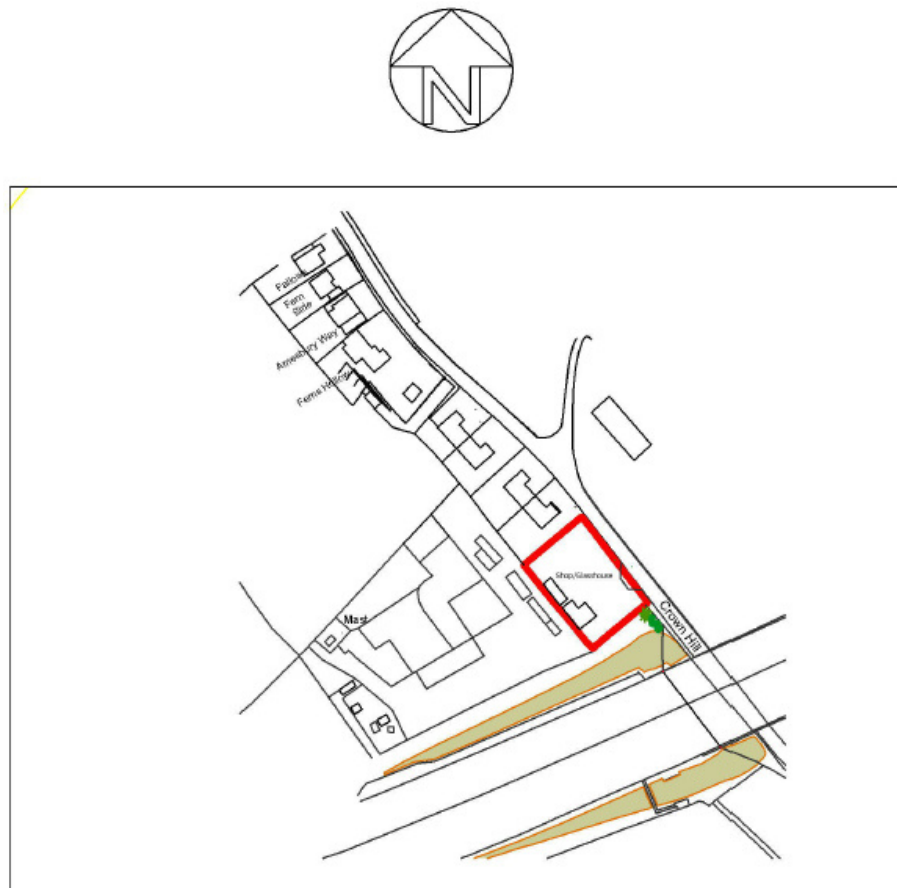


**Proposed Residential Development**  
**Crown Hill Garden Centre, Crown Hill**  
**WB/190816/TN02- 04 March 2020**

## Introduction

1. SCP is instructed to review and report upon the anticipated difference in traffic flow between the Crown Hill Garden Centre and the proposed development of 2 dwelling houses. A planning application was registered with the Local Planning Authority (Ref EPF/1709/19) on land at Crown Hill Garden Centre. Figure 1 below identifies the location of the site.

**Figure 1 – Site Location Plan**



2. We have reviewed the application submission and note that within the site there are 10 parking spaces. Additionally, we are informed by the applicant's agent that there were 4 full time employees plus 2 part time employees. There was also a farm shop with a retail area of 68 sqm together with a storage area of 35 sqm.

3. As a garden centre the site has the potential to attract vehicles to and from the site. It is accepted that the attraction of a garden centre is seasonal for customers however the employees would be likely to generate movements throughout the year.
4. We have referred to the industry standard TRICs database to assess the potential movements associated with the garden centre. We have reviewed the database in two ways, the first is based upon the no of parking spaces on site, ie 10 and the second approach is based upon the number of employees, ie 4 people.
5. The TRICS output is attached at Appendix 1 (per no of parking spaces) and Appendix 2 (e employee) and it should be noted that the data refers only to weekends. The table below summarises the anticipated daily movements for a weekend day

