

**Navigation Charges 2014/15**  
Report by Chief Executive and Collector of Tolls

**Summary:** An overall increase of 2.8% for Navigation Income is proposed. Four options for the apportionment of navigation charges in 2014/15 are put forward for consideration: two alternatives submitted by the Norfolk and Suffolk Boating Association and the Broads Hire Boat Federation; a flat rate increase and a flat rate increase combined with a reduction in the hire boat multiplier.

The Chairman of the Navigation Committee has asked the Committee to reconsider its recommendation to the Authority in the light of the revised proposal from the Norfolk and Suffolk Boating Association and the Broads Hire Boat Federation. The result of this Special meeting of the Committee, which will be held at 9:00am on 22 November 2013, will be reported on the day.

**Recommendations:**

- (i) That navigation charges for 2014/15 be raised to increase navigation income by 2.8% to approximately £2.92 million in order to make appropriate financial provision for the maintenance of the Authority's assets, and in particular the network of free 24 hour moorings.
- (ii) That consideration is given to the four options for the apportionment of navigation charges set out in this report and their relationship to the Guiding Principles and Criteria set out in Appendix 1, to determine the navigation charges to be applied for 2014/15.

**1 Overall Financial Position**

- 1.1 The Navigation Committee on 24 October 2013 considered a report showing the position on income and expenditure. The current figures are shown in agenda item 11. Compared with budget, overall the position has improved and the gap between the forecast level of reserves and the recommended figure of 10% of expenditure has narrowed.
- 1.2 The Committee was also presented with a report on the Authority's draft Asset Management Plan, which has been developed in detail for navigation assets over the last year in line with the District Auditor's recommendations. Work on the countryside and conservation assets is still ongoing, and will be reported to the next meeting. The analysis took account of the research work at Breydon Water undertaken by JBA Consulting, which confirmed that previous assumptions for works required to Turn Tide Jetty were overestimated, and the modelling recommended a more minimal replacement approach and also the dredging requirement was modified. Therefore, it was suggested and

supported by the Navigation Committee that the separate budget line for Breydon Water be removed from future budgets and the works can be covered by a marginal increase to the budgets for dredging/ other navigation works as required. Overall the review of navigation assets has demonstrated that the Authority has a number of ongoing liabilities, some of them quite considerable, for example the maintenance of the network of free 24 hour moorings.

- 1.3 If the Authority was to make immediate provision for all the identified contributions following from the asset report to navigation reserves to support a managed programme of asset maintenance and replacement and restore the navigation reserve to 10% of net expenditure, assuming no changes to boat numbers then a 12% increase in navigation charges would be required. It was recognised that this wasn't feasible or appropriate and therefore two options were presented to the Navigation Committee, a 1.4% increase in income which would cover the existing agreed contributions to reserves and a 2.8% increase which would allow for an enhanced annual maintenance programme for the replacement and renewal of piling and start to address to the issues raised by the Asset Plan.
- 1.4 The figure of 2.8% was selected on the basis that it is in line with the CPI figure used by the Environment Agency and the Canals and Rivers Trust who are raising their charges by 2.8% and 4.8% (CPI +2%) respectively.
- 1.5 The Navigation Committee debated the options of a 1.4% and 2.8% increase in income and has recommended the latter by 6 votes to 3 with 2 abstentions.

## **2. Review of the impact of last year's decisions**

- 2.1 Last year the Authority raised navigation charges with the aim of increasing income by approximately 3% to £2,851,000. In line with the recommendations of the Tolls Working Group and the recommendations of the Navigation Committee, the costs for the smaller boats were reduced and those for the larger vessels increased. This was to respond to feedback from toll payers and the Working Group that the costs for a small motor boat were relatively high compared to other boats on the Broads and charges elsewhere. The cost for a small motor boat of 5 metres<sup>2</sup> therefore fell from £97.44 to £90.00. This became the starting point for the calculation of the higher rates. At the Tolls Working Group it had been argued that the Authority should look to reduce this starting threshold even further, but the impact of this on larger craft had been considered to be too great.
- 2.2 As a result of this decision just over half of the boats on the Broads saw their toll remain static or decrease while the charges for the larger boats went up above inflation. Out of 11,200 private boats only 85 saw a toll increase of more than 8% and the very largest motor boat of 86 metres<sup>2</sup> had a rise of 9.76%.
- 2.3 For the hire boat companies (with 15 or more craft), because of the fixed link to the charges for private craft and the size of the boats involved, 12 yards saw their costs rise below inflation and 15 above inflation. The largest net increase for a boatyard was 5.6%.

- 2.4 Boat numbers are down slightly compared to the same period last year with the total number of boats as of 30 September 2013 being 1.5% down and total income for the current financial year is projected as £2,829,000 (99.2%). When a detailed breakdown of the numbers of motor boats by size group by year is considered, small motor boats paying a toll have declined (by nearly 20%), while the number of larger boats has increased (See Table 1 for the numbers of private motor boats by size). This matches the anecdotal information from marinas that there is strong demand for moorings for the larger motor boats because the Broads is seen as a relatively cheap location.
- 2.5 The reasons for the on-going decline in the number of small motor boats are not clear but it has been suggested that it is more to do with the current economic circumstances than the level of tolls though for smaller boats navigation charges are a larger proportion of the total costs of ownership and maintenance and are therefore likely to be more of a factor in a decision to keep a boat on the Broads. The proposed detailed survey of boat owners, supported at the last meeting, may help in our understanding of the factors that influence boat ownership and provide evidence about the influence of navigation charges.

**Table 1 Numbers of Private Motor Boats by Size**

Size m <sup>2</sup>	2008/ 2009	2009/ 2010	2010/ 2011	2011/ 2012	2012/ 2013	Change 2008/9 to 2012/13	%Change 2008/9 to 2012/13
1-10	2292	2130	1930	1940	1866	<b>-426</b>	<b>-19%</b>
11-20	1795	1923	1956	1991	1958	+163	+9%
21-30	1427	1487	1529	1566	1603	+176	+12%
31-40	736	765	800	814	819	+83	+11%
41-50	283	294	289	296	304	+21	+7%
51-60	39	46	44	51	60	+21	+54%

- 2.6 When looking at the impact of last year's changes, figures for this year are only available to September so a comparison with the same date last year is made in Table 2. This shows that even with the reduction in charges for small boats and the increases for bigger boats there is a continuing decline in the number of small boats and a rise in larger boats.

**Table 2 Private Motor Boat numbers April- September 2012 and 2013 compared**

Size of Private Motor Boats m <sup>2</sup>	2012/13 (Sept.)	2013/14 (Sept.)	Change	% Change
1-10	1802	1762	<b>-40</b>	<b>-2.2%</b>
11-20	1933	1910	<b>-23</b>	<b>-1.2%</b>
21-30	1579	1580	+1	0.1%
31-40	817	835	+18	2.2%

41-50	306	307	+1	0.3%
51-60	57	61	+4	7.0%

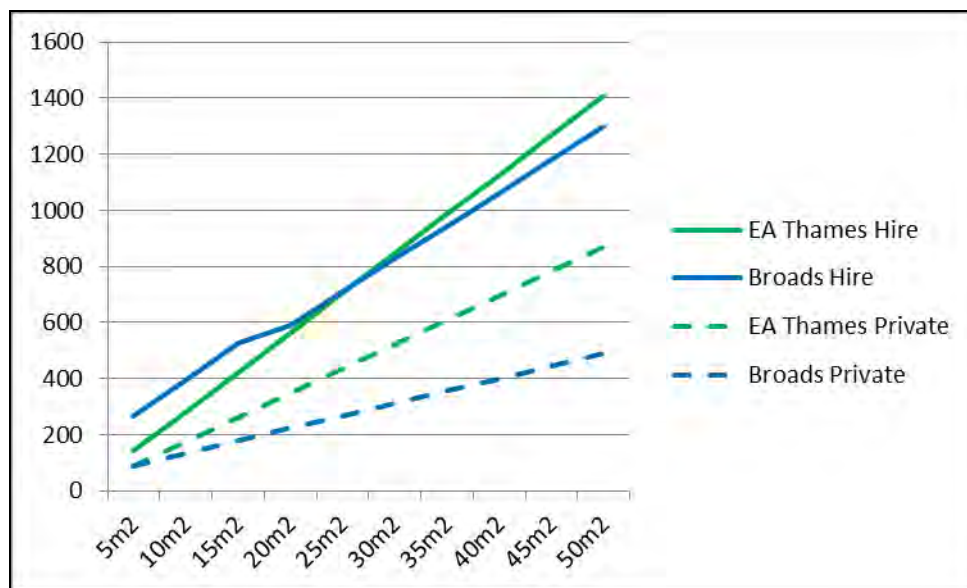
2.7 Table 3 shows that despite the introduction of 19 new boats, overall the number of hired motor boats fell by 22.

**Table 3 Hire Boat Numbers 2012-13**

Vessels over 21 feet (Cruisers)	2012	Additions	Reductions	2013
	<b>908</b>			
New Boats		+19		
Other Additions		+5		
Registration Suspended			-21	
Not in Use			-6	
Sold - Private			-19	
				<b>886</b>

### 3 The Overall Approach

3.1 Various tolls reviews since 1998 have sought to balance the maintenance needs of the navigation area with the ability to pay by boat owners. They have taken account of the approach adopted by other navigation authorities to the respective charges for different sized craft as between private and hire. There are some significant differences, as illustrated by the following graph, when the charges in the Broads are compared with those for the Thames.



