

Safety Audit 2018 Report
Report by Head of Safety Management

Purpose: This report gives details of the incidents reported during 2018 from April 2018 to March 2019, including an analysis of deaths and personal injury since 1997.

1 Introduction

1.1 The reporting period is from 1 April 2018 to the 31 March 2019. The report is limited to the Broads Authority's area of marine responsibility. Notable incidents are listed below.

2 Summary of Incidents Reported

2018	Incident Details	Hazard Log Category
6/4	Fire on board vessel at Oulton Broad Yacht Station. 1 person on board (pob). No injuries	Fire
22/4	Hirer fell from vessel while coming into mooring. Hospitalised with broken ribs and punctured lung	Embarkation/Disembarkation
23/4	Male fell over mooring post stump at Horning staithe. Ruptured stomach, requires surgery	Injury
24/4	3 persons rescued from Wensum by Fye Bridge. Female with medical problems taken to hospital.	Jumped in
4/5	Fell while mooring, hit ribs/chest on mooring post. Taken to hospital with bruising but able to resume holiday	Embarkation/Disembarkation
7/5	Male fell on vessel and dislocated shoulder. Hospitalised.	Injury
14/5	Female suffered cut to hand from mooring rope at Great	Injury

	Yarmouth Yacht Station. Wound treated in at hospital	
17/5	Female fell onto quay at Norwich Yacht Station. Injury to elbow, treated at hospital	Embarkation/Disembarkation
21/5	Female crushed leg while mooring at Ranworth and fell into water. Airlifted to hospital with double open leg fracture	Embarkation/Disembarkation
27/5	Male fell while mooring at St Benets, suffering facial injuries. Treated in hospital but able to resume holiday same day	Embarkation/Disembarkation
29/5	Male collapsed on vessel at Hoveton viaduct. Taken to hospital	Medical
30/5	Male damaged ankle while mooring at Ludham Bridge. Taken to hospital	Embarkation/Disembarkation
2/6	Carbon monoxide poisoning on vessel at Somerleyton. 4 pob required hospital treatment	Medical
4/6	Fatality of male from suspected cardiac arrest on vessel at Hoveton	Fatality
4/6	Child fallen in at Norwich Riverside. Uninjured	Fallen in
10/6	Female jumped into river from Wroxham Bridge. Taken to hospital	Jumped in
16/6	Male transferred to hospital from vessel at Acle	Medical
17/6	Male transferred to hospital from vessel at Ludham Bridge	Medical
17/6	Child transferred to hospital from vessel at Thurne Dyke	Medical
24/6	Person in water at Norwich Yacht Station. Refused medical attention	Fallen in
1/7	Fire on vessel at Hoveton caused by electrical fault. Pob not injured	Fire
2/7	Male fell on vessel at Reedham Quay. Broken thumb, in hospital overnight	Injury

3/7	Person transferred to hospital from vessel at Wroxham	Medical
5/7	2 persons fell into river from vessel at Great Yarmouth Yacht Station. Assisted out by BA Quay Attendant. Not injured	Fallen in
9/7	Person transferred to hospital from vessel at St Olaves. Diabetic coma	Medical
12/7	Female transferred to hospital from vessel at Acle Bridge. Breathing difficulties	Medical
13/7	Male transferred to hospital from vessel at Somerleyton. Cardiac arrest	Medical
14/7	Male jumped into river in Norwich. Assisted out. Refused medical treatment	Jumped in
18/7	Male transferred to ambulance from trip boat "Southern Comfort". Chest pains	Medical
20/7	10 yr old boy fell into river at Reedham. Assisted out, uninjured	Fallen in
24/7	Female fell in to river at Great Yarmouth Yacht Station. Uninjured	Fallen in
30/7	Male fell in to river at Hoveton while stepping on to vessel	Embarkation/Disembarkation
1/8	Female injured when caught leg in mooring rope of departing vessel. Serious leg injury, taken to hospital	Embarkation/Disembarkation
4/8	Female fell on vessel at Woodbastwick. Back injury. Hospital not required	Injury
4/8	Suicidal female pulled from river at Wroxham	Jumped in
7/8	Child fell from vessel at Reedham Quay. Assisted ashore by BA Quay Attendant. Not injured	Fallen in
8/8	Female fell from vessel as leaving Great Yarmouth	Embarkation/Disembarkation

