and gusty. Later 	Mace Head Automatic Belmullet Automatic Buow M1 53° 8°N 11° 12°W	Tapidity West, 20 Knots, Gust 36 Knots, Moderate rain, 2 Miles, 999, Rising rapidly West, 7 Knots, Recent druzzle, 11 Miles, 997, Rising rapidly Report not available
decreasing northwest force 5 or 6 and gusty. Forecast for Irish coastal waters from Erris Head to Fair Head to Carlingford Lough	Buoy M1 53° 8°N, 11° 12°W Buoy M2 53° 8°N, 11° 12°W Buoy M2 53° 29°N, 5° 26°W Buoy M3 51° 13°N, 10° 33°W	West-Southwest, 23 Knots, Wave ht: 2.1 m, 996, Rising slowly West-Northwest, 29 Knots, Gust 36 Knots, Wave ht: 6.2 m, 1007, Rising ranithy
Wind: Westerly force 4 or 5 and gusty. Soon increasing westerly force 6 or 7 and gusty. Weather for all Irish coastal waters and the Irish Sea: Widespread heavy showers.	Buoy M4 55° 0'N 10° 0'W Buoy M6 53° 4'N 15° 56'W Disclaimer: buoy locations ar	WestNorthwest, 15 Knots, Wave ht: 4.1 m, 995, Rising rapidly WestNorthwest, 20 Knots, Gust 31 Knots, Wave ht: 5.5 m, 1004, Rising rapidly e approximate and are not for navigational purposes
Visibility for all Irish coastal waters and the Irish Sea: Moderate or poor in precipitation, otherwise good.	Sea Crossings Dublin - Holyhead Rosslare - South Wales	State of sea until 1200 Wednesday 04 November 2020 Rough decreasing moderate. Very rough decreasing rough.
Warning of Heavy Swell: On Allantic coasts. 4. Outlook for a further 24 hours until 1200 Wednesday 04 November 2020: Firish to strong northwesterly winds steadidy easing. Heavy squally showes, easing and becoming solated Tuesday right.	Cork - South Wales Rosslare - France Cork - France	Very rough to high, decreasing very rough to rough. Very rough to high, decreasing very rough. Very rough to high, decreasing very rough.
	Next update before 1900 M A detailed forecast may be obta	Ionday, 02 November 2020 inied by dialing Weatherdial on 1550 123 855.
9 Event	S Met Erreann	
24-hour Sea Area Forecast	Westerly winds will occas	Text of Gale Warning sionally reach gale force 8 on all Irish coastal waters and the Irish Sea today (Monday) and tonight.
Updated at 0000 / 0600 / 1200 / 1800 Sea Area Forecast until 1800 Tuesday, 3 November 2020		Text of Small Craft Warning See Gale Warning
Issued at 1800 Monday, 2 November 2020	Coastal Reports Malin Head Automatic Dublin Airport	5 PM Monday, 02 November 2020 Southwest, 14 Knots, Rain shower, 11 Miles, 998, Rising West, 22 Knots, Gust 32 Knots, Rain shower, 13 Miles, 1004, Rising
Small craft warning: See Gale Warning 2. Meteorological situation at 1500: Ireland les in a strong and unstable westerly air-flow between low pressure 606/Ph meet Colend and a trand area of high pressure 1040/Pa over the Azores. Showery fronts cross over the	Buoy M5 51° 41'N 6° 42'W Roches Point Automatic	Topicity West, 25 Knots, Wave ht: 4.8 m, The visibility at Tuskar is greater than 10 Miles, 1010, Rising rapidly West, 15 Knots, Far, 13 Miles, 1010, Rising rapidly
country today in the airflow. 3. Forecast for Irish coastal waters from Carnsore Point to Siyne Head to Malin Head	Sherkin Island Automatic Valentia Automatic Mace Head Automatic Belmullet Automatic	Viest, 5 shorts, Viewa frag. on, The victority at Usuari is greater than to West, 1 Shorts, Fair, 1 Shilles, 10:10, Being registry. West, 2 Honds, Fair, 1 Shilles, 10:10, Being registry. West, 20 Notes, Beard Tan, 12 Miles, 10:10, Being West, 20 Notes, Beard Tan, 12 Miles, 10:10, Being West, 20 Notes, Gaird 2 Korts, Fair, 5 Miles, 10:05, Rising registry. West, 15 Notes, Gaird 28 Korts, Fair, 5 Miles, 10:06, Rising West, 15 Notes, Gaird 28 Korts, Fair, 5 Miles, 10:04, Rising
Wind: Westerly force 6 or 7 occasionally reaching gale force 8. Soon becoming northwest. Later force 4 to 6 towards end of period.	Buoy M1 53° 8'N, 11° 12'W Buoy M2 53° 29'N, 5° 26'W	Report not available West, 30 Knots, Gust 41 Knots, Wave height not available, 1002, Rising routh
Weather: Frequent showers, some prolonged with risk of hail and isolated thunderstorms. Visibility: Moderate to poor in precipitation, otherwise good.	Buoy M6 53° 4'N 15° 56'W	Vest, 19 Knots, Gust 31 Knots, Wave ht. 6 m, 1011, Rising slowly West-Northwest, 27 Knots, Gust 34 Knots, Wave ht. 3.9 m, 1000, Rising rapidly West, 24 Knots, Gust 37 Knots, Wave ht. 5.7 m, 1006, Rising slowly
Forecast for Irish coastal waters from Malin Head to Carlingford Lough to Carnsore Point and the Irish Sea Wind: West force 6 to gale force 6. Soon becoming southwest to west force 5 or 6 and gusty. Later west to	Disclaimer: buoy locations an Sea Crossings	e approximate and are not for navigational purposes State of sea until 1800 Wednesday 04 November 2020
northwest force 5 or 6. Weather: Rain in northern areas clearing to scattered showers tonight, some heavy with risk of hail and isolated thunderstorms.	Rosslare - South Wales	Rough, decreasing moderate overnight Monday. Signt to moderate from Tuesday night. Rough to very rough. Moderate to rough from early Tuesday. Slight to moderate from Wednesday morning.
Visibility: Moderate to poor in precipitation, otherwise good. Warning of Heavy Swell: on Atlantic coasts.	Cork - South Wales Rosslare - France Cork - France	Rough to very rough. Moderate to rough from early Tuesday. Slight to moderate from Wednesday morning. Rough to very rough. Moderate to rough from Wednesday morning. Rough to very rough. Moderate to rough from Wednesday morning.
4. Outlook for a further 24 hours until 1980 Wednesday 04 November 2920. It foldswatel to train northwest to with usely, down at trains an institution and acco. Sterily decrearing light to moderate from the sect on Wednesday, backing wednety in the alternor on onthem sea areas. Modify for with celled streams becoming located Transform grid.	Next update before 0100 T	
economy second to the only ingen.		





