

Cambridge Private Non-Residential Parking Study

Study Report

November 2016

Cambridgeshire County Council



Report: Cambridge Private Non-Residential Parking Study 06 January 2017

Explanatory Note

This report captures a snapshot of the volume and use of workplace parking spaces (i.e. private, non-residential) in Cambridge during October 2016.

The survey was commissioned by the Greater Cambridge City Deal in partnership with Cambridgeshire County Council and managed by transport planning consultancy Mott MacDonald.

The survey involved the analysis of aerial photographs of the Cambridge area to identify sites used for parking, both surface and multi-storey. Survey staff subsequently visited these sites to assess the number of spaces, whether they had any specific designation (e.g. disabled or visitor), and how many were in use.

The results of the survey will help inform a strategy for charging for these spaces, with the primary goal of securing an income stream to fund elements of the plan that require financial support, for example, more frequent bus services and/or removing the charge for parking at Park and Ride sites.

Related Publications

Two parking survey reports are being published today. These surveys capture the volume and pattern of use of on-street and workplace parking in Cambridge.

The Board Paper on City Access is also being published today. It contains the next steps for the package of measures to tackle congestion and improve access to central Cambridge. It will be considered by the City Deal Joint Assembly on 18 January and the City Deal Executive Board on 25 January.

In the Board Paper, there is an officer recommendation that the Board continues to support the codesign of a workplace parking levy scheme with employers, with more detail available for Board and public review later in 2017.

There is also a recommendation that City Deal involvement in the design of a workplace parking levy scheme and the expansion of on-street parking controls be combined within the Parking Management Delivery Plan to be led and managed from within the City Access team.

Background

The cost and availability of parking has a pivotal influence on people's choice of travel mode. Continuing to manage parking use is an important part of a holistic package of measures required to sustainably deliver growth in and around Cambridge.

A workplace parking levy was part of the package of 8 measures to tackle peak-time congestion shared with the public in summer/autumn 2016 when feedback was requested through the "Tackling Peak-time Congestion" survey. The package includes a range of measures which, taken together, would reduce congestion, encourage more people to travel by public transport, bike or on foot and improve the environment generally in central Cambridge. Work defining the package is being led by the new City Access team which forms part of the City Deal officer team.

It should be easy to get into, out of, and around Cambridge by public transport, by bike and on foot. This is the transport vision set out by the Greater Cambridge City Deal, which is developing a

number of projects to help achieve this, including the Chisholm Trail cycleway and improved bus facilities from Cambourne to Cambridge, as well as along the A1307 from Haverhill to Cambridge. The City Access project is central to this and aims to help more people get into and out of Cambridge by sustainable means and to boost economic growth without increasing congestion.

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1 Introduction

1.1 Background

As an extension to the wider Cambridge Access Study, Cambridgeshire County Council commissioned Mott MacDonald in July 2016 to undertake a study of Private Non-Residential (PNR) parking in Cambridge. The overall aim of the study is to identify the capacity and weekday occupancy levels of all PNR parking in the city.

The last such study was conducted in 1989/90 by Colin Buchanan and Partners. This study therefore serves to update and expand on that earlier work.

1.2 Report Structure

The report is structured as follows:

- Section 2 outlines the methodology for the parking study
- Section 3 presents the findings of the parking study
- Section 4 summarises the study

2 Study Methodology

2.1 Introduction

The purpose of this section is to describe the scope of the study and the methodology employed to deliver it.

2.2 Study Purpose

The main purpose of the study is to identify current levels of PNR parking supply and weekday usage in Cambridge.

For the purposes of this study, PNR parking is defined as any off-street parking which specifically exists to serve a non-residential land use. It therefore includes all off-street parking except public general use car parks and private residential parking. For the sake of clarity, all public car parks advertised on the Council's website¹ were not included in the survey.

2.3 Study Area

The Buchanan study was undertaken in two stages. The following image shows:

- The City of Cambridge boundary
- The Stages 1 and 2 Buchanan survey boundary and zones, covering the outer areas of the city as well as parts of South Cambs

As agreed with the client, this study is based on the Stage 2 Buchanan boundary. This boundary still includes all PNR parking within the City of Cambridge, plus the main areas of development just outside the boundary, like the Science Park. Using the same boundary also allows for direct comparison with the previous survey. To further allow comparison, we have also reported against the same survey zones.

¹ https://www.cambridge.gov.uk/parking

Figure 1: Study area and zoning Legend Cambridge Boundary Buchanan Stage 1 Area Histon Buchanan Stage 2 Area **Buchanan Zones** Impington Girton Horningsea Fen Ditton **L**64 66 1 Grantchester MOTT MACDONALD Hauxton Ordnance Survey data © Crown copyright and database right 2016 Source: Buchanan Study 1989/90

2.4 Study Methodology

The first requirement of the study was to identify the location of all PNR sites within the study area. A comprehensive desktop survey was therefore undertaken first, using web-based satellite imagery to identify as many sites as possible. These were then mapped and referenced in GIS, while an initial estimate of site capacity and associated land use was made wherever feasible.

The list of sites was then sent to a survey subcontractor who:

- Visited each site to seek access permissions
- Where access was granted or unobstructed, the site capacity and land use details were confirmed or amended as appropriate
- Where access was denied, contact details were obtained for securing access
- Where sites did not qualify as PNR, eg residential only or closed for construction etc, these were removed from the list
- Where new PNR sites were identified, these were added to the list

Of the original list of 706 sites identified, this initial on-site investigation resulted in 0 sites being added and 66 sites being removed, leaving a population total of 640 valid sites. Of these, 96 sites needed access permissions.

Permissions were sought for these sites by Mott MacDonald until and during the main survey period, which took place during both school and university term-time from Tuesday 4th October 2016 to Thursday 20th October 2016 inclusive. Surveys were undertaken on Mondays to Thursdays and between 10:00 and 12:00 and between 14:00 and 16:00 only in order to coincide with times of likely peak PNR parking demand.

By the end of the survey period:

- 595 sites were surveyed and access was denied at 45 sites
- Of the 45 sites where access was denied, capacity estimates were only unavailable for just 2 underground car parks
- The 45 non-accessed sites constitute 7% of the full population of sites, both in terms of the total number of sites and the total capacity of all sites. This means that the surveyed sites represent 93% of the full population

For each site not accessed, the average car park utilisation result for its land use category has been applied to the final results. For example, for a non-accessed university car park, this land use's average utilisation result of 63% has been applied. This method allows for a full set of final results, except for the 2 non-accessed underground car parks, but it should be remembered when viewing the results that the utilisation levels are estimated for 7% of the sample. It is noted in the full list of results presented in the next section which sites are based on estimated values.

3 Survey Results Summary

3.1 Introduction

The purpose of this section is to present a summary of the results from the PNR survey process. The full survey results per car park site are attached in Appendix A.

3.2 PNR Capacity Results

3.2.1 Total Capacity

The following table presents the total PNR capacity level measured by the surveys and compares with the previous result from the 1989/90 Buchanan survey. This shows that total PNR parking capacity has increased between the two survey periods by about 3.8%.

Table 1: Total measured 2016 PNR capacity and comparison with previous survey result

Total Capacity (spaces)		Chan	ge
2016 Survey Result 1989/90 Survey		Absolute Change	% Change
41,962	40,423	+1,539 spaces	+3.8%

Source: 2016 surveys and Buchanan Report

The following figure shows total capacity results from both surveys by zone. The equivalent tabulated results are in Appendix B.1. The figure shows that:

- The overall increase in capacity is not experienced uniformly across zones but that some show a strong increase while others show a decrease
- The highest number of PNR spaces are found in the Science Park (zone 58), followed by the Cambridge North East Fringe site (zone 38) and Addenbrooke's (zone 56)
- These three zones also show some of the strongest increases in PNR capacity between surveys, as well
 as the development area adjacent to Addenbrooke's (zone 20) and the area between Newmarket Road
 and Coldhams Lane (zone 27)
- Zones in or near the city centre are most likely to have seen a drop in capacity between the two surveys

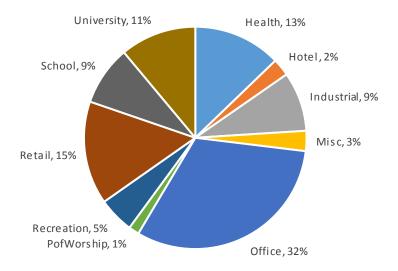
Legend 1989/90 PNR capacity 2016 PNR capacity **Buchanan Zones** MOTT MACDONALD Ordnance Survey data © Crown copyright and database right 2016 Source: 2016 surveys and Buchanan Report

Figure 2: Total measured 2016 PNR capacity by zone and comparison with previous survey result

3.2.2 2016 PNR Capacity by Land Use Type

The following chart shows the distribution of PNR parking capacity by associated land use.

Figure 3: Distribution of PNR capacity by land use



Source: 2016 survey data

This chart shows that:

- Office parking comprises the highest proportion at nearly a third of all PNR capacity. This land use is also
 one of the most likely to generate trips during weekday peak hours
- The education sector comprises 20% of all capacity. These land uses generate most trips during term times
- The retail sector accounts for about 15% of all capacity, though it is noted that this stock does not include
 the city's Council owned public car parks which are also used for this purpose. This land use generates
 trips by both staff and visitors throughout the week
- The health sector accounts for about 13% of total capacity. This land use generates trips by both staff and visitors throughout the day, as well as evenings and weekends

3.2.3 2016 PNR Car Park Size Distribution

The following chart shows the distribution of PNR car park sizes within the survey area, shown in terms of the number of car parks and the total capacity of parking within each category.

This chart shows that:

- 22% of all surveyed car parks are 10 spaces or less, but this comprises just 2% of total capacity
- 70% of car parks are 50 spaces or less, but this comprises only 20% of total capacity
- By contrast, car parks of over 100 spaces comprise just 15% of all car parks but provide 64% of total capacity

It is noted that this survey only records the physical size of individual car parks and not the number of spaces in each car park which are attributable to individual employers.