	Yacht Station. Assisted to safety ladder. Not injured	
10/8	Female fell from boat as mooring at Reedham Quay. Fractured wrist, able to resume holiday	Embarkation/Disembarkation
13/8	Female fell from vessel while mooring at Great Yarmouth Yacht Station. Assisted from water by BA Quay Attendant. Not injured	Embarkation/Disembarkation
13/8	Male fell from vessel while mooring at St Benets. Assisted ashore by Ranger. Not injured	Embarkation/Disembarkation
19/8	Male found in water by Bishops Bridge. Assisted by BA Quay Attendant and passer-by. CPR given, taken to hospital	Fallen in
23/8	Female fell from vessel while mooring on River Bure. Bruised ribs	Embarkation/Disembarkation
27/8	Drunk male fell into river opposite Norwich Yacht Station. Not injured	Fallen in
27/8	Male fell from vessel while mooring at Norwich Yacht Station. Not injured	Embarkation/Disembarkation
30/8	Female fell from vessel under power on Lower Bure. Recovered by crew and taken to Great Yarmouth Yacht Station to ambulance	Fallen in
31/8	Suicidal female in river at Wroxham. Detained under Mental Health Act	Jumped in
12/9	Female injured back, leg and arms jumping from vessel at Berney Arms. Taken by BA launch to waiting ambulance	Embarkation/Disembarkation
12/9	Male transferred to ambulance from vessel at Horning Swan	Medical
13/9	Person injured by cleat on quay at Reedham. Taken to hospital	Injury
15/9	Body of missing person found near Haven Bridge	Fatality

16/9	Body recovered from river near Whitlingham in apparent suicide	Fatality
17/9	Female injured stepping off boat at Potter Heigham. Treated at hospital for cut to leg	Embarkation/Disembarkation
19/9	Male on vessel at Hoveton viaduct with chest pains	Medical
20/9	Male transferred to ambulance from vessel at Stalham. Treated in hospital	Medical
21/9	Male with medical condition fell into river at Acle. Unable to get himself out. Assisted out by HMCG. Not injured	Fallen in
26/9	Female fell in river at Sutton Staithe. Unconscious, taken to hospital	Fallen in
27/9	Male fell in to river at Reedham while mooring. Assisted out by BA Quay Attendant. Cut to arm. Treated on site by ambulance	Embarkation/Disembarkation
3/10	Male with chest pains on vessel on River Ant. Assessed on scene but hospital treatment not required	Medical
4/10	Male with chest pains on vessel on Breydon Water. Taken to hospital by car	Medical
9/10	Female suffered cardiac arrest on vessel at Acle. Transferred to hospital	Medical
21/10	Male suffered suspected stroke on vessel at Potter Heigham. Taken to hospital	Medical
24/10	17 sea cadets and 4 Instructors in distress following grounding on Breydon Water. 1 person taken to hospital	Medical
30/10	Drunk male drove car into river at Horning Ferry. Recovered from water and taken to hospital	Fallen in
1/11	Male fell from vessel while mooring at Acle Bridge. Head	Embarkation/Disembarkation

	and leg injury, taken to hospital by ambulance	
18/11	Boat fire on wild mooring near Barton Turf. Vessel burnt out and sunk	Fire
5/12	Male suffered cardiac arrest on vessel at Thorpe Island. Transferred to hospital by ambulance	Medical
5/2	Male jumped into river from Vauxhall Bridge. Taken to hospital	Jumped in
15/12	Male injured knee on vessel at Barton Turf. Taken to hospital	Injury
29/12	Boat fire at Beccles 24 hour mooring. 1 pob not injured	Fire
6/1	Explosion and fire on vessel at Griffin Marine. 1 pob taken to hospital with broken leg	Explosion/Fire
26/1	Male fell into water while boarding vessel at Hoveton. Died in hospital	Fatality
14/3	Female requiring medical attention – diabetic- on broken down vessel. Transferred to ambulance	Medical
24/3	Person slipped and fell in water while broken down vessel being prepared for tow. Uninjured	Fallen in
26/3	Casualty with suspected broken ribs following fall on board hire cruiser. Taken by ambulance to hospital	Injury
28/3	Female fell on board vessel at South Quays Marina, Horning. Leg injury. Taken by ambulance to hospital.	Injury
27/3	Male fell into water after scull hit by another vessel. Minor injuries, hospital treatment not required.	Fallen in

3 Conclusion

- 3.1 The incidents to date do not appear to be dissimilar to those presented in previous years. Records show that incidents requiring medical treatment have increased.