Tel: +353-1-8064260 Email: legal@met.ie

Our Ref: WS1730/2103_2. Your Ref: MCIB/12/306.

Appendix Terminology Sea State & Visibility

Wave Heights / State of Sea:

The wave height is the vertical distance between the crest and the preceding or following trough. The table below gives a description of the wave system associated with a range of significant wave heights.

The Significant wave height is defined as the average height of the highest one-third of the waves. (It is very close to the value of wave height given when making visual observations of wave height.)

Sea State (Descriptive)	Significant Wave height in meters
Calm	0 - 0.1
Smooth(Wavelets)	0.1 - 0.5
Slight	0.5 - 1.25
Moderate	1.25 - 2.5
Rough	2.5 - 4
Very rough	4-6
High	6-9
Very high	9-14
Phenomenal	Over 14

Individual waves in the wave train will have heights in excess of the significant height. The highest wave of all will have a height about twice the significant height.

Visibility Descriptions:

Visibility (Descriptive)	Visibility in nautical miles (kilometres)
Good	More than 5 nm $(> 9 \text{ km})$
Moderate	2-5 nm (4-9 km)
Poor	0.5 - 2 nm (1 - 4 km)
Fog	Less than 0.5 nm (< 1km)

Please Note:

If there are no measurements or observations available for an exact location, then the estimated conditions in this report are based on all available meteorological measurements and observations which have been correlated on the routine charts prepared by Met Éireann.

