

# Broads Authority

30 April 2021

Agenda item number 10

## Annual safety report 2020/21 and annual safety audit programme 2021/22

Report by Head of Safety Management

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### Purpose

To present the annual review of marine incidents 2020/21 and the annual safety audit programme for 2021/22.

### Broads Plan context

4.3: Implement, promote and monitor measures to maintain and improve safety and security for the navigation and boats.

### Recommendation

To note the content of the report.

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## 1. Annual marine incidents

1.1. Appendix 1 gives details of the main marine incidents reported during the period April 2020 to March 2021, including an analysis of deaths and personal injury since 1995.

When considering the large number of visitors to the Broads, especially during the Covid-19 pandemic when we have seen many new visitors, the analysis demonstrates 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 Rangers are briefing boat users on key safety messaging. However, during 2020/21 we saw an increase in deaths on or from boats, and an increase in persons entering the water.

1.3. Notable points are:

- 7 reported fatalities, 5 on or from boats, and 2 reported deaths not related to boating.
- 27 reported incidents of persons inadvertently entering the water, a 59% increase from the previous safety report. Where gender was reported, it was noted that there were more females than males entering the water.
- Boat fires continue to remain at a low level, as in previous years.

- 1.4. The number of members of the public inadvertently entering the water was the result of the capsizing of smaller vessels like kayaks and canoes. Again, the increase in entry level vessels has been attributed to the Covid-19 pandemic and the Government restrictions. The Authority is looking at actions and measures to address some of these issues, as well as reinforcing the message about wearing the correct safety equipment.
- 1.5. Due to the increase in new visitors to the Broads in 2020, and the number of fatalities and incidents involving persons entering the water, the Authority has developed and implemented a safety package for the 2021/22 season. This involves investing in five additional Rangers to increase the level of patrolling of the busy waterways and a package of animated safety videos targeted at visitors hiring boats, particularly to help those that are new to boating. The videos have been introduced with the support from the Broads Hire Boat Federation, British Marine, HM Coastguard, Broads Beat, RNLI, Royal Yachting Association and the Aweigh Application. The links to the videos will be sent by the Hire Boat Operators to their customers prior to their arrival and they will check that they have been viewed during the handover process. The online videos may be viewed at <https://www.broads-authority.gov.uk/boating/navigating-the-broads/boating-essentials>
- 1.6. A training event took place at Great Yarmouth Yacht Station on 17 March 2021 for hire boat staff who carry out the handovers, and 57 people attended from five boat yards. The training was led by the Ranger team with input and assistance from the Maritime and Coastguard Agency (MCA), Royal National Lifeboat Institution (RNLI) and Broads Beat. The training covered the main hazards in the more tidal areas, focusing on the key knowledge boaters need to be aware of. It also highlighted the role of the Ranger team, MCA and RNLI on Breydon Water. The RNLI and MCA also covered the water side responder course, which included use of a throwline. The feedback the Authority received from the attendees was excellent. There are plans to hold another course in early April, with a date to be confirmed.

## 2. Annual internal safety audit programme 2021/22

- 2.1. The Head of Safety Management has identified three internal safety audits, set out in Table 1 below, to be carried out in the coming year. This programme is to ensure that the Broads Authority's Safety Management Plan is working effectively, and to introduce changes deemed necessary to maintain and improve the current standards.

**Table 1**

Internal safety audit programme 2021/22

Internal audit	Aims and objectives
Lone Working	To determine if the current control measures identified in the generic risk assessment are suitable and sufficient.

Internal audit	Aims and objectives
Noise at Work	To determine what further control measures are required, to protect staff from excessive noise and implement a system of health surveillance for staff whose role exposes them to noise.
Generic Risk Assessments/Safe Systems of Work	Audit high-risk activities to determine that suitable and sufficient control measures are in place to help reduce the risk of accident/ incidents.

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Date of report: 09 April 2021

[Broads Plan](#) objective 4.3

Appendix 1 – Annual marine incident statistics

## Appendix 1 – Annual Marine Incident Statistics

The reporting periods are from the 1st April 2020 to March 2021. The report is limited to the Broads Authority's executive area for marine responsibility. Notable incidents are listed below.

**Table 1**

Summary of incidents reported.

2020	Incident details	Hazard log category
5/4	Elderly male fell from vessel at Potter Heigham	Embarkation/Disembarkation
11/4	Female jumped in at Wroxham. Mental health issues	Jumped in
13/5	Male rescued after capsizing sailing dinghy Oulton Broad	Fallen in
16/5	Male fell from boat at Loddon	Fallen in
19/5	Medical evacuation in Brundall. Hospitalised.	Medical
20/5	Female injured on sailing vessel on Hickling.	Injury
30/5	Rescued following capsized dinghy at Thurne	Fallen in
19/6	Male drowned in Wensum near Norwich Yacht Station	Fatality
24/6	Male injured following engine fire. Burns to legs	Fire/injury
27/6	Medical evacuation from vessel – cardiac.	Medical
30/6	Fire on vessel at Horning – minor burns	Fire/injury
4/7	Male rescued from water at Norwich Yacht Station	Fallen in
7/7	Male injured working on pontoon when hit by hire cruiser at Great Yarmouth	Injury
8/7	Male rescued from water at Great Yarmouth while mooring	Embarkation/Disembarkation
12/7	Medical evacuation from vessel at Malthouse Broad	Medical
12/7	Medical evacuation following fall on vessel at Thurne Dyke	Injury
13/7	Medical evacuation following fall from vessel at How Hill while mooring.	Embarkation/Disembarkation

