



Analysis of Significant Incidents Reported in 2017

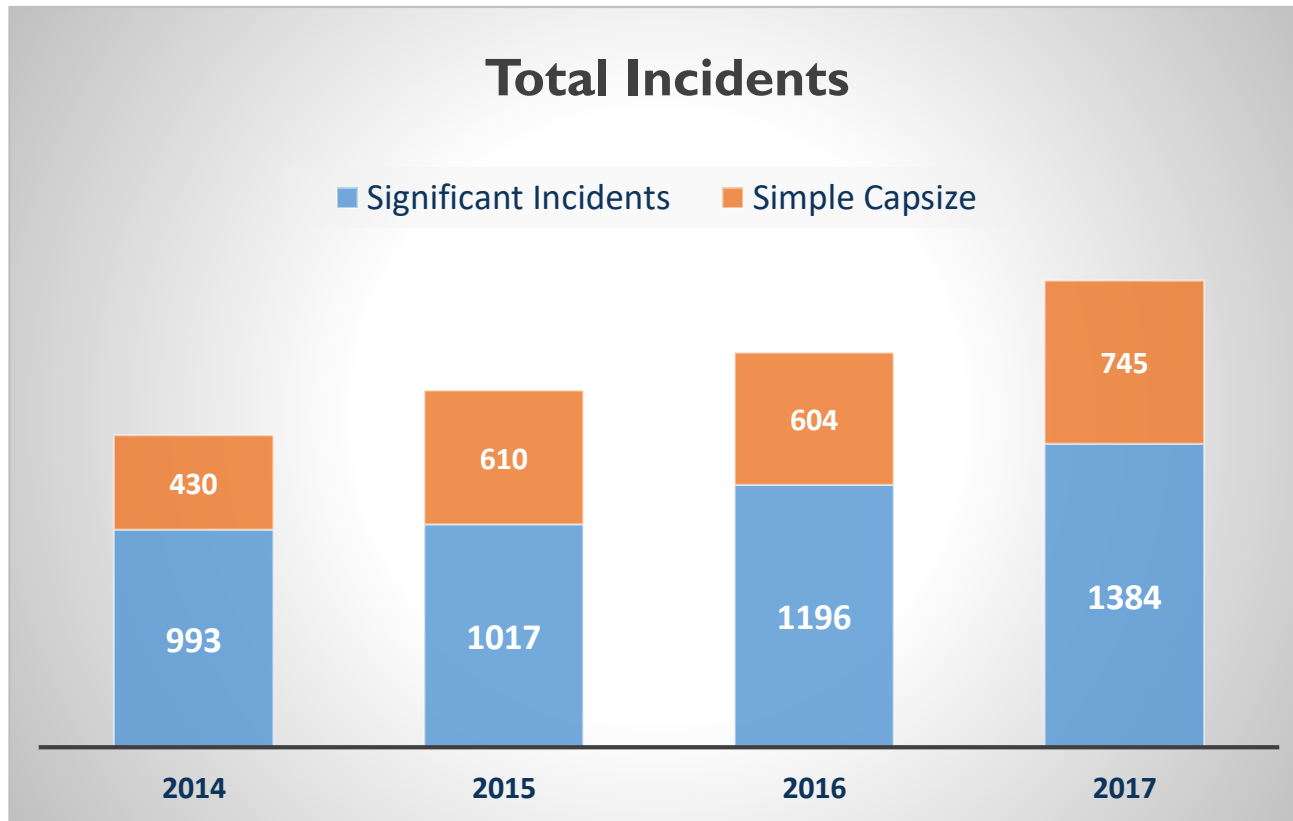
Andrea & Stephen Worley

February 2018



All incidents

All incidents



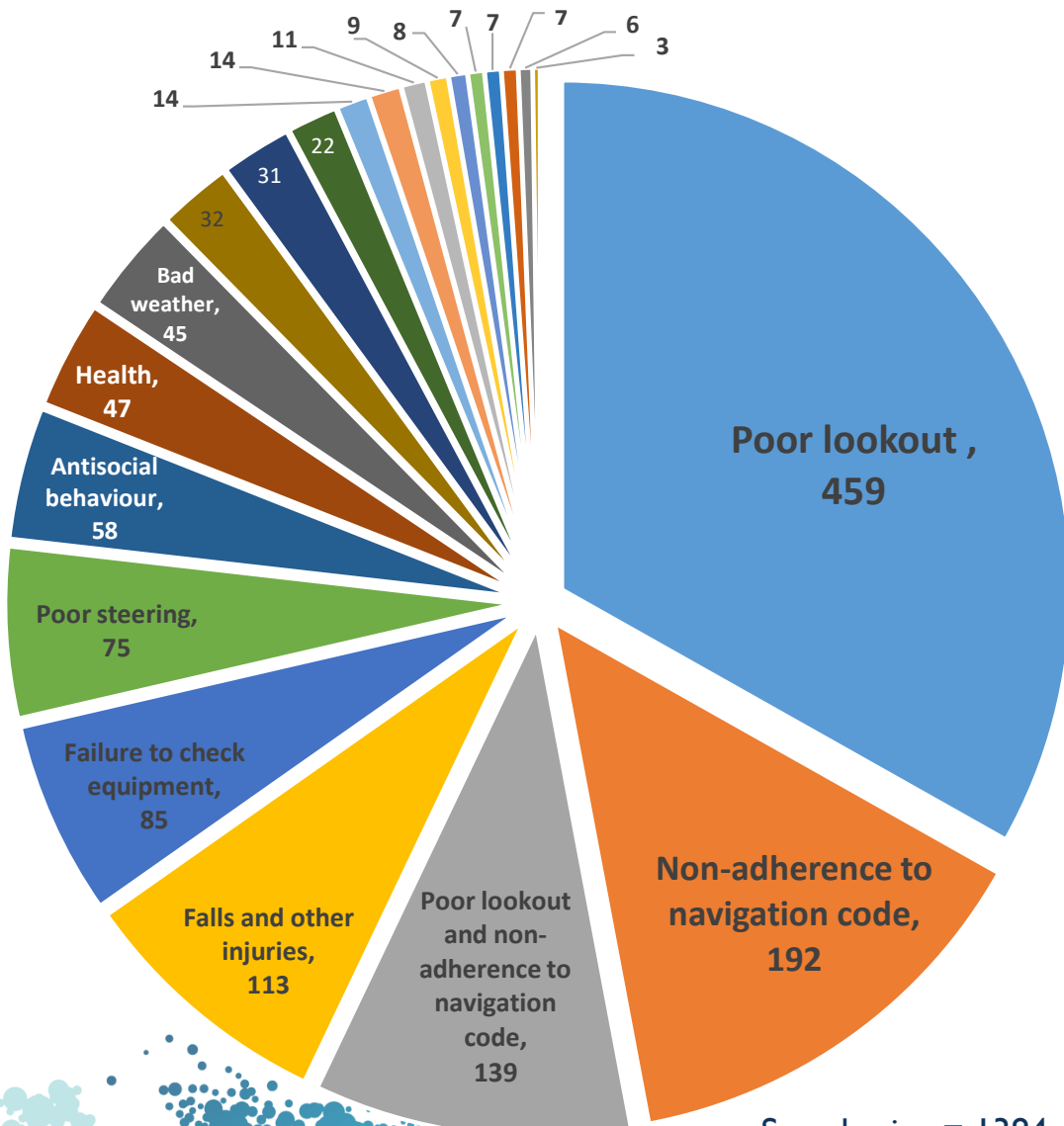
Significant accidents = all except simple capsizes (most result in collisions or near collisions)

All significant incidents

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Analysis of Significant rowing incidents by cause - 2017