**Figure 1 Comparison of Motor Boat Charges for 2013**

- 3.2 Although the Authority is required to review the level of charges every year it has tried to take a strategic approach to the long term positioning of tolls following the advice of various tolls reviews with key stakeholders. In particular the Authority has pursued a policy of:
- (i) reducing or holding the charges stable for smaller craft whose fees are high compared to other waterways; and,
  - (ii) reducing the premium paid by the hire boat industry.
- 3.3 This approach seems to be supported by toll payers and there will need to be a clear rationale and evidence for moving away from it. The evidence from comparative costs with other waterways and the trends shown in Tables 1 and 2 on the changes in boat numbers by size suggest the existing policy should be retained.
- 3.4 The 2005 tolls working group recommended that the multiplier for hire motor and sailing cruisers be reduced from x3 to x2.7 over three years, then reviewed in Year 3 to decide whether it should be reduced further to x2.5 by Year 5, remain at x2.7 or return to x3. This reduction did not apply to day hire boats or passenger vessels, for which the multiplier remained at x3. In April 2009 'entry level' tolls were reduced for the smallest sailing craft of 10 metres<sup>2</sup> and less and for motor boats of 5 metres<sup>2</sup> and less and the multiplier was held at 2.7.
- 3.5 Last year the multipliers were reduced to 2.65 and 2.95 for weekly hired and passenger boats respectively and the Authority resolved that further consideration be given as to whether the Authority should review the multiplier on an annual basis and how it might move towards a more flexible system for dealing with the charges for the commercial sector.
- 3.6 A set of 'Guiding Principles and Criteria' for tolls have also been adopted by the Authority and are reproduced in Appendix 1 for reference.

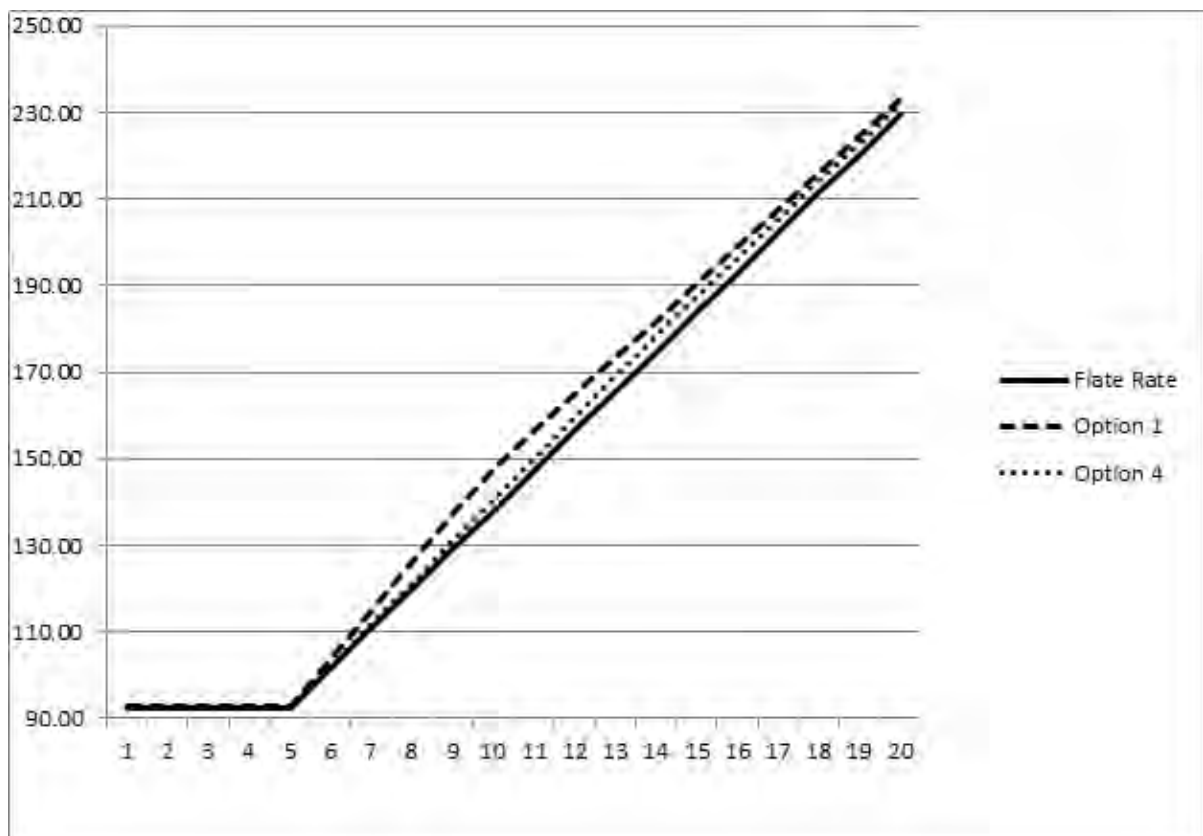
#### **4 Consideration of the Proposals**

- 4.1 In response to the invitation from the Broads Authority's Chairman to consider the impact of tolls on the two fleets, private and hire, the Norfolk and Suffolk Boating Association (NSBA) and the Broads Hire Boat Federation (BHBF) developed a proposal to change the structure of the tolls which was presented to the Navigation Committee on 5 September 2013.
- 4.2 The proposal involves:
- (i) Maintaining the reduction for small craft with a block area of 5 m<sup>2</sup> and less, then applying an accelerated rise for craft between 6 and 10 m<sup>2</sup> with a reduced per m<sup>2</sup> rise for craft over 10 m<sup>2</sup>.
  - (ii) A reduction in the multiplier for weekly hire boats from 2.65 to 2.64.
- 4.3 At its meeting on 24 October 2013 the Committee considered 3 options, the NSBA/BHBF proposal (Option 1), a flat rate increase (Option 2) and a flat rate increase combined with a reduction in the hire boat multiplier (Option 3). By 7 votes to 4 the Committee agreed to recommend Option 1, the proposal developed by the NSBA and BHBF.

4.4 On 31 October 2013 a revised proposal (Option 4) was sent to the Authority by the NSBA and BHBF and discussed with officers on 1 November 2013. Compared to the first proposal the revised submission:

- (i) reduces the shift in contribution from hire to private fleets from £15,000 to £9,900;
- (ii) reduces the overall level of income by £3,200;
- (iii) moderates the impact on smaller craft by spreading the accelerated rise for smaller craft so that it is distributed more widely as illustrated in the following graph.

**Impact of Options 1 and 4 compared to a flat rate increase for smaller craft**



4.5 While the four options do not look substantially different in terms of the financial impact on individual toll-payers, the underlying principles and approaches behind these options are different in important ways.

**5 Evaluation of Options**

5.1 The main advantages and disadvantages of the four options are set out below together with the impact of the different options on private boats and an evaluation against the seven Guiding Principles for Broads Tolls adopted by the Authority last year.

Table 4 Impact of the Four Options on Private Boat Owners

Number of Private	NSBA/BHBF Option 1	Flat Rate Increase of	Flat Rate + Multiplier	NSBA/BHBF Option 4
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<b>Boats</b>		<b>2.8%</b>	<b>Change</b>	
<b>Reduction</b>	126 Boats 48m <sup>2</sup> & over	0	0	0
<b>0-2.8%</b>	1,947	11,089	0	1,263 Boats over 30m <sup>2</sup>
<b>&gt;2.8% to &lt;4%</b>	4,525	0	11,089	6,570
<b>4% to &lt;8%</b>	3,323	0	0	3,256 Boats 8-19m <sup>2</sup>
<b>8%+</b>	1,168 Boats 9-12m <sup>2</sup>	0	0	0

**Table 5 Advantages and Disadvantages of the Four Options**

	<b>NSBA/BHBF Options 1 and 4</b>	<b>Flat Rate Increase Option 2</b>	<b>Flat Rate plus Multiplier Change – Option 3</b>
<b>Advantages</b>	Responds to the concerns of the Hire Boat Industry through reduced increases	All boats have the same percentage increase	Responds to the concerns of the Hire Boat Industry through reduced increases
	Reduces the costs for the larger private and hire boats	Relatively uncontroversial – has been done before	Flat rate increases for all private craft so smaller boats whose numbers have declined have the same % increase as larger craft
	Result of consultation with BHBF members and NSBA officers	Retains the underlying principles for the tolls structure and allows time for a wider consultation exercise	Retains the underlying principles for the tolls structure and allows time for a wider consultation exercise
<b>Disadvantages</b>	Boats between 6 and 24m <sup>2</sup> would see higher percentage increases than average and higher than their larger counterparts	Doesn't respond to the concerns of the hire boat industry in the short term	Makes further changes to the multiplier on a similar basis as before without full evidence
	Changes the 2009 and 2013 principle of smaller boats paying a reduced toll	Does not respond to the work behind the BHBF and NSBA proposals	Does not completely respond to the work behind the BHBF and NSBA proposals

5.2 These tables identify some key questions for the Authority to consider:

- (i) With the reductions in the number of smaller boats highlighted in Tables 1 and 2 what is the evidence that would justify an above average increase for the smaller private boats between 8m<sup>2</sup> and 19 m<sup>2</sup> in Options 1 and 4?
- (ii) With the increased numbers of larger boats registering on the Broads what is the economic justification for a below inflationary increase for the larger private boats in Options 1 and 4?
- (iii) The key differences between the four options appear to concern the

treatment of the hire boat industry and the impact on different sized craft.  
How should the Authority seek to resolve this issue for 2014?

