

<b>Committee(s):</b> Port Health and Environmental Services	<b>Date(s):</b> 9 <sup>th</sup> September 2013
<b>Subject:</b> Bishopsgate litter bin trial update	<b>Public</b>
<b>Report of:</b> Director of the Built Environment	<b>For Information</b>

This note provides a briefing on the background and progress of the litter bin trial currently being carried out in Bishopsgate Ward.

Routine monitoring by officers previously identified Bishopsgate as an area experiencing significantly worse than normal cleansing standards compared to the rest of the City. As a consequence additional resources were deployed to achieve improvements. However continued monitoring suggests that the required standards are still not being consistently achieved.

Representations relating to the area have also been received from local ward members and after consultation with Transport for London (TfL) and Members a two week litter bin trial has been initiated. This includes installing 20 litter bins along Bishopsgate and comparing the standards of cleanliness that are achieved with and without the bins. (See Appendix 1.)

The bins were installed, as agreed with TfL, on 17<sup>th</sup> August and removed on 2<sup>nd</sup> September 2013. To enable the objective evaluation of Bishopsgate, officers completed regular survey inspections using the Keep Britain Tidy (KBT) grading methodology prior to the bins being installed and 448 individual street cleanliness grading inspections were completed during the two weeks prior to bin installation.

The purpose of the evaluation was to establish the standard of cleanliness along Bishopsgate with and without the bins. A further two week evaluation will be undertaken after the litter bins have been removed. The trial will also consider other details such as fly-tipping, pavement staining around bins, overflowing litter bins, individual litter bin usage and the weight of waste collected.

Members are asked to note that data is currently being collected and the post bin installation assessment is on-going. The findings of this trial will be reported to this Committee in November this year along with any resultant recommendations.

**Recommendation:** Members are requested to note this report.

### Appendices

- Appendix 1 – Trial Proposal
- Appendix 2 – Pre-trial Evaluation Initial Results
- Appendix 3 – Trial First week (Second week to follow)

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## Appendix 1 – Trial Proposal

### Proposed Bishopsgate Bin Trial

It is recognised the Bishopsgate area, particularly near the Liverpool Street Station entrance, is a hotspot for litter in the City. At the end of 2012 the resources used to clean this area were reviewed and reorganised to optimise their performance.

Whilst the City has had a general policy of not providing general litter bins since 2008 it has been recognised that limited provision in particular litter hotspots (such as areas where people congregate for lunch in hot weather or tourist attractions) can help resolve the problem, provided the provision is adequate and they are regularly serviced. Following the recent installation of 26 Big Belly Solar Compactors the City has a stock of blast mitigating litter bins that were replaced (see photo below) and it is proposed that these are trialled on Bishopsgate to see if providing a large amount of bins will alleviate the litter issue there. To see if this will work a trial period has been agreed with TfL (who are responsible for Bishopsgate as a TfL Red Route).

#### Trial:

Pre Trial Inspections: 5<sup>th</sup> August to 18<sup>th</sup> August  
Trial Period: 19<sup>th</sup> August to 1<sup>st</sup> September

Four areas have been identified on Bishopsgate and will be inspected nine times per day as per the schedule below. Each area will be graded according to the amount of litter found using the Keep Britain Tidy A-D grading system and any fly-tipping noted. This will be carried out for two weeks to establish the current condition before the bins are installed.

Following the Pre Trial Inspections 20 blast proof general litter bins will be installed (see photo and locations attached). The same four areas will then be inspected using the same schedule. During the trial period the condition of each bin (overflowing, staining etc) will be noted along with weather conditions (see attached inspection form).

All waste from the bins will be collected in specific bags and weighed separately at Walbrook Wharf depot. This waste will also be audited to give an indication as to how much recyclable waste is being lost compared to the current method whereby the operative collects street sweepings and separates recyclable litter as part of the process.

#### Areas and proposed bin locations (see attached map):

North West: from Bin 1 to Bin 4.  
South West: from Bin 4 to Bin 8.  
South East: from Bin 9 to Bin 15.  
North East: from Bin 16 to Bin 20.

