

Appendix 8
TRICS Survey Data
Trip Generation Calculations

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

MULTI-MODAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	EX ESSEX	1 days
04	EAST ANGLIA	
	SF SUFFOLK	1 days
05	EAST MIDLANDS	
	LE LEICESTERSHIRE	1 days
	LN LINCOLNSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
08	NORTH WEST	
	CH CHESHIRE	1 days
09	NORTH	
	CB CUMBRIA	3 days

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

Filtering Stage 2 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
Range: 10 to 237 (units:)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/00 to 20/12/11

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	4 days
Tuesday	5 days
Wednesday	1 days
Thursday	1 days
Friday	2 days

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

Selected survey types:

Manual count	13 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	13
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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	8
Out of Town	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.

Filtering Stage 3 selection:

Use Class:

C3	13 days
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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:

5,001 to 10,000	4 days
10,001 to 15,000	4 days
15,001 to 20,000	4 days
20,001 to 25,000	1 days

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

Population within 5 miles:

25,001 to 50,000	3 days
50,001 to 75,000	2 days
75,001 to 100,000	2 days
100,001 to 125,000	3 days
125,001 to 250,000	2 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:

0.6 to 1.0	6 days
1.1 to 1.5	7 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:

No	13 days
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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.

LIST OF SITES relevant to selection parameters

- | | | |
|----------|--|---|
| 1 | CB-03-A-02 SEMI DETACHED, WORKINGTON
HAWKSHEAD AVENUE

WORKINGTON
Edge of Town
Residential Zone
Total Number of dwellings: 40
<i>Survey date: MONDAY 20/06/05</i> | CUMBRIA

<i>Survey Type: MANUAL</i> |
| 2 | CB-03-A-03 SEMI DETACHED, WORKINGTON
HAWKSHEAD AVENUE

WORKINGTON
Edge of Town
Residential Zone
Total Number of dwellings: 40
<i>Survey date: THURSDAY 20/11/08</i> | CUMBRIA

<i>Survey Type: MANUAL</i> |
| 3 | CB-03-A-04 SEMI DETACHED, WORKINGTON
MOORCLOSE ROAD
SALTERBACK
WORKINGTON
Edge of Town
No Sub Category
Total Number of dwellings: 82
<i>Survey date: FRIDAY 24/04/09</i> | CUMBRIA

<i>Survey Type: MANUAL</i> |
| 4 | CH-03-A-05 DETACHED, CREWE
SYDNEY ROAD
SYDNEY
CREWE
Edge of Town
Residential Zone
Total Number of dwellings: 17
<i>Survey date: TUESDAY 14/10/08</i> | CHESHIRE

<i>Survey Type: MANUAL</i> |
| 5 | EX-03-A-01 SEMI-DET., STANFORD-LE-HOPE
MILTON ROAD
CORRINGHAM
STANFORD-LE-HOPE
Edge of Town
Residential Zone
Total Number of dwellings: 237
<i>Survey date: TUESDAY 13/05/08</i> | ESSEX

<i>Survey Type: MANUAL</i> |
| 6 | LE-03-A-01 DETACHED, MELTON MOWBRAY
REDWOOD AVENUE

MELTON MOWBRAY
Edge of Town
Residential Zone
Total Number of dwellings: 11
<i>Survey date: TUESDAY 03/05/05</i> | LEICESTERSHIRE

<i>Survey Type: MANUAL</i> |
| 7 | LN-03-A-01 MIXED HOUSES, LINCOLN
BRANT ROAD
BRACEBRIDGE
LINCOLN
Edge of Town
Residential Zone
Total Number of dwellings: 150
<i>Survey date: TUESDAY 15/05/07</i> | LINCOLNSHIRE

<i>Survey Type: MANUAL</i> |

LIST OF SITES relevant to selection parameters (Cont.)

