

# Navigation Committee

03 September 2020

Agenda item number 13

## Annual safety audit 2019/2020

Report by Head of Safety Management

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### Purpose

This report presents the annual review of marine incidents.

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## 1. Annual Marine Incident Statistics

- 1.1. Appendix 1 gives details of the main incidents reported during the period April 2019 to March 2020, including an analysis of deaths and personal injury since 1993. When considering 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.
- 1.2. The Authority has continued to highlight the message of personal responsibility for safety in its publications and encourage boaters to take a more proactive role by becoming better informed and wearing lifejackets at critical times. Reports from officers have indicated that this year has seen a noticeable increase in the number of boaters seen wearing lifejackets, particularly on hire boats, but this is balanced by near misses where people not wearing lifejackets fell into the water.
- 1.3. Notable points are:
  - Boat fires continue to remain at a low level, as in previous years.
  - There were three incidents from vessels resulting in fatality. Two deaths were from drowning and the other was likely to be a result of natural causes.
  - The majority of incidents requiring hospital treatment continue to be attributed to embarkation and disembarkation.
  - Total incidents are slightly down from the previous year. This might be due to C-19 lockdown restrictions preventing hospitality businesses from operating and people travelling to holiday or second homes.
- 1.4. Through the Boat Safety Scheme (BSS), the Authority recently introduced the requirement for boats with accommodation to have a Carbon Monoxide (CO) alarm fitted. This follows the tragic deaths from CO of two people on the Broads in 2016. The BSS and the Authority will continue to raise awareness of the hazard, and leaflets

and a communications campaign have been developed jointly by the Council for Gas Detection and Environmental Monitoring and the BSS.

- 1.5. Rangers continue to brief boaters on the dangers and effects of CO to help raise awareness of the hazard and the signs of CO poisoning, as well as keeping a stock of CO alarms for sale.

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Date of report: 11 August 2020

[Broads Plan](#) objectives: 4.3

Appendix 1 – Annual Marine Incident Statistics

## Appendix 1 - Annual Marine Incident Statistics

The reporting period is from 1 April 2019 to the end of March 2020. The report is limited to the Broads Authority's executive area of marine responsibility. Notable incidents are listed below.

**Table 1**

Summary of incidents reported

2019	Incident Details	Hazard Log Category
2/4	Transferred to hospital from vessel at St Olaves	Medical
7/4	Transferred to hospital from vessel at Loddon	Fatality
9/4	Fell from vessel at Great Yarmouth. Assisted out.	Fallen in
11/4	Transferred to hospital from vessel at Ludham	Injury
12/4	Transferred to hospital from Martham Boats	Injury
12/4	5 persons assisted from water at Potter Heigham after yacht capsize	Fallen in
13/4	Transferred to hospital from vessel at Hoveton	Medical
21/4	Transferred to hospital from vessel at Wayford Bridge	Medical
21/4	Fell and suffered injury at Cantley moorings	Embarkation/Disembarkation
30/4	Fell in water from dayboat at Oulton Broad	Fallen in
4/5	Fell from hire cruiser at Acle	Fallen in
5/5	Transferred to hospital following collapse on hire boat	Medical
6/5	Fell in river while intoxicated at Norwich	Fallen in
10/5	Male jumped in river at Great Yarmouth to escape police	Jumped in
12/5	Fell in from dayboat while intoxicated	Fallen in
14/5	Injured by sailing boat mast at Ludham Bridge	Injury
14/5	Transferred to hospital from Upton	Medical
19/5	Fell while mooring at Womack	Embarkation/Disembarkation
21/5	Leg injury after falling from dayboat at Reedham Ferry	Embarkation/Disembarkation
22/5	Injured shoulder while mooring at St Benets	Embarkation/Disembarkation