#### Inspection Schedules:

Time	0400	0700	0900	1100	1300	1500	1700	1900	2230
Type	SEO	CCTV	SEO	SEO	CCTV	CCTV	SEO	SEO	SEO

## Appendix 1 – Trial Proposal

Time	0800	1000	1200	1400	1600
Type	AMEY	AMEY	AMEY	AMEY	AMEY

**CCTV = Close Circuit Television SEO= Street Environment Officer**

### **Resources:**

There will be no additional resources deployed during the trial period. The dedicated sweeper (Mon-Fri 1500-0000, Sat-Sun 1300-2100) will be rescheduled to 1100-1900 and provided with an electronic trolley to enabling them to service the bins without breaching the Time Banding regulations. The Tidy Teams will be utilised to collect the bags from the sweeper and service the bins outside these hours.

### **Evaluation:**

For the trial to be considered a success there will need to be a significant increase in the KBT grading scores seen without an unacceptable increase in the amount of overflowing bins, incidents of staining and flytipping. Consideration will have to be given to any additional resources and costs incurred servicing the bins, maintaining the sweeping standards in the whole area, and dealing with staining or flytipping resulting from the bins.

If the trial is successful we will want to give further consider to the type and location of the bins, and we will need to work closely with TfL to ensure they work with their upcoming footway scheme.



# Appendix 1 – Trial Proposal

## Bishopsgate Bin Trial

Date	Initials
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Time	0400	0700	0900	1100	1300	1500	1700	1900	2230
Type	SEO	CCTV	SEO	SEO	CCTV	CCTV	SEO	SEO	SEO

Weather      

Sunny	
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Cloudy	
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Raining	
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North West (1-4)                      

A
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B
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C
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D
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South West (4-8)                      

A
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B
---

C
---

D
---

South East (9-15)                      

A
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B
---

C
---

D
---

North East (16-20)                      

A
---

B
---

C
---

D
---

Bin	O/F	Stain	Bin	O/F	Stain
<b>1</b>	<input type="text"/>	<input type="text"/>	<b>11</b>	<input type="text"/>	<input type="text"/>
<b>2</b>	<input type="text"/>	<input type="text"/>	<b>12</b>	<input type="text"/>	<input type="text"/>
<b>3</b>	<input type="text"/>	<input type="text"/>	<b>13</b>	<input type="text"/>	<input type="text"/>
<b>4</b>	<input type="text"/>	<input type="text"/>	<b>14</b>	<input type="text"/>	<input type="text"/>
<b>5</b>	<input type="text"/>	<input type="text"/>	<b>15</b>	<input type="text"/>	<input type="text"/>
<b>6</b>	<input type="text"/>	<input type="text"/>	<b>16</b>	<input type="text"/>	<input type="text"/>
<b>7</b>	<input type="text"/>	<input type="text"/>	<b>17</b>	<input type="text"/>	<input type="text"/>
<b>8</b>	<input type="text"/>	<input type="text"/>	<b>18</b>	<input type="text"/>	<input type="text"/>
<b>9</b>	<input type="text"/>	<input type="text"/>	<b>19</b>	<input type="text"/>	<input type="text"/>
<b>10</b>	<input type="text"/>	<input type="text"/>	<b>20</b>	<input type="text"/>	<input type="text"/>