8	NT-03-A-03	SEMI DETACHED,KIRKBY-IN-ASHFD	NOTTINGHAMSHIRE
	B6018 SUTTON ROAD		
	KIRKBY-IN-ASHFIELD		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	166	
	Survey date: WEDNESDAY	28/06/06	Survey Type: MANUAL
9	NY-03-A-05	HOUSES AND FLATS, RIPON	NORTH YORKSHIRE
	BOROUGHBRIDGE ROAD		
	RIPON		
	Edge of Town		
	No Sub Category		
	Total Number of dwellings:	71	
	Survey date: MONDAY	22/09/08	Survey Type: MANUAL
10	SF-03-A-03	MIXED HOUSES, BURY ST EDMDS	SUFFOLK
	BARTON HILL		
	FORNHAM ST MARTIN		
	BURY ST EDMUNDS		
	Edge of Town		
	Out of Town		
	Total Number of dwellings:	101	
	Survey date: MONDAY	15/05/06	Survey Type: MANUAL
11	SH-03-A-03	DETACHED, SHREWSBURY	SHROPSHIRE
	SOMERBY DRIVE		
	BICTON HEATH		
	SHREWSBURY		
	Edge of Town		
	No Sub Category		
	Total Number of dwellings:	10	
	Survey date: FRIDAY	26/06/09	Survey Type: MANUAL
12	WM-03-A-03	MIXED HOUSING, COVENTRY	WEST MIDLANDS
	BASELEY WAY		
	ROWLEYS GREEN		
	COVENTRY		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	84	
	Survey date: MONDAY	24/09/07	Survey Type: MANUAL
13	WO-03-A-02	SEMI DETACHED, REDDITCH	WORCESTERSHIRE
	MEADOWHILL ROAD		
	REDDITCH		
	Edge of Town		
	No Sub Category		
	Total Number of dwellings:	48	
	Survey date: TUESDAY	02/05/06	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	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	13	81	0.088	13	81	0.310	13	81	0.398
08:00 - 09:00	13	81	0.164	13	81	0.440	13	81	0.604
09:00 - 10:00	13	81	0.177	13	81	0.244	13	81	0.421
10:00 - 11:00	13	81	0.147	13	81	0.208	13	81	0.355
11:00 - 12:00	13	81	0.217	13	81	0.179	13	81	0.396
12:00 - 13:00	13	81	0.213	13	81	0.178	13	81	0.391
13:00 - 14:00	13	81	0.191	13	81	0.183	13	81	0.374
14:00 - 15:00	13	81	0.209	13	81	0.184	13	81	0.393
15:00 - 16:00	13	81	0.357	13	81	0.263	13	81	0.620
16:00 - 17:00	13	81	0.368	13	81	0.230	13	81	0.598
17:00 - 18:00	13	81	0.432	13	81	0.268	13	81	0.700
18:00 - 19:00	13	81	0.276	13	81	0.216	13	81	0.492
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			2.839			2.903			5.742

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.

Parameter summary

Trip rate parameter range selected: 10 - 237 (units:)
 Survey date range: 01/01/00 - 20/12/11
 Number of weekdays (Monday-Friday): 13
 Number of Saturdays: 0
 Number of Sundays: 4
 Surveys manually removed from selection: 99

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.

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

MULTI-MODAL OGVS

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	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	13	81	0.004	13	81	0.003	13	81	0.007
08:00 - 09:00	13	81	0.004	13	81	0.004	13	81	0.008
09:00 - 10:00	13	81	0.001	13	81	0.001	13	81	0.002
10:00 - 11:00	13	81	0.006	13	81	0.007	13	81	0.013
11:00 - 12:00	13	81	0.000	13	81	0.000	13	81	0.000
12:00 - 13:00	13	81	0.004	13	81	0.006	13	81	0.010
13:00 - 14:00	13	81	0.002	13	81	0.004	13	81	0.006
14:00 - 15:00	13	81	0.001	13	81	0.001	13	81	0.002
15:00 - 16:00	13	81	0.002	13	81	0.002	13	81	0.004
16:00 - 17:00	13	81	0.003	13	81	0.000	13	81	0.003
17:00 - 18:00	13	81	0.001	13	81	0.002	13	81	0.003
18:00 - 19:00	13	81	0.000	13	81	0.000	13	81	0.000
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.028			0.030			0.058

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.