<b>2019</b>	<b>Incident Details</b>	<b>Hazard Log Category</b>
24/5	Transferred to hospital from Reedham Quay	Medical
1/6	2 persons fell in at Great Yarmouth while intoxicated	Fallen in
7/6	Male fell in while mooring at Reedham	Embarkation/Disembarkation
9/6	2 persons transferred to hospital following bridge strike at Great Yarmouth	Injury
12/6	Male fell while mooring at Hoveton	Embarkation/Disembarkation
22/6	Male fell from dayboat while intoxicated. Suffered injury	Fallen in
26/6	Male jumped in at Norwich. Transferred to hospital	Jumped in
8/7	Male fell in from vessel at Somerleyton	Fallen in
18/7	Body recovered from river at Great Yarmouth	Fatality
25/7	Female and dog fell in at Norwich. Not injured	Fallen in
3/8	Female jumped in at Norwich	Jumped in
3/8	Female injured stepping on to dayboat at Salhouse	Embarkation/Disembarkation
7/8	Transferred to hospital from vessel at Somerleyton	Medical
8/8	Male injured when fell on hire boat	Injury
13/8	Male fell from boat at St Benets	Fallen in
16/8	Male fell from boat at St Benets	Fallen in
26/8	Engine fire on private vessel at Oulton Dyke. Extinguished, no injuries	Fire
30/8	Male fell on private boat at Loddon, transferred to hospital	Injury
6/9	Female jumped in at Wroxham. Mental health issues	Jumped in
7/9	Female fell from boat at Reedham Quay	Fallen in
8/9	Female injured while sailing. Transferred to hospital	Injury
8/9	Male injured when fell on hire boat at Oulton Broad	Injury

<b>2019</b>	<b>Incident Details</b>	<b>Hazard Log Category</b>
15/9	Male fell in and injured while leaving moorings at Womack Dyke. Transferred to hospital	Embarkation/Disembarkation
24/9	Transferred to hospital following fall on boat	Injury
26/9	Female injured while boarding boat at Thurne	Embarkation/Disembarkation
28/9	Female injured after falling in while mooring at Ranworth	Embarkation/Disembarkation
9/10	Female injured disembarking dayboat at Reedham	Embarkation/Disembarkation
21/10	Female fell in while mooring at Reedham	Embarkation/Disembarkation
28/10	Child rescued after falling off vessel at Thorpe	Fallen in
13/11	Female pushed into river at Sutton staithe	Pushed in
29/11	Female jumped in river at Wroxham	Jumped in
1/12	Female jumped in river at Wroxham	Jumped in
31/1	Body of female found in river under Breydon Bridge	Fatality
17/3	Male injured on hire cruiser near Wayford Bridge	Injury

## Analysis of death/injuries since 1993

Death	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
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	2	1	5	1	2	1
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	5	4	2	1	2	2

Cause of death	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Severe injury	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	1	3	1	1	1
Drowning	0	1	2	1	0	4	5	1	3	3	5	0	4	3	0	0	0	1	3	2	0	5	3	0	0	3	2
Asphyxiation/CO poisoning	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Terminal Illness																			1	0	0	0	0	0	0	0	0
Not Known	0	2	4	0	2	0	0	1	0	0	2	0	3	0	1	0	1	2	2	0	0	1	0	2	1	0	0
Reports of people inadvertently entering in the water <sup>1</sup>	0	0	3	2	4	8	2	5	1	4	15	16	12	23	29	17	34	20	17	18	12	22	19	21	12	23	17
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	14	13	30	36	49	33

<sup>1</sup> 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

Nature of injuries	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Head	0	0	2	0	4	1	3	2	1	1	1	1	3	1	1	5	3	3	1	3	3		2	7	3	4	5
Arm/hand	0	0	2	1	6	0	0	1	3	1	1	1	0	1	6	4	1	4	4	2	4	1	0	3	4	6	7
Leg/foot	0	0	3	5	4	2	4	1	2	2	2	2	1	3	7	5	7	8	3	6	4	3	4	9	8	8	11
Torso, ribs, chest, back	0	0	1	0	2	0	1	4	1	1	2	0	1	4	3	0	2	4	2	0	2	2	2	1	5	8	2
Not described	0	0	1	1	0	0	0	0	0	0	10	2	1	4	0	0	8	10	2	2	5	1	4	6	12	13	8
Asphyxiated/C O poisoning	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	4	0
Burns/Scalds	0	0	0	1	1	4	1	1	0	2	1	0	0	1	1	0	1	2	1		1	2	0	0	0	0	0
Heart attack																			3	5	1	2	1	5	3	10	1

## Analysis of fire and explosions since 1993

Fire and explosions	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Number of incidents	2	4	7	2	5	4	6	3	4	2	2	0	2	22	8	4	4	3	3	1	1	1	0	2	2	5	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	3	0	1	2	5	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	0	0	1	0	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	0	0	0	0	0	0
Prime cause Petrol	0	2	2	0	1	1	1	0	0	1	0	0	0	1	2	0	0	0	2	1	0	1	0	0	0	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	0	0	1	0	1	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	2	0	1	2	3	1
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	0	0	0	1	2	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	0	0	0	0	1	0
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	0	0	0	0	0