3.2 As with previous years evidence suggests that disembarkation and falling in remains to be the main area of activity which results in injury and potential for drowning.

3.3 The Broads Hire Boat Federation has agreed to ensure that their members bring to the attention of the customers of the need to take care when getting off and on their boats.

4 Looking Forward

4.1 The National Water Safety Forum's UK Drowning Prevention Strategy was launched in 2016 at Westminster which calls for organisations to work together to deliver safety messages and encourage participation. The strategy aims to reduce accidental drowning in the UK by 50% by 2026.

4.2 The Broads Authority will continue to work with stakeholder groups to assist in the delivery of the strategy initially to continue to promote the "Wear it" campaign and to raise awareness of everyday risk in, on and around water by sharing information.

4.3 There will be 10 Super Safety Days and Evenings this year where Rangers will provide information and advice on Carbon Monoxide, Tolls, Life jackets, and general safety related issues.

Background papers: Previous annual incident reports

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Appendices: Appendix 1 – Table 1 Analysis of Death/Injuries Since 1997
Appendix 2 – Table 2 Analysis of Fire and Explosions Since 1997

TABLE 1
Analysis of Death/Injuries Since 1997

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Death																						
No of deaths on or from boats	1	3	2	1	3	2	6	0	0	2	0	0	0	2	4	2	0	2	1	5	1	2
Reported deaths not related to boating	2	1	4	4	2	3	1	0	7	2	1	1	3	3	3	8	2	5	4	2	1	2
Cause of death																						
Severe injury	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Heart Attack	0	0	1	1	0	1	0	0	0	1	0	1	2	2	1	5	0	1	1	3	1	1
Drowning	0	4	5	1	3	3	5	0	4	3	0	0	0	1	3	2	0	5	3	0	0	3
Asphyxiation/CO poisoning	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Terminal Illness															1	0	0	0	0	0	0	0
Not Known	2	0	0	1	0	0	2	0	3	0	1	0	1	2	2	0	0	1	0	2	1	0
Reports of people inadvertently entering in the water See footnote.	4	8	2	5	1	4	15	16	12	23	29	17	34	20	17	18	12	22	19	21	12	23
No of persons reported as requiring hospital treatment	8	7	9	8	7	7	18	2	4	13	12	11	22	30	17	15	19	14	13	30	36	49
Head	4	1	3	2	1	1	1	1	3	1	1	5	3	3	1	3	3		2	7	3	4
Arm/hand	6	0	0	1	3	1	1	1	0	1	6	4	1	4	4	2	4	1	0	3	4	6
Leg/foot	4	2	4	1	2	2	2	2	1	3	7	5	7	8	3	6	4	3	4	9	8	8
Torso, ribs, chest, back	2	0	1	4	1	1	2	0	1	4	3	0	2	4	2	0	2	2	2	1	5	8
Not described	0	0	0	0	0	0	10	2	1	4	0	0	8	10	2	2	5	1	4	6	12	13
Asphyxiated/CO poisoning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	4
Burns/Scalds	1	4	1	1	0	2	1	0	0	1	1	0	1	2	1		1	2	0	0	0	0
Heart attack															3	5	1	2	1	5	3	10

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 1997

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of incidents	5	4	6	3	4	2	2	0	2	22	8	4	4	3	3	1	1	1	0	2	2	5
Vessels involved (Private)	3	4	3	2	2	2	1	0	1	18	10	4	2	2	2	1	1	3	0	1	2	5
Vessels involved (Hire)	2	0	3	1	2	0	1	0	1	4	1	0	2	1	1	0	0	0	0	1	0	0
Prime cause LPG	0	2	0	1	1	0	2	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0
Prime cause Petrol	1	1	1	0	0	1	0	0	0	1	2	0	0	0	2	1	0	1	0	0	0	1
Prime cause Electrical	2	0	0	1	1	1	0	0	1	0	1	2	2	1	1	0	0	0	0	1	0	1
Prime cause Other	2	1	5	1	2	0	0	0	1	21	4	2	2	1	0	0	0	2	0	1	2	3
No of vessels total loss	2	0	1	2	2	2	0	0	0	20	6	2	1	0	2	1	0	0	0	0	1	2
No of injuries from fires requiring hospital treatment	1	3	1	0	0	2	2	0	0	1	1	0	0	2	1	0	1	0	0	0	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	0