45% 40% 40% 35% 30% Proportion of Total 30% 22% 25% 18% 20% 15% ^{16%} 13% 13% 15% 11% 10% 8% 10% 5% 2% 1% 1% 0% Up to 10 spaces 11-25 spaces 26-50 spaces 51 to 100 101 to 500 501 to 1000 1000+ spaces spaces spaces spaces ■ Distribution by No of Sites ■ Distribution by No of Spaces

Figure 4: Distribution of PNR car park sizes by number of sites and number of spaces

Source: 2016 survey data

The following chart shows the average car park size by associated land use.

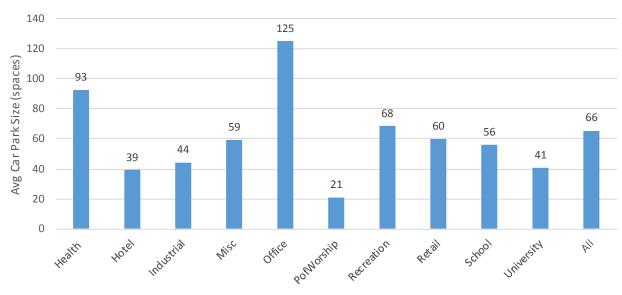


Figure 5: Average car park size by land use type

Source: 2016 survey data

This chart shows that

- Office and health land uses have the biggest car parks on average
- Places of worship, hotels, industrial and university land uses have the smallest.
- The average PNR car park size is 66 spaces

3.2.4 2016 PNR Capacity by Space Type

The following chart shows the distribution of parking space types for each land use.

100% 90% Proportion of Total Capacity 80% ■ Not Marked (Estimate) 70% ■ Other (Specify) 60% ■ Type Unknown 50% ■ Motorcycle 40% Parent & Child 30% Disabled Use Only 20% ■ Mixed (Staff & Visitor) 10% Visitor 0% Office Health Staff 110

Figure 6: Distribution of parking space types by land use

Source: 2016 survey data

This chart shows that:

- The most common parking space type is in the 'type unknown' category. This reflects the fact that, on site, it is often difficult to determine the intended usage of parking spaces
- Designated staff parking is most prevalent for office car parks
- Disabled spaces are present across all car parks
- Parent and child parking is most prevalent in recreation and retail car parks
- Motorcycle parking is most prevalent in school and office car parks
- Unmarked parking is most likely to be found in place of worship and industrial car parks

The following chart further unpacks the above disabled parking provision result and shows the average level of this type of parking for each land use.

This chart shows that:

- Disabled parking provision levels are highest in place of worship car parks, reflecting the often older user
 of this type of facility
- Provision levels are also noticeably higher for land uses with a strong public-facing element, such as the health, hotel, recreation and retail car parks
- For mainly worker-related land uses, such as industrial, office, school and university car parks, provision levels are lower, but still 1.8% or above
- Overall, the average level of disabled parking across all PNR car parks is 3.2%

6.2% 6% Proportion of Total Capacity 5.1% 4.7% 5% 4.4% 4.5% 4.0% 4% 3.2% 2.6% 3% 2.4% 2.0% 1.8% 2% 1% 0% Pohyoship Recreation Hotel Misc Retail Health school

Figure 7: Average level of disabled space provision by land use

Source: 2016 survey data

3.2.5 2016 PNR Capacity by Construction Type

The following chart shows the distribution of PNR parking capacity by car park construction type.

Underground, 1.7%____Multi-Storey, 4.6%

Surface, 93.7%

Figure 8: Distribution of parking capacity by car park construction type

Source: 2016 survey data

This chart shows that nearly 95% of PNR parking capacity is provided at-grade. It should be noted that the underground parking proportion would be a little higher had the survey team been able to access two underground car parks (sites 238 and 242).

For the multi-storey and underground car parks, the following chart shows the land uses these serve.

100% 90% 29% Proportion of Total Capacity 80% 70% Recreation 60% 92% ■ Office 50% ■ Hotel 40% Health 65% 30% 20% 10% 8% 0% Underground Multi-Storey

Figure 9: Distribution of non-surface car park capacity by land use

Source: 2016 survey data

This chart shows that:

- Nearly two-thirds of multi-storey car park capacity is for health land uses, with most of the remainder being for recreation land uses
- Underground car parking is almost exclusively office related, being found mostly in the basements of office buildings

3.3 PNR Demand and Utilisation Results

3.3.1 Total Demand Results

The following table presents the total PNR demand level measured by the surveys and compares with the previous result from the 1989/90 Buchanan survey. This shows that, despite Table 1 above confirming a 3.8% increase in overall PNR capacity between surveys, actual demand has dropped over 13%. This reflects the drop in car mode share observed in Cambridge during this period.

Table 2: Total measured 2016 PNR demand and comparison with previous survey result

Total Demand (spaces)		Chan	ge
2016 Survey Result	1989/90 Survey	Absolute Change	% Change
23,989	27,647	-3,658 spaces	-13.2%

Source: 2016 surveys and Buchanan Report

The following figure shows total demand results from both surveys by zone. The equivalent tabulated results are in Appendix C.1.

This figure shows a similar pattern of results to the equivalent figure for parking capacity shown in Figure 2 above, except that the increases in demand are generally not as significant as those for capacity and the decreases in demand are generally greater. The drop in PNR demand in the city centre is particularly noticeable.

Legend 1989/90 PNR demand 2016 PNR demand **Buchanan Zones** MOTT MACDONALD Ordnance Survey data © Crown copyright and database right 2016 Source: 2016 surveys and Buchanan Report

Figure 10: Total measured 2016 PNR demand by zone and comparison with previous survey result

3.3.2 Total Utilisation Results

The following table presents the total PNR utilisation level measured by the surveys and compares with the previous result from the 1989/90 Buchanan survey. As would be expected from the above capacity and demand results, this shows an absolute drop in average occupancy levels of nearly 12% (equivalent to a proportional decrease of 17.1%).

Table 3: Total measured 2016 PNR utilisation and comparison with previous survey result

Total Utilisation (Demand/Capacity)		Cha	ange
2016 Survey Result	1989/90 Survey	Absolute	% Change
57.2%	68.4%	-11.2%	-16.4%

Source: 2016 surveys and Buchanan Report

The following figure shows utilisation results for the 2016 survey only by zone. The tabulated results for both surveys are in Appendix D.1.

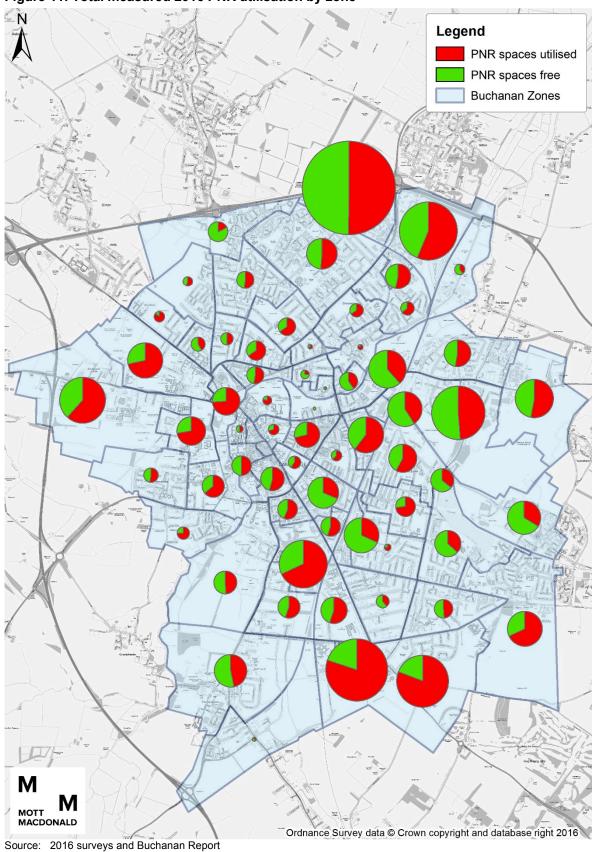
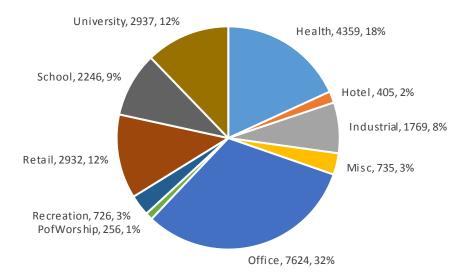


Figure 11: Total measured 2016 PNR utilisation by zone

3.3.3 2016 PNR Demand by Land Use Type

The following chart shows the distribution of PNR parking demand by associated land use.

Figure 12: Distribution of PNR demand by land use



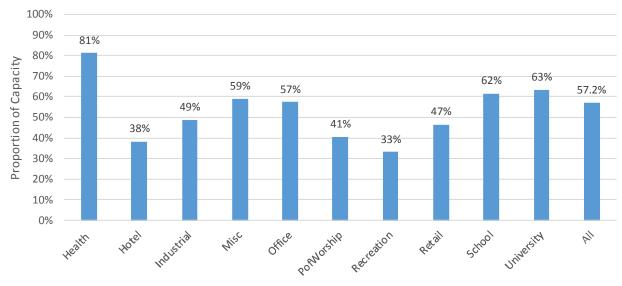
Source: 2016 survey data

This chart shows a similar distribution for PNR demand as does Figure 3 above for PNR capacity. However, comparison between the two shows does show some differences, which is accounted for by the fact that different land use car parks are used to different levels of utilisation. This is covered by the next chart.

3.3.4 2016 PNR Utilisation by Land Use Type

The following chart shows the average car park utilisation level by land use.

Figure 13: Distribution of average car park utilisation levels by land use



Source: 2016 survey data

This chart shows that:

- Significantly the highest utilisation level is observed in health land use car parks
- The next highest level of utilisation is seen in the worker-related car parks for office and education land uses
- The lowest levels of utilisation are observed in the more visitor-related car parks for recreation, hotel and place of worship uses

2016 PNR Utilisation by Space Type

The following chart shows the average utilisation levels of each parking space type.