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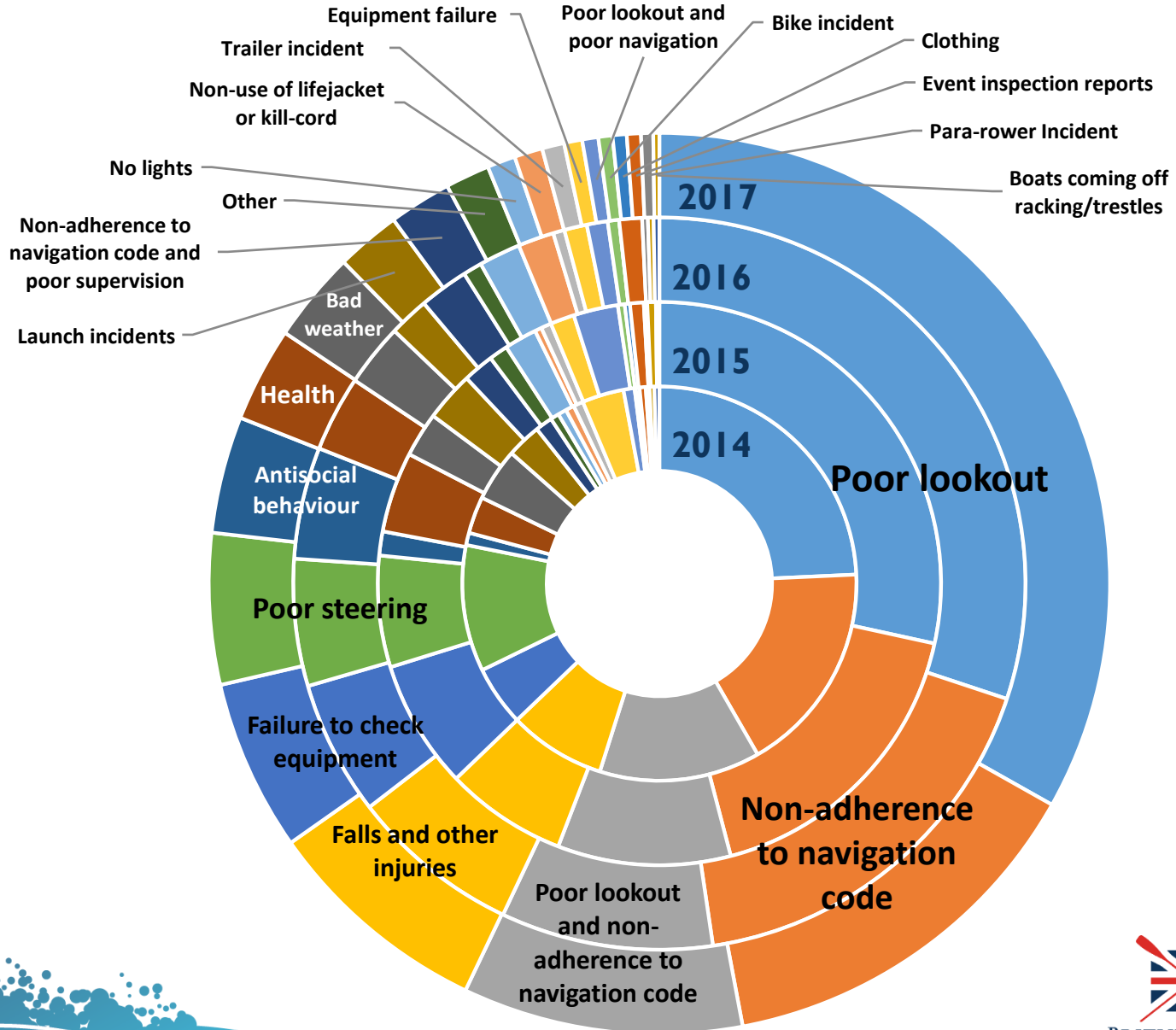


- Poor lookout
- Non-adherence to navigation code
- Poor lookout and non-adherence to navigation code
- Falls and other injuries
- Failure to check equipment
- Poor steering
- Antisocial behaviour
- Health
- Bad weather
- Launch incidents
- Non-adherence to navigation code and poor supervision
- Other
- No lights
- Non-use of lifejacket or kill-cord
- Trailer incident
- Equipment failure
- Poor lookout and poor navigation
- Bike incident
- Clothing
- Event inspection reports
- Para-rower Incident
- Boats coming off racking/trestles

Sample size = 1384



Comparison with previous years



Significant Incidents by cause	2014	2015	2016	2017
	No.	No.	No.	No.
Poor lookout	241	289	360	459
Non-adherence to navigation code	173	178	210	192
Poor lookout and non-adherence to navigation code	131	101	112	139
Falls and other injuries	79	71	90	113
Failure to check equipment	49	75	71	85
Poor steering	103	65	67	75
Antisocial behaviour	10	14	59	58
Health	30	47	40	47
Going out in bad weather	43	26	33	45
Launch incidents	28	29	21	32
Non-adherence to navigation code and poor supervision	14	18	26	31
Other	7	11	10	22
No lights	7	19	22	14
Non-use of lifejacket or kill-cord	7	4	19	14
Trailer incident	8	6	6	11
Equipment failure	34	14	12	9
Poor lookout and poor navigation	9	26	11	8
Bike incident	1	4	6	7
Clothing	3	3	0	7
Event inspection reports	5	8	12	7
Para-rower Incident	3	2	3	6
Boats coming off racking/trestles	4	5	3	3
Lack of planning and adherence to plan	4	2	3	
Total Significant Incidents	993	1017	1196	1384

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Red = Cause is Behaviour related

But some of the others can also be related to Behaviour

Behaviour

In the last 4 years over 55% of incidents could have been avoided by:

- Keeping a good lookout
- Adhering to the navigation plan

2014	2015	2016	2017
55%	56%	57%	57%

and over 92% could have been avoided by safer behaviour.