TRICS CATEGORY	TIME FRAME	DAILY FLOW IN VEHICLES (WEEKEND)		
		ARRS	DEPS	TWO WAY
<b>NO OF PARKING SPACES</b>	<b>0800 TO 1900</b>	39 vehs	40 vehs	79 vehs
<b>NO OF STAFF</b>	<b>0800 TO 1900</b>	37 vehs	38 vehs	75 vehs

6. We have utilised the category based upon staff numbers and the garden centre would be anticipated to attract 150 vehicles (total two way) over the weekend.
7. The attraction of the site during the weekdays is likely to be lower and in order to assess the anticipated level of movement we have assumed each employee arrives by car and leaves by car. On that basis the site would be anticipated to generate 8 vehicles per day (total two way) and 40 vehicles per week (total two way).
8. The Garden Centre therefore has the potential to attract 190 vehicles (total to way) per week.
9. The proposed dwellings will be available for private sale and therefore we have utilised the privately owner houses category from the Industry Standard TRICs database. The TRICs printout is attached at Appendix 3 and the table below summaries the results.

	TIME FRAME	DAILY FLOW IN VEHICLES		
		ARRS	DEPS	TWO WAY
<b>PRIVATE HOUSES</b>	<b>0700 TO 1900</b>	6 vehs	6 vehs	12 vehs

10. On the above basis the two houses would be anticipated to generate  $12 \times 7 = 84$  vehicles per week.

### **Summary**

11. On the basis of the above assessment it is clear that the proposed development of 2 dwellings on the site of the Crown Hill Garden Centre would be likely to generate materially lower levels of traffic movement than the Garden Centre.

**S|C|P**

**APPENDICES**

**S|C|P**

## **APPENDIX 1**

Calculation Reference: AUDIT-726001-200303-0317

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

Land Use : 01 - RETAIL  
 Category : H - GARDEN CENTRE

**MULTI-MODAL VEHICLES**Selected regions and areas:

<b>02 SOUTH EAST</b>	
SC SURREY	1 days
<b>03 SOUTH WEST</b>	
SM SOMERSET	1 days

*This section displays the number of survey days per TRICS® sub-region in the selected set*

**Secondary Filtering selection:**

*This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.*

Parameter: Parking spaces  
 Actual Range: 129 to 264 (units: )  
 Range Selected by User: 22 to 451 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/11 to 08/06/19

*This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.*

Selected survey days:

Saturday	1 days
Sunday	1 days

*This data displays the number of selected surveys by day of the week.*

Selected survey types:

Manual count	2 days
Directional ATC Count	0 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*

Selected Locations:

Suburban Area (PPS6 Out of Centre)	1
Neighbourhood Centre (PPS6 Local Centre)	1

*This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.*

Selected Location Sub Categories:

Residential Zone	1
Village	1

*This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.*

**Secondary Filtering selection:**Use Class:

A1	2 days
----	--------

*This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.*

**Secondary Filtering selection (Cont.):**Population within 1 mile:

1,001 to 5,000	1 days
10,001 to 15,000	1 days

*This data displays the number of selected surveys within stated 1-mile radii of population.*

Population within 5 miles:

75,001 to 100,000	1 days
250,001 to 500,000	1 days

*This data displays the number of selected surveys within stated 5-mile radii of population.*

Car ownership within 5 miles:

1.1 to 1.5	2 days
------------	--------

*This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.*

Petrol filling station:

Included in the survey count	0 days
Excluded from count or no filling station	2 days

*This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.*

Travel Plan:

No	2 days
----	--------

*This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.*

PTAL Rating:

No PTAL Present	2 days
-----------------	--------

*This data displays the number of selected surveys with PTAL Ratings.*

LIST OF SITES relevant to selection parameters

<b>1</b>	<b>SC-01-H-01</b>	<b>GARDEN CENTRE</b>	<b>SURREY</b>
	BURWOOD ROAD		
	HERSHAM		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Parking spaces:	129	
	Survey date: SATURDAY	08/06/19	Survey Type: MANUAL
<b>2</b>	<b>SM-01-H-01</b>	<b>GARDEN CENTRE</b>	<b>SOMERSET</b>
	YALLANDS HILL		
	NEAR TAUNTON		
	BATHPOOL		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total Parking spaces:	264	
	Survey date: SUNDAY	23/09/18	Survey Type: MANUAL