Parameter summary

Trip rate parameter range selected: 10 - 237 (units:)
 Survey date range: 01/01/00 - 20/12/11
 Number of weekdays (Monday-Friday): 13
 Number of Saturdays: 0
 Number of Sundays: 4
 Surveys manually removed from selection: 99

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.

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

MULTI-MODAL PSVS

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	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	13	81	0.000	13	81	0.000	13	81	0.000
08:00 - 09:00	13	81	0.002	13	81	0.002	13	81	0.004
09:00 - 10:00	13	81	0.001	13	81	0.001	13	81	0.002
10:00 - 11:00	13	81	0.001	13	81	0.001	13	81	0.002
11:00 - 12:00	13	81	0.000	13	81	0.000	13	81	0.000
12:00 - 13:00	13	81	0.000	13	81	0.000	13	81	0.000
13:00 - 14:00	13	81	0.000	13	81	0.000	13	81	0.000
14:00 - 15:00	13	81	0.000	13	81	0.000	13	81	0.000
15:00 - 16:00	13	81	0.002	13	81	0.001	13	81	0.003
16:00 - 17:00	13	81	0.001	13	81	0.001	13	81	0.002
17:00 - 18:00	13	81	0.000	13	81	0.000	13	81	0.000
18:00 - 19:00	13	81	0.000	13	81	0.000	13	81	0.000
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.007			0.006			0.013

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.

Parameter summary

Trip rate parameter range selected: 10 - 237 (units:)
 Survey date range: 01/01/00 - 20/12/11
 Number of weekdays (Monday-Friday): 13
 Number of Saturdays: 0
 Number of Sundays: 4
 Surveys manually removed from selection: 99

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.

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

MULTI-MODAL CYCLISTS

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	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	13	81	0.009	13	81	0.015	13	81	0.024
08:00 - 09:00	13	81	0.005	13	81	0.010	13	81	0.015
09:00 - 10:00	13	81	0.004	13	81	0.004	13	81	0.008
10:00 - 11:00	13	81	0.002	13	81	0.006	13	81	0.008
11:00 - 12:00	13	81	0.004	13	81	0.001	13	81	0.005
12:00 - 13:00	13	81	0.007	13	81	0.005	13	81	0.012
13:00 - 14:00	13	81	0.004	13	81	0.004	13	81	0.008
14:00 - 15:00	13	81	0.001	13	81	0.006	13	81	0.007
15:00 - 16:00	13	81	0.011	13	81	0.008	13	81	0.019
16:00 - 17:00	13	81	0.012	13	81	0.012	13	81	0.024
17:00 - 18:00	13	81	0.020	13	81	0.015	13	81	0.035
18:00 - 19:00	13	81	0.019	13	81	0.009	13	81	0.028
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.098			0.095			0.193

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.

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Parameter summary

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 Survey date range: 01/01/00 - 20/12/11
 Number of weekdays (Monday-Friday): 13
 Number of Saturdays: 0
 Number of Sundays: 4
 Surveys manually removed from selection: 99

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.

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

MULTI-MODAL VEHICLE OCCUPANTS

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	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	13	81	0.097	13	81	0.393	13	81	0.490
08:00 - 09:00	13	81	0.213	13	81	0.690	13	81	0.903
09:00 - 10:00	13	81	0.210	13	81	0.322	13	81	0.532
10:00 - 11:00	13	81	0.188	13	81	0.263	13	81	0.451
11:00 - 12:00	13	81	0.270	13	81	0.228	13	81	0.498
12:00 - 13:00	13	81	0.278	13	81	0.232	13	81	0.510
13:00 - 14:00	13	81	0.254	13	81	0.236	13	81	0.490
14:00 - 15:00	13	81	0.276	13	81	0.231	13	81	0.507
15:00 - 16:00	13	81	0.588	13	81	0.388	13	81	0.976
16:00 - 17:00	13	81	0.513	13	81	0.318	13	81	0.831
17:00 - 18:00	13	81	0.569	13	81	0.345	13	81	0.914
18:00 - 19:00	13	81	0.375	13	81	0.295	13	81	0.670
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			3.831			3.941			7.772

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.