**Table 6 Analysis of the Four Options according to the Guiding Principles**

<b>Guiding Principle</b>	<b>NSBA/BHBF Option 1</b>	<b>Flat Rate Increase of 2.8%</b>	<b>Flat Rate + Multiplier Change</b>	<b>NSBA/BHBF Option 4</b>
Size of the vessel - Impact on the navigation area - Perceived ability to pay - Greater impact on the system	Introduces variation in the relationship between size of vessel and amount paid as well as a small change in the multiplier	The existing tolls structure has a direct relationship for private motor craft between size and the level of charge	Reduces the multiplier but maintains the current relationship between size and charge	Introduces variation in the relationship between size of vessel and amount paid as well as a small change in the multiplier
Usage of the Navigation Area	Reduces the differential for hire boats	Maintains the existing hire boat multiplier	Reduces the differential for hire boats	Reduces the differential for hire boats
Environmental Impact	Generally larger craft have a larger environmental impact but have a lower percentage increase under this option	Maintains existing relationship for all craft	Maintains existing relationship for all craft	Generally larger craft have a larger environmental impact but have a lower percentage increase under this option
Economic Impact	Has regard to the impact on the local industry but not the impact on the small boat owner	Doesn't have regard to the financial challenges faced by the local industry	Flat rate increase for the private owner and has regard to the financial challenges faced by the local industry	Has regard to the impact on the local industry but not the impact on the small boat owner
Social Impact	Adverse impact on small motor boats	Maintains existing relationship for private owners	Maintains existing relationship for private owners	Adverse impact on small motor boats
Fairness	Difficult to justify that it is "understandably fair"	Maintains parity for private owner	Above inflation but flat rate increase for private owners to support hire industry	Difficult to justify that it is "understandably fair"
Value for Money	Charges proposed reduce the value for money for smaller private craft compared to other waterways and improve it for hired craft	Existing gap with other waterways maintained	The reduction in the multiplier improves the value for money for hired craft compared to other waterways while maintaining the gap for private craft	Charges proposed reduce the value for money for smaller private craft compared to other waterways and improve it for hired craft

5.3 Indicative figures for the four options are shown in the Table below with more detailed information contained in Appendix 2.



**Table 7 Approximate figures for the four options for Navigation Charges in 2014/15 generating a 2.8% increase in income**

Example Tolls	Existing	Option 1 NSBA/ BHBFB Proposal			Option 2 Flat Rate Increase			Option 3 Flat Rate Increase + Multiplier Δ			Option 4 NSBA/ BHBFB Proposal 2		
	Toll 2013/ 14	Toll 2014/ 15	Δ <sup>Δ</sup>	Δ□	Toll 2014/ 15	Δ <sup>Δ</sup>	Δ□	Toll 2014/ 15	Δ <sup>Δ</sup>	Δ□	Toll 2014/ 15	Δ <sup>Δ</sup>	Δ□
<b>Private</b>													
Canoe	£28.88	£29.75	£0.87	3.0	£29.69	£0.81	2.8	£29.95	£1.07	3.7	£29.75	£0.87	3.0
Motor 5m <sup>2</sup>	£90.00	£92.70	£2.70	3.0	£92.52	£2.25	2.8	£93.34	£3.34	3.7	£92.70	£2.70	3.0
Sail 5m <sup>2</sup>	£45.00	£46.35	£1.35	3.0	£46.26	£1.26	2.8	£46.64	£1.64	3.7	£46.35	£1.35	3.0
Motor 11m <sup>2</sup>	£143.28	£156.41	£13.13	9.2	£147.30	£4.02	2.8	£148.60	£5.32	3.7	£149.94	£6.66	4.6
Sail 11m <sup>2</sup>	£71.64	£78.21	£6.57	9.2	£73.62	£1.98	2.8	£74.24	£2.60	3.6	£74.97	£3.33	4.6
Motor Sail 18m <sup>2</sup>	£154.08	£162.68	£8.60	5.5	£158.40	£4.32	2.8	£159.85	£5.77	3.7	£159.82	£5.74	3.7
Motor 25m <sup>2</sup>	£267.60	£275.55	£7.95	3.0	£275.12	£7.52	2.8	£277.54	£9.94	3.7	£276.46	£8.86	3.3
Motor Sail 25m <sup>2</sup>	£200.70	£207.62	£6.92	3.4	£206.35	£5.65	2.8	£208.22	£7.52	3.7	£206.44	£5.74	2.9
Motor 38m <sup>2</sup>	£383.04	£386.18	£3.14	0.8	£393.81	£10.77	2.8	£397.27	£14.23	3.7	£392.16	£9.12	2.4
Motor 48m <sup>2</sup>	£471.84	£471.28	£-0.56	-0.1	£485.11	£13.27	2.8	£489.37	£17.53	3.7	£481.16	£9.32	2.0
Motor 86m <sup>2</sup>	£809.28	£794.66	£-14.62	-1.8	£832.05	£22.77	2.8	£839.35	£30.07	3.7	£819.36	£10.08	1.2
<b>Private Income</b>		£1,801,100			£1,786,000			£1,801,600			£1,795,900		
<b>Hire Boats</b>													
Motor 11m <sup>2</sup>	£422.68	£461.41	£38.73	9.2	£434.54	£11.86	2.8	£445.80	£23.12	5.5	£442.32	£19.65	4.6
Motor 25m <sup>2</sup>	£709.14	£727.46	£18.32	2.6	£729.07	£19.93	2.8	£713.28	£4.14	0.6	£724.33	£15.19	2.1
Motor 38m <sup>2</sup>	£1,015.06	£1,019.52	£4.46	0.4	£1,043.60	£28.54	2.8	£1,020.98	£5.92	0.6	£1,027.46	£12.40	1.2
Motor 48m <sup>2</sup>	£1,250.38	£1,244.18	£-6.20	-0.5	£1,285.54	£35.17	2.8	£1,257.68	£7.30	0.6	£1,260.64	£10.26	0.8
Motor 55m <sup>2</sup>	£1,415.10	£1,401.44	£-13.66	-1.0	£1,454.90	£39.80	2.8	£1,423.37	£8.27	0.6	£1,423.87	£8.77	0.6
<b>Hire Boat Income</b>		£1,118,600			£1,133,100			£1,116,500			£1,120,600		
<b>TOTAL Income</b>		£2,919,700			£2,919,100			£2,918,100			£2,916,500		

## 6 Conclusions

- 6.1 The revised NSBA/BHBFB proposal (Option 4) has moved closer to Options 2 and 3 which are based on flat rate increases for private craft. However, Options 1 and 4 are still different from the others because, on a percentage basis, the increases are higher for smaller private craft. Adoption of either of these options would represent a change of direction in policy for the Authority which has sought to narrow the relative differences (See Table below) with other waterways such as the Thames, by reducing the costs for smaller vessels. Members may wish to consider the evidence in support of this change in the direction of travel and how it relates to the Guiding Principles adopted last year.

Size	Thames	Broads	Broads Tolls as a Percentage of the Thames
6m <sup>2</sup>	£104.52	£98.88	94%
10m <sup>2</sup>	£174.20	£134.40	77%
21m <sup>2</sup>	£365.82	£232.08	63%
50m <sup>2</sup>	£871.00	£489.60	56%
85m <sup>2</sup>	£1443.60	£800.40	55%

6.2 The NSBA and BHBF have commended their approach for the coming year to the Authority on the basis that their proposals are “Righting a wrong”. The NSBA website states that last year’s decision:

“hit larger craft disproportionately hard, whereas smaller craft have benefited from reduced tolls. In addition, that structure has meant that the hire boat industry, a major component in the local economy, has been particularly badly hit by the tolls increases. These effects had not been adequately considered when the Authority made its tolls decision in 2012.”

6.3 The Navigation Committee and the Broads Authority will need to consider carefully whether in reaching last year’s decision on the structure of tolls the Authority failed to take the effects into consideration, thus leaving a wrong to be righted. The NSBA and BHBF are offering a different view on the direction of travel for navigation charges. Rather than endorsing the merits of reducing charges for smaller boats and increasing them for larger boats to bridge the relativity gap with other waterways, they are proposing, in Options 1 and 4, different stages of reversing this trend.

6.4 The findings from the in-depth survey of Broads’ boat users which is scheduled to be carried out in the New Year, may help in deciding on whether a change in direction is justified.

Background papers: None

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Date of report: 12 November 2013

Broads Plan Objectives: None

Appendices: 1. Tolls – Guiding Principles and Criteria  
2. Detailed costs for the Four Options

## Tolls - Guiding Principles and Criteria

### Overarching strategic principles

Options for changing the structure and the system for collecting navigation charges in the Broads will be judged using the following guiding principles. The structure of charges will take into account:

- (1) **Size of the vessel:**
  - Impact on the navigation area, i.e. generally the bigger the vessel the more impact it is likely to have
  - Perceived ability to pay, i.e. generally the larger the vessel the more valuable
  - Greater impact on the system, e.g. the larger the vessel the more space taken up
- (2) **Usage of the navigation area:** The owners of hire boats should pay more on the basis that their boats use the system and facilities more than private boats.
- (3) **Environmental impact:** Encouraging certain means of propulsion because of lower environmental impact – electric and non-powered craft (e.g. sailing, rowing, canoeing)
- (4) **Economic impact:** Having regard to the impact on both the private owner and the important local tourism industry.
- (5) **Social Impact:** Encouraging more participation in boating, particularly from new entrants and young people, with the aim of promoting health and well-being and the enjoyment of the special qualities of the area.
- (6) **Fairness:** Justifiably and understandably fair when applied and encompassing the full spectrum of users and uses.
- (7) **Value for Money:** Charges compare favourably with other waterways whilst generating the required revenue.

The effectiveness of changes to the system will be judged using the following attributes and criteria.

