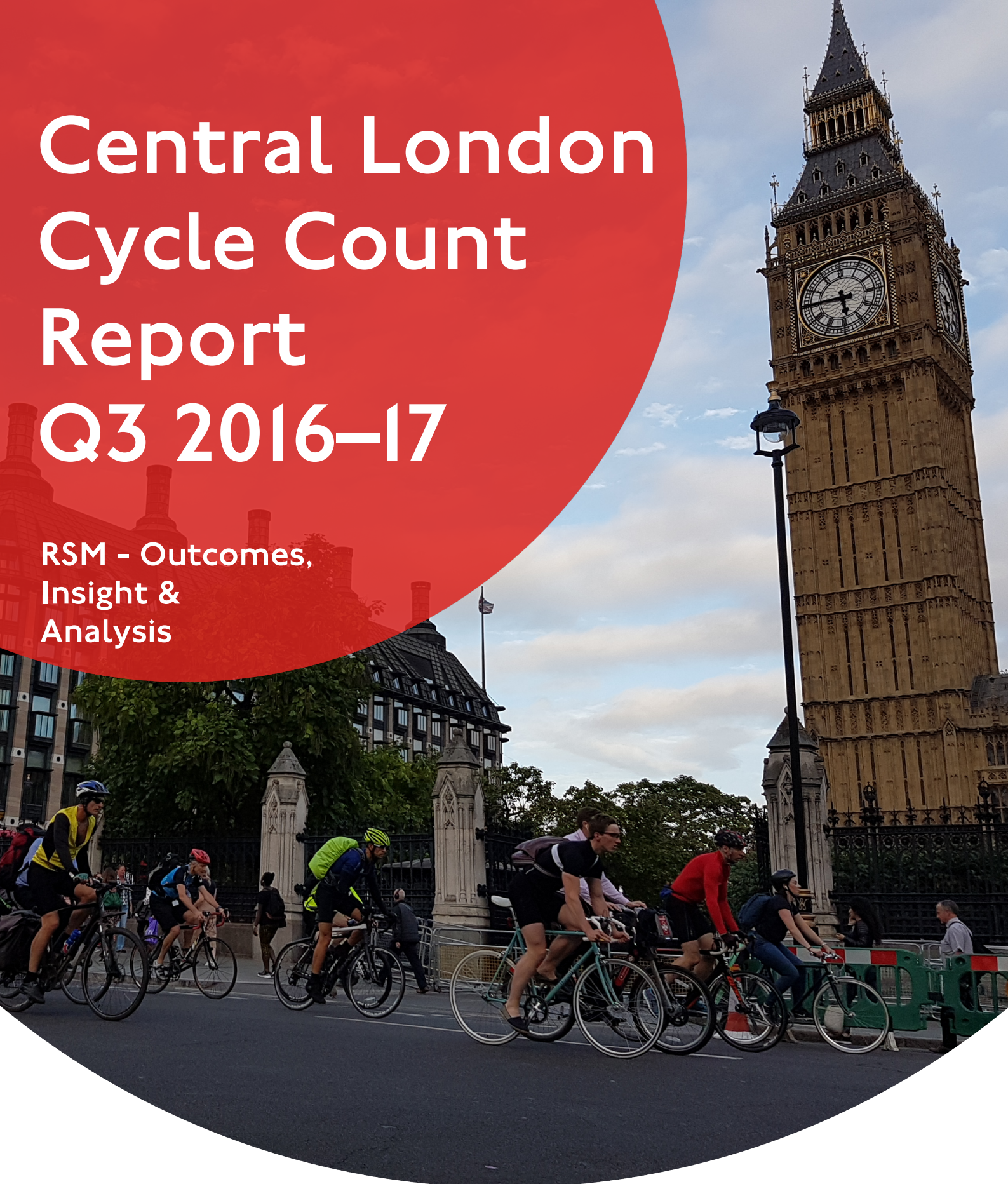


Central London Cycle Count Report Q3 2016–17

RSM - Outcomes,
Insight &
Analysis



EVERY JOURNEY MATTERS

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0.4 Document Summary
This note provides a summary of the Q3 2016/17 survey undertaken for the quarterly Central London area cycle counts. Comparisons are made with baseline which is represented by Q4 2013/14

0.5 Document History

Version	Date	Changes since previous issue
0.1	22/03/2017	1 st draft
0.2	27/03/2017	Comments from MO
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1.0	29/03/2017	Approved by AE

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Contents

0	Document Control	1
	Contents	2
	Tables	2
	Figures	2
1	Introduction	3
2	Q3 2016-17 survey results	4
3	Methodology for selecting panel of sites	12
3.1	The Central London base network for all links	12
3.2	Sampling methodology	14
3.3	Selection of individual count locations to create monitoring panel to represent Central London	16
4	Survey method and validation	19
	Appendix I – List of sites on monitoring panel with total cycles recorded for Q3 2016/17 survey (sorted in descending cycle flow order)	20

Tables

Table 1 – Quarterly trend in Central area average daily cycle kilometres travelled per kilometre on all networks by time of day	4
Table 2 – Central area total daily cycle flows on all networks by time of day (Q3 2016-17 results)	6
Table 3 – Central area total daily cycle flows by road class and cycle priority (Q3 2016-17 results)	8
Table 4 – Central area daily average total cycle flows split into normal cycles and cycle hire cycles by time of day (Q3 2016-17 results)	9
Table 5 – Central London base network by road class	12
Table 6 – Estimated total cycle flow population by road class and cycle priority type sample groups	15
Table 7 – Number of count point locations used to create monitoring panel to represent Central London	16

Figures

Figure 1 – Quarterly trend in Central area average daily cycle kilometres travelled per kilometre (KPI) on all networks	5
Figure 2 – Thematic map of Q3 2016-17 total daily cycle flows by site surveyed on Central area panel	11
Figure 3 – Geographical coverage of the Central London base network by road class	13
Figure 4 – Monitoring panel of sites selected to represent main road groups within Central London	17
Figure 5 – Monitoring panel of sites selected to represent minor road groups within Central London	17



1 Introduction

- I.1 Following consultation on Outcomes, Insight and Analysis' (OIA) review of cycle monitoring across London - TfL Group and Delivery Planning identified a key additional requirement to measure and report total cycle flow within Central London across all networks.
- I.2 A panel of sites were selected which represent a total cycling within the Central London. In Q4 of 2013-14 the first survey cycle was completed which forms the baseline period for this programme of counts. This metric is collected and reported quarterly, and this is updated report for the Q3 2016 -17 surveys. Fieldwork for the Q4 2017-18 survey cycle is currently being undertaken.
- I.3 The first section provides the detailed results for the Q3 2016 -17 survey cycle, representing total cycling within Central London by time of day and road class. Comparisons of the headline results are also provided against the Q4 2013-14 baseline. A trend comparison table and graph are provided for each survey cycle completed to date. The latter sections of the report provide a detailed methodology for the survey methodology used, including the site selection process.
- I.4 The headline KPI metric for this survey programme is the **Central London average 16 hour (6am to 10pm) total cycle kilometres travelled per kilometre per day** and represents total cycle flow in kilometres per kilometre of road network per day. For the Q3 2016 -17 survey this was measured as **1,190**, representing a **21%** increase compared to the Q4 2013 -14 baseline survey. In theory the statistic is a representation of all roads within Central London, in that if you did a survey of every single link in the base network you would achieve the same measure.
- I.5 The OIA team is responsible for data collection, validation, reporting processes and management of the database containing the survey data collected through this programme of counts. It is envisaged reporting of the quarterly KPI headline metric will be incorporated into the BMR reporting process, complementing the periodic cycle index for the TLRN.