*This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.*



TRIP RATE for Land Use 01 - RETAIL/H - GARDEN CENTRE

**MULTI-MODAL VEHICLES****Calculation factor: 1 PARKING SPACES****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PARKING	Trip Rate	No. Days	Ave. PARKING	Trip Rate	No. Days	Ave. PARKING	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00									
08:00 - 09:00	1	129	0.155	1	129	0.047	1	129	0.202
09:00 - 10:00	2	197	0.219	2	197	0.076	2	197	0.295
10:00 - 11:00	2	197	0.374	2	197	0.201	2	197	0.575
11:00 - 12:00	2	197	0.560	2	197	0.379	2	197	0.939
12:00 - 13:00	<b>2</b>	<b>197</b>	<b>0.616</b>	<b>2</b>	<b>197</b>	<b>0.613</b>	<b>2</b>	<b>197</b>	<b>1.229</b>
13:00 - 14:00	2	197	0.468	2	197	0.506	2	197	0.974
14:00 - 15:00	2	197	0.527	2	197	0.527	2	197	1.054
15:00 - 16:00	2	197	0.448	2	197	0.573	2	197	1.021
16:00 - 17:00	2	197	0.226	2	197	0.552	2	197	0.778
17:00 - 18:00	1	129	0.279	1	129	0.450	1	129	0.729
18:00 - 19:00	1	129	0.008	1	129	0.109	1	129	0.117
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.880			4.033			7.913

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is:  $COUNT/TRP*FACT$ . Trip rates are then rounded to 3 decimal places.

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**Parameter summary**

Trip rate parameter range selected: 129 - 264 (units: )  
 Survey date range: 01/01/11 - 08/06/19  
 Number of weekdays (Monday-Friday): 0  
 Number of Saturdays: 1  
 Number of Sundays: 1  
 Surveys automatically removed from selection: 0  
 Surveys manually removed from selection: 0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

**S|C|P**

## **APPENDIX 2**

Calculation Reference: AUDIT-726001-200303-0310

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

Land Use : 01 - RETAIL  
 Category : H - GARDEN CENTRE

**MULTI-MODAL VEHICLES**Selected regions and areas:

<b>02 SOUTH EAST</b>	
SC SURREY	1 days
<b>03 SOUTH WEST</b>	
SM SOMERSET	1 days

*This section displays the number of survey days per TRICS® sub-region in the selected set*

**Secondary Filtering selection:**

*This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.*

Parameter: Parking spaces  
 Actual Range: 129 to 264 (units: )  
 Range Selected by User: 22 to 451 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/11 to 08/06/19

*This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.*

Selected survey days:

Saturday	1 days
Sunday	1 days

*This data displays the number of selected surveys by day of the week.*

Selected survey types:

Manual count	2 days
Directional ATC Count	0 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*

Selected Locations:

Suburban Area (PPS6 Out of Centre)	1
Neighbourhood Centre (PPS6 Local Centre)	1

*This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.*

Selected Location Sub Categories:

Residential Zone	1
Village	1

*This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.*

**Secondary Filtering selection:**Use Class:

A1	2 days
----	--------

*This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.*

**Secondary Filtering selection (Cont.):**Population within 1 mile:

1,001 to 5,000	1 days
10,001 to 15,000	1 days

*This data displays the number of selected surveys within stated 1-mile radii of population.*

Population within 5 miles:

75,001 to 100,000	1 days
250,001 to 500,000	1 days

*This data displays the number of selected surveys within stated 5-mile radii of population.*

Car ownership within 5 miles:

1.1 to 1.5	2 days
------------	--------

*This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.*

Petrol filling station:

Included in the survey count	0 days
Excluded from count or no filling station	2 days

*This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.*

Travel Plan:

No	2 days
----	--------

*This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.*

PTAL Rating:

No PTAL Present	2 days
-----------------	--------

*This data displays the number of selected surveys with PTAL Ratings.*

LIST OF SITES relevant to selection parameters

<b>1</b>	<b>SC-01-H-01</b>	<b>GARDEN CENTRE</b>	<b>SURREY</b>
	BURWOOD ROAD		
	HERSHAM		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Parking spaces:	129	
	Survey date: SATURDAY	08/06/19	Survey Type: MANUAL
<b>2</b>	<b>SM-01-H-01</b>	<b>GARDEN CENTRE</b>	<b>SOMERSET</b>
	YALLANDS HILL		
	NEAR TAUNTON		
	BATHPOOL		
	Neighbourhood Centre (PPS6 Local Centre)		
	Village		
	Total Parking spaces:	264	
	Survey date: SUNDAY	23/09/18	Survey Type: MANUAL