<b>2020</b>	<b>Incident details</b>	<b>Hazard log category</b>
26/7	Female collapsed on vessel moored at Reedham Quay – medical evacuation	Medical
28/7	2 males rescued from water at Malthouse Broad following dinghy capsize	Fallen in
30/7	3 persons rescued from water at Norwich Yacht Station following canoe capsize	Fallen in
4/8	Medical evacuation following fall into water while mooring at St Benets	Embarkation/Disembarkation
8/8	Male rescued from water at Acle Bridge	Fallen in
10/8	6 persons rescued following dayboat sinking near Black Horse Broad	Fallen in
19/8	Female died following incident at Great Yarmouth – trapped under boat	Fatality
30/8	Female injured leg following fall at Ludham Bridge	Embarkation/Disembarkation
1/9	Male suffered head injury travelling under Ludham Bridge	Injury
1/9	Medical evacuation following fall down steps on hire cruiser on Breydon Water.	Injury
2/9	Female rescued from water at Great Yarmouth Yacht Station	Fallen in
2/9	Female injured leg jumping from vessel in boatyard	Embarkation/Disembarkation
6/9	Male drowned after falling from vessel at Loddon	Fatality
9/9	Female suffered leg injury while mooring at Thurne Dyke	Embarkation/Disembarkation
12/9	Female injured when falling from vessel at Barton Turf	Embarkation/Disembarkation
15/9	Male died from injuries after hit by propeller on River Bure near Yarmouth	Fatality
20/9	Male injured leg falling off vessel while mooring at St Benets	Embarkation/Disembarkation
24/9	Female injured leg while mooring at Ludham Bridge	Embarkation/Disembarkation

<b>2020</b>	<b>Incident details</b>	<b>Hazard log category</b>
24/9	2 persons injured on boat when hit by another boat at How Hill	Injury
27/9	Female injured leg while mooring at Berney	Injury
27/9	Male injured leg falling on boat at Stokesby	Injury
27/9	Male rescued from water after falling from boat at Stokesby	Fallen in
10/10	Female injured falling down steps on vessel at Horning	Injury
10/10	Female rescued from water while mooring at Boundary Farm	Fallen in
14/10	Medical evacuation from vessel – male with breathing difficulties	Medical
23/10	2 males and dog rescued from water following dinghy capsize at Rockland	Fallen in
4/11	Female rescued from river near Thorpe St Andrew after entering water after dog	Jumped in
16/11	Vulnerable female rescued from water at Wroxham	Jumped in
21/11	Vulnerable female rescued from water at Wroxham	Jumped in
5/12	Fatality on board vessel moored at Acle Bridge - suspected suicide	Fatality
20/2	Body found in water at Bells Boatyard, Brundall – suspected suicide	Fatality
24/2	Medical evacuation from vessel at Horning	Medical

## Analysis of death/injuries since 1995

Death	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	2020
No of deaths on or from boats	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	5
Reported deaths not related to boating	4	-	2	1	4	4	2	3	1	0	7	2	1	1	3	3	3	8	2	5	4	2	1	2	2	2

Cause of death	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	2020
Severe injury	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	2
Heart Attack	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	0
Drowning	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	3
Asphyxiation/C O poisoning	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	0
Terminal Illness																	1	0	0	0	0	0	0	0	0	0
Not Known	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	1
Reports of people inadvertently entering in the water <sup>1</sup>	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	27
No of persons reported as requiring hospital treatment	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	35

<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	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	2020
Head	2	0	4	1	3	2	1	1	1	1	3	1	1	5	3	3	1	3	3		2	7	3	4	5	3
Arm/hand	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	5
Leg/foot	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	9
Torso, ribs, chest, back	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	2
Not described	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	10
Asphyxiated/CO poisoning	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	0
Burns/Scalds	0	1	1	4	1	1	0	2	1	0	0	1	1	0	1	2	1		1	2	0	0	0	0	0	2
Heart attack																	3	5	1	2	1	5	3	10	0	4



## Analysis of fire and explosions since 1995

Fire and explosions	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	2020
Number of incidents	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	2
Vessels involved (Private)	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	2
Vessels involved (Hire)	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	0
Prime cause LPG	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	0
Prime cause Petrol	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	0
Prime cause Electrical	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	0
Prime cause Other	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	2
No of vessels total loss	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	0
No of injuries from fires requiring hospital treatment	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	2
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