

Marine Safety Audit 2013
 Report by Head of Safety Management

Summary: This report gives details of the marine incidents reported during 2013 from April 2013 to March 2014, including an analysis of deaths and personal injury since 1993. There have been two fatalities, although not boat related, and one fire caused by a gas flashback.

Recommendation: That members note the report.

1 Introduction

1.1 The reporting period is from 1 April 2013 to end March 2014. The report is limited to the Broads Authority's area of marine responsibility. Notable incidents are listed below.

2 Summary of Incidents Reported

2013	Incident Details	Hazard Log Category
23/4	Male attempts suicide by jumping from High Quay, Yarmouth. Recovered using life ring.	Not Applicable
27/4	Whilst mooring an adult male jumped ashore with the warp, but missed and entered the water. He was hanging onto the transom with the motor in gear. Quay Attendant dealt.	Embarkation/ Disembarkation
5/5	6/7 year boy ran ahead of family and attempted to board on his own. Missed and fell in. Recovered unharmed.	Embarkation/ Disembarkation
10/5	Disembarking a male fell and broke his leg. Medivac by air/sea rescue.	Embarkation/ Disembarkation
18/5	Male broke his ankle jumping from moored cruiser.	Embarkation/ Disembarkation
20/5	Female broke ankle disembarking.	Embarkation/ Disembarkation
29/5	12 year boy boarding alone fell between boat and quay. Recovered by Quay Attendant unharmed.	Embarkation/ Disembarkation

4/6	Male fell in while mooring. Rescued by nearby river works crew. Injured arm.	Embarkation/ Disembarkation
23/6	A male standing on stern of vessel mooring was taken by surprise by an unexpected manoeuvre, and fell in. Recovered by Quay Attendant.	Embarkation/ Disembarkation
7/7	Couple treated for burns and shock after major flash back when lighting gas oven.	Fire
23/7	Male fell in while transferring from cruiser into dinghy at Yacht Station. Recovered by his son.	Embarkation/ Disembarkation
23/7	Male hospitalised with appendicitis.	Medical Emergency
29/7	Young lad jumped ashore during mooring, missed and fell in. Recovered by Quay Attendant.	Embarkation/ Disembarkation
7/8	Lady fell while disembarking at pub mooring and broke collar bone.	Embarkation/ Disembarkation
7/8	While crabbing a 7 year boy fell from quay into strong tidal water. Father entered water after him. Both were saved by quick thinking hire crew on passing cruiser, and a large emergency response ensued.	Falling In
16/8	Man fell in while mooring at Yarmouth Yacht Station. Got out using ladder.	Embarkation/ Disembarkation
9/9	Male fell from boat onto quay and broke wrist.	Embarkation/ Disembarkation
10/9	Elderly male fell in from pub quay. Rescued unharmed.	Falling In
12/9	Female attempts suicide by jumping in near Bishops Bridge. Rescued by Quay Attendant and recovered to hospital by ambulance.	Attempted suicide
19/9	Female falls in while attempting to insert a rhond anchor. Recovered safely and no treatment required.	Falling In
21/9	Lady trapped finger in door. Attended to at walk in centre.	Accident
22/9	Male fell on rear stairs on board and injured ribs. Removed to hospital by ambulance	Medical Emergency
17/10	Angler casting from bank lost balance and fell in. Recovery assisted by	Fallen In

	passers by. No treatment required.	
23/10	Male corpse floating near Peters Bridge	Not Boat related
28/10	Male fell in while attempting to moor. Suffered cuts to head. Female partner damaged finger attempting rescue. Both recovered to hospital.	Embarkation/ Disembarkation
13/1	Female body recovered at Whitlingham	Not Boat Related
28/3	Ambulance recovers heart attack victim to hospital	Medical Emergency

3 Conclusion

- 3.1 The Broads Authority has sought to continue to highlight the message of personal responsibility for safety in its publications and has encouraged boaters to take a more proactive role by becoming better-informed and wearing lifejackets. Reports from officers have indicated that again this year has seen a noticeable increase in the number of boaters seen wearing lifejackets particularly on hire boats.
- 3.2 Boat fires continue to remain at a low level demonstrated in previous years. All boats involved in fires held current Boat Safety Scheme Certificates.
- 3.3 It should be noted that there were no fatalities relating to incidents from boat use.
- 3.4 The majority of incidents where hospital treatment was required continue to be attributed to embarkation and disembarkation with a slight increase in numbers in comparison with the previous year.
- 3.5 The fire boating related statistics suggest that when viewed over several years, the statistics continue to demonstrate a fairly static position.
- 3.6 Incident reports can be submitted on-line via an electronic form which can be found on the Broads Authority website.
- 3.7 When consideration is given to the large number of visitors to the Broads, the statistics demonstrate that the Broads continues to be a safe place for boating and boating related activities.