Flytips     

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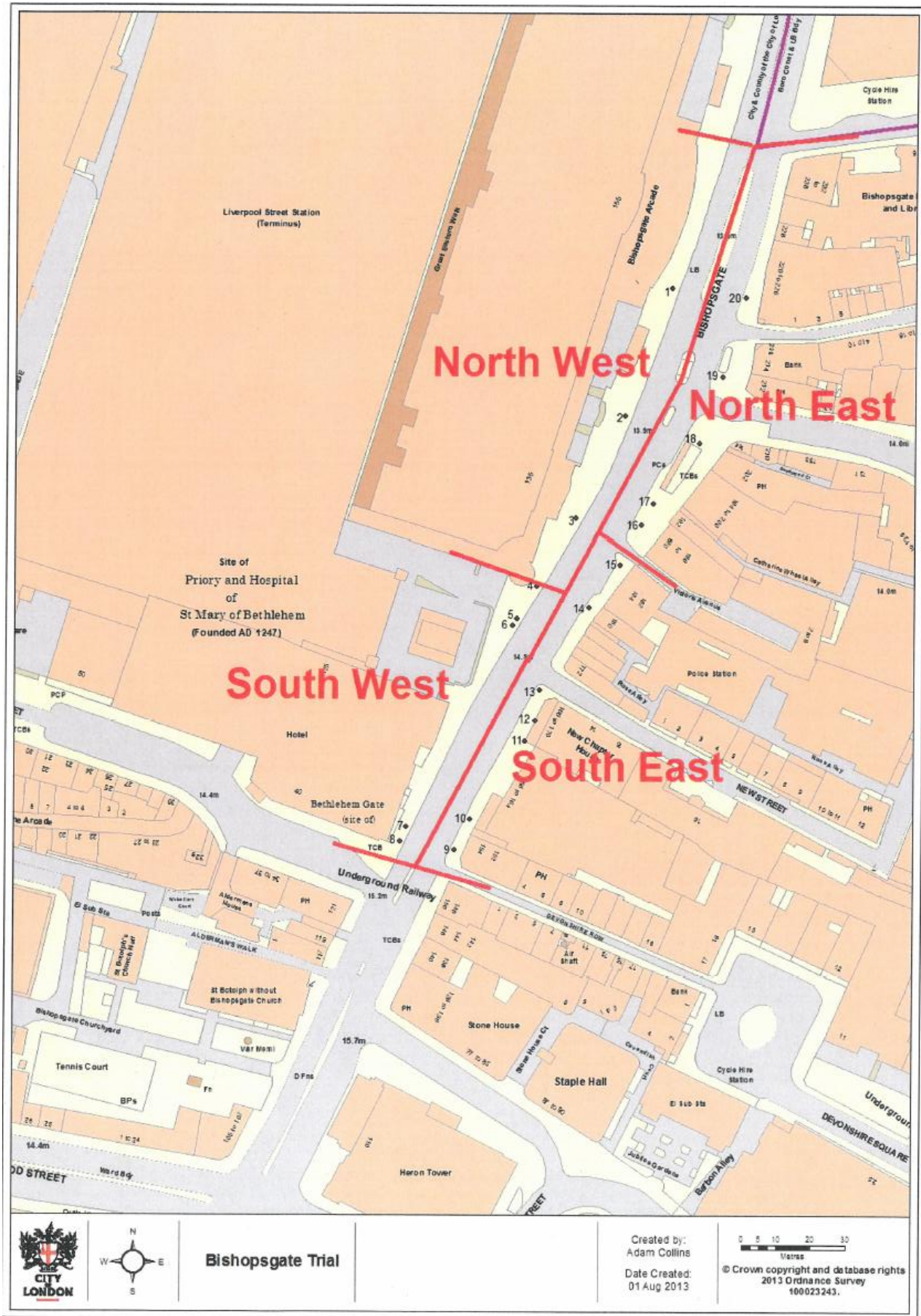


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## Appendix 1 – Trial Proposal

<b>Bin No.</b>	
	<b>Western Footway</b>
1	Opposite 222 Bishopsgate
2	Opposite Dirty Dicks
3	Opposite Victoria Avenue
4	Opposite KFC
5	Opposite Wrap
6	Opposite Wrap
7	Opposite 154 Bishopsgate
8	Opposite Devonshire Row
	<b>Eastern Footway</b>
9	Outside Spec Savers
10	Outside Bishopsgate Exchange
11	Outside Tesco's
12	By Bishopsgate Subway
13	By Bishopsgate Subway
14	By Krystal's Sweet Shop
15	Outside KFC
16	Outside Wasabi
17	By Bus Stop 186 Bishopsgate
18	Outside Dirty Dicks
19	By Nat West Bank
20	222 Bishopsgate

