

## **Appendix A**

### **Development details**

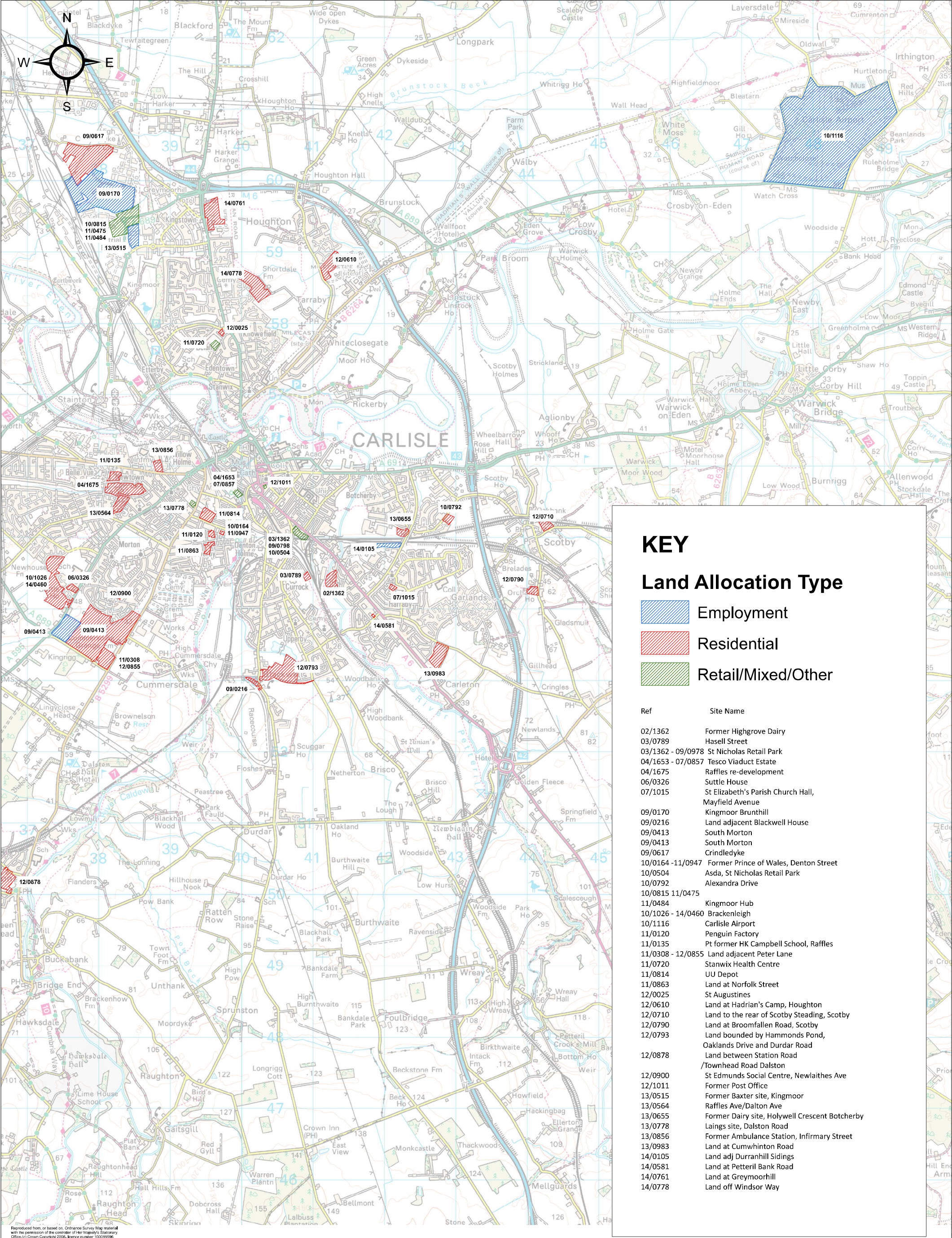
Figure A1: 2025 Base development

Figure A2: 2025 Local Plan development

Site details and trip generation

Trip rates and TRICS output











## Scenario 1: 2025 Base

### Completed residential developments (July 2013 – Sept 2014):

Ref	Site Name	Access	Size	Notes	AM Peak		PM Peak	
					In	Out	In	Out
02/1362	Former Highgrove Dairy (complete)	Harraby Green Road	5	39 complete in total - various applications.	1	2	2	1
03/0789	Hasell Street	Regent Street	3	Site Complete - original application 21 dwellings	0	1	1	1
04/1675	Raffles re-development	Raffles Avenue	7	Part of the original applications	1	3	3	2
07/1015	St Elizabeth's Parish Church Hall, Mayfield Avenue	Mayfield Avenue	11	Site Complete.	2	5	4	3
09/0617	Crindledyke (complete)	Crindledyke Lane	48	53 completed on site in total	7	20	19	11
09/1059	Former Sawmill, Longtown	Netherby Road	9	36 complete in total - various applications.	1	4	4	2
10/0792	Alexandra Drive	Durranhill Road	24	Site Complete.	4	10	10	6
10/1026	Brackenleigh (complete)	Wigton Road	64	86 completed on site in total to date.	10	27	25	15
11/0135	Pt former HK Campbell School, Raffles	Brookside	5	PP was for 39 dwellings, 25 on site of HK Campbell, remainder formed part of PP above [this area complete] - rest of site was Carlisle west community fire station	1	2	2	1
12/0878	Land between Station Road/ Townhead Road, Dalston (complete)	Station Rd	12	Also in commitments.	2	5	5	2
12/0900	St Edmunds Social Centre, Newlaithes Avenue	Newlaithes Avenue	14	Site Complete.	2	6	6	3
TOTAL			202	202 dwellings	30	85	80	46

### Completed mixed/other developments (July 2013 – Sept 2014):

Ref	Site Name	Access	Size	Notes	AM Peak		PM Peak	
					In	Out	In	Out
03/1362 09/0978	St Nicholas Retail Park (complete)	London Road	509 sqm non-food A1	Existing site area 10,702 sqm. Additional proposed floorspace of 2,739 sqm. 509 sqm built as of Sep 2014 (Poundland). 30% pass-by trips and 20% linked trips.	3	1	7	11
10/0504	Asda, St Nicholas Retail Park	London Road	4,225 sqm food A1	Includes new signalised site access junction. 50% reassigned trips and 30% pass-by trips.	128	83	233	250
11/0720	Stanwix Health Centre	Waverley Road	1,500 sqm D1	Primary care centre, includes pharmacy.	80	38	35	54
12/1011	Former Post Office	Warwick Road	24 bed hotel	Also A1, A3, A4, B1, B8, C1 and D2 Use To The Basement And Ground Floor Levels	4	6	5	3
13/0515	Former Baxter site, Kingmoor	Kingmoor Hub / Kingstown Broadway	6,012 sqm B8	Moved from Shaddongate.	5	3	2	5