Parameter summary

Trip rate parameter range selected: 10 - 237 (units:)
 Survey date range: 01/01/00 - 20/12/11
 Number of weekdays (Monday-Friday): 13
 Number of Saturdays: 0
 Number of Sundays: 4
 Surveys manually removed from selection: 99

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.

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

MULTI-MODAL PEDESTRIANS

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	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	13	81	0.028	13	81	0.063	13	81	0.091
08:00 - 09:00	13	81	0.056	13	81	0.239	13	81	0.295
09:00 - 10:00	13	81	0.049	13	81	0.051	13	81	0.100
10:00 - 11:00	13	81	0.023	13	81	0.044	13	81	0.067
11:00 - 12:00	13	81	0.044	13	81	0.044	13	81	0.088
12:00 - 13:00	13	81	0.030	13	81	0.027	13	81	0.057
13:00 - 14:00	13	81	0.035	13	81	0.028	13	81	0.063
14:00 - 15:00	13	81	0.039	13	81	0.044	13	81	0.083
15:00 - 16:00	13	81	0.211	13	81	0.064	13	81	0.275
16:00 - 17:00	13	81	0.080	13	81	0.046	13	81	0.126
17:00 - 18:00	13	81	0.078	13	81	0.060	13	81	0.138
18:00 - 19:00	13	81	0.076	13	81	0.059	13	81	0.135
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.749			0.769			1.518

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.

Parameter summary

Trip rate parameter range selected: 10 - 237 (units:)
 Survey date range: 01/01/00 - 20/12/11
 Number of weekdays (Monday-Friday): 13
 Number of Saturdays: 0
 Number of Sundays: 4
 Surveys manually removed from selection: 99

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.

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

MULTI-MODAL PUBLIC TRANSPORT USERS

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	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	13	81	0.000	13	81	0.008	13	81	0.008
08:00 - 09:00	13	81	0.003	13	81	0.009	13	81	0.012
09:00 - 10:00	13	81	0.001	13	81	0.003	13	81	0.004
10:00 - 11:00	13	81	0.003	13	81	0.002	13	81	0.005
11:00 - 12:00	13	81	0.008	13	81	0.002	13	81	0.010
12:00 - 13:00	13	81	0.006	13	81	0.002	13	81	0.008
13:00 - 14:00	13	81	0.005	13	81	0.001	13	81	0.006
14:00 - 15:00	13	81	0.002	13	81	0.001	13	81	0.003
15:00 - 16:00	13	81	0.004	13	81	0.001	13	81	0.005
16:00 - 17:00	13	81	0.008	13	81	0.003	13	81	0.011
17:00 - 18:00	13	81	0.006	13	81	0.001	13	81	0.007
18:00 - 19:00	13	81	0.001	13	81	0.001	13	81	0.002
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.047			0.034			0.081

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.

Parameter summary

Trip rate parameter range selected: 10 - 237 (units:)
 Survey date range: 01/01/00 - 20/12/11
 Number of weekdays (Monday-Friday): 13
 Number of Saturdays: 0
 Number of Sundays: 4
 Surveys manually removed from selection: 99

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.