*This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.*

TRIP RATE for Land Use 01 - RETAIL/H - GARDEN CENTRE

**MULTI-MODAL VEHICLES****Calculation factor: 1 PARKING SPACES****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. PARKING	Trip Rate	No. Days	Ave. PARKING	Trip Rate	No. Days	Ave. PARKING	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00									
08:00 - 09:00	1	129	0.155	1	129	0.047	1	129	0.202
09:00 - 10:00	2	197	0.219	2	197	0.076	2	197	0.295
10:00 - 11:00	2	197	0.374	2	197	0.201	2	197	0.575
11:00 - 12:00	2	197	0.560	2	197	0.379	2	197	0.939
12:00 - 13:00	<b>2</b>	<b>197</b>	<b>0.616</b>	<b>2</b>	<b>197</b>	<b>0.613</b>	<b>2</b>	<b>197</b>	<b>1.229</b>
13:00 - 14:00	2	197	0.468	2	197	0.506	2	197	0.974
14:00 - 15:00	2	197	0.527	2	197	0.527	2	197	1.054
15:00 - 16:00	2	197	0.448	2	197	0.573	2	197	1.021
16:00 - 17:00	2	197	0.226	2	197	0.552	2	197	0.778
17:00 - 18:00	1	129	0.279	1	129	0.450	1	129	0.729
18:00 - 19:00	1	129	0.008	1	129	0.109	1	129	0.117
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.880			4.033			7.913

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is:  $COUNT/TRP*FACT$ . Trip rates are then rounded to 3 decimal places.

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**Parameter summary**

Trip rate parameter range selected: 129 - 264 (units: )  
 Survey date range: 01/01/11 - 08/06/19  
 Number of weekdays (Monday-Friday): 0  
 Number of Saturdays: 1  
 Number of Sundays: 1  
 Surveys automatically removed from selection: 0  
 Surveys manually removed from selection: 0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

**S|C|P**

## **APPENDIX 3**

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

Land Use : 03 - RESIDENTIAL  
 Category : A - HOUSES PRIVATELY OWNED

**MULTI-MODAL VEHICLES**Selected regions and areas:

<b>01</b>	<b>GREATER LONDON</b>	
	BN BARNET	1 days
	WF WALTHAM FOREST	1 days
<b>02</b>	<b>SOUTH EAST</b>	
	KC KENT	1 days
<b>03</b>	<b>SOUTH WEST</b>	
	DC DORSET	1 days
	WL WILTSHIRE	1 days
<b>04</b>	<b>EAST ANGLIA</b>	
	CA CAMBRIDGESHIRE	2 days
	NF NORFOLK	2 days
	SF SUFFOLK	2 days
<b>05</b>	<b>EAST MIDLANDS</b>	
	LN LINCOLNSHIRE	2 days
<b>06</b>	<b>WEST MIDLANDS</b>	
	SH SHROPSHIRE	1 days
	ST STAFFORDSHIRE	1 days
	WK WARWICKSHIRE	2 days
<b>07</b>	<b>YORKSHIRE &amp; NORTH LINCOLNSHIRE</b>	
	NY NORTH YORKSHIRE	3 days
<b>08</b>	<b>NORTH WEST</b>	
	CH CHESHIRE	3 days
	GM GREATER MANCHESTER	1 days
	LC LANCASHIRE	1 days
	MS MERSEYSIDE	1 days
<b>09</b>	<b>NORTH</b>	
	TW TYNE & WEAR	1 days

*This section displays the number of survey days per TRICS® sub-region in the selected set*

**Secondary Filtering selection:**

*This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.*

Parameter: Number of dwellings  
 Actual Range: 6 to 30 (units: )  
 Range Selected by User: 6 to 25 (units: )

Parking Spaces Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/11 to 06/06/19

*This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.*

Selected survey days:

Monday	6 days
Tuesday	6 days
Wednesday	5 days
Thursday	5 days
Friday	5 days

*This data displays the number of selected surveys by day of the week.*

Selected survey types:

Manual count	27 days
Directional ATC Count	0 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*

Selected Locations:

Edge of Town Centre	4
Suburban Area (PPS6 Out of Centre)	13



*This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.*

Selected Location Sub Categories:

Residential Zone	25
Village	1
No Sub Category	1

*This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.*

**Secondary Filtering selection:**

Use Class:

C3	27 days
----	---------

*This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.*

Population within 1 mile:

1,001 to 5,000	3 days
5,001 to 10,000	5 days
10,001 to 15,000	6 days
15,001 to 20,000	3 days
20,001 to 25,000	3 days
25,001 to 50,000	6 days
50,001 to 100,000	1 days

*This data displays the number of selected surveys within stated 1-mile radii of population.*

Population within 5 miles:

5,001 to 25,000	1 days
25,001 to 50,000	1 days
50,001 to 75,000	4 days
75,001 to 100,000	4 days
100,001 to 125,000	1 days
125,001 to 250,000	7 days
250,001 to 500,000	7 days
500,001 or More	2 days

*This data displays the number of selected surveys within stated 5-mile radii of population.*

Car ownership within 5 miles:

0.5 or Less	1 days
0.6 to 1.0	13 days
1.1 to 1.5	12 days
1.6 to 2.0	1 days

*This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.*

Travel Plan:

Yes	2 days
No	25 days

*This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.*

PTAL Rating:

No PTAL Present	25 days
2 Poor	1 days
5 Very Good	1 days

*This data displays the number of selected surveys with PTAL Ratings.*

LIST OF SITES relevant to selection parameters

<b>1</b>	<b>BN-03-A-02</b>	<b>MIXED HOUSES</b>	<b>BARNET</b>
	SWEETS WAY WHETSTONE		
	Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Number of dwellings: 21 Survey date: TUESDAY 03/07/18		Survey Type: MANUAL
<b>2</b>	<b>CA-03-A-04</b>	<b>DETACHED</b>	<b>CAMBRIDGESHIRE</b>
	PETERBOROUGH THORPE PARK ROAD Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 9 Survey date: TUESDAY 18/10/11		Survey Type: MANUAL
<b>3</b>	<b>CA-03-A-05</b>	<b>DETACHED HOUSES</b>	<b>CAMBRIDGESHIRE</b>
	EASTFIELD ROAD PETERBOROUGH		
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 28 Survey date: MONDAY 17/10/16		Survey Type: MANUAL
<b>4</b>	<b>CH-03-A-08</b>	<b>DETACHED</b>	<b>CHESHIRE</b>
	WHITCHURCH ROAD CHESTER BOUGHTON HEATH Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 11 Survey date: TUESDAY 22/05/12		Survey Type: MANUAL
<b>5</b>	<b>CH-03-A-09</b>	<b>TERRACED HOUSES</b>	<b>CHESHIRE</b>
	GREYSTOKE ROAD MACCLESFIELD HURDSFIELD Edge of Town Residential Zone Total Number of dwellings: 24 Survey date: MONDAY 24/11/14		Survey Type: MANUAL
<b>6</b>	<b>CH-03-A-11</b>	<b>TOWN HOUSES</b>	<b>CHESHIRE</b>
	LONDON ROAD NORTHWICH LEFTWICH Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 24 Survey date: THURSDAY 06/06/19		Survey Type: MANUAL
<b>7</b>	<b>DC-03-A-08</b>	<b>BUNGALOWS</b>	<b>DORSET</b>
	HURSTDENE ROAD BOURNEMOUTH CASTLE LANE WEST Edge of Town Residential Zone Total Number of dwellings: 28 Survey date: MONDAY 24/03/14		Survey Type: MANUAL
<b>8</b>	<b>GM-03-A-10</b>	<b>DETACHED/SEMI</b>	<b>GREATER MANCHESTER</b>
	BUTT HILL DRIVE MANCHESTER PRESTWICH Edge of Town Residential Zone Total Number of dwellings: 29 Survey date: WEDNESDAY 12/10/11		Survey Type: MANUAL
<b>9</b>	<b>KC-03-A-05</b>	<b>DETACHED &amp; SEMI-DETACHED</b>	<b>KENT</b>
	ROCHESTER ROAD NEAR CHATHAM BURHAM Neighbourhood Centre (PPS6 Local Centre) Village Total Number of dwellings: 8 Survey date: FRIDAY 22/09/17		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