2 Q3 2016-17 survey results

2.1 Table I below shows the quarterly trends in average daily cycle flows for the Central London area by peak period. Overall, the average total cycle kilometres travelled per kilometre per day within Central London across all networks for **Q3 2016-17** was **1,190**. This represents a 21% increase compared to the Q4 2013-14 baseline and 7% compared to the same quarter last year – Q3 2015-16. When compared to the previous quarter of 2016 (Q2 2016-17) a 13% decrease in rates in cycling have been observed which in part represents seasonal variation in cycling between summer and winter periods.

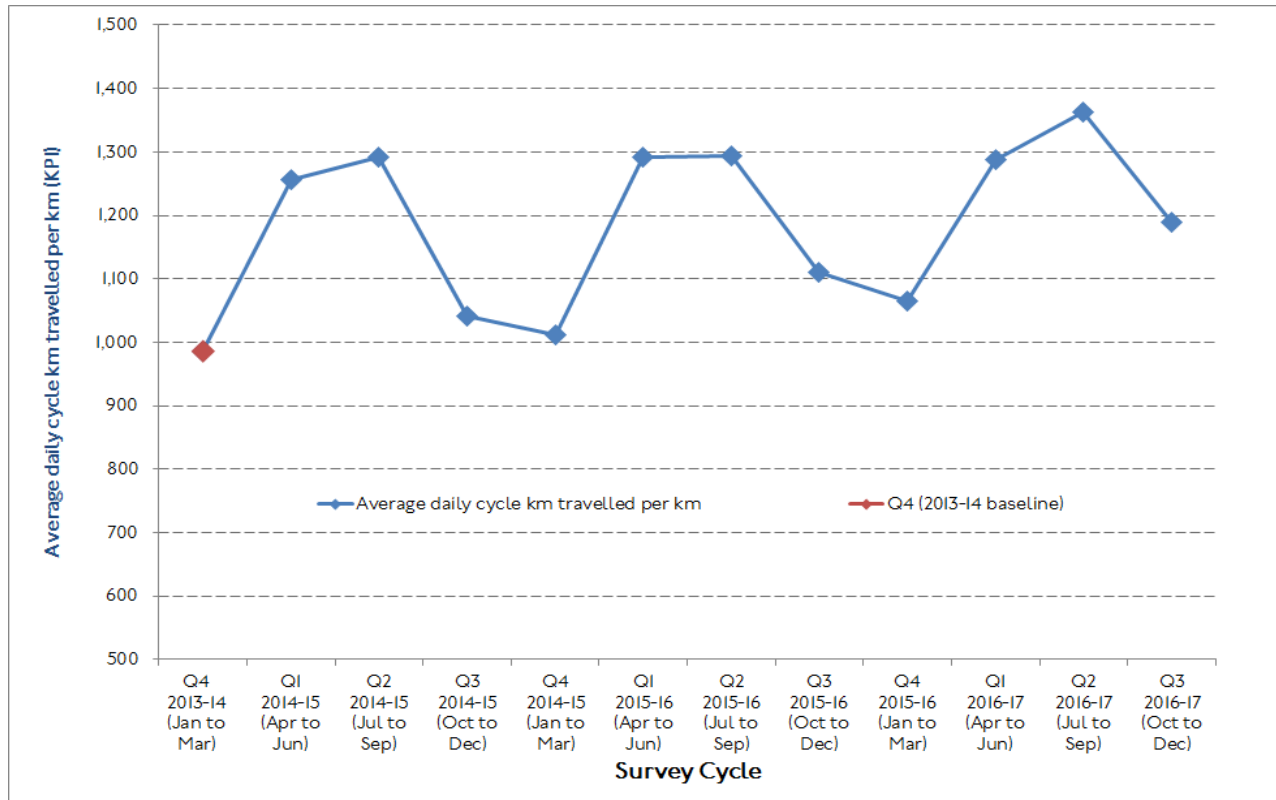
Table I – Quarterly trend in Central area average daily cycle kilometres travelled per kilometre on all networks by time of day

Survey Cycle	Central area average daily cycle kilometres travelled per kilometre					KPI Metric	
	Early Morning 6am to 7am	AM Peak 7am to 10am	Inter Peak 10am to 4pm	PM Peak 4pm to 7pm	Evening Peak 7pm to 10pm	All day (6am to 10pm)	
						Average daily cycle km travelled per km	% change over baseline
Q4 2013-14 (Baseline)	23	350	179	305	128	986	-
Q1 2014-15	33	419	247	381	175	1,255	27
Q2 2014-15	31	418	252	405	185	1,291	31
Q3 2014-15	23	351	206	320	141	1,042	6
Q4 2014-15	22	346	187	319	137	1,011	3
Q1 2015-16	32	439	235	408	178	1,291	31
Q2 2015-16	31	443	239	407	173	1,294	31
Q3 2015-16	24	380	210	345	151	1,110	13
Q4 2015-16	23	368	192	336	145	1,065	8
Q1 2016-17	32	432	227	417	180	1,287	31
Q2 2016-17	33	455	252	436	187	1,364	38
Q3 2016-17	26	408	226	369	160	1,190	21



2.2 Figure I overleaf shows the trend for the quarterly headline KPI metric - Central London average 16 hour (6am to 10pm) total cycle kilometres travelled per kilometre per day. The seasonal variations in cycling activity are shown, with the Q1 and Q2 surveys which take place in the spring and summer months showing relatively higher daily cycle flows.

Figure I – Quarterly trend in Central area average daily cycle kilometres travelled per kilometre (KPI) on all networks



2.3 Table 2 overleaf shows a breakdown of the Q3 2016-17 Central London total cycle flows on all networks disaggregated by time of day. For each time period representative figures are provided for the recorded total cycle kilometres travelled and the average cycle kilometres travelled per kilometre. For comparison purposes the measures are also presented as hourly rates.

2.4 Almost two-thirds of daily cycling kilometres travelled within Central London occurs in the AM and PM Peaks. The busiest hours are 8am to 9am in the morning peak, and 6pm to 7pm in the PM Peak.