# Appendix 1 – Trial Proposal



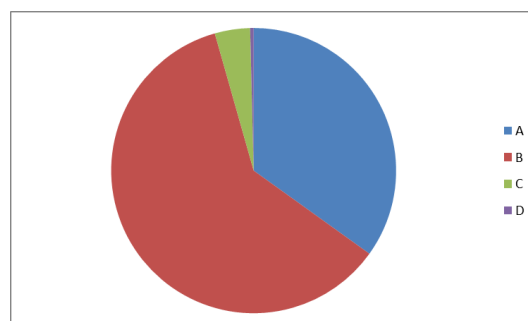
## Appendix 2 – Pre-trial Evaluation Initial Results

### Bishopsgate Bin Trial – week one results

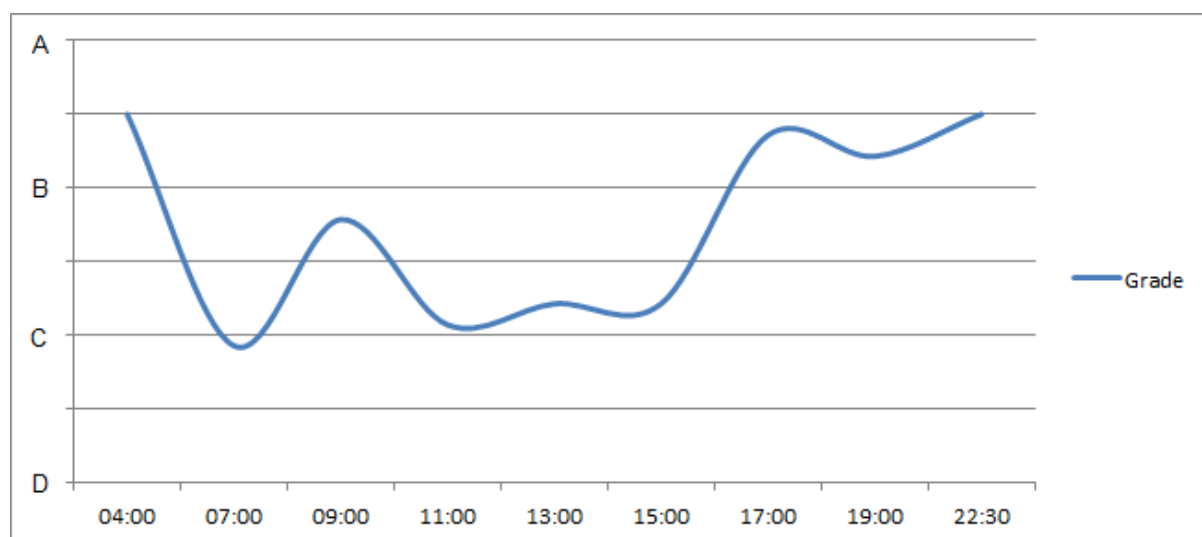
59 inspections carried out (4 transects per inspection = 236 transect inspections).

The weather was generally dry with sunny period and a few showers. Area surveyed was often a grade A (36%) but usually found to be a grade B (59.3%). Very occasionally a grade C was discovered (4.2%) and on only one occasion was a transect graded as a D.

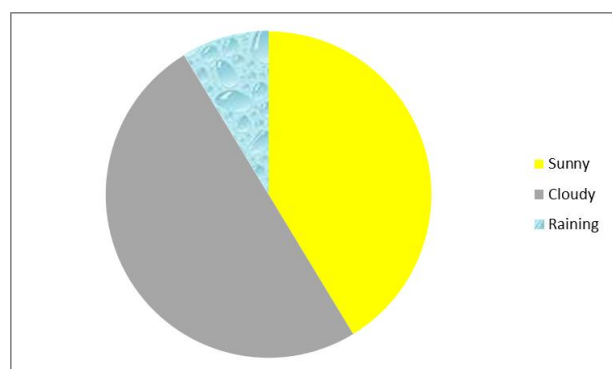
A	85	36.0%
B	140	59.3%
C	10	4.2%
D	1	0.5%



Average grade from week one throughout the day



Weather conditions



Flytips – 4 in total.