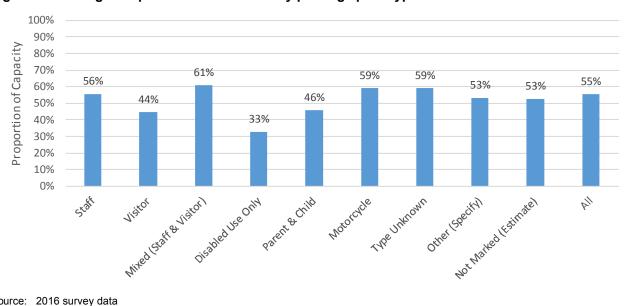


Figure 14: Average car park utilisation levels by parking space type

Source: 2016 survey data

This chart shows a similar level of utilisation across all parking spaces types, but with disabled parking showing noticeably the lowest level. In light of Figure 7 above, this suggests that parking standards could be requiring an over-provision of these spaces in private car parks.

4 Survey Summary

4.1 Survey Background

As an extension to the wider Cambridge Access Study, Cambridgeshire County Council commissioned Mott MacDonald in July 2016 to undertake a study of Private Non-Residential (PNR) parking in Cambridge. The overall aim of the study is to identify the capacity and weekday occupancy levels of all PNR parking in the city.

The last such study was conducted in 1989/90 by Colin Buchanan and Partners. This study serves to update and expand on that earlier work and therefore adopts the same survey area.

4.2 Survey Purpose and Methodology

The main purpose of the study is to identify current levels of PNR parking supply and weekday usage in Cambridge.

For the purposes of this study, PNR parking is defined as any off-street parking which specifically exists to serve a non-residential land use. It therefore includes all off-street parking except public general use car parks and private residential parking.

The study was undertaken in stages as follows:

- · A desktop survey was undertaken by Mott MacDonald to identify all potential PNR sites in the study area
- A survey subcontractor visited all sites and confirmed capacity and land use details for valid sites where
 access was permitted, while also identifying ineligible sites to be removed from the survey
- Where access was not permitted, Mott MacDonald sought to secure access
- During school and university term-time weekdays (except Friday) in October 2016, the survey subcontractor visited all permitted sites and recorded parking utilisation at peak times of day

At the end of the survey, 93% of sites were accessed and surveyed, while site capacity data was obtained for all but two of the remainder. Utilisation levels for the non-accessed sites were estimated by applying the average utilisation level for each site's land use.

4.3 Survey Results Summary

The overall survey results and the equivalent Buchanan survey results are summarised in the following table.

Table 4: Total measured 2016 PNR results and comparison with previous survey

Parameter	2016 Survey Result	1989/90 Survey	Absolute Change	% Change
Total Capacity	41,962	40,423	+1,539 spaces	+3.8%
Total Demand	23,989	27,647	-3,658 spaces	-13.2%
Average Utilisation	57.2%	68.4%	-11.2%	-16.4%

Source: 2016 surveys and Buchanan Report

This shows that, though PNR capacity levels have increased overall by 3.8% between 1989/90 and 2016, actual demand has dropped over 13%. This reflects the falling average car mode share in the city across the same period.

However, the results also show that this trend is not uniform across the city. The following table shows the above results for the city centre historic core (bounded by the River Cam and the East Road corridor and represented by zones 1-8, 66 and 67).

Table 5: Measured 2016 PNR result for City Centre Core and comparison with previous survey

Parameter	2016 Survey Result	1989/90 Survey	Absolute Change	% Change
Total Capacity	1,546	4,001	-2,455 spaces	-61%
Total Demand	958	3,145	-2,187 spaces	-70%
Average Utilisation	62%	79%	-17%	-21%

Source: 2016 surveys and Buchanan Report

This table shows a noticeable drop in both capacity and demand levels in the city centre followed also by a decrease in utilisation. This reflects the measures implemented in Cambridge to reduce car usage in the city centre.

By contrast, the following tables show the above results for the Science Park / Northern Fringe East area (zone 58 and 38) and the Biomedical Campus (zone 56), which are both situated more to the outside edge of the city.

Table 6: Measured 2016 PNR result for Science Park / Northern Fringe and comparison with previous survey

Parameter	2016 Survey Result	1989/90 Survey	Absolute Change	% Change
Total Capacity	9,581	3,469	+6,112 spaces	+176%
Total Demand	4,975	2,224	+2,751 spaces	+124%
Average Utilisation	52%	64%	-12%	-19%

Source: 2016 surveys and Buchanan Report

Table 7: Measured 2016 PNR result for Biomedical Campus and comparison with previous survey

Parameter	2016 Survey Result	1989/90 Survey	Absolute Change	% Change
Total Capacity	3,066	2,021	+1,045 spaces	+52%
Total Demand	2,454	2,134	+320 spaces	+15%
Average Utilisation	80%	106%	-26%	-24%

Source: 2016 surveys and Buchanan Report

These tables show significant increases in both supply and demand levels in both areas. The rise in capacity levels is particularly noticeable in the Science Park / Northern Fringe East area where the number of parking spaces provided has almost tripled since the previous survey. By contrast, utilisation levels have dropped in both areas by around 20%.

Appendices

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A. Full Site Specific Results

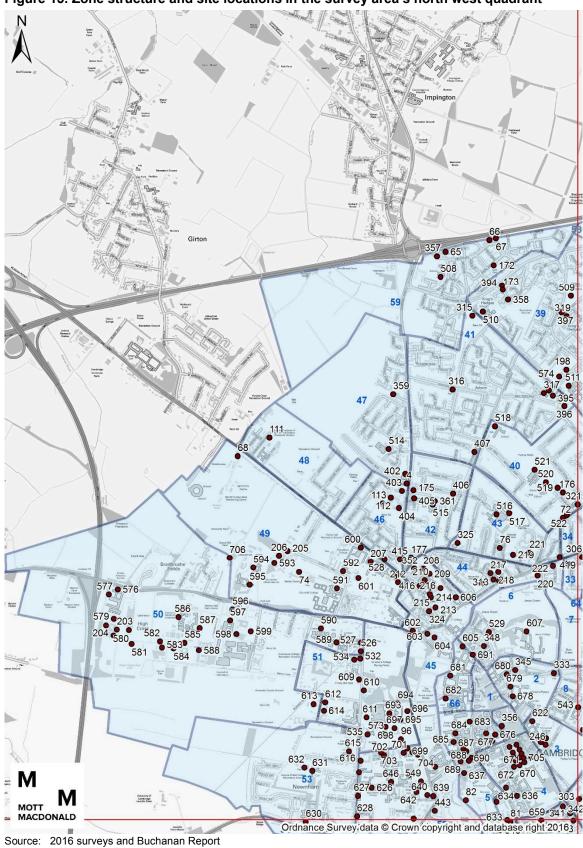


Figure 15: Zone structure and site locations in the survey area's north west quadrant

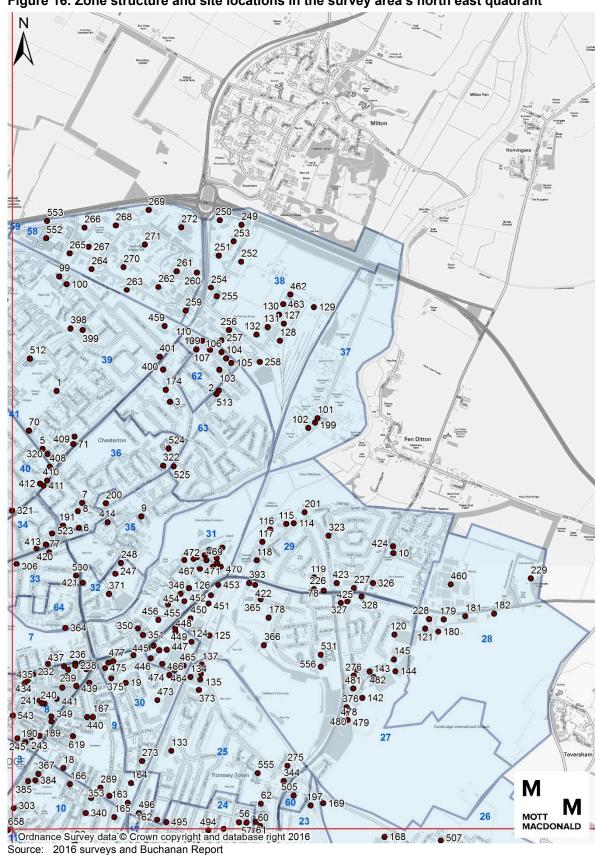


Figure 16: Zone structure and site locations in the survey area's north east quadrant

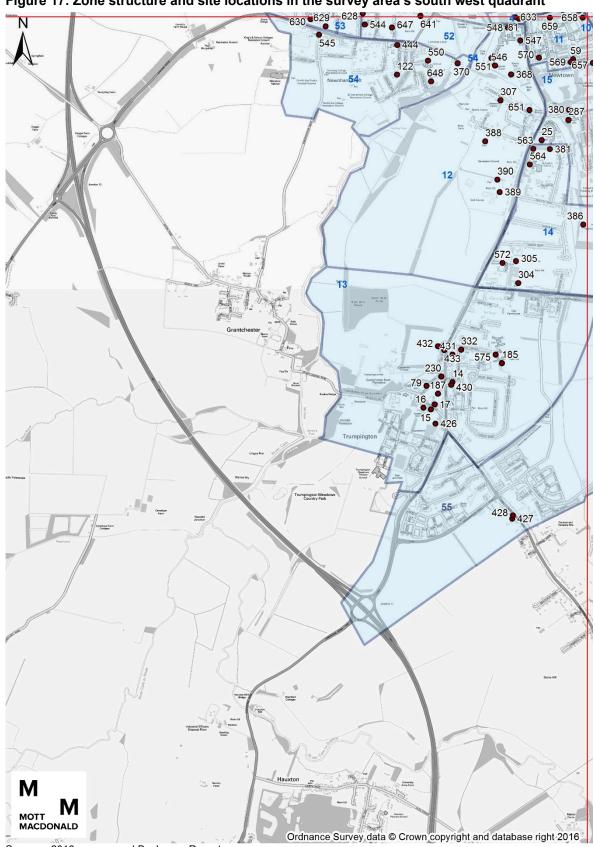


Figure 17: Zone structure and site locations in the survey area's south west quadrant