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

MULTI-MODAL TOTAL PEOPLE

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	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	13	81	0.134	13	81	0.479	13	81	0.613
08:00 - 09:00	13	81	0.276	13	81	0.949	13	81	1.225
09:00 - 10:00	13	81	0.264	13	81	0.379	13	81	0.643
10:00 - 11:00	13	81	0.216	13	81	0.315	13	81	0.531
11:00 - 12:00	13	81	0.325	13	81	0.274	13	81	0.599
12:00 - 13:00	13	81	0.321	13	81	0.266	13	81	0.587
13:00 - 14:00	13	81	0.297	13	81	0.269	13	81	0.566
14:00 - 15:00	13	81	0.318	13	81	0.282	13	81	0.600
15:00 - 16:00	13	81	0.815	13	81	0.461	13	81	1.276
16:00 - 17:00	13	81	0.613	13	81	0.379	13	81	0.992
17:00 - 18:00	13	81	0.672	13	81	0.421	13	81	1.093
18:00 - 19:00	13	81	0.470	13	81	0.363	13	81	0.833
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			4.721			4.837			9.558

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.

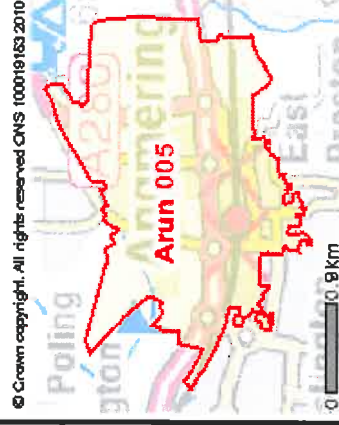
Parameter summary

Trip rate parameter range selected: 10 - 237 (units:)
 Survey date range: 01/01/00 - 20/12/11
 Number of weekdays (Monday-Friday): 13
 Number of Saturdays: 0
 Number of Sundays: 4
 Surveys manually removed from selection: 99

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.

TRICS Data		Weekday		Trips for	
Housing	Trip Rates	Per Dwelling		150 dwellings	
All Trips	Inbound	Outbound	Inbound	Outbound	
08:00-09:00	0.276	0.949	41	142	
17:00-18:00	0.672	0.421	101	63	
Total Daily Trips	4.721	4.837	708	726	
Pedestrians					
08:00-09:00	0.056	0.239	8	36	
17:00-18:00	0.078	0.060	12	9	
Total Daily Trips	0.749	0.769	112	115	
Cyclists					
08:00-09:00	0.005	0.010	1	2	
17:00-18:00	0.020	0.015	3	2	
Total Daily Trips	0.098	0.095	15	14	
Public Transport					
08:00-09:00	0.003	0.009	0	1	
17:00-18:00	0.006	0.001	1	0	
Total Daily Trips	0.047	0.034	7	5	
Vehicles					
08:00-09:00	0.164	0.440	25	66	
17:00-18:00	0.432	0.268	65	40	
Total Daily Trips	2.839	2.903	426	435	
Vehicle Passengers					
08:00-09:00	0.049	0.250	7	38	
17:00-18:00	0.137	0.077	21	12	
Total Daily Trips	0.992	1.038	149	156	
Ordinary Goods Vehicles					
08:00-09:00	0.004	0.004	1	1	
17:00-18:00	0.001	0.002	0	0	
Total Daily Trips	0.028	0.030	4	5	
Public Service Vehicles					
08:00-09:00	0.002	0.002	0	0	
17:00-18:00	0.000	0.000	0	0	
Total Daily Trips	0.007	0.006	1	1	

Method of Travel to Work	
Resident Population	
Pedestrians	228
Cyclists	158
Train	144
Bus	50
Vehicle Driver	1,935
Vehicle Passenger	173
Taxi	15
Motorcycle	46
Other	12
	8.3%
	5.7%
	5.2%
	1.8%
	70.1%
	6.3%
	0.5%
	1.7%
	0.4%