APPENDIX 7.4

Appendix 7.4 IRCG SITREP

ROUTINE 02 1439Z NOV 20 FROM MRSC VALENTIA TO MRSC VALENTIA SITREP GROUP BT F/V IN DIFFICULTY GALWAY BAY UIIN2380/20 SAR SITREP ONE AND FINAL A - IDENTITY OF CASUALTY: MALE **B - POSITION** 53°14.50'N 009°05.70'W **C - SITUATION** F/V IN DIFFICULTY GALWAY BAY **D - NUMBER OF PERSONS** 1 **E - ASSISTANCE REQUIRED** LOCATE AND ASSIST **F - COORDINATING RCC** MRSC VALENTIA **G - DESCRIPTION OF CASUALTY** MALE IN 30'S H - WEATHER ON SCENE WIND: 4, W / AIR TEMP: 10°C / CLOUD COV: OVERCAST J - INITIAL ACTIONS TAKEN TASKED GALWAY L/B, R118 AND R115 - MAYDAY RELAY B/CAST K - SEARCH AREA BLACKROCK, SALTHILL L - COORDINATING INSTRUCTIONS LOCATE AND ASSIST M - FUTURE PLANS N/A N - ADDITIONAL INFORMATION 1343 LOM GALWAY L/B ADVZ THEY GOT REPORT OF FISHING VESSEL IN DIFFICULTY OFF SALTHILL, 2 POB, NO FURTHER INFO PAGED GALWAY L/B 1348 LOM GALWAY L/B NOW ADVZ MAN OVERBOARD FROM THAT FISHING VESSEL TASKED R118, **B/CAST MAYDAY RELAY** 1352 CELTIC EXPLORER ON WAY 1354 R115 LANDING AT BASE, TASKED TO GALWAY AFTER REFUEL 1414 GALWAY L/B ON SCENE AND HAVE CASUALTY ON BOARD, RTNG TO BASE - NEOC ADVZ -AMBULANCE WAITING R115 AND CELTIC EXPLORER STOOD DOWN, R118 ETA 1452, GARDAI ADVZ 1419 MAYDAY RELAY CANCELLED 1434 NEOC ADVZ CASUALTY ON WAY TO HOSPITAL, R118 STOOD DOWN GALWAY L/B CLOSING M. CURTIN

APPENDIX 7.5

31

Appendix 7.5 Photograph No. 2 - Shrimp Pots



SECTION 36 PROCESS

Section 36 of the Merchant Shipping (Investigation of Marine Casualties) Act, 2000

It is a requirement under Section 36 that:

- (1) Before publishing a report, the Board shall send a draft of the report or sections of the draft report to any person who, in its opinion, is likely to be adversely affected by the publishing of the report or sections or, if that person be deceased, then such person as appears to the Board best to represent that person's interest.
- (2) A person to whom the Board sends a draft in accordance with subsection (1) may, within a period of 28 days commencing on the date on which the draft is sent to the person, or such further period not exceeding 28 days, as the Board in its absolute discretion thinks fit, submit to the Board in writing his or her observations on the draft.
- (3) A person to whom a draft has been sent in accordance with subsection (1) may apply to the Board for an extension, in accordance with subsection (2), of the period in which to submit his or her observations on the draft.
- (4) Observations submitted to the Board in accordance with subsection (2) shall be included in an appendix to the published report, unless the person submitting the observations requests in writing that the observations be not published.
- (5) Where observations are submitted to the Board in accordance with subsection (2), the Board may, at its discretion -
 - (a) alter the draft before publication or decide not to do so, or
 - (b) include in the published report such comments on the observations as it thinks fit.'

The Board reviews and considers all observations received whether published or not published in the final report. When the Board considers an observation requires amendments to the report, those amendments are made. When the Board is satisfied that the report has adequately addressed the issue in the observation, then no amendment is made to the report. The Board may also make comments on observations in the report.

Response(s) received following circulation of the draft report (excluding those where the Board has agreed to a request not to publish) are included in the following section.

The Board has noted the contents of all observations, and amendments have been made to the report where required.

8. MSA 2000 - SECTION 36 OBSERVATIONS RECEIVED

		PAGE
8.1	Observation from RNLI and MCIB response	34

Note: The names and contact details of the individual respondents have been obscured for privacy reasons.

8.1 Observation from RNLI and MCIB response

	ved the draft report into the fatal incident involving the "FV Myia" and confiri rther comments or observations to offer.
Sincerely	
A GIFT IN YO	
	ECTION AT SEA
	e the kit and training that crews safe, day and night
FIND OUT MORE	Lifeboats
	is email? The RNLI considers the environment - reduce, reuse, recycle.
have received the en intended recipient, y expressed by an indi	files transmitted with it are confidential. It is for the intended recipient only. If you mail in error please notify the author by replying to this email. If you are not the vou must not disclose, distribute, copy, print, or rely on this email. Any views ividual within this email which do not constitute or record professional advice , do not necessarily reflect the views of the organisation.
Scotland (SC037736) the Isle of Man (130) Limited (Registered I as RNLI Shop, and R	Lifeboat Institution (RNLI), a charity registered in England and Wales (209603),), the Republic of Ireland (CHY 2678 and 20003326), the Bailiwick of Jersey (14), 18 and 006329F), the Bailiwick of Guernsey and Alderney, Clayton Engineering No. 01274923), R.N.L.I. (Sales) Limited (registration number 2202240) also tradir RNLI College Limited (registration number 7705470), all companies are registered with registered offices at West Quay Road, Poole, Dorset, BH15 1HZ
This message has be	een scanned for viruses by Forcepoint MailControl

MCIB RESPONSE: The MCIB notes the contents of this observation.

NOTES

36-





Leeson Lane, Dublin 2. Telephone: 01-678 3485/86. email: info@mcib.ie www.mcib.ie