Attributes	Criteria for comparison
System is <b>cost effective</b> to administer i.e. cost remains low (currently around 4% toll income)	(i) Annual administration costs
System is <b>easily understood</b> by all users	(ii) Ease with which the system is understood at point of use (Schedule of Tolls)
System is <b>easily used</b> by customers	(iii) Ease of payment
Structure and charges reflect the seven principles: (1) Size of the vessel (2) Usage of the navigation area; (3) Environmental impact; (4) Economic impact; (5) Social impact; (6) Fairness; and (7) Value for money.	(iv) The structure of the tolls
Charges are <b>enforceable</b> at lowest possible cost	(v) Cost and Ease of Enforcement
System is capable of adjustments in line with guiding principles and without requiring major revision.	(vi) Adaptability

Private Motor Craft

BlockArea	2012	Toll	Option 1			Option 2			Option 3			Option 4			
			NSBA/BHBF Proposal			Flat Rate Increase			Flat Rate Increase + MultiplierΔ			NSBA/BHBF Proposal 2			
			Toll	2014/15	Δ£	Δ%	Toll	2014/15	Δ£	Δ%	Toll	2014/15	Δ£	Δ%	Toll
5 & under	731	£90.00	£92.70	£2.70	3.0	£92.52	£2.52	2.8	£93.34	£3.34	3.7	£92.70	£2.70	3.0	
6	231	£98.88	£103.74	£4.86	4.9	£101.65	£2.77	2.8	£102.55	£3.67	3.7	£102.24	£3.36	3.4	
7	168	£107.76	£114.78	£7.02	6.5	£110.78	£3.02	2.8	£111.76	£4.00	3.7	£111.78	£4.02	3.7	
8	159	£116.64	£125.82	£9.18	7.9	£119.91	£3.27	2.8	£120.97	£4.33	3.7	£121.32	£4.68	4.0	
9	160	£125.52	£136.86	£11.34	9.0	£129.04	£3.52	2.8	£130.18	£4.66	3.7	£130.86	£5.34	4.3	
10	188	£134.40	£147.90	£13.50	10.0	£138.17	£3.77	2.8	£139.39	£4.99	3.7	£140.40	£6.00	4.5	
11	278	£143.28	£156.41	£13.13	9.2	£147.30	£4.02	2.8	£148.60	£5.32	3.7	£149.94	£6.66	4.6	
12	273	£152.16	£164.92	£12.76	8.4	£156.43	£4.27	2.8	£157.81	£5.65	3.7	£159.48	£7.32	4.8	
13	167	£161.04	£173.43	£12.39	7.7	£165.56	£4.52	2.8	£167.02	£5.98	3.7	£169.02	£7.98	5.0	
14	218	£169.92	£181.94	£12.02	7.1	£174.69	£4.77	2.8	£176.23	£6.31	3.7	£178.56	£8.64	5.1	
15	275	£178.80	£190.45	£11.65	6.5	£183.82	£5.02	2.8	£185.44	£6.64	3.7	£187.46	£8.66	4.8	
16	169	£187.68	£198.96	£11.28	6.0	£192.95	£5.27	2.8	£194.65	£6.97	3.7	£196.36	£8.68	4.6	
17	123	£196.56	£207.47	£10.91	5.6	£202.08	£5.52	2.8	£203.86	£7.30	3.7	£205.26	£8.70	4.4	
18	141	£205.44	£215.98	£10.54	5.1	£211.21	£5.77	2.8	£213.07	£7.63	3.7	£214.16	£8.72	4.2	
19	121	£214.32	£224.49	£10.17	4.7	£220.34	£6.02	2.8	£222.28	£7.96	3.7	£223.06	£8.74	4.1	
20	156	£223.20	£233.00	£9.80	4.4	£229.47	£6.27	2.8	£231.49	£8.29	3.7	£231.96	£8.76	3.9	
21	199	£232.08	£241.51	£9.43	4.1	£238.60	£6.52	2.8	£240.70	£8.62	3.7	£240.86	£8.78	3.8	
22	355	£240.96	£250.02	£9.06	3.8	£247.73	£6.77	2.8	£249.91	£8.95	3.7	£249.76	£8.80	3.7	
23	220	£249.84	£258.53	£8.69	3.5	£256.86	£7.02	2.8	£259.12	£9.28	3.7	£258.66	£8.82	3.5	
24	103	£258.72	£267.04	£8.32	3.2	£265.99	£7.27	2.8	£268.33	£9.61	3.7	£267.56	£8.84	3.4	
25	86	£267.60	£275.55	£7.95	3.0	£275.12	£7.52	2.8	£277.54	£9.94	3.7	£276.46	£8.86	3.3	
26	87	£276.48	£284.06	£7.58	2.7	£284.25	£7.77	2.8	£286.75	£10.27	3.7	£285.36	£8.88	3.2	
27	134	£285.36	£292.57	£7.21	2.5	£293.38	£8.02	2.8	£295.96	£10.60	3.7	£294.26	£8.90	3.1	
28	169	£294.24	£301.08	£6.84	2.3	£302.51	£8.27	2.8	£305.17	£10.93	3.7	£303.16	£8.92	3.0	
29	125	£303.12	£309.59	£6.47	2.1	£311.64	£8.52	2.8	£314.38	£11.26	3.7	£312.06	£8.94	2.9	
30	111	£312.00	£318.10	£6.10	2.0	£320.77	£8.77	2.8	£323.59	£11.59	3.7	£320.96	£8.96	2.9	
31	85	£320.88	£326.61	£5.73	1.8	£329.90	£9.02	2.8	£332.80	£11.92	3.7	£329.86	£8.98	2.8	
32	62	£329.76	£335.12	£5.36	1.6	£339.03	£9.27	2.8	£342.01	£12.25	3.7	£338.76	£9.00	2.7	
33	105	£338.64	£343.63	£4.99	1.5	£348.16	£9.52	2.8	£351.22	£12.58	3.7	£347.66	£9.02	2.7	
34	74	£347.52	£352.14	£4.62	1.3	£357.29	£9.77	2.8	£360.43	£12.91	3.7	£356.56	£9.04	2.6	
35	103	£356.40	£360.65	£4.25	1.2	£366.42	£10.02	2.8	£369.64	£13.24	3.7	£365.46	£9.06	2.5	
36	70	£365.28	£369.16	£3.88	1.1	£375.55	£10.27	2.8	£378.85	£13.57	3.7	£374.36	£9.08	2.5	
37	105	£374.16	£377.67	£3.51	0.9	£384.68	£10.52	2.8	£388.06	£13.90	3.7	£383.26	£9.10	2.4	
38	102	£383.04	£386.18	£3.14	0.8	£393.81	£10.77	2.8	£397.27	£14.23	3.7	£392.16	£9.12	2.4	
39	59	£391.92	£394.69	£2.77	0.7	£402.94	£11.02	2.8	£406.48	£14.56	3.7	£401.06	£9.14	2.3	
40	55	£400.80	£403.20	£2.40	0.6	£412.07	£11.27	2.8	£415.69	£14.89	3.7	£409.96	£9.16	2.3	
41	64	£409.68	£411.71	£2.03	0.5	£421.20	£11.52	2.8	£424.90	£15.22	3.7	£418.86	£9.18	2.2	
42	65	£418.56	£420.22	£1.66	0.4	£430.33	£11.77	2.8	£434.11	£15.55	3.7	£427.76	£9.20	2.2	
43	37	£427.44	£428.73	£1.29	0.3	£439.46	£12.02	2.8	£443.32	£15.88	3.7	£436.66	£9.22	2.2	
44	22	£436.32	£437.24	£0.92	0.2	£448.59	£12.27	2.8	£452.53	£16.21	3.7	£445.56	£9.24	2.1	
45	17	£445.20	£445.75	£0.55	0.1	£457.72	£12.52	2.8	£461.74	£16.54	3.7	£454.46	£9.26	2.1	
46	40	£454.08	£454.26	£0.18	0.0	£466.85	£12.77	2.8	£470.95	£16.87	3.7	£463.36	£9.28	2.0	
47	19	£462.96	£462.77	£-0.19	0.0	£475.98	£13.02	2.8	£480.16	£17.20	3.7	£472.26	£9.30	2.0	
48	25	£471.84	£471.28	£-0.56	-0.1	£485.11	£13.27	2.8	£489.37	£17.53	3.7	£481.16	£9.32	2.0	
49	11	£480.72	£479.79	£-0.93	-0.2	£494.24	£13.52	2.8	£498.58	£17.86	3.7	£490.06	£9.34	1.9	
50	7	£489.60	£488.30	£-1.30	-0.3	£503.37	£13.77	2.8	£507.79	£18.19	3.7	£498.96	£9.36	1.9	
51	11	£498.48	£496.81	£-1.67	-0.3	£512.50	£14.02	2.8	£517.00	£18.52	3.7	£507.86	£9.38	1.9	
52	9	£507.36	£505.32	£-2.04	-0.4	£521.63	£14.27	2.8	£526.21	£18.85	3.7	£516.76	£9.40	1.9	
53	4	£516.24	£513.83	£-2.41	-0.5	£530.76	£14.52	2.8	£535.42	£19.18	3.7	£525.66	£9.42	1.8	
54	18	£525.12	£522.34	£-2.78	-0.5	£539.89	£14.77	2.8	£544.63	£19.51	3.7	£534.56	£9.44	1.8	
55	7	£534.00	£530.85	£-3.15	-0.6	£549.02	£15.02	2.8	£553.84	£19.84	3.7	£543.46	£9.46	1.8	
56	2	£542.88	£539.36	£-3.52	-0.6	£558.15	£15.27	2.8	£563.05	£20.17	3.7	£552.36	£9.48	1.7	
57	4	£551.76	£547.87	£-3.89	-0.7	£567.28	£15.52	2.8	£572.26	£20.50	3.7	£561.26	£9.50	1.7	
58	1	£560.64	£556.38	£-4.26	-0.8	£576.41	£15.77	2.8	£581.47	£20.83	3.7	£570.16	£9.52	1.7	
60	4	£578.40	£573.40	£-5.00	-0.9	£594.67	£16.27	2.8	£599.89	£21.49	3.7	£587.96	£9.56	1.7	
62	3	£596.16	£590.42	£-5.74	-1.0	£612.93	£16.77	2.8	£618.31	£22.15	3.7	£605.76	£9.60	1.6	
63	1	£605.04	£598.93	£-6.11	-1.0	£622.06	£17.02	2.8	£627.52	£22.48	3.7	£614.66	£9.62	1.6	
64	1	£613.92	£607.44	£-6.48	-1.1	£631.19	£17.27	2.8	£636.73	£22.81	3.7	£623.56	£9.64	1.6	
68	1	£649.44	£641.48	£-7.96	-1.2	£667.71	£18.27	2.8	£673.57	£24.13	3.7	£659.16	£9.72	1.5	
69	2	£658.32	£649.99	£-8.33	-1.3	£676.84	£18.52	2.8	£682.78	£24.46	3.7	£668.06	£9.74	1.5	
70	1	£667.20	£658.50	£-8.70	-1.3	£685.97	£18.77	2.8	£691.99	£24.79	3.7	£676.96	£9.76	1.5	
71	1	£676.08	£667.01	£-9.07	-1.3	£695.10	£19.02	2.8	£701.20	£25.12	3.7	£685.86	£9.78	1.4	
76	1	£720.48	£709.56	£-10.92	-1.5	£740.75	£20.27	2.8	£747.25	£26.77	3.7	£730.36	£9.88	1.4	
77	1	£729.36	£718.07	£-11.29	-1.5	£749.88	£20.52	2.8	£756.46	£27.10	3.7	£739.26	£9.90	1.4	
84	1	£791.52	£777.64	£-13.88	-1.8	£813.79	£22.27	2.8	£820.93	£29.41	3.7	£801.56	£10.04	1.3	
86	1	£809.28	£794.66	£-14.62	-1.8	£832.05	£22.77	2.8	£839.35	£30.07	3.7	£819.36	£10.08	1.2	