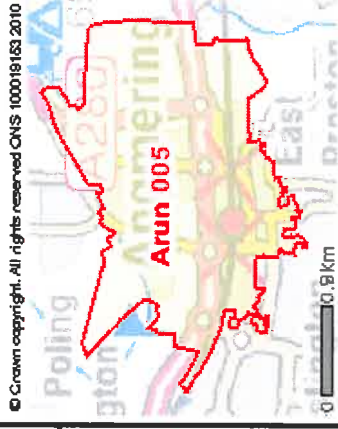
Census Adjusted		AM Peak 08:00-09:00		PM Peak 17:00-18:00		Total
TRICS Data		Inbound	Outbound	Inbound	Outbound	
Pedestrians	0	3	12	8	5	118
Cyclists	0	2	8	6	4	82
Public Transport Passengers	0	3	10	7	4	101
Vehicles	1	29	101	71	45	1,013
Vehicle Passengers	0	3	9	6	4	90
Motorcycle	0.4	1	2	2	1	24
Ordinary Goods Vehicles	1.5	1	1	0	0	4

0% Reduction in Private Car Trips due to Travel Plan
70.1% of Travel by Private Car

Pre Travel Plan PCU		Inbound	Outbound	Total
AM Peak 08:00-09:00		30	102	133
PM Peak 17:00-18:00		72	45	118
Total Daily				1013

TRICS Data		Weekday		Trips for	
Housing		Trip Rates		150 dwellings	
		Inbound	Outbound	Inbound	Outbound
All Trips					
	08:00-09:00	0.276	0.949	41	142
	17:00-18:00	0.672	0.421	101	63
Total Daily Trips		4.721	4.837	708	726
Pedestrians					
	08:00-09:00	0.056	0.239	8	36
	17:00-18:00	0.078	0.060	12	9
Total Daily Trips		0.749	0.769	112	115
Cyclists					
	08:00-09:00	0.005	0.010	1	2
	17:00-18:00	0.020	0.015	3	2
Total Daily Trips		0.098	0.095	15	14
Public Transport					
	08:00-09:00	0.003	0.009	0	1
	17:00-18:00	0.006	0.001	1	0
Total Daily Trips		0.047	0.034	7	5
Vehicles					
	08:00-09:00	0.164	0.440	25	66
	17:00-18:00	0.432	0.268	65	40
Total Daily Trips		2.839	2.903	426	435
Vehicle Passengers					
	08:00-09:00	0.049	0.250	7	38
	17:00-18:00	0.137	0.077	21	12
Total Daily Trips		0.992	1.038	149	156
Ordinary Goods Vehicles					
	08:00-09:00	0.004	0.004	1	1
	17:00-18:00	0.001	0.002	0	0
Total Daily Trips		0.028	0.030	4	5
Public Service Vehicles					
	08:00-09:00	0.002	0.002	0	0
	17:00-18:00	0.000	0.000	0	0
Total Daily Trips		0.007	0.006	1	1

Method of Travel to Work		Resident Population	
Pedestrians		228	8.3%
Cyclists		158	5.7%
Train		144	5.2%
Bus		50	1.8%
Vehicle Driver		1,935	70.1%
Vehicle Passenger		173	6.3%
Taxi		15	0.5%
Motorcycle		46	1.7%
Other		12	0.4%



Census Adjusted		AM Peak 08:00-09:00		PM Peak 17:00-18:00		Total
TRICS Data		Inbound	Outbound	Inbound	Outbound	
Pedestrians	PCU value: 0.6	3	12	8	5	118
Cyclists	0.0	2	8	6	4	82
Public Transport Passengers	0.0	3	10	7	4	101
Vehicles	1.0	29	101	71	45	1,013
Vehicle Passengers	0.0	3	9	6	4	90
Motorcycle	0.4	1	2	2	1	24
Ordinary Goods Vehicles	1.5	1	1	0	0	4

10% Reduction in Private Car Trips due to Travel Plan
63.1% of Travel by Private Car

Post Travel Plan PCU		Inbound	Outbound	Total
AM Peak 08:00-09:00		27	92	120
PM Peak 17:00-18:00		65	41	106
Total Daily				911