Table 2 – Central area total daily cycle flows on all networks by time of day (Q3 2016-17 results)

		Number of cycles per day (6am to 10pm)						
		Q3 2016 -17 survey				Q4 2013-14 baseline survey		
		Total daily cycle kilometres travelled	Average daily cycle km travelled per km	% of all day total cycle flow		Average daily cycle km travelled per km	change over baseline	
Time of day		Total	per hour	Total	per hour	%	Total	%
Early morning	6am to 7am	10,729	10,729	26	26	2	23	16
AM peak	7am to 8am	36,688	36,688	90	90	8	75	20
	8am to 9am	79,087	79,087	194	194	16	171	14
	9am to 10am	50,631	50,631	124	124	10	105	19
	7am to 10am	166,406	55,469	408	136	34	350	16
Inter Peak	10am to 11am	18,396	18,396	45	45	4	35	30
	11am to 12pm	13,843	13,843	34	34	3	27	25
	12pm to 1pm	14,327	14,327	35	35	3	27	29
	1pm to 2pm	14,469	14,469	35	35	3	28	27
	2pm to 3pm	13,939	13,939	34	34	3	28	20
	3pm to 4pm	17,371	17,371	43	43	4	33	28
	10am to 4pm	92,344	15,391	226	38	19	179	27
	4pm to 7pm	150,647	50,216	369	123	31	305	21
PM peak	4pm to 5pm	26,179	26,179	64	64	5	52	23
	5pm to 6pm	57,172	57,172	140	140	12	116	21
	6pm to 7pm	67,296	67,296	165	165	14	137	20
Late Evening	7pm to 8pm	35,115	35,115	86	86	7	70	23
	8pm to 9pm	18,829	18,829	46	46	4	37	25
	9pm to 10pm	11,445	11,445	28	28	2	22	29
	7pm to 10pm	65,389	21,796	160	53	13	128	25
All day	6am to 10pm	485,516	30,345	1,190	74	100	986	21



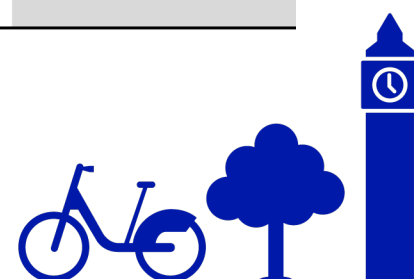
- 2.5 Table 3 overleaf provides the Q3 2016-17 Central London total cycle flows by road class and cycle priority. It shows that almost half of total daily cycle kilometres travelled within Central London occur on main roads classified as 'A', despite only making up 20% (83 km) of the cycling base network. Within the main road network, the highest rate of cycling is observed on the Cycle Superhighway routes with an average flow of over 232 cyclists per hour.

Overall in Q3 2016-17 cycling flows increased on all 'A' roads, 'B roads', 'Local streets', 'Minor roads' and MVF routes, which form the base network of Central London area. The highest growth in cycling rates in Q3 2016-17 was on Cycle Superhighway routes located within local streets base network.



Table 3 – Central area total daily cycle flows by road class and cycle priority (Q3 2016-17 results)

		Number of cycles per day (6am to 10pm)							
		Q3 2016-17 survey						Q4 2013-14 baseline survey	
Road class	Cycle priority	ITN Length Km	Total daily cycle kilometres travelled		Average daily cycle km travelled per km		% of total cycle flow %	Average daily cycle km travelled per km Total	change over baseline %
			Total	per hour	Total	per hour			
A roads	Cycle Superhighway (Phase 1)	4	15,446	965	3,704	232	3	3,452	7
	LCN(+)/NCR/ Greenway	40	147,457	9,216	3,676	230	30	2,884	27
	Other advisory (LC guide)	4	8,893	556	2,277	142	2	2,438	(7)
	None	35	70,481	4,405	2,013	126	15	1,706	18
	All networks	83	242,277	15,142	2,912	182	50	2,395	22
B roads	LCN(+)/NCR/ Greenway	14	23,152	1,447	1,631	102	5	1,303	25
	Other advisory (LC guide)	2	1,007	63	458	29	0	1,328	(66)
	None	4	2,340	146	644	40	0	733	(12)
	All networks	20	26,499	1,656	1,323	83	5	1,202	10
Minor roads	LCN(+)/NCR/ Greenway	22	37,757	2,360	1,682	105	8	1,436	17
	Other advisory (LC guide)	7	4,442	278	634	40	1	648	(2)
	None	7	8,342	521	1,161	73	2	968	20
	All networks	37	50,541	3,159	1,379	86	10	1,194	16
Local Streets	Cycle Superhighway (Phase 1)	1	2,060	129	1,938	121	0	1,137	70
	LCN(+)/NCR/ Greenway	55	59,967	3,748	1,099	69	12	962	14
	Other advisory (LC guide)	26	18,036	1,127	695	43	4	546	27
	None	178	74,293	4,643	416	26	15	331	26
	All networks	260	154,356	9,647	594	37	32	488	22
Motor vehicle free	All networks	8	11,842	740	1,449	91	2	991	46
All networks within Central Area (6am to 10pm)		408	485,516	30,345	1,190	74	100	986	21



2.6 Table 4 below shows the proportion of average daily cycle hire bikes to standard cycle flows within the Central London area by time of day. Across the whole day the proportion of cycle hire cycles to normal cycles is 1:8, with cycle hire cycles contributing 11.6% of total cycle kilometres travelled within Central London.

Table 4 – Central area daily average total cycle flows split into normal cycles and cycle hire cycles by time of day (Q3 2016-17 results)