2014	2015	2016	2017
92%	92%	94%	94%

The most common behaviour related causes are still:

- Not keeping a good lookout on land as well as on the water
- Not adhering to the navigation plan
- Failing to check equipment
- Poor steering
- Antisocial behaviour

Antisocial Behaviour

Antisocial behaviour	No. of Incidents
Excessive Wash	24
Motor boats – reckless or dangerous driving	12
Verbal Abuse	11
Throwing stones and other missiles	6
Excessive noise	3
Shoes thrown in river	1
Drawing pins on tow path	1
Total	58

Near misses

In 2017, the number of near misses (reports of unsafe behaviour which did not result in contact or harm) fell to 180.

2014	2015	2016	2017
155 (16%)	174 (17%)	272 (23%)	180 (13%)

These reports include:

- near collisions
- not wearing a lifejacket or not using a kill-cord
- excessive noise
- verbal abuse
- creating excessive wash
- event inspections
- poor lookout
- not adhering to navigation code
- poor steering

Normalising the data

It is impossible to normalise the data as there is no measure of the level of activity in each year.

- Significant incidents reported - up 15.7%
- Total BR membership – down 1.7%
- Gold BR membership – down 0.5%
- Number of No Harm and No Damage incidents continues to increase

The increase in the number of incidents reported may be due to an increase in:

- the number of incidents that occurred
- familiarity with the Incident Reporting system
- willingness to report incidents

It is hoped that the number of reports has risen because people are more willing to report incidents.

Harm resulting from Incidents

Harm caused to People

Harm caused to people	2014	2015	2016	2017
No harm	821	823	989	1131
Minor injuries such as cuts and bruises	75	82	104	124
Significant injuries - few days off rowing	64	60	57	61
Serious injuries - week or more off rowing inc. concussion & broken bones	33	51	42	67
Fatalities		1	4	1
Total	993	1017	1196	1384

On average, every week there is:

- One significant injury resulting in a few days off rowing and
- One serious injury resulting in more than one week off rowing

The fatalities in 2016 and 2017 were all tragic health related incidents.

Damage caused to Property

Damage caused to property	2014	2015	2016	2017
No damage	691	754	830	928
Repairs costing less than £100	119	89	86	143
Repairs costing between £100 & £1000	114	124	233	277
Repairs costing over £1000	63	42	40	33
Loss of boat	6	7	6	3
Total	993	1017	1196	1384

Total cost in the region of:

£290,000 in 2014

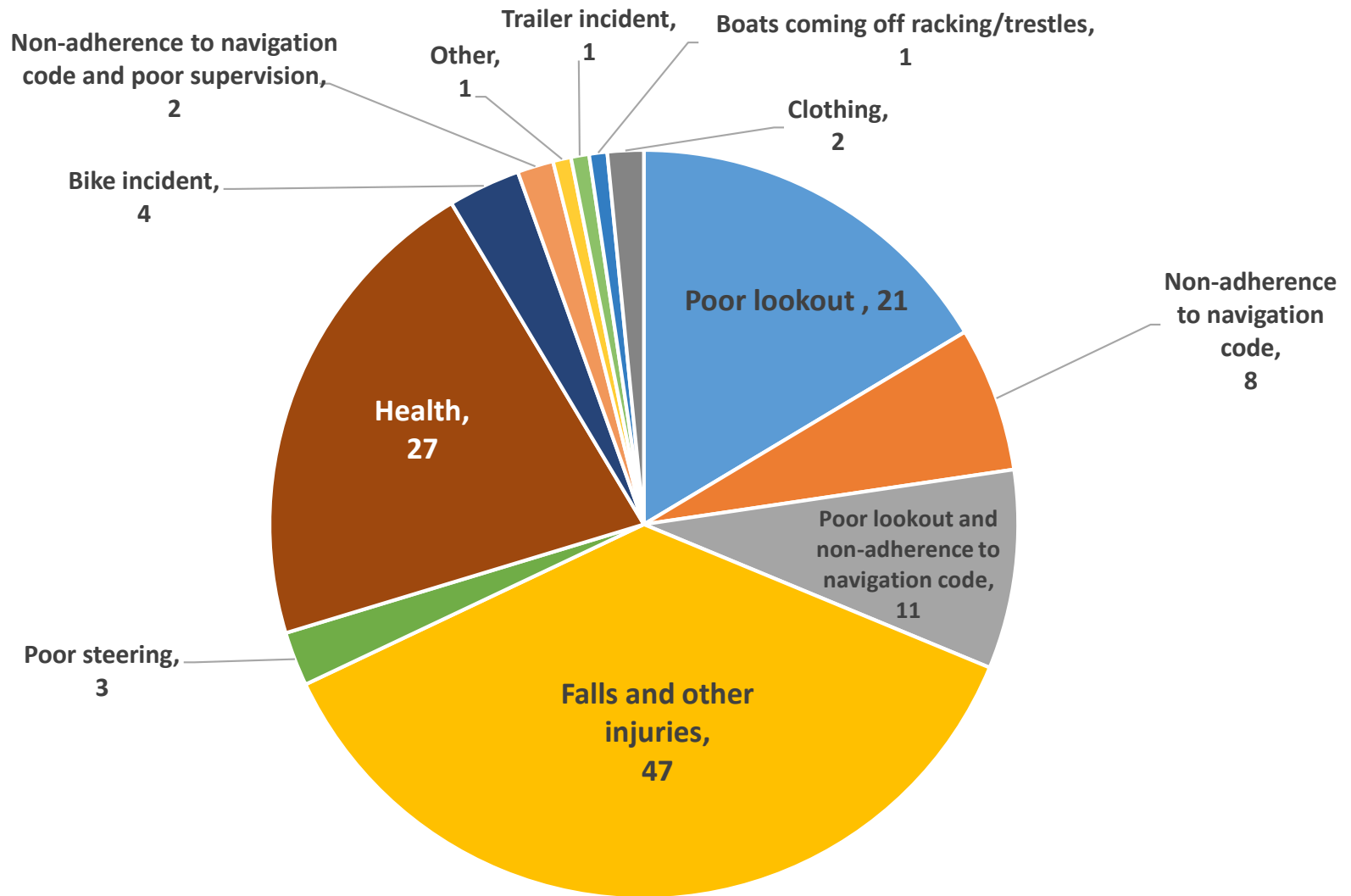
£230,000 in 2015

£270,000 in 2016

£225,000 in 2017