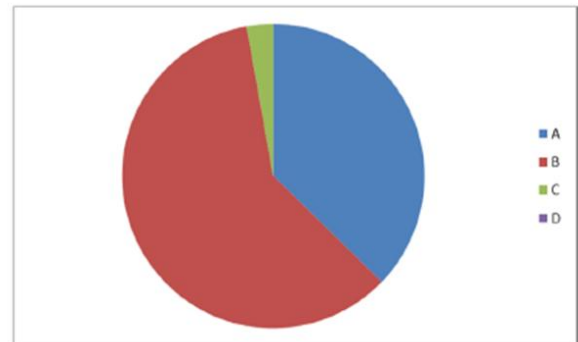
## Appendix 2 - Pre-trial Evaluation Initial Results

### Bishopsgate Bin Trial – week two results

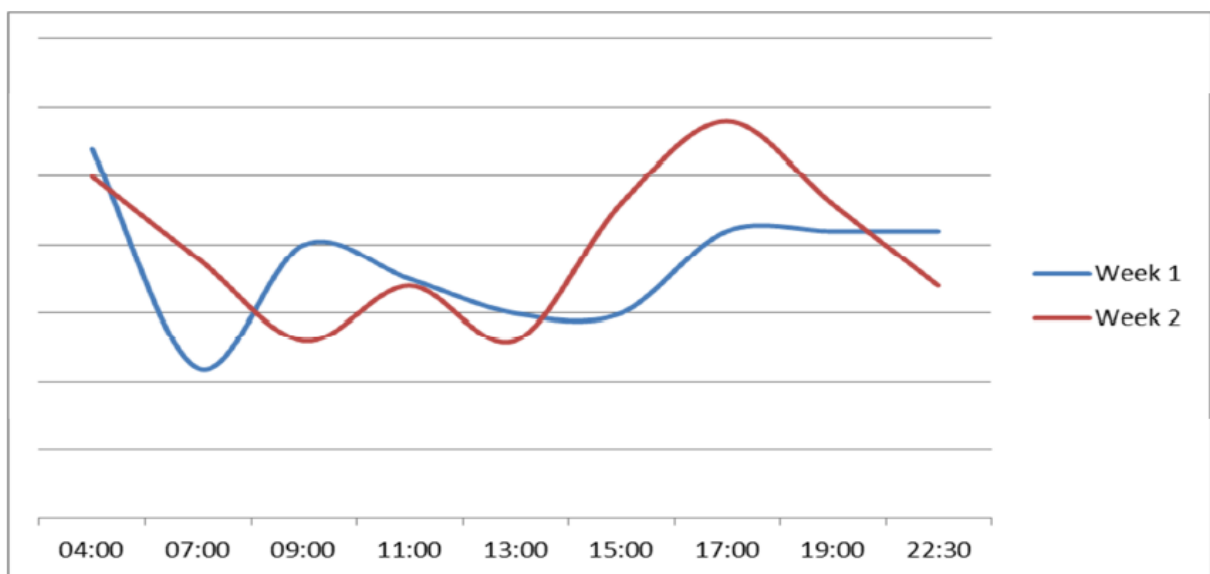
53 inspections carried out (4 transects per inspection = 212 transect inspections).

The weather was generally dry and cloudy with a few sunny periods and a few showers. Area surveyed was often a grade A (37.3%) but usually found to be a grade B (59.9%). Very occasionally a grade C was discovered (2.8%) and on no occasions was any transect graded as a D. These results are very similar to week one.