Source: 2016 surveys and Buchanan Report

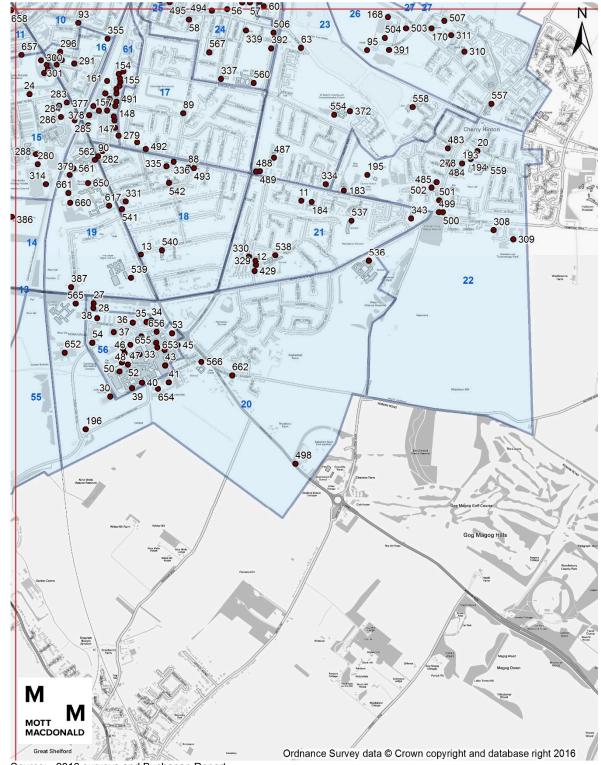


Figure 18: Zone structure and site locations in the survey area's south west quadrant

Source: 2016 surveys and Buchanan Report

Table 8: Full results per site, grouped and subtotalled by zone

Zone		Landuse	Capacity	Demand	Capacity									Demand									
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only		Motor cycle	Type Unknown	Other	Not Marked	
	333	PofWorship	4	4							4									4			
!	345	PofWorship	12	8									12									8	
<u> </u>	678	University	23	12			23									12							
2	679	University	32	25			32									23						2	
2	680	University	18	14			18									13						1	
Zone 2 Subtotal		89	63			73				4		12			48				4		11		
3	246	Office	76	51		73		3							50		1						
3	621	Industrial	21	10																			
3	622	Industrial	6	3																			
3	623	Industrial	20	10																			
Zone 3	Subt	total	123	74		73		3							50		1						
ŀ	81	Hotel	38	20							38									20			
ŀ	369	Recreation	10	2	10									2									
ŀ	624	University	34	19		34									19								
ı	633	University	33	0		24					9				0					0			
ŀ	634	University	24	19		20		3					1		17		2					0	
ı	636	University	10	7	10									7									
ŀ	663	University	20	10		20									10								
ŀ	664	University	35	25		35									25								
ŀ	665	University	24	21			23	1								21	0						
ı	666	University	6	5	6									5									
ŀ	667	University	45	5		45									5								
ŀ	668	University	10	9		10									9								
ļ	669	University	68	49			68									49							
	670	University	8	5		8									5								
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	672	University	15	10		15									10								
ļ.	673	University	14	13		14									13								
		University	26	12				1					25				0					12	

Zone	Site No	Landuse	Capacity	Demand	Capacity									Demand									
					Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	
4	705	University	5	0		5									0								
Zone 4 Subtotal		440	239	26	245	91	5			47		26	14	121	70	2			20		12		
5	82	Hotel	151	63		145		5		1					62		0		1				
5	637	University	22	11		1	19	2							0	10	1						
5	675	University	3	3		3									3								
5	676	University	6	5			6									5							
5	677	University	6	5		4		2							4		1						
5	683	University	8	8							8									8			
5	684	University	4	4							4									4			
5	685	University	16	12							16									12			
5	686	University	23	23							23									20		3	
5	687	University	8	0									8									0	
5	688	University	19	14			18	1								14							
5	689	University	29	0	16		12		1					0		0		0					
5	690	University	5	3			3	2								3	0						
Zone 5	Subt	otal	300	151	16	153	58	12	1	1	51		8	0	69	32	2	0	1	44		3	
6	529	School	7	1									7									1	
6	607	University	48	47							48									47			
6	691	University	6	0							6									0			
Zone 6	Subt	otal	61	48							54		7							47		1	
7	436	Retail	7	0		7									0								
Zone 7	' Subt	otal	7	0		7									0								
8	189	Misc	23	9			20	2		1						8	0		1				
8	190	Misc	35	27			32	1				2				27	0				0		
8	232	Office	51	29						2	46	3							0	28	1		
8	233	Office	5	8	5									5								3	
8	234	Office	18	15			18									15							
8	235	Office	11	6		10		1							6		0						
8	236	Office	7	7		7									7								
8	237	Office	27	20		27									20								
8	238	Industrial	0	0																			

Zone		Landuse	Capacity	Demand					Capaci	ty								Demand	t			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child		Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
8	239	Office	16	6		16									6							
8	240	Office	11	8	9	2								6	2							
8	241	Office	15	9									15									9
8	242	Industrial	0	0																		
8	243	Office	108	106		108									106							
8	244	Office	7	7			7									6						1
8	245	Office	10	4		10									4							
8	435	Retail	39	30								39									30	
8	437	Retail	6	4		6									4							
8	439	Retail	22	20		22									20							
8	441	Retail	43	26			43									26						
8	442	Retail	8	7		8									7							
8	543	School	26	16		26																
Zone 8	Subt	total	539	391	14	276	120	16		3	46	44	20	11	199	82	10		1	28	31	13
9	18	Health	5	3									5									3
9	163	Industrial	2	1							2									1		
9	164	Office	9	9									9									9
9	167	Industrial	10	9		10									9							
9	188	Industrial	10	5																		
9	289	Office	14	9								14									9	
9	440	Retail	12	7									12									7
9	619	Industrial	25	12																		
Zone 9	Subt	total	87	55		10					2	14	26		9					1	9	19
10	93	Hotel	4	2									4									2
10	165	Industrial	28	26				3		1	12		12				1		1	12		12
10	166	Industrial	2	1			2									1						
10	303	Office	90	52																		
10	340	PofWorship	12	2							12									2		
10	367	Recreation	11	7							11									7		
10	382	Recreation	10	0							10									0		
10	384	Recreation	32	10				2			30						1			9		

Zone		Landuse	Capacity	Demand					Capacit	ty								Demand	ł			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
10	385	Recreation	574	140				15	34		523	2					12	9		119	0	
Zone 1	0 Sub	ototal	763	240			2	20	34	1	598	2	16			1	14	9	1	149	0	14
11	59	Health	26	13	13			2			11			7			1			5		
11	297	Office	48	18	6	42								2	16							
11	341	School	17	11		5					12				3					8		
11	342	PofWorship	22	12				3			19						2			10		
11	383	Recreation	12	10				1			11						0			10		
11	569	School	29	25	5								24	7								18
11	570	School	42	0		42									0							
11	657	University	24	19				2			12		10				0			10		9
11	658	University	22	12							22									12		
11	659	University	69	54			61	2		2	4					53	0		1	0		
Zone 1	1 Sub	ototal	311	174	24	89	61	10		2	91		34	16	19	53	3		1	55		27
12	307	Office	28	19				1			27						0			19		
12	368	Recreation	59	41	8		2				19	2	28	6		0				17	0	18
12	388	Recreation	22	4				1			21						0			4		
12	389	Recreation	40	26		40									26							
12	390	Recreation	133	43																		
12	546	School	50	20			50									20						
12	547	School	37	25			36	1								25	0					
12	548	School	18	9							18									9		
12	551	School	19	9			9					10				9					0	
12	651	University	10	9									10									9
Zone 1	2 Sub	ototal	416	205	8	40	97	3			85	12	38	6	26	54	0			49	0	27
13	14	Health	8	5				3					5				1					4
13	15	Health	10	4		10									4							
13	16	Health	45	23									45									23
13	17	Health	17	9							17									9		
13	79	Hotel	18	4									18									4
13	185	Misc	81	48				3			48		30									
13	187	Misc	185	109	7	2		4			172											

Zone		Landuse	Capacity	Demand					Capacit	ty								Demand	t			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
13	230	Office	26	22		2	23	1							0	22	0					
13	332	PofWorship	10	1									10									1
13	426	Retail	296	123	13			14	11		258			0			3	3		117		
13	430	Retail	16	7				1			15						0			7		
13	431	Retail	43	10				2			41						0			10		
13	432	Retail	50	7	3						47			1						6		
13	433	Retail	12	1							12									1		
13	575	School	25	21			25									21						
Zone	13 Sub	ototal	842	394	23	14	48	28	11		610		108	1	4	43	4	3		150		32
14	304	Office	55	24	30	21		3				1		15	7		1				1	
14	305	Office	210	114	210									114								
14	381	Recreation	12	4																		
14	386	Recreation	44	32									44									32
14	563	School	37	23																		
14	564	School	15	9																		
14	572	School	12	7				1			11											
Zone	14 Sub	ototal	385	213	240	21		4			11	1	44	129	7		1				1	32
15	22	Health	95	69		6	77	5			7				4	55	4			6		
15	24	Health	8	4							8									4		
15	25	Health	131	125	19		58	1				53		19		54	1				51	
15	280	Office	403	291	335			4		28	35	1		256			1		9	25	0	
15	283	Office	90	52																		
15	284	Office	46	36			42	4		0						32	2		2			
15	285	Office	157	126			140	17								114	12					
15	286	Office	46	36			42	4		0						32	2		2			
15	287	Office	45	30									45									30
15	288	Office	240	129	170	29		12		29				103	18		3		5			
15	298	Office	128	76			122					6				73					3	
15	299	Office	9	8			8	1								8	0					
15	300	Office	85	65			45	3			37					33	2			30		
15	301	Office	41	28							41									28		