<b>10</b>	<b>LC-03-A-30</b>	<b>SEMI-DETACHED</b>	<b>LANCASHIRE</b>
	WATSON ROAD BLACKPOOL		
	Edge of Town Centre Residential Zone		
	Total Number of dwellings:	24	
	Survey date: FRIDAY	14/06/13	Survey Type: MANUAL
<b>11</b>	<b>LN-03-A-03</b>	<b>SEMI DETACHED</b>	<b>LINCOLNSHIRE</b>
	ROOKERY LANE LINCOLN BOULTHAM		
	Suburban Area (PPS6 Out of Centre) Residential Zone		
	Total Number of dwellings:	22	
	Survey date: TUESDAY	18/09/12	Survey Type: MANUAL
<b>12</b>	<b>LN-03-A-04</b>	<b>DETACHED &amp; SEMI-DETACHED</b>	<b>LINCOLNSHIRE</b>
	EGERTON ROAD LINCOLN		
	Edge of Town Centre Residential Zone		
	Total Number of dwellings:	30	
	Survey date: MONDAY	29/06/15	Survey Type: MANUAL
<b>13</b>	<b>MS-03-A-03</b>	<b>DETACHED</b>	<b>MERSEYSIDE</b>
	BEMPTON ROAD LIVERPOOL OTTERSPOOL		
	Suburban Area (PPS6 Out of Centre) Residential Zone		
	Total Number of dwellings:	15	
	Survey date: FRIDAY	21/06/13	Survey Type: MANUAL
<b>14</b>	<b>NF-03-A-01</b>	<b>SEMI DET. &amp; BUNGALOWS</b>	<b>NORFOLK</b>
	YARMOUTH ROAD CAISTER-ON-SEA		
	Suburban Area (PPS6 Out of Centre) Residential Zone		
	Total Number of dwellings:	27	
	Survey date: TUESDAY	16/10/12	Survey Type: MANUAL
<b>15</b>	<b>NF-03-A-03</b>	<b>DETACHED HOUSES</b>	<b>NORFOLK</b>
	HALING WAY THETFORD		
	Edge of Town Residential Zone		
	Total Number of dwellings:	10	
	Survey date: WEDNESDAY	16/09/15	Survey Type: MANUAL
<b>16</b>	<b>NY-03-A-08</b>	<b>TERRACED HOUSES</b>	<b>NORTH YORKSHIRE</b>
	NICHOLAS STREET YORK		
	Suburban Area (PPS6 Out of Centre) Residential Zone		
	Total Number of dwellings:	21	
	Survey date: MONDAY	16/09/13	Survey Type: MANUAL
<b>17</b>	<b>NY-03-A-11</b>	<b>PRIVATE HOUSING</b>	<b>NORTH YORKSHIRE</b>
	HORSEFAIR BOROUGHBRIDGE		
	Edge of Town Residential Zone		
	Total Number of dwellings:	23	
	Survey date: WEDNESDAY	18/09/13	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