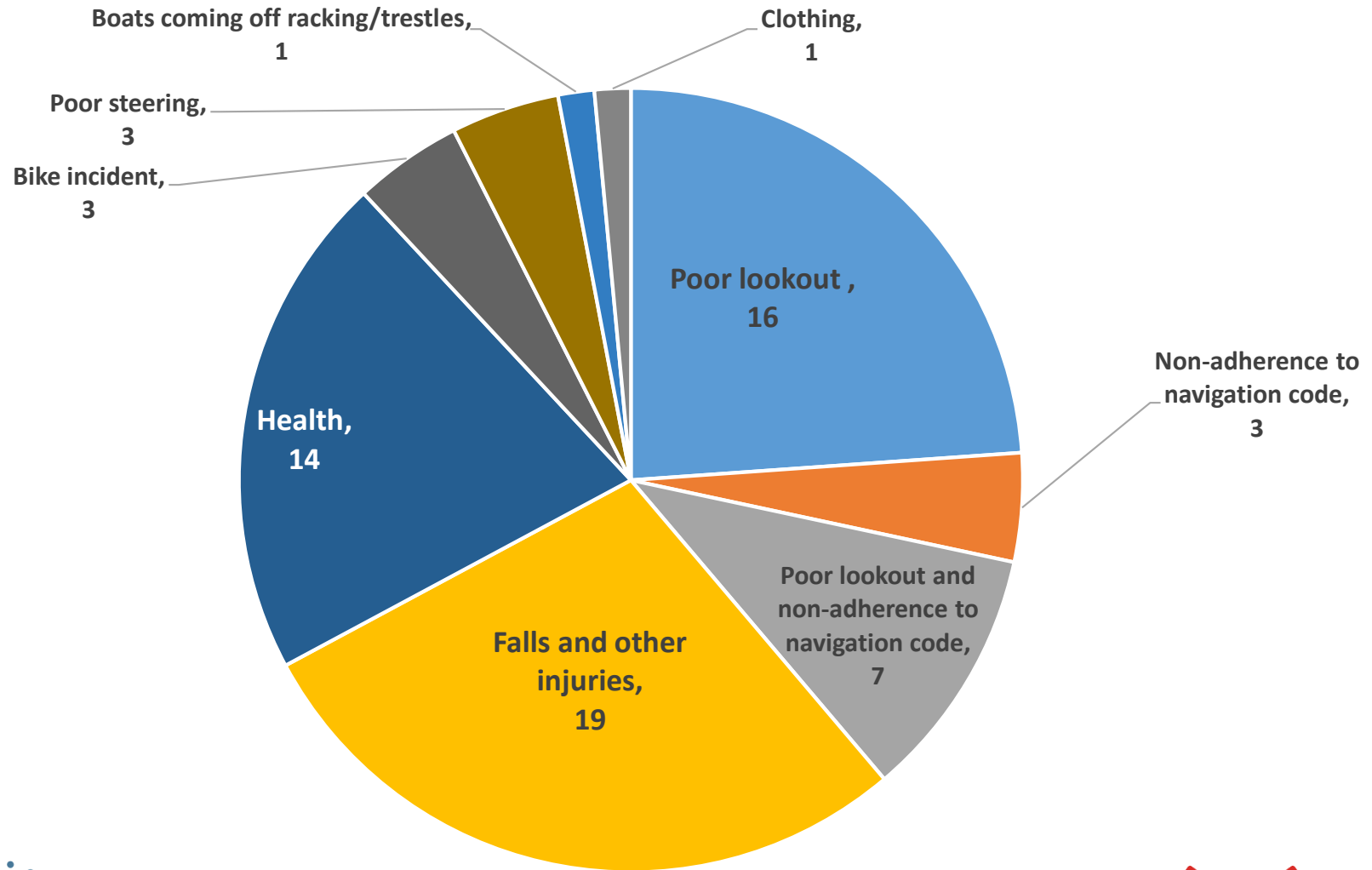
In 2017 there was, on average, around £4,400 of damage to boats and equipment each week (£ 5,200 in 2016).