TOTAL			6,012 sqm B8; 1,500 sqm D1; 24 bed hotel; 509 sqm non-food A1		220	131	282	323



## Scenario 1: 2025 Base

### Committed residential developments:

Ref	Site Name	Access	Size	Notes	AM Peak		PM Peak	
					In	Out	In	Out
02/1362	Former Highgrove Dairy (committed)	Harraby Green Road	57	Various applications. Current position was 96 dwellings, figure reflects outstanding commitments as of Sept 2014.	9	24	23	13
04/1675	Raffles replacement dwellings	Raffles Avenue	201	Various applications over time. Net loss of 122 dwellings in total but demolitions took place prior to base model. Figure reflects outstanding commitments as of Sept 2014.	30	84	80	47
06/0326	Suttle House	Wigton Road	42		6	18	17	10
09/0216	Land adjacent Blackwell House	Blackwell Road	42		6	18	17	10
09/0413	South Morton	Wigton Road / Peter Lane / Dalston Road	825	Also see South Morton employment.	124	344	327	191
09/0617	Crindledyke (committed)	Crindledyke Lane	796	Application was for 850 dwellings, figure reflects outstanding commitments as of Sept 2014.	119	332	315	185
09/1059 10/1248	Former Sawmill, Longtown	Netherby Road	38	Various applications. Last application [10/1248] reduced figures and changed house types to bungalows.	1	4	4	2
10/0164 11/0947	Former Prince of Wales, Denton Street	Northumberland Street	22		3	9	9	5
10/1026	Brackenleigh (committed)	Wigton Road	170	Application was for 256 dwellings, figure reflects outstanding commitments as of Sept 2014. See awaited residential development [14/0460] for potential increase by 20 dwellings.	26	71	67	39
11/0120	Penguin Factory	Westmorland Street	37		6	15	15	9
11/0308 12/0855	Land adjacent Peter Lane	Peter Lane	103	Reduced to 103 dwellings in line with [12/0855].	15	43	41	24
11/0814	UU Depot	Nelson Street	103		15	43	41	24
11/0863	Land at Norfolk Street	Norfolk Street / Richardson Street	242 [bedrooms]	Application was for 492 beds. 250 beds completed.	2	6	5	6
12/0025	St Augustines	Waverley Road	42	Retirement development.	3	3	3	3
12/0610	Land at Hadrian's Camp, Houghton	Houghton Rd	96	R10 - Preferred Allocation. Excluded from Scenario 2 to avoid double counting.	13	43	38	20
12/0710	Land to the rear of Scotby Steading, Scotby	Scotby Rd	33	Application was for 45 dwellings, figure reflects outstanding commitments as of Sept 2014.	4	15	13	7
12/0793	Land bounded by Hammonds Pond, Oaklands Drive and Durdar Road	Durdar Rd / Scalegate Rd	318		48	133	126	74
12/0878	Land between Station Road/ Townhead Road, Dalston (committed)	Station Rd	121		16	54	48	25