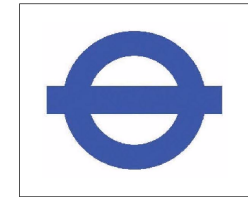
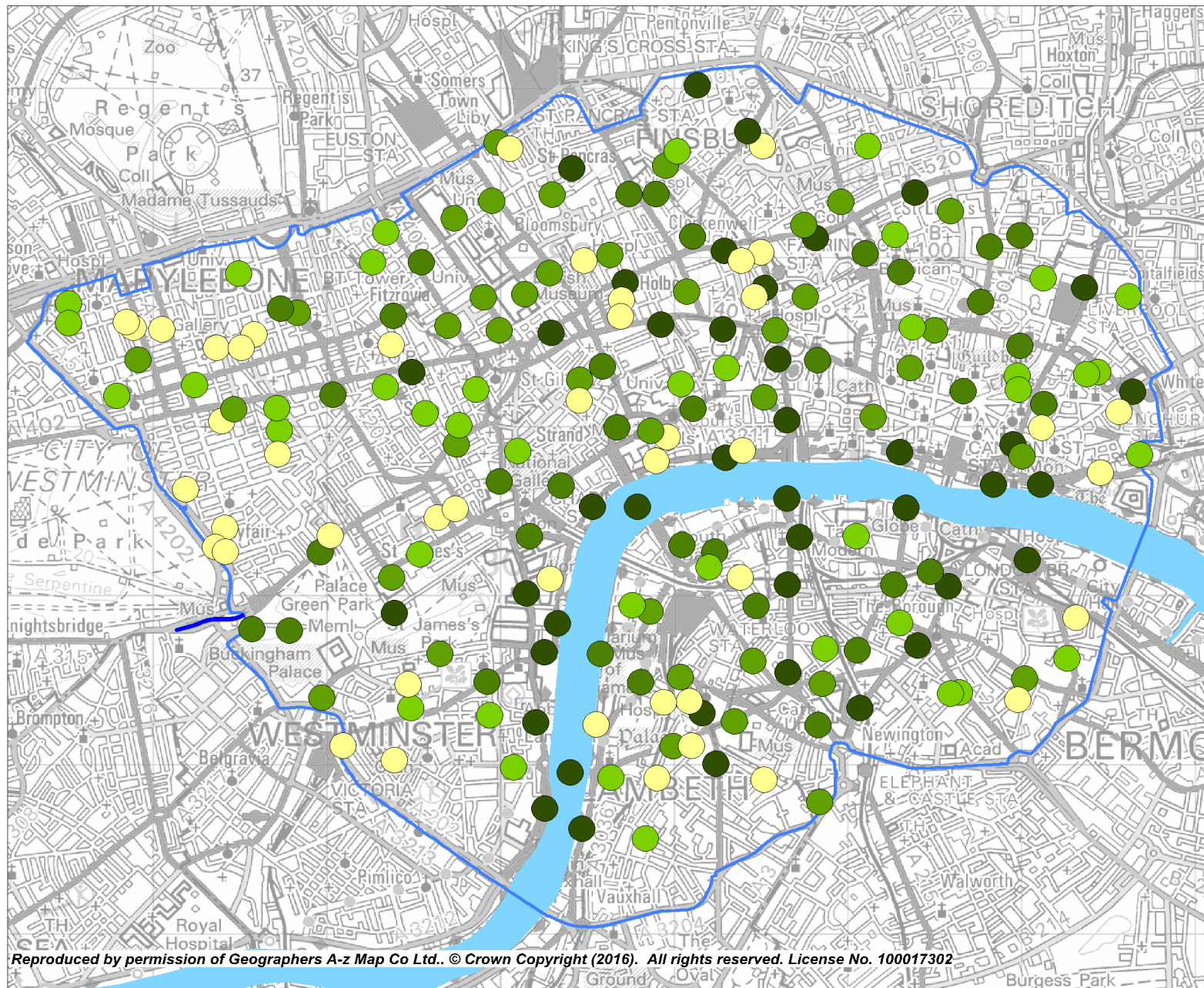
		Q3 2016 -17 survey					Q4 2013-14 baseline survey			
		Average daily cycle km travelled per km			Proportion of total cycles		Average daily cycle km travelled per km		Percentage change over baseline	
Time of day		Normal Cycles	Cycle Hire	Total Cycles	Normal Cycles	Cycle Hire	Normal Cycles	Cycle Hire	Normal Cycles	Cycle Hire
Early morning	6am to 7am	24	3	26	89.9	10.1	20	2	16.0	20.3
	7am to 8am	79	11	90	87.8	12.2	67	8	18.3	30.7
AM peak	8am to 9am	171	23	194	88.1	11.9	153	18	11.9	27.6
	9am to 10am	110	14	124	88.9	11.1	95	10	15.9	44.3
	7am to 10am	360	48	408	88.3	11.7	314	36	14.5	32.8
	10am to 11am	39	6	45	86.6	13.4	31	3	24.5	78.7
Inter Peak	11am to 12pm	29	5	34	86.6	13.4	24	3	23.8	32.6
	12pm to 1pm	30	5	35	84.7	15.3	23	4	26.7	42.4
	1pm to 2pm	30	5	35	85.5	14.5	24	4	26.4	30.7
	2pm to 3pm	29	5	34	85.7	14.3	25	4	18.5	32.6
	3pm to 4pm	37	6	43	87.0	13.0	29	4	26.3	36.3
	10am to 4pm	195	32	226	86.1	13.9	157	22	24.4	41.6
	4pm to 5pm	56	8	64	87.0	13.0	46	6	21.5	31.4
PM peak	5pm to 6pm	123	17	140	88.1	11.9	103	13	19.7	31.5
	6pm to 7pm	149	16	165	90.4	9.6	127	11	17.9	45.8
	4pm to 7pm	328	41	369	89.0	11.0	276	30	19.2	36.7
Late Evening	7pm to 8pm	78	8	86	90.9	9.1	65	5	21.3	46.9
	8pm to 9pm	41	5	46	89.7	10.3	34	3	23.1	49.1
	9pm to 10pm	26	2	28	91.4	8.6	20	2	31.1	11.3
	7pm to 10pm	145	15	160	90.6	9.4	118	11	23.4	40.3
All day	6am to 10pm	1,052	138	1,190	88.4	11.6	885	101	18.9	36.4



- 2.7 Appendix I on page 12 provides a list of the 200 individual sites surveyed that represent total cycling within Central London, along with the total number of cycles recorded during the 6am to 10pm survey period. The table is sorted in descending order with the highest cycle flow sites at the top. It shows that the highest cycle flow sites are predominately on main roads, with the top 4 recording daily cycle flows of over 8,000 per day in both directions. Figure 2 on page 11 provides a thematic map showing the total daily cycle flow at each site surveyed on the Central area panel.



Figure 2– Thematic map of Q3 2016-17 total daily cycle flows by site surveyed on Central area panel.



**Road Space
Management
Outcomes, Insight
& Analysis**

**Total Cycles
(6am to 10pm)**

- 3,000 +
- 2,000 to 3,000
- 1,000 to 2,000
- 500 to 1,000
- 0 to 500

3 Methodology for selecting panel of sites

3.1 The Central London base network for all links

3.1.1 In order to measure the total cycle flow across all links we have created a Central London base network. This includes all links where cycle trips are permitted, and includes all major roads, minor roads, local/residential streets and motor vehicle free routes. Central London for the purpose of this KPI equates to the area contained by the Congestion Charging Zone. Table 5 below summarises the base network in terms of number of links and length of network, grouped by roads class. It is mainly based on the Integrated Transport Network (ITN).

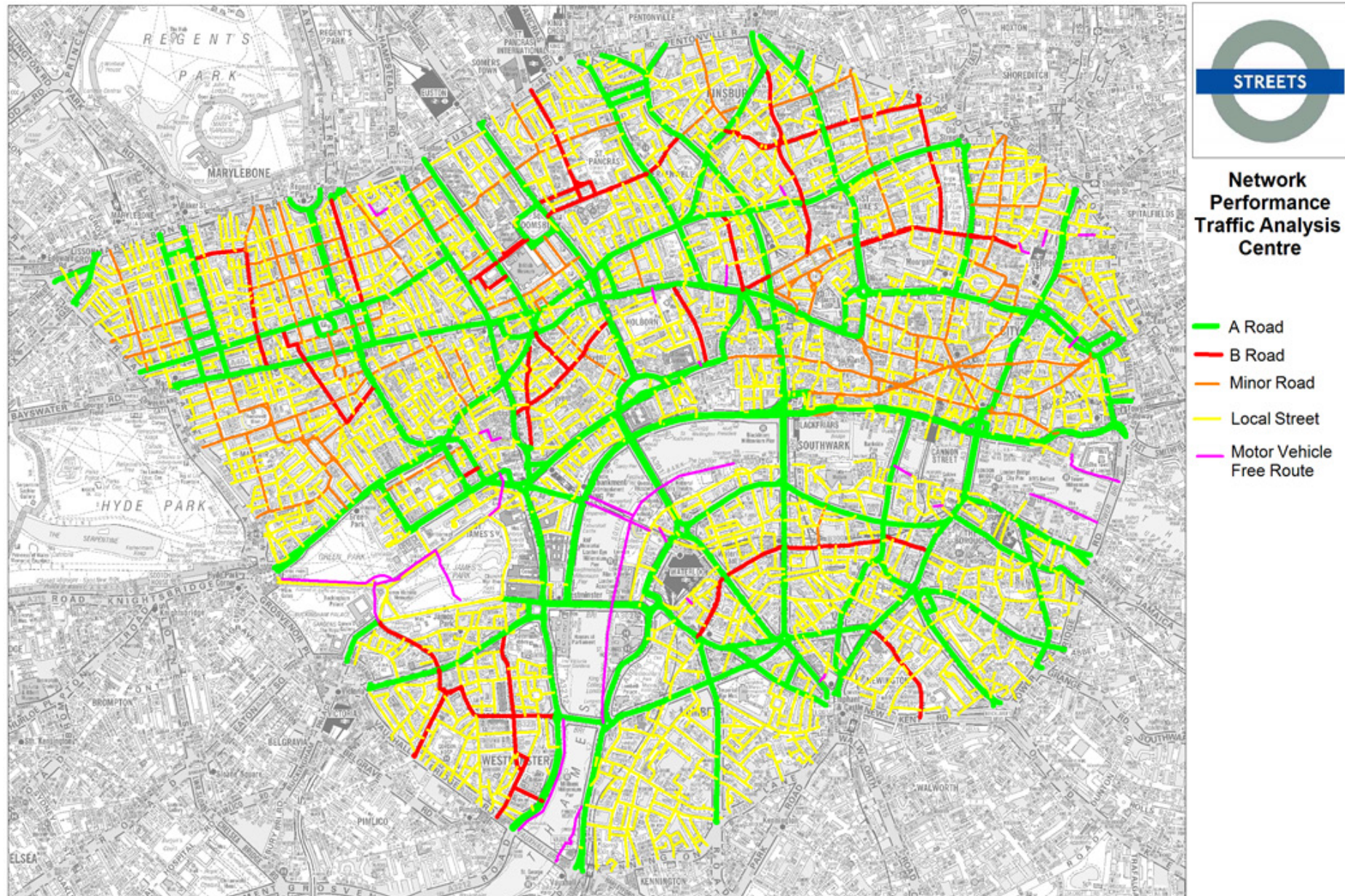
Table 5 – Central London base network by road class