Causes of 2017 Incidents resulting in any time off rowing



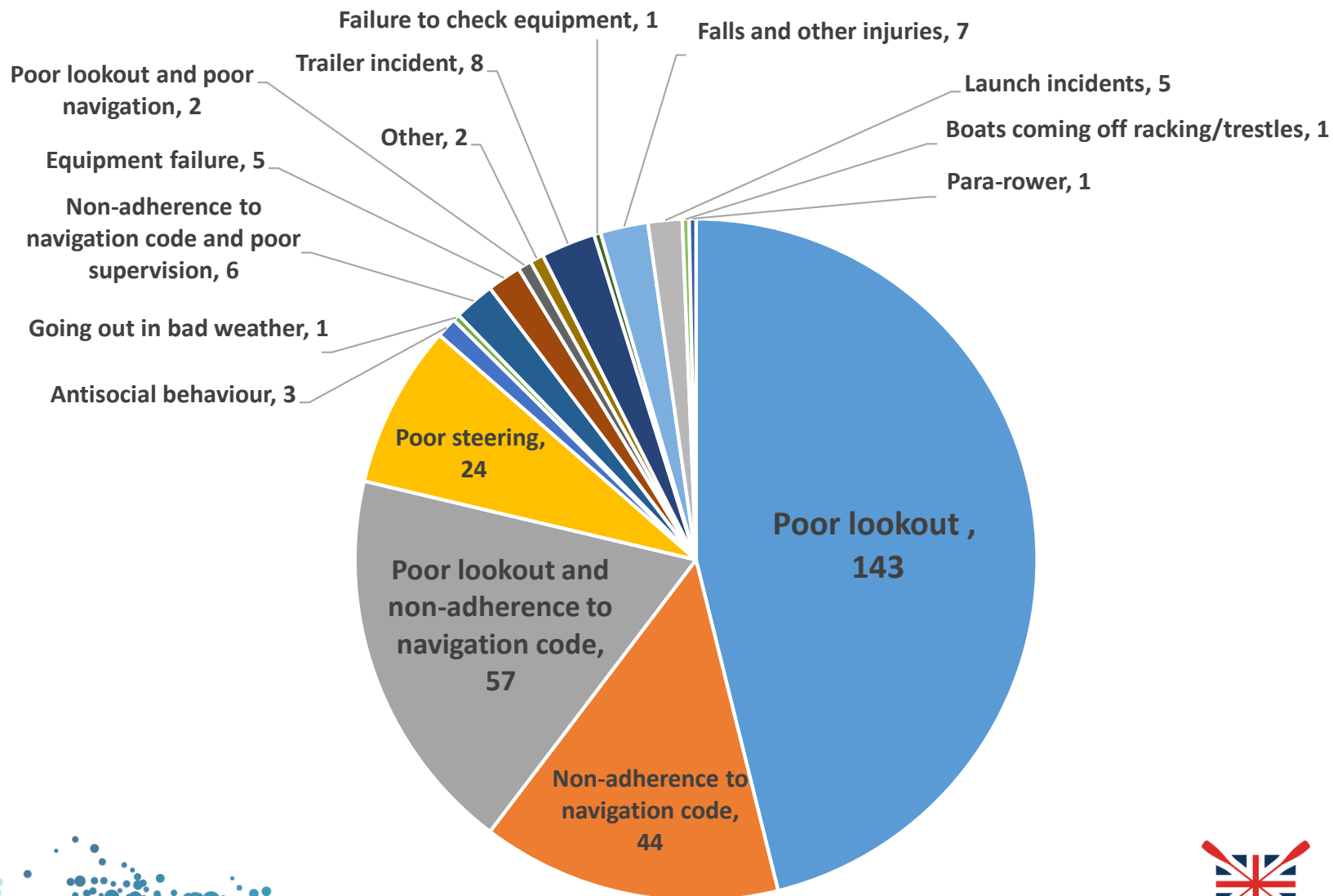
Number of Incidents = 128
Does not include fatality