Scenario 1: 2025 Base

Committed residential developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
13/0564	Raffles Ave/Dalton Ave	Raffles Ave	37	Additional site to [04/1675]	6	15	15	9
13/0655	Former Dairy site, Holywell Crescent, Botcherby	Holywell Crescent	66	U15 - Preferred Allocation. Excluded from Scenario 2 to avoid double counting.	10	28	26	15
13/0856	Former Ambulance Station, Infirmary Street	Infirmary Street	29		4	12	11	7
14/0581	Land at Petteril Bank Road	Petteril Bank Road	14	Supporting living units.	1	1	1	1
TOTAL			3,434	3,192 dwellings; 242 student bedrooms	468	1312	1240	724

Committed employment developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
09/0170	Kingmoor Brunthill	A689 CNDR	16,200 sqm B1 96,400 sqm B2/B8	Assumptions based on original outline applications.	0	0	0	0
09/0413	South Morton	Wigton Road / Peter Lane / Dalston Road	40,000 sqm B1	Also see South Morton residential Also see Morton District Centre, Scenario 2	585	100	78	427
10/1116	Carlisle Airport	A689	37,000 sqm B8	Also facilitates some passenger air services.	33	16	9	31
TOTAL			56,200 sqm B1; 96,400 B2/B8; 37,000 sqm B8		618	116	87	459

Committed mixed/other developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
03/1362 09/0978	St Nicholas Retail Park (committed)	London Road	2,230 sqm non-food A1	Existing site area 10,702 sqm. Additional proposed floorspace of 2,739 sqm. 509 sqm built as of Sep 2014. Outstanding commitment therefore 2,230 sqm. 30% pass-by trips and 20% linked trips.	13	5	32	47
04/1653 07/0857	Tesco Viaduct Estate	Viaduct Estate Road	3,175 sqm food retail	50% reassigned trips and 30% pass-by trips.	96	63	175	188
10/0815	Kingmoor Hub (hotel)	A689 CNDR	130 bed hotel	Also ancillary conference centre health and fitness centre restaurants and bar. Part of Brunthill Masterplan application [09/0170]. 40% pass-by trips.	21	33	27	17
11/0475	Kingmoor Hub (pub)	A689 CNDR	720 sqm pub/restaurant A3	Part of Brunthill Masterplan application [09/0170]. 50% pass-by trips.	0	0	15	11
11/0484	Kingmoor Hub (within existing Kingmoor East)	A689 CNDR	14,392 sqm B1	Also petrol filling station, 325 sqm restaurant, 1,114 sqm A1/A3/A5 unit, 371 sqm crèche. PFS 90% pass-by trips. Retail 60% pass-by trips and 20% linked trips.	211	36	28	154
13/0778	Laings site, Dalston Road	Dalston Rd	1,532 sqm food A1	30% pass-by trips.	49	52	55	55
TOTAL			14,392 sqm B1; 4,707 sqm food retail; 2,230 sqm non-food retail; 130 bed hotel; 720 sqm pub/restaurant		390	188	332	472



Scenario 1: 2025 Base

Awaited residential developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
12/0790	Land at Broomfallen Road, Scotby	Broomfallen Road	28	R16 Preferred Allocation. Excluded from Scenario 2 to avoid double counting.	4	12	11	6
13/0983	Land at Cumwhinton Road	Sewell's Lonning	180	Part site of U5 Preferred Allocation. Residual dwellings included in Scenario 2.	27	75	71	42
14/0460	Brackenleigh (awaited)	Wigton Road	20	In addition to [10/1026]. Increase in 20 dwellings.	3	8	8	5
14/0761	Land at Greymoorhill	Kingstown Road	190	Part site of U1 Preferred Allocation. Residual dwellings included in Scenario 2.	29	79	75	44
14/0778	Land off Windsor Way	Windsor Way	277	Part site of U10 Preferred Allocation. Residual dwellings included in Scenario 2.	42	116	110	64
TOTAL			695	695 dwellings	104	291	275	161