Road class	Number of links	Length (metres)	Length (Km)	Length proportion (%)
A Road	1992	101,934	101.9	23.7
B Road	406	20,581	20.6	4.8
Minor Road	839	38,092	38.1	8.9
Local Street	4361	260,586	260.6	60.7
MVF	31	8,175	8.2	1.9
Totals	7629	429,368	429.4	100.0

3.1.2 Figure 3 on the next page provides a map showing the geographical coverage of the Central London base network by road class.



Figure 4– Geographical coverage of the Central London base network by road class



3.2 Sampling methodology

- 3.2.1 With over 7,000 individual links and over 400km of network it is clearly not feasible or cost effective to measure the cycle flow on every link to derive the total cycle flow for Central London. Therefore it was proposed that a representative sample of monitoring sites at which cycle volumes are regularly measured will be used to estimate and report the total cycle flow for Central London for all networks.
- 3.2.2 A stratified sample approach was used to create a panel of representative monitoring sites which reflect the overall cycle flow population within Central London. In order to achieve this we split the Central London base network into 17 sample groups and estimated the cycle flow population for each. The sample groups were made up of splitting each road class type into further sub categories of cycle priority including:
- (i) Barclays Cycle Superhighways routes;
 - (ii) London Cycle Network, London Cycle Network +, National Cycle Network, and Greenway routes;
 - (iii) Other advisory routes (LC guide); and
 - (iv) Routes with no cycle priority
- 3.2.3 To estimate the cycle flow population for each sample group we have made maximum use of all existing cycle counts available to OIA. For major road links the DfT National Road Traffic Classified link counts have been used to estimate cycle flow population giving 100% network representation. For all other networks all appropriate cordon, screenline, adhoc and cycle grid counts have been used where possible to estimate the cycle flow population. As shown in Table 6 on the next page existing counts give reasonable coverage for most of the sample groups, however we should consider commissioning additional surveys for sample groups with low or no representation from existing cycle count data to further improve the accuracy for estimating total cycle flow population.
- 3.2.4 Table 6 on the next page shows a summary of the estimated total cycle flow population for each sample group. It also shows the proportion of total cycle flow for each sample group, with the highest group being 'A' roads with LCN, LCN+, NCR and Greenways cycle priority which carry over 30% of the total cycle flow within Central London. These sample group weighting proportions were used in the process for selecting specific monitoring locations which make up the panel of sites that represent total cycle flow for Central London (*See Section 1.5 for further details of this process*). This ensures that the sample groups with a higher proportion of cycle flow are represented by a greater number of sites.
- 3.2.5 Table 6 also shows that the estimated daily average 12 hour total cycle kilometres travelled per kilometre for Central London across all networks is 768.6.



Table 6 – Estimated total cycle flow population by road class and cycle priority type sample groups

SAMPLE GROUPS		Network statistics		Existing cycle counts*					Estimated cycle flow population	
Road class	Cycle priority type	Number of links	Length (Km)	No of locations surveyed	Length of network covered	% of network covered	Avg 12 hour total flow per day	Avg 12 hour total km travelled per km per day	Cycle flow population (Avg 12hr cycle km travelled per day)	% of total cycle flow population
A Road	Barclays Cycle Superhighway	100	5.2	12	5.2	100	NR	1,928	10,009	3.0
	LCN/LCN+/NCR/ Greenway	1046	50.3	82	50.3	100	NR	2,004	100,767	30.5
	Other advisory (LC guide)	91	4.6	7	4.6	100	NR	1,235	5,672	1.7
	None	755	41.9	79	41.9	100	NR	1,080	45,231	13.7
B Road	LCN/LCN+/NCR/ Greenway	294	14.7	48	12.4	84	1,091	1,193	17,541	5.3
	Other advisory (LC guide)	49	2.2	6	1.7	74	926	780	1,739	0.5
	None	63	3.6	9	2.3	63	555	583	2,120	0.6
Minor Road	LCN/LCN+/NCR/ Greenway	534	23.5	67	14.5	62	1,462	1,467	34,517	10.5
	Other advisory (LC guide)	148	7.0	13	3.4	48	516	531	3,720	1.1
	None	157	7.6	21	5.0	66	459	588	4,444	1.3
Local Street	Barclays Cycle Superhighway	21	1.1	2	0.2	22	1,751	1,999	2,125	0.6
	LCN/LCN+/NCR/ Greenway	960	54.8	92	16.5	30	686	761	41,686	12.6
	Other advisory (LC guide)	447	26.0	23	3.7	14	482	445	11,569	3.5
	None	2933	178.7	81	12.2	7	255	255	45,587	13.8
MVF	Barclays Cycle Superhighway	1	0.1	0	0.0	0	0	0	0	0.0
	LCN/LCN+/NCR/ Greenway	23	7.1	3	1.3	18	145	189	1,348	0.4
	Other advisory (LC guide)	7	1.0	2	0.4	41	1,385	1,970	1,920	0.6
Totals		7629	429.4						329,996	100.0

Estimated Central London Average 12 hour total cycle km travelled per km per day on all networks = 768.6

3.3 Selection of individual count locations to create monitoring panel to represent Central London

3.3.1 Following consultation on the original monitoring proposal it was decided that a representative panel of 200 individual sites would be created to monitor total cycling within Central London. Table 7 below shows the proposed options for varying the number of count point locations used to create the monitoring panel to represent Central London. The number of count point locations is weighted for each sample group.

Table 7 – Number of count point locations used to create monitoring panel to represent Central London.