Navigation Charges in 2014/15 at 2.8% increase in Income

**Electric**

**Private Motor Craft**

BlockArea	2012		Option 1			Option 2			Option 3			Option 4		
	m2	Boat Numbers	Toll 2013/14	NSBA/BHBF Proposal		Flat Rate Increase			Flat Rate Increase + MultiplierΔ			NSBA/BHBF Proposal 2		
			Toll 2014/15	Δ£	Δ%	Toll 2014/15	Δ£	Δ%	Toll 2014/15	Δ£	Δ%	Toll 2014/15	Δ£	Δ%
5 & under	181	£63.00	£64.89	£1.89	3.0	£64.76	£1.76	2.8	£65.34	£2.34	3.7	£64.89	£1.89	3.0
6	18	£69.22	£72.62	£3.40	4.9	£71.16	£1.94	2.8	£71.79	£2.57	3.7	£71.57	£2.35	3.4
7	10	£75.43	£80.35	£4.91	6.5	£77.55	£2.11	2.8	£78.23	£2.80	3.7	£78.25	£2.81	3.7
8	7	£81.65	£88.07	£6.43	7.9	£83.94	£2.29	2.8	£84.68	£3.03	3.7	£84.92	£3.28	4.0
9	5	£87.86	£95.80	£7.94	9.0	£90.33	£2.46	2.8	£91.13	£3.26	3.7	£91.60	£3.74	4.3
10	4	£94.08	£103.53	£9.45	10.0	£96.72	£2.64	2.8	£97.57	£3.49	3.7	£98.28	£4.20	4.5
11	10	£100.30	£109.49	£9.19	9.2	£103.11	£2.81	2.8	£104.02	£3.72	3.7	£104.96	£4.66	4.6
12	3	£106.51	£115.44	£8.93	8.4	£109.50	£2.99	2.8	£110.47	£3.96	3.7	£111.64	£5.12	4.8
13	6	£112.73	£121.40	£8.67	7.7	£115.89	£3.16	2.8	£116.91	£4.19	3.7	£118.31	£5.59	5.0
14	2	£118.94	£127.36	£8.41	7.1	£122.28	£3.34	2.8	£123.36	£4.42	3.7	£124.99	£6.05	5.1
15	1	£125.16	£133.32	£8.16	6.5	£128.67	£3.51	2.8	£129.81	£4.65	3.7	£131.22	£6.06	4.8
16	2	£131.38	£139.27	£7.90	6.0	£135.07	£3.69	2.8	£136.26	£4.88	3.7	£137.45	£6.08	4.6
17	1	£137.59	£145.23	£7.64	5.6	£141.46	£3.86	2.8	£142.70	£5.11	3.7	£143.68	£6.09	4.4
18	1	£143.81	£151.19	£7.38	5.1	£147.85	£4.04	2.8	£149.15	£5.34	3.7	£149.91	£6.10	4.2
19	1	£150.02	£157.14	£7.12	4.7	£154.24	£4.21	2.8	£155.60	£5.57	3.7	£156.14	£6.12	4.1
21	3	£162.46	£169.06	£6.60	4.1	£167.02	£4.56	2.8	£168.49	£6.03	3.7	£168.60	£6.15	3.8
22	2	£168.67	£175.01	£6.34	3.8	£173.41	£4.74	2.8	£174.94	£6.26	3.7	£174.83	£6.16	3.7
23	1	£174.89	£180.97	£6.08	3.5	£179.80	£4.91	2.8	£181.38	£6.50	3.7	£181.06	£6.17	3.5
28	1	£205.97	£210.76	£4.79	2.3	£211.76	£5.79	2.8	£213.62	£7.65	3.7	£212.21	£6.24	3.0
30	1	£218.40	£222.67	£4.27	2.0	£224.54	£6.14	2.8	£226.51	£8.11	3.7	£224.67	£6.27	2.9

**Private Sailing Craft**

5	572	£45.00	£46.35	£1.35	3.0	£46.26	£1.26	2.8	£46.64	£1.64	3.6	£46.35	£1.35	3.0
6	157	£49.44	£51.87	£2.43	4.9	£50.82	£1.38	2.8	£51.24	£1.80	3.6	£51.12	£1.68	3.4
7	60	£53.88	£57.39	£3.51	6.5	£55.38	£1.50	2.8	£55.84	£1.96	3.6	£55.89	£2.01	3.7
8	123	£58.32	£62.91	£4.59	7.9	£59.94	£1.62	2.8	£60.44	£2.12	3.6	£60.66	£2.34	4.0
9	30	£62.76	£68.43	£5.67	9.0	£64.50	£1.74	2.8	£65.04	£2.28	3.6	£65.43	£2.67	4.3
10	47	£67.20	£73.95	£6.75	10.0	£69.06	£1.86	2.8	£69.64	£2.44	3.6	£70.20	£3.00	4.5
11	126	£71.64	£78.21	£6.57	9.2	£73.62	£1.98	2.8	£74.24	£2.60	3.6	£74.97	£3.33	4.6
12	44	£76.08	£82.47	£6.39	8.4	£78.18	£2.10	2.8	£78.84	£2.76	3.6	£79.74	£3.66	4.8
13	6	£80.52	£86.73	£6.21	7.7	£82.74	£2.22	2.8	£83.44	£2.92	3.6	£84.51	£3.99	5.0
14	11	£84.96	£90.99	£6.03	7.1	£87.30	£2.34	2.8	£88.04	£3.08	3.6	£89.28	£4.32	5.1
15	3	£89.40	£95.25	£5.85	6.5	£91.86	£2.46	2.8	£92.64	£3.24	3.6	£93.73	£4.33	4.8
16	3	£93.84	£99.51	£5.67	6.0	£96.42	£2.58	2.7	£97.24	£3.40	3.6	£98.18	£4.34	4.6
17	1	£98.28	£103.77	£5.49	5.6	£100.98	£2.70	2.7	£101.84	£3.56	3.6	£102.63	£4.35	4.4
18	3	£102.72	£108.03	£5.31	5.2	£105.54	£2.82	2.7	£106.44	£3.72	3.6	£107.08	£4.36	4.2
19	4	£107.16	£112.29	£5.13	4.8	£110.10	£2.94	2.7	£111.04	£3.88	3.6	£111.53	£4.37	4.1
20	3	£111.60	£116.55	£4.95	4.4	£114.66	£3.06	2.7	£115.64	£4.04	3.6	£115.98	£4.38	3.9
21	3	£116.04	£120.81	£4.77	4.1	£119.22	£3.18	2.7	£120.24	£4.20	3.6	£120.43	£4.39	3.8
22	1	£120.48	£125.07	£4.59	3.8	£123.78	£3.30	2.7	£124.84	£4.36	3.6	£124.88	£4.40	3.7
23	2	£124.92	£129.33	£4.41	3.5	£128.34	£3.42	2.7	£129.44	£4.52	3.6	£129.33	£4.41	3.5
24	1	£129.36	£133.59	£4.23	3.3	£132.90	£3.54	2.7	£134.04	£4.68	3.6	£133.78	£4.42	3.4
25	1	£133.80	£137.85	£4.05	3.0	£137.46	£3.66	2.7	£138.64	£4.84	3.6	£138.23	£4.43	3.3
26	1	£138.24	£142.11	£3.87	2.8	£142.02	£3.78	2.7	£143.24	£5.00	3.6	£142.68	£4.44	3.2
29	1	£151.56	£154.89	£3.33	2.2	£155.70	£4.14	2.7	£157.04	£5.48	3.6	£156.03	£4.47	2.9
32	1	£164.88	£167.67	£2.79	1.7	£169.38	£4.50	2.7	£170.84	£5.96	3.6	£169.38	£4.50	2.7
33	2	£169.32	£171.93	£2.61	1.5	£173.94	£4.62	2.7	£175.44	£6.12	3.6	£173.83	£4.51	2.7
34	1	£173.76	£176.19	£2.43	1.4	£178.50	£4.74	2.7	£180.04	£6.28	3.6	£178.28	£4.52	2.6
37	1	£187.08	£188.97	£1.89	1.0	£192.18	£5.10	2.7	£193.84	£6.76	3.6	£191.63	£4.55	2.4
38	1	£191.52	£193.23	£1.71	0.9	£196.74	£5.22	2.7	£198.44	£6.92	3.6	£196.08	£4.56	2.4
46	2	£227.04	£227.31	£0.27	0.1	£233.22	£6.18	2.7	£235.24	£8.20	3.6	£231.68	£4.64	2.0
48	2	£235.92	£235.83	-£0.09	0.0	£242.34	£6.42	2.7	£244.44	£8.52	3.6	£240.58	£4.66	2.0
49	1	£240.36	£240.09	-£0.27	-0.1	£246.90	£6.54	2.7	£249.04	£8.68	3.6	£245.03	£4.67	1.9
61	1	£293.64	£291.21	-£2.43	-0.8	£301.62	£7.98	2.7	£304.24	£10.60	3.6	£298.43	£4.79	1.6
80	1	£378.00	£372.15	-£5.85	-1.5	£388.26	£10.26	2.7	£391.64	£13.64	3.6	£382.98	£4.98	1.3
89	1	£417.96	£410.49	-£7.47	-1.8	£429.30	£11.34	2.7	£433.04	£15.08	3.6	£423.03	£5.07	1.2
91	1	£426.84	£419.01	-£7.83	-1.8	£438.42	£11.58	2.7	£442.24	£15.40	3.6	£431.93	£5.09	1.2
110	1	£511.20	£499.95	-£11.25	-2.2	£525.06	£13.86	2.7	£529.64	£18.44	3.6	£516.48	£5.28	1.0