<b>18</b>	<b>NY-03-A-13</b>	<b>TERRACED HOUSES</b>	<b>NORTH YORKSHIRE</b>
	CATTERICK ROAD		
	CATTERICK GARRISON		
	OLD HOSPITAL COMPOUND		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	10	
	Survey date: WEDNESDAY	10/05/17	Survey Type: MANUAL
<b>19</b>	<b>SF-03-A-04</b>	<b>DETACHED &amp; BUNGALOWS</b>	<b>SUFFOLK</b>
	NORMANSTON DRIVE		
	LOWESTOFT		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	7	
	Survey date: TUESDAY	23/10/12	Survey Type: MANUAL
<b>20</b>	<b>SF-03-A-05</b>	<b>DETACHED HOUSES</b>	<b>SUFFOLK</b>
	VALE LANE		
	BURY ST EDMUNDS		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	18	
	Survey date: WEDNESDAY	09/09/15	Survey Type: MANUAL
<b>21</b>	<b>SH-03-A-06</b>	<b>BUNGALOWS</b>	<b>SHROPSHIRE</b>
	ELLESMERE ROAD		
	SHREWSBURY		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	16	
	Survey date: THURSDAY	22/05/14	Survey Type: MANUAL
<b>22</b>	<b>ST-03-A-06</b>	<b>SEMI-DET. &amp; TERRACED</b>	<b>STAFFORDSHIRE</b>
	STANFORD ROAD		
	WOLVERHAMPTON		
	BLAKENHALL		
	Edge of Town Centre		
	No Sub Category		
	Total Number of dwellings:	17	
	Survey date: FRIDAY	09/05/14	Survey Type: MANUAL
<b>23</b>	<b>TW-03-A-02</b>	<b>SEMI-DETACHED</b>	<b>TYNE &amp; WEAR</b>
	WEST PARK ROAD		
	GATESHEAD		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	16	
	Survey date: MONDAY	07/10/13	Survey Type: MANUAL
<b>24</b>	<b>WF-03-A-02</b>	<b>SEMI DETACHED &amp; TERRACED</b>	<b>WALTHAM FOREST</b>
	PALMERSTON ROAD		
	WALTHAMSTOW		
	Edge of Town Centre		
	Residential Zone		
	Total Number of dwellings:	9	
	Survey date: THURSDAY	06/06/19	Survey Type: MANUAL
<b>25</b>	<b>WK-03-A-01</b>	<b>TERRACED/SEMI/DET.</b>	<b>WARWICKSHIRE</b>
	ARLINGTON AVENUE		
	LEAMINGTON SPA		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	6	
	Survey date: FRIDAY	21/10/11	Survey Type: MANUAL
<b>26</b>	<b>WK-03-A-02</b>	<b>BUNGALOWS</b>	<b>WARWICKSHIRE</b>
	NARBERTH WAY		
	COVENTRY		
	POTTERS GREEN		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	17	
	Survey date: THURSDAY	17/10/13	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

<b>27</b>	<b>WL-03-A-02</b>	<b>SEMI DETACHED</b>	<b>WILTSHIRE</b>
	HEADLANDS GROVE		
	SWINDON		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	27	
	Survey date: THURSDAY	22/09/16	Survey Type: MANUAL

*This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.*

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

**MULTI-MODAL VEHICLES****Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	27	18	0.082	27	18	0.282	27	18	0.364
08:00 - 09:00	27	18	0.179	<b>27</b>	<b>18</b>	<b>0.396</b>	<b>27</b>	<b>18</b>	<b>0.575</b>
09:00 - 10:00	27	18	0.149	27	18	0.187	27	18	0.336
10:00 - 11:00	27	18	0.173	27	18	0.169	27	18	0.342
11:00 - 12:00	27	18	0.167	27	18	0.173	27	18	0.340
12:00 - 13:00	27	18	0.189	27	18	0.195	27	18	0.384
13:00 - 14:00	27	18	0.195	27	18	0.171	27	18	0.366
14:00 - 15:00	27	18	0.187	27	18	0.225	27	18	0.412
15:00 - 16:00	27	18	0.276	27	18	0.233	27	18	0.509
16:00 - 17:00	27	18	0.274	27	18	0.209	27	18	0.483
17:00 - 18:00	<b>27</b>	<b>18</b>	<b>0.320</b>	27	18	0.159	27	18	0.479
18:00 - 19:00	27	18	0.235	27	18	0.165	27	18	0.400
19:00 - 20:00	2	15	0.200	2	15	0.033	2	15	0.233
20:00 - 21:00	2	15	0.200	2	15	0.200	2	15	0.400
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.826			2.797			5.623

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is:  $COUNT/TRP*FACT$ . Trip rates are then rounded to 3 decimal places.

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**Parameter summary**

Trip rate parameter range selected: 6 - 30 (units: )  
 Survey date range: 01/01/11 - 06/06/19  
 Number of weekdays (Monday-Friday): 27  
 Number of Saturdays: 0  
 Number of Sundays: 0  
 Surveys automatically removed from selection: 0  
 Surveys manually removed from selection: 0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.