SAMPLE GROUPS		% of total cycle flow population	Number of count point locations used to create monitoring panel to represent Central London				
Road class	Cycle priority type		50 count points	100 count points	150 count points	200 count points	400 count points
A Road	Barclays Cycle Superhighway	3.0	2	3	5	6.1	12
	LCN/LCN+/NCR/ Greenway	30.5	15	31	46	61.1	122
	Other advisory (LC guide)	1.7	1	2	3	3.4	7
	None	13.7	7	14	21	27.4	55
B Road	LCN/LCN+/NCR/ Greenway	5.3	3	5	8	10.6	21
	Other advisory (LC guide)	0.5	0	1	1	1.1	2
	None	0.6	0	1	1	1.3	3
Minor Road	LCN/LCN+/NCR/ Greenway	10.5	5	10	16	20.9	42
	Other advisory (LC guide)	1.1	1	1	2	2.3	5
	None	1.3	1	1	2	2.7	5
Local Street	Barclays Cycle Superhighway	0.6	0	1	1	1.3	3
	LCN/LCN+/NCR/ Greenway	12.6	6	13	19	25.3	51
	Other advisory (LC guide)	3.5	2	4	5	7.0	14
	None	13.8	7	14	21	27.6	55
MVF	Barclays Cycle Superhighway	0.0	0	0	0	0.0	0
	LCN/LCN+/NCR/ Greenway	0.4	0	0	1	0.8	2
	Other advisory (LC guide)	0.6	0	1	1	1.2	2
Totals		100.0	50	100	150	200	400

3.3.2 For the 200 count points, individual monitoring locations within each sample group were selected using random selection split across 4 geographical quadrant areas. As the population cycle flow is known for all individual 'A' road links, cycle flow stratification was applied when allocating the number of monitoring locations for each 'A' road sample group to each quadrant. For the minor road classes network coverage length was used to allocate the number of monitoring locations for each sample group to each quadrant. During the selection process a mixture of low, medium and high cycle flow sites were selected within each sample group, ensuring their flow distribution represented estimated overall cycle flow population for each sample group. Figure 4 and Figure 5 on the following pages provide a map of the sites selected for (i) main roads and (ii) minor roads.



Figure 5 – Monitoring panel of sites selected to represent main road groups within Central London



Figure 6 – Monitoring panel of sites selected to represent minor road groups within Central London



3.4 Calculation of measurement to be reported

- 3.4.1 The Central London Cycle Flow for all networks is reported as the average cycle kilometres travelled per kilometre per day. For each survey cycle this is calculated by monitoring and measuring the daily average cycle flow in each sample group and weighting by length of overall network to produce a single aggregate statistic which represents all networks within the Central Area. This can be reported as a daily statistic or by peak period. *In theory the statistic is a representation of all roads, in that if you did a survey of every single link in the base network you would achieve the same measure.*

4 Survey method and validation

- 4.1 Fieldwork is undertaken by the TfL Traffic survey team predominately using manual counting techniques. Each site is surveyed once during each quarterly survey cycle. Counts are undertaken during weekdays only, outside of schools holidays and any unusual events such as a tube strike. Counts for each site covering the 6am to 10pm period are undertaken over a minimum of 2 separate days. Count data will be captured and recorded by 15 minute intervals and direction, with separate categories for normal cycles and cycle hire bikes. A survey programme has been designed for 2014/15, with an even number of locations surveyed in each month. In future years the survey programme will ensure that the months an individual location is surveyed will remain fixed. It is envisaged that once established some of the sites selected to represent the monitoring panel can be upgraded to be covered by an Automatic Cycle Counter (ACC). In the longer term this will reduce the cost of the survey programme, but careful consideration will be required to select suitable sites for upgrade.
- 4.2 Validation checks carried out by the OIA monitoring team include:
- (i) Fieldwork data is keyed twice (double punched)
 - (ii) Check all sites have been surveyed in all directions, and every 15 minute period
 - (iii) For each site, direction and 15 minute period check that the number of cycle hire bikes do not exceed the number of normal bikes. Consider whether exceptions to this are acceptable due to nature of site.
 - (iv) For each site and direction check on proportion of 15 minute count compared to the all day 6am to 10pm total.
 - (v) Total for each site and direction compared to a baseline total. Total is also compared to previous survey totals.
 - (vi) Survey dates are checked to ensure they have not been surveyed on unexpected days
 - (vii) Overall sense check on aggregated results.
 - (viii) Validated results are finalised and loaded into a database.



Appendix 1 – List of sites on monitoring panel with total cycles recorded for Q3 2016/17 survey (sorted in descending cycle flow order)

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
29	Victoria Embankment (West of Temple Avenue at Temple Avenue bus stop)	A road	LCN/LCN+/NCR/Greenway	11288	1284	12572
30	Blackfriars Bridge	A road	LCN/LCN+/NCR/Greenway	8727	1549	10276
31	London Bridge	A road	LCN/LCN+/NCR/Greenway	8885	588	9473
13	Victoria Embankment (by Cleoppatras Needle)	A road	LCN/LCN+/NCR/Greenway	8304	924	9228
44	New Bridge Street	A road	LCN/LCN+/NCR/Greenway	7638	957	8595
29	Victoria Embankment (West of Temple Avenue at Temple Avenue bus stop)	A road	LCN/LCN+/NCR/Greenway	7943	645	8588
49	Farringdon Street	A road	LCN/LCN+/NCR/Greenway	6917	648	7565
17	Waterloo Bridge	A road	LCN/LCN+/NCR/Greenway	6422	789	7211
14	Victoria Embankment (Between Derby Gate and Westminster Bridge)	A road	LCN/LCN+/NCR/Greenway	6402	590	6992
19	Bridge Street	A road	LCN/LCN+/NCR/Greenway	5613	683	6296

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
39	Gracechurch Street	A road	LCN/LCN+/NCR/Greenway	5820	305	6125
15	Millbank (north of Great Peter Street)	A road	LCN/LCN+/NCR/Greenway	5571	348	5919
52	Theobald's Road	A road	LCN/LCN+/NCR/Greenway	5093	497	5590
47	Clerkenwell Road (west)	A road	LCN/LCN+/NCR/Greenway	4970	599	5569
32	Borough High Street	A road	LCN/LCN+/NCR/Greenway	5288	166	5454
83	Borough High Street	A road	None	4992	187	5179
89	Old Street	A road	None	4640	419	5059
66	Farringdon Road	A road	LCN/LCN+/NCR/Greenway	4649	341	4990
88	Clerkenwell Road (east)	A road	None	4340	431	4771
56	Bloomsbury Way	A road	LCN/LCN+/NCR/Greenway	4350	324	4674
2	Bishopsgate	A road	Cycle Superhighway (Phase I)	4155	340	4495
1	Millbank (South of Thorney Street)	A road	Cycle Superhighway (Phase I)	4034	209	4243
87	Lower Thames Street	A road	None	3718	480	4198

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
23	Kennington Road (north)	A road	LCN/LCN+/NCR/Greenway	4050	145	4195
3	Southwark Bridge	A road	Cycle Superhighway (Phase I)	3625	559	4184
28	Blackfriars Road	A road	LCN/LCN+/NCR/Greenway	3826	313	4139
121	Claremont Square	Minor Road	LCN/LCN+/NCR/Greenway	4011	116	4127
139	The Mall	Local Street	LCN/LCN+/NCR/Greenway	3616	449	4065
61	Oxford Street (east)	A road	LCN/LCN+/NCR/Greenway	3716	308	4024
43	Holborn	A road	LCN/LCN+/NCR/Greenway	3383	638	4021
5	Tooley Street	A road	Cycle Superhighway (Phase I)	3533	255	3788
6	Southwark Bridge Road (between Flat Iron Sq and America Street)	A road	Cycle Superhighway (Phase I)	3461	206	3667
40	Blackfriars Road	A road	LCN/LCN+/NCR/Greenway	3383	192	3575
41	Newgate Street	A road	LCN/LCN+/NCR/Greenway	2928	642	3570
25	Kennington Road (south of Brook Drive)	A road	LCN/LCN+/NCR/Greenway	3388	168	3556
50	Aldgate High Street	A road	LCN/LCN+/NCR/Greenway	3226	264	3490