Navigation Charges in 2014/15 at 2.8% increase in Income

<b>Private Motorised Sailing</b>			<b>Option 1</b>			<b>Option 2</b>			<b>Option 3</b>			<b>Option 4</b>		
<b>BlockArea</b>	<b>2012</b>	<b>Toll</b>	<b>NSBA/BHBF Proposal</b>			<b>Flat Rate Increase</b>			<b>Flat Rate Increase + MultiplierΔ</b>			<b>NSBA/BHBF Proposal 2</b>		
<b>m2</b>	<b>Boat Numbers</b>	<b>2013/14</b>	<b>Toll</b>	<b>Δ£</b>	<b>Δ%</b>	<b>Toll</b>	<b>Δ£</b>	<b>Δ%</b>	<b>Toll</b>	<b>Δ£</b>	<b>Δ%</b>	<b>Toll</b>	<b>Δ£</b>	<b>Δ%</b>
6	13	£90.00	£92.72	£2.72	3.0	£92.52	£2.52	2.8	£93.31	£3.31	3.7	£92.70	£2.70	3.0
7	14	£94.68	£97.37	£2.69	2.8	£97.33	£2.65	2.8	£98.16	£3.48	3.7	£97.76	£3.08	3.3
8	36	£99.36	£102.02	£2.66	2.7	£102.14	£2.78	2.8	£103.01	£3.65	3.7	£102.82	£3.46	3.5
9	31	£104.04	£106.67	£2.63	2.5	£106.95	£2.91	2.8	£107.86	£3.82	3.7	£107.88	£3.84	3.7
10	93	£108.72	£111.32	£2.60	2.4	£111.76	£3.04	2.8	£112.71	£3.99	3.7	£112.94	£4.22	3.9
11	95	£113.40	£117.74	£4.34	3.8	£116.57	£3.17	2.8	£117.56	£4.16	3.7	£118.00	£4.60	4.1
12	108	£118.08	£124.16	£6.08	5.1	£121.38	£3.30	2.8	£122.41	£4.33	3.7	£123.06	£4.98	4.2
13	74	£122.76	£130.58	£7.82	6.4	£126.19	£3.43	2.8	£127.26	£4.50	3.7	£128.12	£5.36	4.4
14	80	£127.44	£137.00	£9.56	7.5	£131.00	£3.56	2.8	£132.21	£4.77	3.7	£133.18	£5.74	4.5
15	73	£134.10	£143.42	£9.32	7.0	£137.85	£3.75	2.8	£139.12	£5.02	3.7	£139.84	£5.74	4.3
16	68	£140.76	£149.84	£9.08	6.5	£144.70	£3.94	2.8	£146.03	£5.27	3.7	£146.50	£5.74	4.1
17	114	£147.42	£156.26	£8.84	6.0	£151.55	£4.13	2.8	£152.94	£5.52	3.7	£153.16	£5.74	3.9
18	55	£154.08	£162.68	£8.60	5.6	£158.40	£4.32	2.8	£159.85	£5.77	3.7	£159.82	£5.74	3.7
19	21	£160.74	£169.10	£8.36	5.2	£165.25	£4.51	2.8	£166.76	£6.02	3.7	£166.48	£5.74	3.6
20	65	£167.40	£175.52	£8.12	4.9	£172.10	£4.70	2.8	£173.67	£6.27	3.7	£173.14	£5.74	3.4
21	46	£174.06	£181.94	£7.88	4.5	£178.95	£4.89	2.8	£180.58	£6.52	3.7	£179.80	£5.74	3.3
22	20	£180.72	£188.36	£7.64	4.2	£185.80	£5.08	2.8	£187.49	£6.77	3.7	£186.46	£5.74	3.2
23	18	£187.38	£194.78	£7.40	3.9	£192.65	£5.27	2.8	£194.40	£7.02	3.7	£193.12	£5.74	3.1
24	7	£194.04	£201.20	£7.16	3.7	£199.50	£5.46	2.8	£201.31	£7.27	3.7	£199.78	£5.74	3.0
25	16	£200.70	£207.62	£6.92	3.4	£206.35	£5.65	2.8	£208.22	£7.52	3.7	£206.44	£5.74	2.9
26	17	£207.36	£214.04	£6.68	3.2	£213.20	£5.84	2.8	£215.13	£7.77	3.7	£213.10	£5.74	2.8
27	6	£214.02	£220.46	£6.44	3.0	£220.05	£6.03	2.8	£222.04	£8.02	3.7	£219.76	£5.74	2.7
28	9	£220.68	£226.88	£6.20	2.8	£226.90	£6.22	2.8	£228.95	£8.27	3.7	£226.42	£5.74	2.6
29	4	£227.34	£233.30	£5.96	2.6	£233.75	£6.41	2.8	£235.86	£8.52	3.7	£233.08	£5.74	2.5
30	3	£234.00	£239.72	£5.72	2.4	£240.60	£6.60	2.8	£242.77	£8.77	3.7	£239.74	£5.74	2.5
31	3	£240.66	£246.14	£5.48	2.3	£247.45	£6.79	2.8	£249.68	£9.02	3.7	£246.40	£5.74	2.4
35	1	£267.30	£271.82	£4.52	1.7	£274.85	£7.55	2.8	£277.32	£10.02	3.7	£273.04	£5.74	2.1
<b>Electric</b>														
<b>Private Motorised Sailing</b>														
6	8	£63.00	£64.90	£1.90	3.0	£64.76	£1.76	2.8	£65.32	£2.32	3.7	£64.89	£1.89	3.0
7	4	£66.28	£68.16	£1.88	2.8	£68.13	£1.85	2.8	£68.71	£2.44	3.7	£68.43	£2.16	3.3
8	11	£69.55	£71.41	£1.86	2.7	£71.50	£1.95	2.8	£72.11	£2.55	3.7	£71.97	£2.42	3.5
9	6	£72.83	£74.67	£1.84	2.5	£74.87	£2.04	2.8	£75.50	£2.67	3.7	£75.52	£2.69	3.7
10	8	£76.10	£77.92	£1.82	2.4	£78.23	£2.13	2.8	£78.90	£2.79	3.7	£79.06	£2.95	3.9
11	17	£79.38	£82.42	£3.04	3.8	£81.60	£2.22	2.8	£82.29	£2.91	3.7	£82.60	£3.22	4.1
12	12	£82.66	£86.91	£4.26	5.1	£84.97	£2.31	2.8	£85.69	£3.03	3.7	£86.14	£3.49	4.2
13	4	£85.93	£91.41	£5.47	6.4	£88.33	£2.40	2.8	£89.08	£3.15	3.7	£89.68	£3.75	4.4
14	2	£89.21	£95.90	£6.69	7.5	£91.70	£2.49	2.8	£92.55	£3.34	3.7	£93.23	£4.02	4.5
16	7	£98.53	£104.89	£6.36	6.5	£101.29	£2.76	2.8	£102.22	£3.69	3.7	£102.55	£4.02	4.1
17	3	£103.19	£109.38	£6.19	6.0	£106.09	£2.89	2.8	£107.06	£3.86	3.7	£107.21	£4.02	3.9
18	5	£107.86	£113.88	£6.02	5.6	£110.88	£3.02	2.8	£111.90	£4.04	3.7	£111.87	£4.02	3.7
19	4	£112.52	£118.37	£5.85	5.2	£115.68	£3.16	2.8	£116.73	£4.21	3.7	£116.54	£4.02	3.6
20	5	£117.18	£122.86	£5.68	4.9	£120.47	£3.29	2.8	£121.57	£4.39	3.7	£121.20	£4.02	3.4
22	1	£126.50	£131.85	£5.35	4.2	£130.06	£3.56	2.8	£131.24	£4.74	3.7	£130.52	£4.02	3.2
23	2	£131.17	£136.35	£5.18	3.9	£134.86	£3.69	2.8	£136.08	£4.91	3.7	£135.18	£4.02	3.1
24	1	£135.83	£140.84	£5.01	3.7	£139.65	£3.82	2.8	£140.92	£5.09	3.7	£139.85	£4.02	3.0
25	1	£140.49	£145.33	£4.84	3.4	£144.45	£3.96	2.8	£145.75	£5.26	3.7	£144.51	£4.02	2.9
59	1	£299.00	£298.13	-£0.87	-0.3	£307.48	£8.48	2.8	£310.21	£11.21	3.8	£303.02	£4.02	1.3
72	1	£359.60	£356.55	-£3.05	-0.8	£369.81	£10.21	2.8	£373.09	£13.49	3.8	£363.62	£4.02	1.1
98	1	£480.82	£473.40	-£7.42	-1.5	£494.48	£13.66	2.8	£498.86	£18.04	3.8	£484.83	£4.02	0.8