Zone		Landuse	Capacity	Demand					Capacit	ty								Demand	ł			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown		Not Marked
15	314	Office	285	164																		
15	380	Recreation	40	19									40									19
Zone '	15 Sub	ototal	1849	1257	524	35	534	51		57	128	60	85	378	22	401	27		18	93	54	49
16	291	Office	55	33							55									33		
16	292	Office	66	26				3		1	62						2		1	23		
16	293	Office	50	38	9		2	2			37			7		2	1			28		
16	294	Office	48	28				2			46						0			28		
16	295	Hotel	22	18							22									18		
16	296	Office	54	20							54									20		
Zone '	16 Sub	ototal	295	163	9		2	7		1	276			7		2	3		1	150		
17	21	Health	23	15							12		11							9		6
17	89	Hotel	3	1							3									1		
17	492	Retail	8	9							8									7		2
Zone '	17 Sub	ototal	34	25							23		11							17		8
18	13	Health	12	3							12									3		
18	88	Hotel	24	3									24									3
18	90	Hotel	4	2							4									2		
18	282	Office	13	7			11	2														
18	331	PofWorship	12	1				1			11						0			1		
18	335	PofWorship	17	7				2					15				0					7
18	336	PofWorship	9	0									9									0
18	493	Retail	9	5				1			8						1			4		
18	540	School	13	11				1			8		4				1			7		3
18	541	School	4	1							4									1		
18	542	School	15	12									15									12
Zone '	18 Sub	ototal	132	52			11	7			47		67				2			18		25
19	379	Recreation	31	17				2			29						1			16		
19	387	Recreation	70	0							70									0		
19	539	School	148	91			3	5		1	139											
19	561	School	76	72				4			72						3			69		
19	562	School	11	3			9	2								3	0					
19	502	3011001	11	3			9	2								3	U					

Zone		Landuse	Capacity	Demand					Capaci	ty								Deman	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
19	617	Industrial	86	42																		
19	650	University	53	34				5			48											
19	660	University	72	44	20	44		6		2				20	24		0		0			
19	661	University	7	4							7											
Zone '	19 Sub	total	554	307	20	44	12	24		3	365			20	24	3	4		0	85		
20	27	Health	8	5		6		2							4		1					
20	28	Health	18	16				2				16					1				15	
20	30	Health	1228	1091				70			1158						40			1051		
20	34	Health	18	42							18									17		25
20	41	Health	109	78	6		4				88	11		6		2				62	8	
20	45	Health	24	24			20						4			20						4
20	498	Retail	77	44	0	75		2							44		0					
20	536	School	58	56	1			1		2	54			1			0		2	53		
20	565	School	170	123			6		30	134						0		11	112			
20	566	University	48	41							25		23							24		17
20	652	University	280	144	221		59							122		22						
20	654	University	74	53	4	34		8			18	10		1	27		1			16	8	
20	662	University	39	21				2			36		1				0			21		0
Zone 2	20 Sub	total	2151	1738	232	115	89	87	30	136	1397	37	28	130	75	44	43	11	114	1244	31	46
21	11	Health	19	12			16	2				1				10	1				1	
21	12	Health	12	5			11	1								2	3					
21	184	Misc	73	43																		
21	329	PofWorship	22	13				1			21						0			13		
21	330	PofWorship	16	16							16									16		
21	343	PofWorship	64	2				7			57						0			2		
21	429	Retail	8	7									8									7
21	537	School	41	29				1			26	2	12				0			21	2	6
21	538	School	18	7	1			3			11		3	0			1			6		0
Zone 2	21 Sub	total	273	134	1		27	15			131	3	23	0		12	5			58	3	13
22	20	Health	13	7				1			12						1			6		
22	183	Misc	48	25				6			42						1			24		

Zone		Landuse	Capacity	Demand					Capaci	ty								Demand	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
22	193	Recreation	25	2			22	3	& Ciliu	Сусіс	OTIKITOWIT		Marked			2	0	& Ciliiu	Cycle	OTIKITOWIT		Marked
22		Misc	22	19				1			21					_	0			19		
22		Misc	50	20				8			42						0			20		
22		Office	16	6							6		10				•			6		0
22		Office	496	362	475	13		8						351	8		3					
22		Office	173	132	169	3						1		130	1						1	
22		Retail	30	22									30									22
22			11	11							11									11		
22		Retail	16	16									16									16
22	499	Retail	34	22									34									22
22	500	Retail	13	4				2			11						0			4		
22		Retail	6	1							6									1		
22	502	Retail	6	2									6									2
22		School	9	8	8			1						7			1					
Zone 2	2 Sub	ototal	968	659	652	16	22	30			151	1	96	488	9	2	6			91	1	62
23	63	Health	5	4			5									4						
23	197	Misc	90	53																		
23	334	PofWorship	38	2				2			34		2				0			1		1
23	487	Industrial	276	37							258	9	9							28	5	4
23	488	Retail	24	19				2			19		3				0			18		1
23	489	Retail	12	9				2			8	2					2			7	0	
23	554	School	82	65			39	3				6	34			34	2				1	28
23	558	School	15	11							15									11		
Zone 2	3 Sub	ototal	542	200			44	9			334	17	48			38	4			65	6	34
24	55	Health	9	7	3			1			3		2	3			1			2		1
24	56	Health	22	16				1			21						0			16		
24	57	Health	119	106			116	3								104	2					
24	58	Health	6	3									6									3
24	337	PofWorship	4	2									4									2
24	339	PofWorship	3	1				1					2				0					1
24	392	Recreation	6	0							4		2							0		0

Zone		Landuse	Capacity	Demand					Capaci	ty								Demand	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
24	494	Retail	23	19							23									19		
24	495	Retail	16	8	3		7	2					4	2		6	0					0
24	496	Retail	18	18							17	1								17	1	
24	506	Retail	15	3							15									3		
24	560	School	49	30				3			46											
24	567	School	19	13			3	4			8	4				0	1			8	4	
Zone 2	4 Sub	ototal	309	226	6		126	15			137	5	20	5		110	4			65	5	7
25	60	Health	41	39	2		37	2						2		36	1					
25	61	Health	15	11				3			8		4				0			7		4
25	62	Health	25	4									25									4
25	133	Industrial	187	75			185	2								73	2					
25	134	Industrial	8	5									8									5
25	135	Industrial	19	5							19									5		
25	136	Industrial	26	24							26									24		
25	137	Industrial	40	17							40									17		
25	162	Industrial	20	12									20									12
25	275	Health	33	25				3			27		3				1			24		0
25	344	PofWorship	17	15				2			15						1			14		
25	373	Recreation	182	119				8			174						5			114		
25	555	School	15	12							15									12		
Zone 2	25 Sub	ototal	628	363	2		222	20			324		60	2		109	10			217		25
26	95	Hotel	57	30				5			51	1					1			28	1	
26	168	Industrial	60	3									60									3
26	169	Industrial	12	12							12									12		
26		Industrial	21	16							21									16		
26	310	Office	96	11		96									11							
26	311	Office	167	59			157	10								59	0					
26	391	Recreation	197	61	26			4	12		155			3			2	9		47		
26	503	Retail	35	15				4			31						1			14		
26	504	Retail	209	74				13			196						1			73		
26	507	School	12	8				1			3	4	4				1			3	0	4

Zone		Landuse	Capacity	Demand					Capacit	ty								Demand	t			_ _
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
26	557	School	16	9				1			9		6				0			7		2
Zone :	26 Sub	ototal	882	298	26	96	157	38	12		478	5	70	3	11	59	6	9		200	1	9
27	120	Industrial	160	78																		
27	125	Industrial	149	82							32		117							32		50
27	142	Industrial	117	57																		
27	143	Industrial	40	19																		
27	144	Industrial	50	24																		
27	145	Industrial	9	4																		
27	178	Misc	8	3									8									3
27	276	Office	232	190	220	6		6						181	5		2					2
27	277	Office	40	19		40									19							
27	327	PofWorship	45	29		45									29							
27	328	PofWorship	51	37				1					50				0					37
27	365	Recreation	145	26	13	113	2	16				1		0	0	0	16				0	10
27	366	Recreation	205	35		192		8	2			3			32		1	2			0	
27	376	Recreation	14	4		14									4							
27	393	Recreation	44	20				4					40				3					17
27	422	Retail	56	10									56									10
27	425	Retail	36	27							36									27		
27	450	Retail	253	75				6	15		232						2	5		68		
27	451	Retail	169	40			163	4	2							38	0	2				
27	452	Retail	51	14				3	2		46						0	0		14		
27	453	Retail	84	70			32	2					50			24	0					46
27	478	Retail	20	15									20									15
27	479	Retail	36	52	6	30								6	30							16
27	480	Retail	15	8		15									8							
27	481	Retail	77	71			75	2								69	2					
27	482	Retail	77	50		77									50							
27	531	School	38	23			32	2		2		2				22	0		0		1	
27	556	School	46	24		42		4							24		0					
Zone :	27 Sub	ototal	2267	1107	239	574	304	58	21	2	346	6	341	187	201	153	26	9	0	141	1	206

Zone		Landuse	Capacity	Demand					Capacit	ty								Demand	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child		Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown		Not Marked
28	121	Industrial	24	12																		
28	179	Misc	210	124		210																
28	180	Industrial	74	36																		
28	181	Misc	118	90				2			116						0			90		
28	182	Misc	120	65			120									65						
28	228	Office	192	110		191		1														
28	229	Office	45	2		43		2							0		0					2
28	460	Retail	380	177		360		20														
Zone 2	28 Sub	ototal	1163	616		804	120	25			116				0	65	0			90		2
29	10	Health	36	20			33	3								19	1					
29	78	Hotel	24	9			9						15			3						6
29	114	Industrial	7	1									7									1
29	115	Industrial	17	4		17									4							
29	116	Industrial	145	73		21	92	4			7	11	10		17	38	2			5	3	8
29	117	Industrial	29	29									29									29
29	118	Industrial	15	9									15									9
29	119	Industrial	10	7			10									7						
29	201	Office	53	28									53									28
29	226	Office	10	3			10									3						
29	227	Office	126	79			122	2		2						79	0		0			
29	323	PofWorship	15	7									15									7
29	326	PofWorship	25	5							25									5		
29	423	Retail	29	16				2			27						0			16		
29	424	Retail	23	7							23									7		
Zone 2	29 Sub	ototal	564	297		38	276	11		2	82	11	144		21	149	3		0	33	3	88
30	19	Health	21	11		18		3							11		0					
30	83	Hotel	57	30				6			51						1			29		
30	273	Office	8	5	8									5								
30	375	Recreation	36	2																		2
30	473	Retail	824	547			733	54	37							465	51	31				
30	474	Retail	39	12							39									12		