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
7	Albert Embankment (South of Salamanca Street)	A road	LCN/LCN+/NCR/Greenway	3161	257	3418
16	Lambeth Bridge	A road	LCN/LCN+/NCR/Greenway	3053	343	3396
86	Upper Thames Street	A road	None	3056	279	3335
42	High Holborn	A road	LCN/LCN+/NCR/Greenway	2828	365	3193
85	Newington Causeway	A road	None	3037	111	3148
35	Southwark Street	A road	LCN/LCN+/NCR/Greenway	2518	618	3136
9	Charing Cross Road	A road	LCN/LCN+/NCR/Greenway	2894	217	3111
114	Regent Square	Minor Road	LCN/LCN+/NCR/Greenway	2708	374	3082
55	Aldwych	A road	LCN/LCN+/NCR/Greenway	2736	295	3031
65	Mortimer Street	A road	LCN/LCN+/NCR/Greenway	2686	334	3020
11	Whitehall (south of Horse Guards Avenue)	A road	LCN/LCN+/NCR/Greenway	2733	253	2986
45	Strand (east)	A road	LCN/LCN+/NCR/Greenway	2593	392	2985
126	Prince's Street	Minor Road	LCN/LCN+/NCR/Greenway	2769	188	2957

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
68	Rosebery Avenue (north)	A road	Other advisory (LC guide)	2828	102	2930
99	The Cut	B roads	LCN/LCN+/NCR/Greenway	2621	267	2888
53	City Road	A road	LCN/LCN+/NCR/Greenway	2584	205	2789
34	London Road	A road	LCN/LCN+/NCR/Greenway	2739	44	2783
46	Rosebery Avenue (south)	A road	LCN/LCN+/NCR/Greenway	2600	130	2730
143	Constitution Hill	Local Street	LCN/LCN+/NCR/Greenway	2237	428	2665
12	Westminster Bridge	A road	LCN/LCN+/NCR/Greenway	2327	326	2653
117	Montague Street	Minor Road	LCN/LCN+/NCR/Greenway	2232	401	2633
60	Tottenham Court Rd (S)	A road	LCN/LCN+/NCR/Greenway	2377	227	2604
199	Green Park (Cycle Lane only)	MVF	All	1812	773	2585
80	Stamford Street	A road	None	1947	629	2576
104	Calthorpe Street	B roads	LCN/LCN+/NCR/Greenway	2264	180	2444
107	Beech St	B roads	LCN/LCN+/NCR/Greenway	1928	464	2392

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
136	Snow Hill / West Smithfield	Minor Road	None	1993	356	2349
149	Upper Ground	Local Street	LCN/LCN+/NCR/Greenway	1723	626	2349
18	Victoria Street	A road	LCN/LCN+/NCR/Greenway	1947	375	2322
70	Haymarket & Regent Street combined	A road	Other advisory (LC guide)	2017	182	2199
54	Kingsway	A road	LCN/LCN+/NCR/Greenway	1966	218	2184
48	Moorgate	A road	LCN/LCN+/NCR/Greenway	1933	194	2127
26	Westminster Bridge Road	A road	LCN/LCN+/NCR/Greenway	1791	303	2094
8	Strand	A road	LCN/LCN+/NCR/Greenway	1828	245	2073
119	Torrington Place	Minor Road	LCN/LCN+/NCR/Greenway	1765	303	2068
58	Bloomsbury Street	A road	LCN/LCN+/NCR/Greenway	1838	230	2068
123	Cannon Street	Minor Road	LCN/LCN+/NCR/Greenway	1781	277	2058
64	Wigmore Street	A road	LCN/LCN+/NCR/Greenway	1882	170	2052
63	Regent Street	A road	LCN/LCN+/NCR/Greenway	1920	127	2047

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
90	Goswell Road (north)	A road	None	1761	270	2031
27	Waterloo Road	A road	LCN/LCN+/NCR/Greenway	1954	76	2030
84	Southwark Street	A road	None	1698	316	2014
127	Paul Street	Minor Road	LCN/LCN+/NCR/Greenway	1782	221	2003
21	Buckingham Palace Road	A road	LCN/LCN+/NCR/Greenway	1776	217	1993
193	Temple Avenue	Local Street	None	1860	132	1992
137	Churchyard Row	Local Street	Cycle Superhighway (Phase I)	1883	55	1938
96	Kings Cross Road	A road	None	1762	167	1929
4	Southwark Bridge Road	A road	Cycle Superhighway (Phase I)	1710	139	1849
10	Lambeth Palace Road	A road	LCN/LCN+/NCR/Greenway	1675	173	1848
74	Grays Inn Road (north)	A road	None	1538	297	1835
125	Charterhouse Street	Minor Road	LCN/LCN+/NCR/Greenway	1621	213	1834
92	London Wall (east)	A road	None	1559	261	1820

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
73	Tavistock Square (A4200)	A road	None	1635	183	1818
36	Lambeth Road (west of St Georges Road)	A road	LCN/LCN+/NCR/Greenway	1633	170	1803
108	Montague Place	B roads	LCN/LCN+/NCR/Greenway	1514	263	1777
81	Great Dover Street	A road	None	1636	74	1710
101	St John St	B roads	LCN/LCN+/NCR/Greenway	1566	139	1705
69	Goswell Road (south)	A road	Other advisory (LC guide)	1457	245	1702
100	Bunhill Row	B roads	LCN/LCN+/NCR/Greenway	1453	240	1693
103	Great Queen Street	B roads	LCN/LCN+/NCR/Greenway	1483	204	1687
59	Tottenham Court Rd (N)	A road	LCN/LCN+/NCR/Greenway	1555	130	1685
22	Northumberland Avenue	A road	LCN/LCN+/NCR/Greenway	1537	143	1680
128	Fleet Street	Minor Road	LCN/LCN+/NCR/Greenway	1438	193	1631
79	York Road	A road	None	1453	157	1610
177	Marlborough Road	Local Street	LCN/LCN+/NCR/Greenway	1370	233	1603

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
91	London Wall (west)	A road	None	1273	323	1596
72	Shaftesbury Avenue	A road	None	1473	117	1590
152	Webber Street	Local Street	LCN/LCN+/NCR/Greenway	1426	158	1584
111	Eastcheap	Minor Road	LCN/LCN+/NCR/Greenway	1436	141	1577
82	Long Lane	A road	None	1438	130	1568
24	Lambeth Road	A road	LCN/LCN+/NCR/Greenway	1365	185	1550
57	Southampton Row	A road	LCN/LCN+/NCR/Greenway	1378	168	1546
62	Charing Cross Road	A road	LCN/LCN+/NCR/Greenway	1430	116	1546
51	Strand (west)	A road	LCN/LCN+/NCR/Greenway	1308	237	1545
75	Oxford Street (west)	A road	None	1406	118	1524
131	New Cavendish Street	Minor Road	LCN/LCN+/NCR/Greenway	1386	136	1522
102	Hunter Street	B roads	LCN/LCN+/NCR/Greenway	1263	246	1509
122	Leadenhall St	Minor Road	LCN/LCN+/NCR/Greenway	1345	139	1484