Navigation Charges in 2014/15 at 2.8% increase in Income

**Hire Motor Cruisers**

BlockArea m <sup>2</sup>	2012 Boat Numbers	Toll 2013/14	Option 1 NSBA/BHBF Proposal			Option 2 Flat Rate Increase			Option 3 Flat Rate Increase + Multiplier Δ			Option 4 NSBA/BHBF Proposal 2		
			Toll 2014/15	Δ£	Δ%	Toll 2014/15	Δ£	Δ%	Toll 2014/15	Δ£	Δ%	Toll 2014/15	Δ£	Δ%
12	13	£403.22	£435.39	£32.16	8.0	£414.54	£11.32	2.8	£405.57	£2.35	0.6	£417.84	£14.61	3.6
13	1	£426.76	£457.86	£31.10	7.3	£438.73	£11.98	2.8	£429.24	£2.49	0.6	£442.83	£16.08	3.8
15	6	£473.82	£502.79	£28.97	6.1	£487.12	£13.30	2.8	£476.58	£2.76	0.6	£491.15	£17.33	3.7
17	1	£520.88	£547.72	£26.84	5.2	£535.51	£14.63	2.8	£523.92	£3.04	0.6	£537.78	£16.90	3.2
18	7	£544.42	£570.19	£25.77	4.7	£559.71	£15.29	2.8	£547.59	£3.17	0.6	£561.10	£16.68	3.1
19	12	£567.95	£592.65	£24.71	4.3	£583.90	£15.95	2.8	£571.26	£3.31	0.6	£584.42	£16.47	2.9
20	20	£591.48	£615.12	£23.64	4.0	£608.10	£16.62	2.8	£594.93	£3.45	0.6	£607.74	£16.26	2.7
21	8	£615.01	£637.59	£22.57	3.7	£632.29	£17.28	2.8	£618.60	£3.59	0.6	£631.05	£16.04	2.6
22	19	£638.54	£660.05	£21.51	3.4	£656.48	£17.94	2.8	£642.27	£3.72	0.6	£654.37	£15.83	2.5
23	11	£662.08	£682.52	£20.44	3.1	£680.68	£18.60	2.8	£665.94	£3.86	0.6	£677.69	£15.61	2.4
24	2	£685.61	£704.99	£19.38	2.8	£704.87	£19.27	2.8	£689.61	£4.00	0.6	£701.01	£15.40	2.2
26	4	£732.67	£749.92	£17.25	2.4	£753.26	£20.59	2.8	£736.95	£4.28	0.6	£747.64	£14.97	2.0
27	15	£756.20	£772.38	£16.18	2.1	£777.46	£21.25	2.8	£760.62	£4.41	0.6	£770.96	£14.76	2.0
28	37	£779.74	£794.85	£15.12	1.9	£801.65	£21.92	2.8	£784.29	£4.55	0.6	£794.28	£14.54	1.9
29	11	£803.27	£817.32	£14.05	1.7	£825.85	£22.58	2.8	£807.96	£4.69	0.6	£817.60	£14.33	1.8
30	18	£826.80	£839.78	£12.98	1.6	£850.04	£23.24	2.8	£831.63	£4.83	0.6	£840.92	£14.12	1.7
31	18	£850.33	£862.25	£11.92	1.4	£874.24	£23.90	2.8	£855.30	£4.96	0.6	£864.23	£13.90	1.6
32	12	£873.86	£884.72	£10.85	1.2	£898.43	£24.57	2.8	£878.97	£5.10	0.6	£887.55	£13.69	1.6
33	25	£897.40	£907.18	£9.79	1.1	£922.62	£25.23	2.8	£902.64	£5.24	0.6	£910.87	£13.47	1.5
34	17	£920.93	£929.65	£8.72	0.9	£946.82	£25.89	2.8	£926.31	£5.38	0.6	£934.19	£13.26	1.4
35	36	£944.46	£952.12	£7.66	0.8	£971.01	£26.55	2.8	£949.97	£5.51	0.6	£957.51	£13.05	1.4
36	29	£967.99	£974.58	£6.59	0.7	£995.21	£27.22	2.8	£973.64	£5.65	0.6	£980.82	£12.83	1.3
37	86	£991.52	£997.05	£5.52	0.6	£1,019.40	£27.88	2.8	£997.31	£5.79	0.6	£1,004.14	£12.62	1.3
38	68	£1,015.06	£1,019.52	£4.46	0.4	£1,043.60	£28.54	2.8	£1,020.98	£5.93	0.6	£1,027.46	£12.40	1.2
39	20	£1,038.59	£1,041.98	£3.39	0.3	£1,067.79	£29.20	2.8	£1,044.65	£6.07	0.6	£1,050.78	£12.19	1.2
40	21	£1,062.12	£1,064.45	£2.33	0.2	£1,091.99	£29.87	2.8	£1,068.32	£6.20	0.6	£1,074.10	£11.98	1.1
41	30	£1,085.65	£1,086.91	£1.26	0.1	£1,116.18	£30.53	2.8	£1,091.99	£6.34	0.6	£1,097.41	£11.76	1.1
42	32	£1,109.18	£1,109.38	£0.20	0.0	£1,140.37	£31.19	2.8	£1,115.66	£6.48	0.6	£1,120.73	£11.55	1.0
43	28	£1,132.72	£1,131.85	-£0.87	-0.1	£1,164.57	£31.85	2.8	£1,139.33	£6.62	0.6	£1,144.05	£11.33	1.0
44	51	£1,156.25	£1,154.31	-£1.93	-0.2	£1,188.76	£32.52	2.8	£1,163.00	£6.75	0.6	£1,167.37	£11.12	1.0
45	14	£1,179.78	£1,176.78	-£3.00	-0.3	£1,212.96	£33.18	2.8	£1,186.67	£6.89	0.6	£1,190.69	£10.91	0.9
46	85	£1,203.31	£1,199.25	-£4.07	-0.3	£1,237.15	£33.84	2.8	£1,210.34	£7.03	0.6	£1,214.00	£10.69	0.9
47	14	£1,226.84	£1,221.71	-£5.13	-0.4	£1,261.35	£34.50	2.8	£1,234.01	£7.17	0.6	£1,237.32	£10.48	0.9
48	55	£1,250.38	£1,244.18	-£6.20	-0.5	£1,285.54	£35.17	2.8	£1,257.68	£7.30	0.6	£1,260.64	£10.26	0.8
49	3	£1,273.91	£1,266.65	-£7.26	-0.6	£1,309.74	£35.83	2.8	£1,281.35	£7.44	0.6	£1,283.96	£10.05	0.8
50	31	£1,297.44	£1,289.11	-£8.33	-0.6	£1,333.93	£36.49	2.8	£1,305.02	£7.58	0.6	£1,307.28	£9.84	0.8
51	16	£1,320.97	£1,311.58	-£9.39	-0.7	£1,358.13	£37.15	2.8	£1,328.69	£7.72	0.6	£1,330.59	£9.62	0.7
52	5	£1,344.50	£1,334.04	-£10.46	-0.8	£1,382.32	£37.82	2.8	£1,352.36	£7.86	0.6	£1,353.91	£9.41	0.7
54	2	£1,391.57	£1,378.98	-£12.59	-0.9	£1,430.71	£39.14	2.8	£1,399.70	£8.13	0.6	£1,400.55	£8.98	0.6
55	2	£1,415.10	£1,401.44	-£13.66	-1.0	£1,454.90	£39.80	2.8	£1,423.37	£8.27	0.6	£1,423.87	£8.77	0.6

**Hire Motorised Sailing**

13	1	£325.31	£344.73	£19.42	6.0	£334.40	£9.09	2.8	£327.06	£1.74	0.5	£335.67	£10.36	3.2
15	1	£355.37	£378.63	£23.26	6.5	£365.30	£9.94	2.8	£357.54	£2.17	0.6	£366.38	£11.02	3.1
16	3	£373.01	£395.58	£22.56	6.0	£383.46	£10.44	2.8	£375.30	£2.28	0.6	£383.83	£10.82	2.9
17	3	£390.66	£412.53	£21.86	5.6	£401.61	£10.94	2.8	£393.06	£2.39	0.6	£401.28	£10.62	2.7
18	3	£408.31	£429.48	£21.16	5.2	£419.76	£11.45	2.8	£410.81	£2.50	0.6	£418.73	£10.42	2.6
21	4	£461.26	£480.32	£19.06	4.1	£474.22	£12.96	2.8	£464.09	£2.83	0.6	£471.08	£9.82	2.1
22	1	£478.91	£497.27	£18.36	3.8	£492.37	£13.46	2.8	£481.85	£2.94	0.6	£488.53	£9.62	2.0
23	5	£496.56	£514.22	£17.66	3.6	£510.52	£13.97	2.8	£499.61	£3.05	0.6	£505.97	£9.42	1.9
24	2	£514.21	£531.17	£16.96	3.3	£528.68	£14.47	2.8	£517.37	£3.16	0.6	£523.42	£9.22	1.8
25	7	£531.86	£548.12	£16.26	3.1	£546.83	£14.97	2.8	£535.13	£3.27	0.6	£540.87	£9.02	1.7
26	9	£549.50	£565.07	£15.56	2.8	£564.98	£15.48	2.8	£552.88	£3.38	0.6	£558.32	£8.82	1.6
29	1	£602.45	£615.91	£13.46	2.2	£619.44	£16.99	2.8	£606.16	£3.71	0.6	£610.67	£8.22	1.4
30	2	£620.10	£632.86	£12.76	2.1	£637.59	£17.49	2.8	£623.92	£3.82	0.6	£628.12	£8.02	1.3
34	1	£690.70	£700.66	£9.96	1.4	£710.20	£19.50	2.8	£694.95	£4.26	0.6	£697.92	£7.22	1.0
35	2	£708.35	£717.60	£9.26	1.3	£728.35	£20.01	2.8	£712.71	£4.37	0.6	£715.36	£7.02	1.0