4 Next Steps

- 4.1 Drowning relating to boating activities have significantly fallen this year, however it remains important for all agencies and organisations to continue to raise awareness of this hazard. In an effort to continue to encourage more people to wear lifejackets or buoyancy aids the Authority and its partners, Broads Hire Boat Federation, Norfolk and Suffolk Boating Association and the booking agents Blakes and Hoseasons, are to re- launch its campaign of posters, logoed torches and keyrings to support the "Wear It" safety message.

Additionally, Hire boat yards are asked to highlight this message during the boat handover, and the Authority continues to make the Moorings Code leaflet available to support the communications.

Background papers:	Previous annual reports
Author:	Steve Birtles
Date of Report:	3 April 2014
Broads Plan Objectives:	NA4.2
Appendices:	TABLE 1 – Analysis of Death/Injuries Since 1993 TABLE 2 – Analysis of Fire and Explosions Since 1993

TABLE 1

Analysis of Death/Injuries Since 1993

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	
Death																						
No of deaths on or from boats	2	2	3	1	1	3	2	1	3	2	6	0	0	2	0	0	0	2	4	2	0	
Reported deaths not related to boating	1	3	4	-	2	1	4	4	2	3	1	0	7	2	1	1	3	3	3	8	2	
Cause of death																						
Severe injury	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Heart Attack	0	2	0	0	0	0	1	1	0	1	0	0	0	1	0	1	2	2	1	5	0	
Drowning	0	1	2	1	0	4	5	1	3	3	5	0	4	3	0	0	0	1	3	2	0	
Asphyxiation/CO poisoning	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Terminal Illness																				1	0	0
Not Known	0	2	4	0	2	0	0	1	0	0	2	0	3	0	1	0	1	2	2	0	2	
Reports of people inadvertently entering in the water See footnote.	0	0	3	2	4	8	2	5	1	4	15	16	12	23	29	17	34	20	17	18	12	
No of persons reported as requiring hospital treatment	0	0	0	9	8	7	9	8	7	7	18	2	4	13	12	11	22	30	17	15	19	
Nature of injuries																						
Head	0	0	2	0	4	1	3	2	1	1	1	1	3	1	1	5	3	3	1	3	3	
Arm/hand	0	0	2	1	6	0	0	1	3	1	1	1	0	1	6	4	1	4	4	2	4	
Leg/foot	0	0	3	5	4	2	4	1	2	2	2	2	1	3	7	5	7	8	3	6	4	
Torso, ribs, chest, back	0	0	1	0	2	0	1	4	1	1	2	0	1	4	3	0	2	4	2		2	
Not described	0	0	1	1	0	0	0	0	0	0	10	2	1	4	0	0	8	10	2	2	5	
Asphyxiated/CO poisoning	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	
Burns/Scalds	0	0	0	1	1	4	1	1	0	2	1	0	0	1	1	0	1	2	1		1	
Heart attack																				3	5	1

Footnote: Reports where someone inadvertently found themselves in the water. It does not include capsizes of sailing dinghies etc, or from any other contact water sports where entry into the water is predictable.

TABLE 2**Analysis of Fire and Explosions Since 1993**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of incidents	2	4	7	2	5	4	6	3	4	2	2	0	2	22	8	4	4	3	3	1	1
Vessels involved (Private)	2	3	5	1	3	4	3	2	2	2	1	0	1	18	10	4	2	2	2	1	1
Vessels involved (Hire)	0	0	3	1	2	0	3	1	2	0	1	0	1	4	1	0	2	1	1	0	0
Prime cause LPG	0	0	2	0	0	2	0	1	1	0	2	0	0	0	1	0	0	1	0	0	1
Prime cause Petrol	0	2	2	0	1	1	1	0	0	1	0	0	0	1	2	0	0	0	2	1	0
Prime cause Electrical	1	0	0	0	2	0	0	1	1	1	0	0	1	0	1	2	2	1	1	0	0
Prime cause Other	1	1	3	2	2	1	5	1	2	0	0	0	1	21	4	2	2	1	0	0	0
No of vessels total loss	0	1	3	1	2	0	1	2	2	2	0	0	0	20	6	2	1	0	2	1	0
No of injuries from fires requiring hospital treatment	0	1	2	0	1	3	1	0	0	2	2	0	0	1	1	0	0	2	1	0	1
No of fatalities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0