Zone		Landuse	Capacity	Demand					Capacit	ty								Demand	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
30	475	Retail	14	8		6							8		0							8
30	476	Retail	13	1		13									1							
30	477	Retail	7	1									7									1
Zone 3	30 Sub	ototal	1019	617	8	37	733	63	37		90		15	5	12	465	52	31		41		11
31	126	Industrial	18	4									18									4
31	138	Industrial	21	8		2					19				2					6		
31	139	Industrial	20	15	1	2				1	16			1	2				0	12		
31	140	Industrial	25	7				1			24						0			7		
31	141	Industrial	29	18			26	3								16	2					
31	192	Misc	69	34							65	4								34	0	
31	274	Office	41	24							38	3								24	0	
31	346	PofWorship	25	0									25									0
31	374	Recreation	32	5				3			29						0			5		
31	454	Retail	114	18				1			113						0			18		
31	455	Retail	115	42									115									42
31	456	Retail	484	173				24	16		444						11	8		154		
31	467	Retail	5	1				1			4						0			1		
31	468	Retail	65	48		20					11		34		16					9		23
31	469	Retail	29	14							29									14		
31	470	Retail	8	7				1			7						0			7		
31	471	Retail	12	8							12									8		
31	472	Retail	11	7							11									7		
Zone 3	31 Sub	ototal	1123	433	1	24	26	34	16	1	822	7	192	1	20	16	13	8	0	306	0	69
32	247	Office	168	78	35	15		16			102			35	13		0			30		
32	248	Office	10	7		9		1							6		1					
32	371	Recreation	74	19				6			18		50				1			14		4
32	421	Retail	8	0							8									0		
Zone 3	32 Sub	ototal	260	104	35	24		23			128		50	35	19		2			44		4
33	77	Hotel	30	8							5		25							0		8
33	94	Hotel	12	1							12									1		
33	306	Health	10	5									10									5

Zone		Landuse	Capacity	Demand					Capaci	ty								Deman	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
33	530	School	6	1									6									1
Zone 3	33 Sub	ototal	58	15							17		41							1		14
34	413	Retail	3	1							3									1		
34	420	Hotel	4	2									4									2
34	523	School	10	7				3			7						1			6		
Zone 3	34 Sub	ototal	17	10				3			10		4				1			7		2
35	9	Health	4	3		4									3							
35	200	Office	11	8				2			9						2			6		
35	414	Retail	7	7									7									7
Zone 3	35 Sub	ototal	22	18		4		2			9		7		3		2			6		7
36	6	Health	23	15				2			21						0			15		
36	7	Health	14	6		10		4							6		0					
36	8	Health	42	32	26	9		6		1				26	5		0		1			
36	191	Misc	29	27	4	1					24			2	1					24		
36	322	PofW orship	17	2				2		1	14						0		0	2		
36	524	School	19	12		17		2							12		0					
Zone 3	36 Sub	ototal	144	94	30	37		16		2	59			28	24		0		1	41		
37	101	Industrial	10	3									10									3
37	102	Industrial	25	10									25									10
37	199	Office	50	21									50									21
Zone 3	37 Sub	ototal	85	34									85									34
38	127	Industrial	152	62	130	22								48	14							
38	128	Industrial	147	9	44			2			63		38	0			0			9		0
38	129	Industrial	10	7									10									7
38	130	Industrial	11	9						1	10								1	8		
38	131	Industrial	126	38	84			2			25		15	26			0			5		7
38	132	Industrial	54	45	39					1		10	4	39					0		6	0
38	249	Office	75	73	33	4		2			36			33	4		0			36		
38	250	Office	105	0	62								43	0								0
38	251	Office	69	0	56			7		1			5	0			0		0			0
38	252	Office	84	0	79								5	0								0

Zone		Landuse	Capacity	Demand					Capacit	ty								Demand				
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
38	253	Office	158	102				2			156						2			100		
38	254	Office	97	89	80	12		4				1		80	7		2				0	
38	255	Office	92	53	87		3	2						49		3	1					
38	256	Office	640	326	134	8		11			487			0	8		3			315		
38	257	Office	468	304			442	21		1		4				290	4		1		4	5
38	258	Office	296	331	286			5		5				286			3		3			39
38	462	Retail	18	10							18									10		
38	463	Retail	68	44									68									44
Zone 3	38 Sub	ototal	2670	1502	1114	46	445	58		9	795	15	188	561	33	293	15		5	483	10	102
39	1	Health	17	14			15	2								13	1					
39	5	Health	6	4									6									4
39	70	Hotel	7	0	3								4	0								0
39	71	Hotel	7	7		7									7							
39	99	Industrial	11	9			10	1								9	0					
39	100	Industrial	57	41			51	6								39	2					
39	173	Misc	14	11	1			2			11			1			1			9		
39	198	Misc	8	2				8									2					
39	319	PofWorship	20	5			20									5						
39	320	PofWorship	18	6									18									6
39	358	Recreation	15	10							13		2							8		2
39	394	Retail	11	8				1			10						1			7		
39	397	Retail	55	2									55									2
39	398	Retail	12	10		11		1							9		1					
39	399	Retail	11	1			10	1								1	0					
39	401	Retail	23	6				2			21						0			6		
39	409	Retail	40	9			38	2								9	0					
39	459	Retail	150	88	147			3						87			1					
39	509	School	58	28	45	12		1						16	12		0					
39	510	School	30	25	29			1						25			0					
39	511	School	94	54			61	3			10		20			43	2			6		3
39	512	School	29	17	5	17		2				5		2	12		0				1	2

		Landuse	Capacity	Demand					Capaci	ty								Demand	t			
	No				Staff	Visitor	Mixed	Disabled Only		Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
39	574	School	50	26		48		2							26		0					
Zone :	39 Sub	ototal	743	383	230	95	205	38			65	5	105	131	66	119	11			36	1	19
40	72	Hotel	6	3									6									3
40	176	Misc	20	8		16						4			7						1	
40	321	PofWorship	31	15				4			27						1			14		
40	408	Retail	6	4									6									4
40	410	Retail	2	2									2									2
40	411	Retail	10	4									10									4
40	412	Retail	14	5		14									5							
40	518	School	28	27		23		1				4			23		0				2	2
40	519	School	30	10									30									10
40	520	School	36	26				2			34						1			25		
40	521	School	54	48		48		2			4				46		1			1		
40	522	School	7	6									7									6
Zone 4	40 Sub	ototal	244	158		101		9			65	8	61		81		3			40	3	31
41	315	Retail	62	20	2			5			55			0			1			19		
41	316	PofWorship	18	0				2					16				0					0
41	317	PofWorship	6	2				6									2					
41	318	PofWorship	20	6			20									6						
41	395	Retail	94	76			84	10								70	6					
41	396	Retail	20	13			20									13						
41	407	Retail	14	5									14									5
Zone 4	41 Sub	ototal	234	122	2		124	23			55		30	0		89	9			19		5
42	175	Retail	14	5							9		5							3		2
42	177	Misc	7	3				7									3					
42	361	Retail	51	23							51									23		
42	405	Retail	10	9							10									9		
42	406	Retail	7	3									7									3
42	515	School	32	17		28		4							14		3					
Zone 4	42 Sub	ototal	121	60		28		11			70		12		14		6			35		5
43	76	Hotel	13	12				2			11						0			12		

Zone		Landuse	Capacity	Demand					Capaci	ty								Demand	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
43	219	Office	39	11									39									11
43	221	Office	53	29	53									29								
43	325	PofWorship	49	37		13	25	4			7				9	21	0			7		
43	419	Retail	8	6				1	1		6						1	1		4		
43	516	School	45	45	42			2		1				36			0		0			9
43	517	School	85	51	45	38		2						34	17		0					
Zone 4	I3 Sub	total	292	191	140	51	25	11	1	1	24		39	99	26	21	1	1	0	23		20
44	75	Hotel	63	21							63									21		
44	217	Office	28	16				2			26						0			16		
44	218	Office	79	46							79									42		4
44	220	Office	30	15		28		2							10		0					5
44	222	Office	4	2		4									2							
44	312	Office	11	9	2			1			8			2			1			6		
44	313	Office	18	14				1			17						1			13		
Zone 4	l4 Sub	total	233	123	2	32		6			193			2	12		2			98		9
45	208	Office	12	8							12									8		
45	209	Office	9	8							9									8		
45	210	Office	255	189						10	245								4	185		
45	211	Office	37	32	27			10						27			5					
45	213	Office	17	13		2		2			13				0		0			13		
45	214	Office	54	51				1			53						0			51		
45	215	Office	5	0				4				1					0				0	
45	216	Office	59	39				2			41	16					0			39	0	
45	324	PofWorship	21	14							21									14		
45	416	Retail	5	4								5									4	
45	602	University	29	13	10			1					18	6			0					7
45	603	University	15	10																		
45	604	University	64	53	12			2			50			8			1			44		
45	606	University	22	14		22																
Zone 4	15 Sub	ototal	604	447	49	24		22		10	444	22	18	41	0		6		4	362	4	7
46	112	Industrial	14	7							14									7		

Zone		Landuse	Capacity	Demand					Capaci	ty								Demand	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
46	113	Industrial	28	0							28									0		
46	403	Retail	45	39				5	3		37						1	3		35		
46	404	Retail	56	13							56									13		
46	415	Retail	7	1									7									1
46	528	PofWorship	7	5				1					6				0					5
Zone 4	16 Sub	ototal	157	65				6	3		135		13				1	3		55		6
47	4	Health	8	8									8									8
47	359	Recreation	15	0									15									0
47	402	Retail	33	20							22		11							10		10
47	514	School	17	13		15		2							13		0					
Zone 4	17 Sub	ototal	73	41		15		2			22		34		13		0			10		18
48	111	Industrial	85	72			71	2					12			60	0					12
Zone 4	18 Sub	ototal	85	72			71	2					12			60	0					12
49	64	Health	25	18									25									18
49	68	Hotel	67	12				4			59		4				1			11		0
49	74	Hotel	80	76				3			61		16				0			61		15
49	205	Office	18	21		2					16				2					13		6
49	206	Office	18	18									18									18
49	207	Office	31	24							31									24		
49	212	Office	140	77	10	7					123			5	6					66		
49	591	University	69	54				3			66						0			54		
49	592	University	31	21				1			26	4					0			15	4	2
49	593	University	192	157	40	67	74	2			9			37	60	31	1			8		20
49	594	University	116	105			96	4		4			12			89	3		2			11
49	595	University	66	44			58	2		6						43	1		0			
49	600	University	52	41							46	2	4							38	0	3
49	601	University	70	28				2			68						0			26		2
49 Sui	n		975	696	50	76	228	21		10	505	6	79	42	68	163	6		2	316	4	95
50	202	Office	81	99			73	2			6					69	1			5		24
50	203	Office	7	6							7									6		
50	204	Office	38	34									38									34