Causes of 2017 Incidents resulting in one week or more off rowing



Number of Incidents = 67
Does not include fatality

Causes of 2017 Incidents resulting in more than £1000 damage

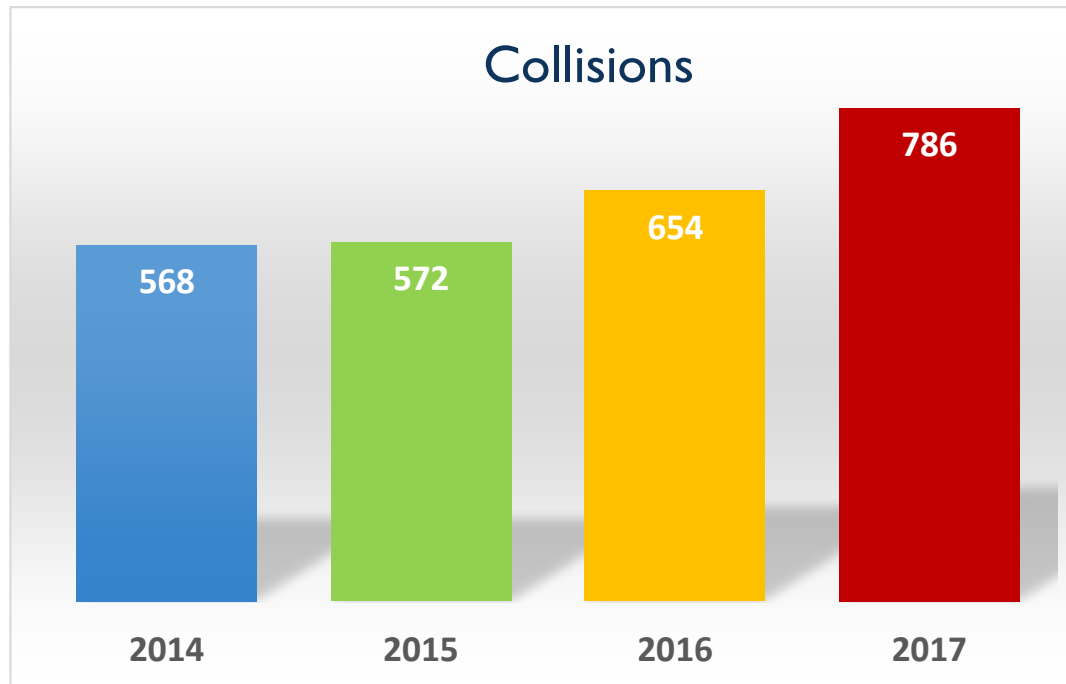


Number of Incidents = 310

Collisions



Collisions



What were the Collisions with?

Other rowing boats	486	Moored boats	23
Other moving boats	39	Bank	19
Buoys/moorings	38	Submerged objects	18
Trees/bushes	34	Rowing launches	13
Grounding	27	Bridges	10

Collisions - injuries

337 of the 786 collisions in 2017 resulted in no harm to people or property,

29 resulted in injuries requiring one week or more off rowing and in some cases off work. The injuries included concussion, broken bones, severe bruising, and muscular and skeletal trauma.

Harm to People caused by Collisions	Number
No harm	686
Minor injuries such as cuts and bruises	55
Significant injuries - few days off rowing	16
Serious injuries - week or more off rowing including concussion & broken bones	29 (see note)
Total Collisions	786