Navigation Charges in 2014/15 at 2.8% increase in Income

<b>Hire Day and Passenger Craft</b>			<b>Option 1</b>				<b>Option 2</b>			<b>Option 3</b>			<b>Option 4</b>		
<b>BlockArea</b>	<b>2012</b>	<b>Toll</b>	<b>NSBA/BHBF Proposal</b>			<b>Flat Rate Increase</b>			<b>Flat Rate Increase + MultiplierΔ</b>			<b>NSBA/BHBF Proposal 2</b>			
<b>m2</b>	<b>Boat Numbers</b>	<b>2013/14</b>	<b>Toll</b>	<b>2014/15</b>	<b>Δ£</b>	<b>Δ%</b>	<b>Toll</b>	<b>Δ£</b>	<b>Δ%</b>	<b>Toll</b>	<b>Δ£</b>	<b>Δ%</b>	<b>Toll</b>	<b>Δ£</b>	<b>Δ%</b>
5	3	£265.50	£273.47	£7.96	3.0	£272.93	£7.43	2.8	£280.02	£14.52	5.5	£273.47	£7.96	3.0	
6	1	£291.70	£306.03	£14.34	4.9	£299.87	£8.17	2.8	£307.65	£15.95	5.5	£301.61	£9.91	3.4	
7	5	£317.89	£338.60	£20.71	6.5	£326.80	£8.91	2.8	£335.28	£17.39	5.5	£329.75	£11.86	3.7	
8	14	£344.09	£371.17	£27.08	7.9	£353.73	£9.65	2.8	£362.91	£18.82	5.5	£357.89	£13.81	4.0	
9	34	£370.28	£403.74	£33.45	9.0	£380.67	£10.38	2.8	£390.54	£20.26	5.5	£386.04	£15.75	4.3	
10	33	£396.48	£436.31	£39.82	10.0	£407.60	£11.12	2.8	£418.17	£21.69	5.5	£414.18	£17.70	4.5	
11	53	£422.68	£461.41	£38.73	9.2	£434.54	£11.86	2.8	£445.80	£23.12	5.5	£442.32	£19.65	4.6	
12	71	£448.87	£486.51	£37.64	8.4	£461.47	£12.60	2.8	£473.43	£24.56	5.5	£470.47	£21.59	4.8	
13	13	£475.07	£511.62	£36.55	7.7	£488.40	£13.33	2.8	£501.06	£25.99	5.5	£498.61	£23.54	5.0	
14	4	£501.26	£536.72	£35.46	7.1	£515.34	£14.07	2.8	£528.69	£27.43	5.5	£526.75	£25.49	5.1	
15	9	£527.46	£561.83	£34.37	6.5	£542.27	£14.81	2.8	£556.32	£28.86	5.5	£553.01	£25.55	4.8	
16	2	£553.66	£586.93	£33.28	6.0	£569.20	£15.55	2.8	£583.95	£30.29	5.5	£579.26	£25.61	4.6	
19	1	£632.24	£662.25	£30.00	4.7	£650.00	£17.76	2.8	£666.84	£34.60	5.5	£658.03	£25.78	4.1	
23	1	£737.03	£762.66	£25.64	3.5	£757.74	£20.71	2.8	£777.36	£40.33	5.5	£763.05	£26.02	3.5	
33	2	£998.99	£1,013.71	£14.72	1.5	£1,027.07	£28.08	2.8	£1,053.66	£54.67	5.5	£1,025.60	£26.61	2.7	
34	1	£1,025.18	£1,038.81	£13.63	1.3	£1,054.01	£28.82	2.8	£1,081.29	£56.11	5.5	£1,051.85	£26.67	2.6	
42	1	£1,234.75	£1,239.65	£4.90	0.4	£1,269.47	£34.72	2.8	£1,302.33	£67.58	5.5	£1,261.89	£27.14	2.2	
61	2	£1,732.48	£1,716.63	£-15.84	-0.9	£1,781.21	£48.73	2.8	£1,827.30	£94.82	5.5	£1,760.74	£28.26	1.6	
68	1	£1,915.85	£1,892.37	£-23.48	-1.2	£1,969.74	£53.90	2.8	£2,020.71	£104.86	5.5	£1,944.52	£28.67	1.5	
36	1	£1,077.58	£1,089.02	£11.45	1.1	£1,107.87	£30.30	2.8	£1,136.55	£58.97	5.5	£1,104.36	£26.79	2.5	
72	2	2020.632	£1,992.78	£-27.85	-1.4	£2,077.48	£56.85	2.8	£2,131.23	£110.60	5.5	£2,049.54	£28.91	1.4	
84	1	2334.984	£2,294.04	£-40.95	-1.8	£2,400.68	£65.70	2.8	£2,462.79	£127.81	5.5	£2,364.60	£29.62	1.3	
89	2	£2,465.96	£2,419.56	£-46.40	-1.9	£2,535.35	£69.38	2.8	£2,600.94	£134.98	5.5	£2,495.88	£29.91	1.2	
98	1	£2,701.73	£2,645.50	£-56.23	-2.1	£2,777.75	£76.02	2.8	£2,849.61	£147.88	5.5	£2,732.17	£30.44	1.1	
<b>Hire Day</b>															
<b>Craft - Electric</b>															
6	1	£204.19	£214.22	£10.04	4.9	£209.91	£5.72	2.8	£215.36	£11.17	5.5	£211.13	£6.94	3.4	
7	1	£222.52	£237.02	£14.50	6.5	£228.76	£6.24	2.8	£234.70	£12.17	5.5	£230.83	£8.30	3.7	
9	15	£259.20	£282.62	£23.42	9.0	£266.47	£7.27	2.8	£273.38	£14.18	5.5	£270.23	£11.03	4.3	
10	14	£277.54	£305.41	£27.88	10.0	£285.32	£7.79	2.8	£292.72	£15.18	5.5	£289.93	£12.39	4.5	
11	9	£295.87	£322.99	£27.11	9.2	£304.17	£8.30	2.8	£312.06	£16.19	5.5	£309.63	£13.75	4.6	
12	6	£314.21	£340.56	£26.35	8.4	£323.03	£8.82	2.8	£331.40	£17.19	5.5	£329.33	£15.12	4.8	
13	1	£332.55	£358.13	£25.59	7.7	£341.88	£9.33	2.8	£350.74	£18.19	5.5	£349.03	£16.48	5.0	
14	2	£350.88	£375.71	£24.82	7.1	£360.73	£9.85	2.8	£370.08	£19.20	5.5	£368.73	£17.84	5.1	
15	6	£369.22	£393.28	£24.06	6.5	£379.59	£10.37	2.8	£389.42	£20.20	5.5	£387.10	£17.88	4.8	
18	1	£424.23	£446.00	£21.77	5.1	£436.15	£11.92	2.8	£447.45	£23.21	5.5	£442.24	£18.01	4.2	
<b>Hire Sailing Craft</b>															
5	78	£90.00	£92.70	£2.70	3.0	£92.52	£2.52	2.8	£93.28	£3.28	3.6	£92.70	£2.70	3.0	
6	1	£98.88	£103.74	£4.86	4.9	£101.64	£2.76	2.8	£102.48	£3.60	3.6	£102.24	£3.36	3.4	
10	4	£134.40	£147.90	£13.50	10.0	£138.12	£3.72	2.8	£139.28	£4.88	3.6	£140.40	£6.00	4.5	
11	9	£189.85	£206.47	£16.63	8.8	£195.09	£5.25	2.8	£190.80	£0.95	0.5	£196.42	£6.58	3.5	
14	1	£225.14	£240.21	£15.07	6.7	£231.35	£6.20	2.8	£226.26	£1.12	0.5	£233.91	£8.77	3.9	
16	10	£248.68	£262.71	£14.03	5.6	£255.51	£6.84	2.7	£249.91	£1.23	0.5	£257.23	£8.56	3.4	
22	4	£319.27	£330.18	£10.91	3.4	£328.02	£8.75	2.7	£320.84	£1.57	0.5	£327.19	£7.91	2.5	
23	2	£331.04	£341.43	£10.39	3.1	£340.10	£9.06	2.7	£332.66	£1.62	0.5	£338.84	£7.81	2.4	
29	1	£401.63	£408.91	£7.28	1.8	£412.61	£10.97	2.7	£403.59	£1.96	0.5	£408.80	£7.16	1.8	
31	1	£425.17	£431.40	£6.24	1.5	£436.77	£11.61	2.7	£427.24	£2.07	0.5	£432.12	£6.95	1.6	
36	4	£484.00	£487.63	£3.64	0.8	£497.19	£13.20	2.7	£486.35	£2.35	0.5	£490.41	£6.42	1.3	
40	2	£531.06	£532.62	£1.56	0.3	£545.53	£14.47	2.7	£533.63	£2.57	0.5	£537.05	£5.99	1.1	
41	1	£542.83	£543.87	£1.04	0.2	£557.61	£14.79	2.7	£545.46	£2.63	0.5	£548.71	£5.88	1.1	
43	4	£566.36	£566.36	£0.00	0.0	£581.78	£15.42	2.7	£569.10	£2.74	0.5	£572.02	£5.67	1.0	
176	1	£2,131.24	£2,062.13	£-69.11	-3.2	£2,188.95	£57.72	2.7	£2,141.43	£10.19	0.5	£2,122.67	£-8.56	-0.4	