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
142	Birdcage Walk	Local Street	LCN/LCN+/NCR/Greenway	1289	194	1483
148	Lambs Conduit Street	Local Street	LCN/LCN+/NCR/Greenway	1242	229	1471
93	Grays Inn Road (south)	A road	None	1344	113	1457
71	Portland Place	A road	None	1289	130	1419
140	Belvedere Road	Local Street	LCN/LCN+/NCR/Greenway	1134	259	1393
37	Borough Road	A road	LCN/LCN+/NCR/Greenway	1275	112	1387
116	George Street	Minor Road	LCN/LCN+/NCR/Greenway	1126	204	1330
167	Gordon Square	Local Street	Other advisory (LC guide)	1130	160	1290
158	Wood Street	Local Street	LCN/LCN+/NCR/Greenway	1091	173	1264
113	Seymour Place	Minor Road	LCN/LCN+/NCR/Greenway	1009	218	1227
130	Gresham Street	Minor Road	LCN/LCN+/NCR/Greenway	1038	161	1199
33	Bermonsey Street	A road	LCN/LCN+/NCR/Greenway	1042	72	1114
67	Fetter Lane	A road	LCN/LCN+/NCR/Greenway	962	138	1100

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
166	Trinity Steet	Local Street	Other advisory (LC guide)	1028	66	1094
200	Marshalsea Road	A road	None	1004	70	1074
129	Golden Lane	Minor Road	LCN/LCN+/NCR/Greenway	806	226	1032
157	Appold Street	Local Street	LCN/LCN+/NCR/Greenway	836	136	972
165	Brushfield Street	Local Street	Other advisory (LC guide)	818	143	961
146	Crawford Street	Local Street	LCN/LCN+/NCR/Greenway	829	128	957
150	Sumner Steet	Local Street	LCN/LCN+/NCR/Greenway	634	308	942
138	Black Prince Rd	Local Street	LCN/LCN+/NCR/Greenway	848	74	922
118	Drury Lane	Minor Road	LCN/LCN+/NCR/Greenway	778	130	908
133	Old Broad Street	Minor Road	Other advisory (LC guide)	799	84	883
147	Brook Street	Local Street	LCN/LCN+/NCR/Greenway	774	101	875
78	Piccadilly	A road	None	733	137	870
112	Grosvenor St	Minor Road	LCN/LCN+/NCR/Greenway	758	109	867

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
134	Wardour Street	Minor Road	None	766	96	862
160	Old Compton Street	Local Street	LCN/LCN+/NCR/Greenway	723	116	839
179	Threadneedle Street	Local Street	None	692	130	822
98	Horseferry Road	B roads	LCN/LCN+/NCR/Greenway	647	127	774
20	Pall Mall	A road	LCN/LCN+/NCR/Greenway	632	140	772
124	Central Street	Minor Road	LCN/LCN+/NCR/Greenway	669	85	754
106	GT Smith Street	B roads	LCN/LCN+/NCR/Greenway	650	95	745
38	Minories	A road	LCN/LCN+/NCR/Greenway	638	71	709
120	Mabledon Place	Minor Road	LCN/LCN+/NCR/Greenway	580	123	703
161	Lloyd Baker Street	Local Street	LCN/LCN+/NCR/Greenway	676	27	703
196	Poland Street	Local Street	None	632	50	682
154	Cornwall Road	Local Street	LCN/LCN+/NCR/Greenway	615	59	674
94	Houndsditch	A road	None	582	84	666

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
197	Juxton Street	Local Street	None	469	189	658
110	Thayer Street	B roads	None	540	104	644
153	Weston Street	Local Street	LCN/LCN+/NCR/Greenway	625	3	628
95	Bevis Marks	A road	None	537	78	615
173	Horse Guards Avenue	Local Street	None	516	90	606
145	Welbeck Street	Local Street	LCN/LCN+/NCR/Greenway	524	82	606
180	Myddelton Street	Local Street	None	483	94	577
162	Fitzroy Street	Local Street	LCN/LCN+/NCR/Greenway	483	79	562
191	Devonshire Street	Local Street	None	448	58	506
151	Hercules Road	Local Street	LCN/LCN+/NCR/Greenway	447	51	498
183	Arundel Street	Local Street	None	428	46	474
109	Buckingham Gate	B roads	Other advisory (LC guide)	416	42	458
172	Temple Place	Local Street	None	405	42	447

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
168	Turnmill Street	Local Street	Other advisory (LC guide)	405	35	440
169	Carlisle Street	Local Street	Other advisory (LC guide)	351	76	427
171	Lambeth Walk	Local Street	None	363	53	416
185	Great Cumberland Place	Local Street	None	322	88	410
76	Gloucester Place	A road	None	350	59	409
184	Great Ormond Street	Local Street	None	393	14	407
77	Baker Street	A road	None	335	67	402
132	South Audley Street	Minor Road	Other advisory (LC guide)	310	75	385
144	Garrick Street	Local Street	LCN/LCN+/NCR/Greenway	297	74	371
156	Carey Street	Local Street	LCN/LCN+/NCR/Greenway	298	70	368
163	Emery Hill Street	Local Street	Other advisory (LC guide)	278	58	336
192	Duke Street	Local Street	None	290	46	336
105	New Bond Street	B roads	LCN/LCN+/NCR/Greenway	269	54	323

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
178	Carlisle Place	Local Street	None	256	64	320
115	Wimpole St	Minor Road	LCN/LCN+/NCR/Greenway	285	32	317
164	Lambeth High Street	Local Street	Other advisory (LC guide)	285	30	315
198	Riverside Walk(Albert Embankment)	MVF	All	245	67	312
141	Petty France	Local Street	LCN/LCN+/NCR/Greenway	256	48	304
189	Berners Street	Local Street	None	264	39	303
170	Roupelle St	Local Street	None	238	63	301
155	Jewry Street	Local Street	LCN/LCN+/NCR/Greenway	206	81	287
187	Princeton Street	Local Street	None	216	58	274
135	Berkeley Street	Minor Road	None	238	34	272
194	Trinity Square	Local Street	None	213	51	264
186	Montagu Place	Local Street	None	209	36	245
195	Sullivan Row	Local Street	None	196	48	244

Site ID	Site name	Road class	Road class	6am to 10pm		
				Normal Cycles	Cycle hire bikes	Total cycles
190	Hastings Street	Local Street	None	214	11	225
159	Lime Street	Local Street	LCN/LCN+/NCR/Greenway	166	29	195
188	Eagle St	Local Street	None	149	2	151
181	Greville Street	Local Street	None	132	9	141
97	Crucifix Lane/Druid Street	A road	None	125	8	133
174	Deanery Street	Local Street	None	113	15	128
176	Park Street	Local Street	None	91	27	118
175	Stanhope Gate	Local Street	None	77	21	98
182	Saffron Hill	Local Street	None	89	8	97

Andy Emmonds



Lee Abbott



Martin Obee



Ela Lewicka



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