Zone		Landuse	Capacity	Demand					Capacit	ty								Demand	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
50	526	School	18	15									18									15
50	527	School	6	4									6									4
50	576	University	60	44		56		1		3					41		0		3			
50	577	University	15	14		14		1							13		1					
50	579	University	108	83	108									83								
50	580	University	101	73		97		2		2					71		0		2			
50	581	University	138	30		126		8		4					29		1		0			
50	582	University	71	27		65		4		2					27		0		0			
50	583	University	73	41		73									41							
50	584	University	78	48		75		3							48		0					
50	585	University	108	62		103		5							62		0					
50	586	University	23	8		22		1							8		0					
50	587	University	80	65		79		1							57		1					7
50	588	University	164	68		164									68							
50	589	University	42	28			22				20					8				19		1
50	590	University	41	20				4	7		26	4					1	0		15	4	
50	596	University	11	8	11									8								
50	597	University	82	47	82									47								
50	598	University	12	10		8		4							7		3					
50	599	University	295	183		280		15							182		1					
50	613	University	9	9			9									9						
50	706	University	10	3				2					8				0					3
Zone 5	50 Sub	ototal	1671	1029	201	1162	104	53	7	11	59	4	70	138	654	86	9	0	5	45	4	88
51	96	Hotel	59	41			47					2	10			36					1	4
51	532	School	20	19									20									19
51	534	School	10	4		10									4							
51	535	School	94	62	20		71	1				2		11		48	1				2	
51	573	School	20	19								20									19	
51	609	University	17	11			1						16									
51	610	University	15	10		15																
51	611	University	86	44		85		1							44		0					
		,																				

Zone		Landuse	Capacity	Demand					Capaci	ty								Demand	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
51	614	University	6	1									6									1
51	693	University	154	139	84	63		6		1				56	58		0		0			25
51	694	University	10	9									10									9
51	695	University	35	32							35									32		
51	696	University	10	5		10									5							
51	697	University	90	67							90									67		
51	698	University	20	5		18		1		1					5		0		0			
Zone	51 Sub	total	646	467	104	201	119	9		2	125	24	62	67	116	84	1		0	99	22	58
52	443	Retail	21	1	1	1		1			1	1	16	0	0		0			0	0	1
52	544	School	5	5									5									5
52	549	School	15	10									15									10
52	616	University	14	14		8							6		8							6
52	625	University	23	16							23									16		
52	626	University	6	4				1			5											
52	627	University	17	11	8							9										
52	628	University	13	8									13									
52	638	University	22	19							22									19		
52	639	University	28	0							28									0		
52	640	University	8	7									8									7
52	641	University	8	5									8									5
52	642	University	35	27			34	1								27	0					
52	643	University	27	22							27									22		
52	646	University	52	22				2			50						1			45		
52	647	University	21	21									21									21
52	699	University	15	9									15									9
52	700	University	14	12	14									11								1
52	701	University	7	4	6			1						4			0					
52	702	University	27	19	1						11		15	0						9		10
52		University	7	7							7									7		
52	704	University	5	6	5									5								1
Zone !	52 Sub	total	390	249	35	9	34	6			174	10	122	20	8	27	1			118	0	76

Zone		Landuse	Capacity	Demand				Capacit	ty								Demand	d			
	No				Staff Visito	r Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
53	615	University	40	18						40									18		
53	629	University	84	51			1		4	78	1					0		1	50	0	
53	630	University	26	17						23	3								16	1	
53	631	University	4	0						4									0		
53	632	University	9	0		8				1					0				0		
Zone 5	3 Sub	total	163	86		8	1		4	146	4				0	0		1	84	1	
54	122	Industrial	30	23						30									23		
54	370	Recreation	65	56	60		5							56		0					
54	444	Retail	12	2								12									2
54	545	School	4	3								4									3
54	550	School	10	7								10									7
Zone 5	4 Sub	total	121	91	60		5			30		26		56		0			23		12
55	427	Retail	8	4	7		1							4		0					
55	428	Retail	4	0								4									0
Zone 5	5 Sub	total	12	4	7		1					4		4		0					0
56	29	Health	1058	823			64			994						18			805		
56	33	Health	22	22		14			8						14			8			
56	35	Health	57	47			2			55						0			47		
56	36	Health	42	29						42									29		
56	37	Health	1266	1175			55			1211						24			1151		
56	38	Health	272	156	272									156							
56	39	Health	10	2						10									2		
56	40	Health	5	4		5									4						
56	43	Health	18	18		6			3	2		7			6			3	2		7
56	44	Health	24	23		17						7			16						7
56	46	Health	20	18		20									18						
56	47	Health	16	9		7				9					6				3		
56	48	Health	15	3			9			6						0			3		
56	52	Health	5	5		4						1			4						1
56	53	Health	170	75		157		5		8					72		3		0		
56	54	Health	6	0								6									0

Zone	Site	Landuse	Capacity	Demand					Capacit	y								Demand	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
56	653	University	38	23			24					12	2			16					5	2
56	655	University	5	5	4			1						4			1					
56	656	University	17	17	10		3					4		10		3					4	
Zone 8	56 Sub	ototal	3066	2454	14	272	257	131	5	11	2337	16	23	14	156	159	43	3	11	2042	9	17
58	259	Office	203	54		188				1		12	2		52				0		2	0
58	260	Office	202	57	51	3		1			133		14	0	0		0			57		0
58	261	Office	318	102	75	7				2	231		3	0	1				0	101		0
58	262	Office	323	265	233	22		2		15			51	191	38		0		6			30
58	263	Office	239	188			1	4			234					0	1			187		
58	264	Office	504	300			18	6		2	473	5				10	1		3	281	5	
58	265	Office	105	30			8	1			96					0	0			30		
58	266	Office	111	80				2			109						0			80		
58	267	Office	257	30	130			2		3	116	1	5	0			0		0	30	0	0
58	268	Office	701	286	216		10	5		12	334		124	0		9	2		3	272		0
58	269	Office	370	0	302			14					54	0			0					0
58	270	Office	789	585		17		8		1	759	4			3		3		1	573	1	4
58	271	Office	859	443		18		14	2		824	1			5		1	2		434	1	
58	272	Office	395	218	178	16	33	4			144	20		134	10	9	0			54	11	
58	552	School	1018	617	8	18		14		6	939	33		8	4		5		6	576	18	
58	553	School	517	218	3					1	501	12		3					1	214	0	
Zone	58 Sub	ototal	6911	3473	1196	289	70	77	2	43	4893	88	253	336	113	28	13	2	20	2889	38	34
59	65	Hotel	130	12	10	112		8						0	12		0					
59	66	Hotel	96	8		89		7							5		3					
59	67	Hotel	24	0		24									0							
59	172	Misc	11	10		9		2							9		1					
59	357	Recreation	21	0				2			19						0			0		
59	508	School	31	25	30			1						24			1					
Zone 5	59 Sub	ototal	313	55	40	234		20			19			24	26		5			0		
60	505	Retail	424	152			374	25	24	1						136	12	4	0			
Zone 6	60 Sub	ototal	424	152			374	25	24	1						136	12	4	0			
61	87	Hotel	50	19				14			36						1			18		

Zone		Landuse	Capacity	Demand					Capaci	ty								Deman	d			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child		Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
61	146	Industrial	27	18							27									18		
61	147	Industrial	30	4		7		1			22				4		0			0		
61	148	Industrial	14	8							14									8		
61	149	Industrial	6	3									6									3
61	150	Industrial	6	2									6									2
61	151	Industrial	4	2									4									2
61	152	Industrial	4	2									4									2
61	153	Industrial	6	3									6									3
61	154	Industrial	7	4	2								5	2								2
61	155	Industrial	6	12									6									12
61	156	Industrial	21	16							9		12							9		7
61	157	Industrial	12	8							12									8		
61	158	Industrial	5	1							5									1		
61	159	Industrial	4	2							4									2		
61	160	Industrial	167	111			165	2								109	2					
61	161	Industrial	14	7				4			10						0			7		
61	279	Office	114	62			113	1								61	1					
61	378	Recreation	7	8							7									7		1
61	490	Retail	13	6				1			12						0			6		
61	491	Retail	11	11							11									8		3
Zone	61 Sub	ototal	1154	491	2	7	278	49			769		49	2	4	170	5			273		37
62	103	Industrial	53	50	24	29								24	26							
62	104	Industrial	28	9		28									9							
62	105	Industrial	159	86	141	5		3					10	83	1		2					0
62		Industrial	63	22				1			41		21				0			19		3
62	107	Office	13	5		11		1				1			3		1				1	
62	108	Industrial	7	5		2					5				2					3		
62	109	Industrial	20	24		20									17							7
62	110	Industrial	156	66	11	9		1			109	26		9	9		0			48	0	
Zone	62 Sub	ototal	499	267	176	104		6			155	27	31	116	67		3			70	1	10
63	2	Health	42	41	9			2			30	1		9			2			30	0	