Note: 25 of these 29 collisions were between rowing boats

Collisions - boat damage

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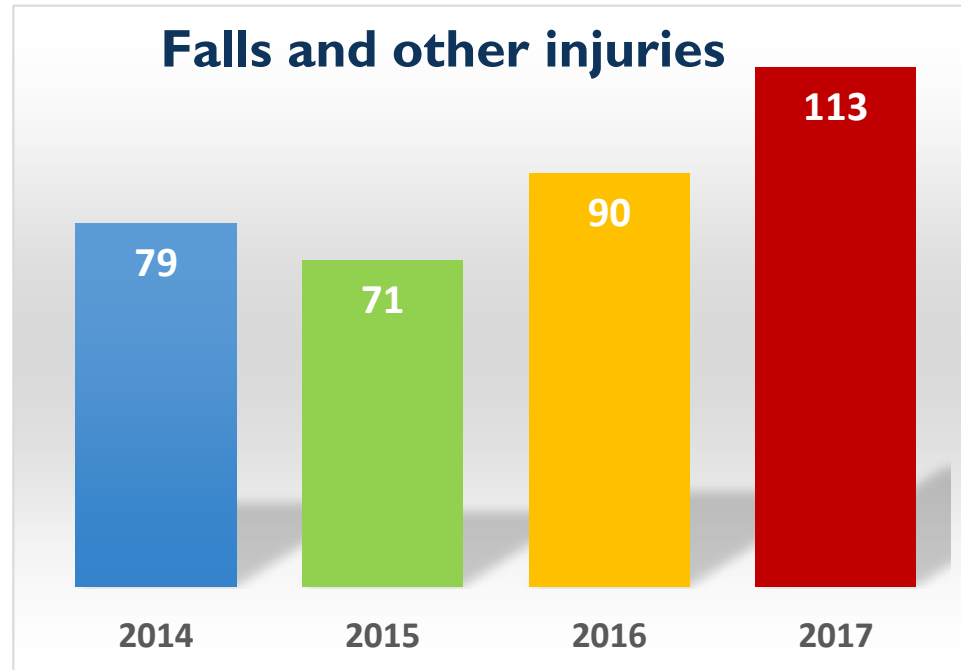
The total number of incidents resulting in damage of more than £1000 was 33, of these 31 were collisions. The total cost of damage resulting from Collisions was over £200,000.

Damage to Property caused by Collisions	Number
No damage	385
Repairs costing less than £100	123
Repairs costing between £100 & £1000	245
Repairs costing over £1000	31 (see note)
Loss of boat	2
Total Collisions	786

Note: 19 of the 31 incidents were with other rowing boats, 5 with other moving boats and 2 with bridges.

Falls and other injuries

Falls and other injuries

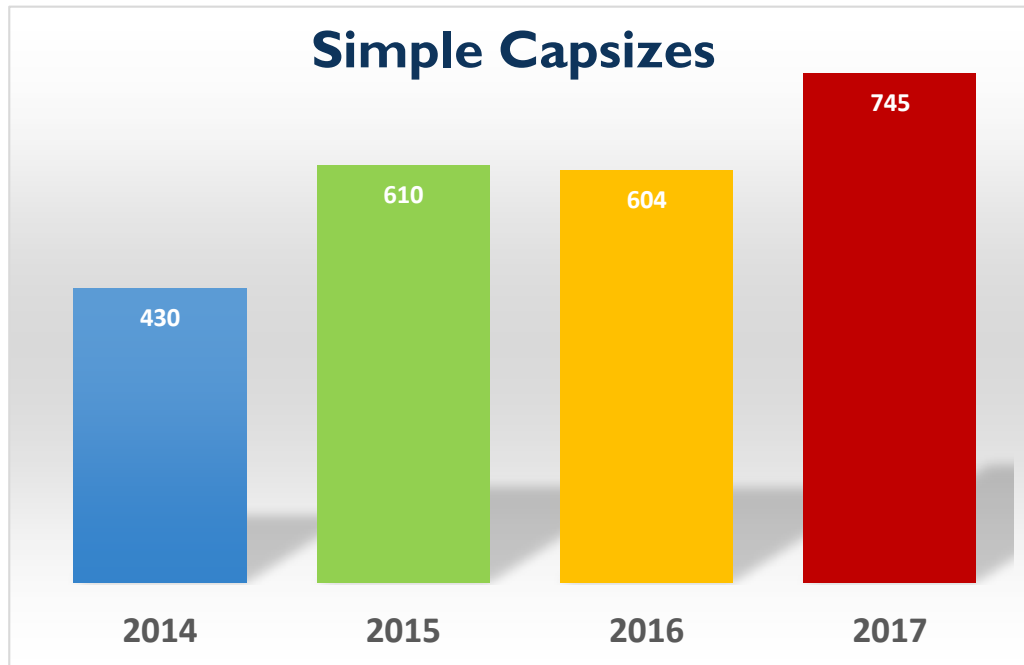


Of the 113 incidents in 2017:

- 22 incidents occurred at the landing stage or pontoon
- 8 occurred during land training
- 8 occurred whilst handling boats on land

Simple Capsizes

Simple Capsizes



Of these:-

- 50 (7%) involved drills
- 47 (6%) occurred because a sculler let go of the blades
- 35 (5%) occurred when getting into or out of the boat, or arriving at or leaving the landing area
- 32 (4%) occurred when turning the boat

If you have any questions or would like more information,
please contact Andrea and Stephen Worley at:

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or phone 07775 897084