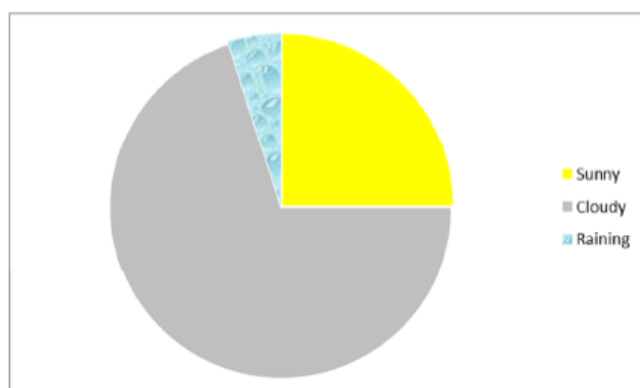
A	79	37.3%
B	127	59.9%
C	6	2.8%
D	0	0%



### Variation in average grade throughout the day



### Weather conditions



Flytips – 0 in total.



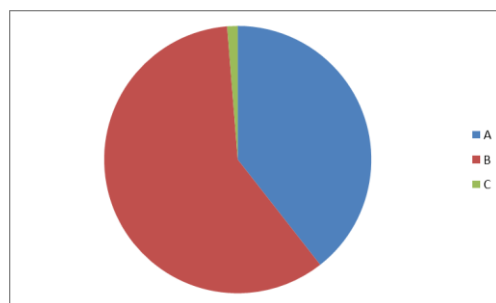
## Appendix 3 – Trial First Week (Second week to follow)

### Bishopsgate Bin Trial – week three results

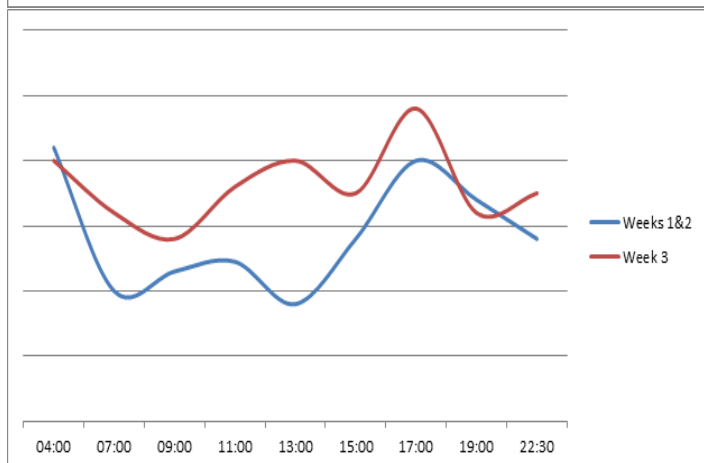
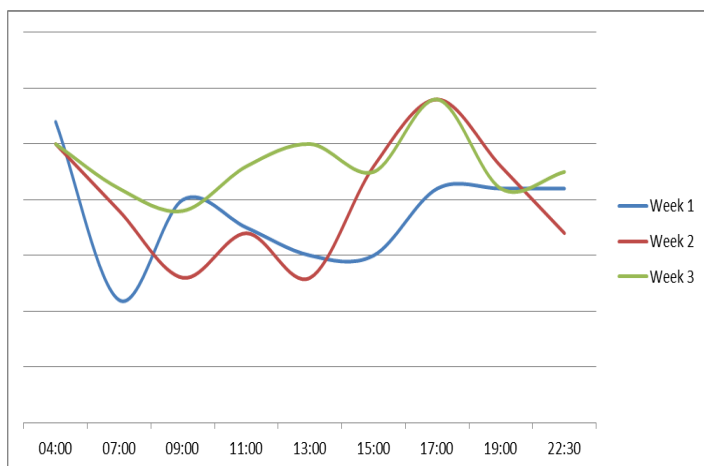
59 inspections carried out (4 transects per inspection = 236 transect inspections).

The weather was generally dry and sunny with rainy periods towards the end of the week. Area surveyed was often a grade A (39.4%) but usually found to be a grade B (59.3%). Very occasionally a grade C was discovered (1.3%) and on no occasion was any transect graded as a D. Overall these results show an improvement in the average grading during the middle of the day.

A	93	39.4%
B	140	59.3%
C	3	1.3%
D	0	0%



### Variation in average grade throughout the day



Flytips – 1 in total.

### Weather conditions