Zone		Landuse	Capacity	Demand					Capacit	ty								Deman	b			
	No				Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked	Staff	Visitor	Mixed	Disabled Only	Parent & Child	Motor cycle	Type Unknown	Other	Not Marked
63	3	Health	12	5							12									5		
63	174	Misc	24	5				2			7	1	14				0			2	0	3
63	400	Retail	7	2							4		3							0		2
63	513	School	55	38		51		2		2					38		0		0			
63	525	School	5	2		5									2							
Zone 6	3 Sub	ototal	145	93	9	56		6		2	53	2	17	9	40		2		0	37	0	5
64	364	Recreation	8	3									8									3
Zone 6	4 Sub	ototal	8	3									8									3
65	84	Hotel	8	1									8									1
65	123	Industrial	41	29		33		6					2		23		6					0
65	124	Industrial	136	110			128	8								107	3					
65	445	Retail	15	5				1			14						0			5		
65	446	Retail	20	0							20									0		
65	447	Retail	187	60				11	2		174						3	1		56		
65	448	Retail	288	85			261	25				2				78	7				0	
65	449	Retail	15	12			13	1				1				11	0				1	
65	464	Retail	77	4							77									4		
65	465	Retail	97	46				6			91						0			46		
65	466	Retail	61	35				4			57						3			32		
Zone 6	5 Sub	ototal	945	387		33	402	62	2		433	3	10		23	196	22	1		143	1	1
66	605	Industrial	25	12																		
66	681	Industrial	10	5																		
66	682	University	3	2							3									2		
Zone 6	6 Sub	ototal	38	19							3									2		
Grand	Total		41962	23989	5500	5644	5999	1261	206	315	18038	459	2987	3068	2508	3642	415	94	186	10681	244	1576

Source: 2016 survey results

B. PNR Capacity Results

B.1 PNR Capacity Results by Zone

Table 9: Total measured 2016 PNR capacity by zone and comparison with previous survey result

Zone	Total Capaci	ty (spaces)	Chan	ge
	2016 Survey Result	1989/90 Survey	Absolute Change	% Change
1	0	25	-25	-100.0%
2	89	268	-179	-66.8%
3	123	337	-214	-63.5%
4	440	1157	-717	-62.0%
5	300	447	-147	-32.9%
3	61	189	-128	-67.7%
7	7	204	-197	-96.6%
3	488	1040	-552	-53.1%
9	87	876	-789	-90.1%
10	763	891	-128	-14.4%
11	311	816	-505	-61.9%
12	416	160	256	+160.0%
13	842	664	178	+26.8%
14	385	467	-82	-17.6%
15	1849	2027	-178	-8.8%
16	295	1888	-1593	-84.4%
17	34	314	-280	-89.2%
18	132	386	-254	-65.8%
19	554	511	43	+8.4%
20	2151	290	1861	+641.7%
21	273	468	-195	-41.7%
22	968	676	292	+43.2%
23	542	532	10	+1.9%
24	309	569	-260	-45.7%
25	628	791	-163	-20.6%
26	882	605	277	+45.8%
27	2267	789	1478	+187.3%
28	1163	930	233	+25.1%
29	564	833	-269	-32.3%
30	1019	1331	-312	-23.4%
31	1123	1064	59	+5.5%
32	260	472	-212	-44.9%
33	58	126	-68	-54.0%
34	17	70	-53	-75.7%

Zone	Total Capa	city (spaces)	CI	hange
35	22	516	-494	-95.7%
36	144	406	-262	-64.5%
37	85	302	-217	-71.9%
38	2670	955	1715	+179.6%
39	743	823	-80	-9.7%
40	244	208	36	+17.3%
41	234	296	-62	-20.9%
42	121	190	-69	-36.3%
43	292	556	-264	-47.5%
44	233	402	-169	-42.0%
45	604	1007	-403	-40.0%
46	157	143	14	+9.8%
47	73	110	-37	-33.6%
48	85	284	-199	-70.1%
49	975	957	18	+1.9%
50	1671	1211	460	+38.0%
51	646	575	71	+12.3%
52	390	587	-197	-33.6%
53	163	320	-157	-49.1%
54	121	175	-54	-30.9%
55	12	36	-24	-66.7%
56	3066	2021	1045	+51.7%
58	6911	2514	4397	+174.9%
59	313	28	285	+1017.9%
60	424	580	-156	-26.9%
61	528	1217	-689	-56.6%
62	499	321	178	+55.5%
63	145	29	116	+400.0%
64	8	31	-23	-74.2%
65	945	1076	-131	-12.2%
66	38	206	-168	-81.6%
67	0	128	-128	-100.0%

Source: 2016 surveys and Buchanan Report

C. PNR Demand Results

C.1 PNR Demand Results by Zone

Table 10: Total measured 2016 PNR capacity by zone and comparison with previous survey result

Zone	Total Demar	nd (spaces)	Chan	ge
	2016 Survey Result	1989/90 Survey	Absolute Change	% Change
1	0	23	-23	-100.0%
2	63	242	-179	-74.0%
3	74	246	-172	-70.0%
4	239	1020	-781	-76.6%
5	151	327	-176	-53.8%
3	48	164	-116	-70.7%
7	0	174	-174	-100.0%
8	364	708	-344	-48.6%
9	55	792	-737	-93.0%
10	240	581	-341	-58.7%
11	174	565	-391	-69.2%
12	205	95	110	115.6%
13	394	393	1	+0.3%
14	213	337	-124	-36.7%
15	1257	1384	-127	-9.1%
16	163	1586	-1423	-89.7%
17	25	199	-174	-87.4%
18	52	167	-115	-68.6%
19	307	427	-120	-28.1%
20	1738	266	1472	+553.4%
21	134	140	-6	-4.2%
22	659	306	353	+115.4%
23	200	251	-51	-20.3%
24	226	296	-70	-23.6%
25	363	442	-79	-17.9%
26	298	346	-48	-13.9%
27	1107	474	633	+133.6%
28	616	876	-260	-29.6%
29	297	605	-308	-50.9%
30	617	799	-182	-22.8%
31	433	574	-141	-24.6%
32	104	411	-307	-74.7%
33	15	50	-35	-70.0%
34	10	29	-19	-65.5%

Zone	Total Demand (spaces)		Change		
35	18	404	-386	-95.5%	
36	94	299	-205	-68.6%	
37	34	187	-153	-81.8%	
38	1502	528	974	+184.5%	
39	383	484	-101	-20.9%	
40	158	90	68	+75.6%	
41	122	101	21	+20.8%	
42	60	106	-46	-43.4%	
43	191	362	-171	-47.2%	
44	123	303	-180	-59.4%	
45	447	770	-323	-41.9%	
46	65	80	-15	-18.8%	
47	41	57	-16	-28.1%	
48	72	169	-97	-57.4%	
49	696	509	187	+36.7%	
50	1029	719	310	+43.1%	
51	467	469	-2	-0.4%	
52	249	410	-161	-39.3%	
53	86	198	-112	-56.6%	
54	91	110	-19	-17.3%	
55	4	14	-10	-71.4%	
56	2454	2134	320	+15.0%	
58	3473	1696	1777	+104.8%	
59	55	16	39	+243.8%	
60	152	224	-72	-32.1%	
61	309	789	-480	-60.8%	
62	267	240	27	+11.3%	
63	93	17	76	+447.1%	
64	3	5	-2	-40.0%	
65	387	621	-234	-37.7%	
66	19	148	-129	-87.1%	
67	0	93	-93	-100.0%	

Source: 2016 surveys and Buchanan Report

D. PNR Utilisation Results

D.1 PNR Utilisation Results by Zone

Table 11: Total measured 2016 PNR utilisation by zone and comparison with previous survey result

Zone	Total Utilisation (demand/capacity)		Absolute Change
	2016 Survey Result	1989/90 Survey	_
1		92.0%	-92.0%
2	70.8%	90.3%	-19.5%
3	60.1%	73.0%	-12.9%
1	54.3%	88.2%	-33.8%
5	50.3%	73.2%	-22.8%
3	78.7%	86.8%	-8.1%
,	0.0%	85.3%	-85.3%
3	74.6%	68.1%	+6.5%
)	63.3%	90.4%	-27.1%
10	31.4%	65.2%	-33.8%
1	55.9%	69.2%	-13.3%
12	49.2%	59.4%	-10.1%
13	46.8%	59.2%	-12.4%
4	55.4%	72.2%	-16.8%
5	68.0%	68.3%	-0.3%
6	55.3%	84.0%	-28.8%
7	73.5%	63.4%	+10.2%
8	39.8%	43.3%	-3.5%
9	55.4%	83.6%	-28.1%
20	80.8%	91.7%	-10.9%
21	49.1%	29.9%	+19.2%
22	68.1%	45.3%	+22.8%
23	36.9%	47.2%	-10.2%
24	73.2%	52.0%	+21.2%
:5	57.8%	55.9%	+1.9%
:6	33.8%	57.2%	-23.4%
.7	48.8%	60.1%	-11.2%
8	53.0%	94.2%	-41.2%
9	52.7%	72.6%	-20.0%
0	60.5%	60.0%	+0.5%
31	38.6%	53.9%	-15.4%
32	40.0%	87.1%	-47.1%
33	25.9%	39.7%	-13.8%
34	58.8%	41.4%	+17.4%

Zone	Total Utilisation (demand/capacity)		Absolute Change
35	81.8%	78.3%	+3.5%
36	65.3%	73.6%	-8.4%
37	40.0%	61.9%	-21.9%
38	56.3%	55.3%	+1.0%
39	51.5%	58.8%	-7.3%
40	64.8%	43.3%	+21.5%
41	52.1%	34.1%	+18.0%
12	49.6%	55.8%	-6.2%
13	65.4%	65.1%	+0.3%
14	52.8%	75.4%	-22.6%
45	74.1%	76.5%	-2.4%
46	41.4%	55.9%	-14.5%
47	56.2%	51.8%	+4.3%
48	84.7%	59.5%	+25.2%
49	71.4%	53.2%	+18.2%
50	61.6%	59.4%	+2.2%
51	72.3%	81.6%	-9.2%
52	63.8%	69.8%	-6.0%
53	52.8%	61.9%	-9.1%
54	75.2%	62.9%	+12.3%
55	33.3%	38.9%	-5.6%
56	80.0%	105.6%	-25.6%
58	50.3%	67.5%	-17.2%
59	17.6%	57.1%	-39.6%
60	35.8%	38.6%	-2.8%
61	58.5%	64.8%	-6.3%
62	53.5%	74.8%	-21.3%
63	64.1%	58.6%	+5.5%
64	37.5%	16.1%	+21.4%
35	41.0%	57.7%	-16.8%
66	50.2%	71.8%	-21.7%
67		72.7%	-72.7%

Source: 2016 surveys and Buchanan Report