Awaited employment developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
14/0105	Land adj Durranhill Sidings	Eastern Way	9,144 sqm B2		65	23	13	62
TOTAL			9,144 sqm B2		65	23	13	62



Scenario 2: 2025 Local Plan

Preferred Urban Residential Developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
U1	Land to the south east of junction 44	Kingstown Road	27	Reduced figure to reflect remaing element of site - see [14/0761]	4	11	11	6
U2	Land north of California Road, east of U1	Kingstown Road	200		30	83	79	46
U3	Site of Pennine Way Primary School	Pennine Way / Edgehill Road	112		17	47	44	26
U4	Land north of Moorside Drive/Valley Drive	Moorside Drive / Valley Drive	140		21	58	55	32
U5	Land between Carlton Road and Cumwhinton Road	Sewell's Lonning	24	Reduced figure to reflect remaing element of site - see [13/0983]	4	10	10	6
U6	Land at Garden Village, West of Wigton Road	Wigton Road	169		25	70	67	39
U7	Land at Newhouse Farm, South-West of Orton Road	Orton Road x 2	509		76	212	202	118
U8	Land north of Burgh Road	Burgh Road	66		10	28	26	15
U9	Site of former Morton Park Primary School, Burnrigg	Burnrigg	54		8	23	21	13
U10	Land off Windsor Way	Windsor Way / Newfield Park	23	Reduced figure to reflect remaing element of site - see [14/0778]	3	10	9	5
U11	Land east of Lansdowne Close/Lansdowne Court	Windsor Way / Newfield Park	75		11	31	30	17
U12	Land to the rear of the Border Terrier, Ashmere Drive/Ellesmere Way	Ellesmere Way	18		3	8	7	4
U13	Land east of Beverley Rise	Beverley Rise	30		5	13	12	7
U14	Land north of Carleton Clinic, east of Cumwhinton Drive	Cumwhinton Drive	126		19	53	50	29
U16	Land at Deer Park	Kingmoor Road	100		15	42	40	23
U17	Land to the southwest of Cummersdale Grange Farm	Dalston Road	60		9	25	24	14
U18	Land opposite Rosehill Industrial Estate	Durranhill Road	150		23	63	59	35
U19	Land at Carleton Clinic	Cumwhinton Drive	40		6	17	16	9
U20	Durranhill Road	Durranhill Road	70		11	29	28	16
U21	Laings site, Dalston Road	Dalston Road	50		8	21	20	12
TOTAL			2,043	2,043 dwellings	195	543	515	302



Scenario 2: 2025 Local Plan

Preferred Rural Residential Developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
R1	Land South of Carlisle Road, Brampton	Carlisle Road, Brampton	250		33	111	100	52
R2	Land West of Kingwater Close, Brampton	Elmfield, Brampton	60		8	27	24	12
R3	Land North of Greenfield Lane, Brampton	Longtown Road, Brampton	140		18	62	56	29
R4	Former Lochinvar School, Longtown	Swan Street, Longtown	106		14	47	42	22
R5	Land to the South of Old Road, Longtown	Old Road, Longtown	65		9	29	26	13
R6	Land west of Amberfield, Burgh by Sands	Burgh by Sands	25		3	11	10	5
R7	Land east of Cummersdale Road, Cummersdale	Cummersdale	14		2	6	6	3
R8	Land adjacent to Beech Cottage, Cumwhinton	Cumwhinton	15		2	7	6	3
R9	Land West of How Croft, Cumwhinton		20		3	9	8	4
R11	Kingmoor Park, Harker Estate	Harker	300		39	133	119	62
R12	Land east of Monkhill Road, Moorhouse	Moorhouse	10		1	4	4	2
R13	Linstock North, Linstock	Linstock	10		1	4	4	2
R14	Land at Tower Farm, Rickerby	Rickerby	10		1	4	4	2
R15	Land North of Hill Head Road, Scotby	Scotby Road	50		7	22	20	10
R17	Warwick Bridge/Little Corby North, Warwick Bridge	Warwick Bridge	45		6	20	18	9
R18	Land to the south of Corby Hill/Heads Nook Road, Corby Hill	Corby Hill	30		4	13	12	6
R19	Wetheral South	Wetheral	60		8	27	24	12
R20	Land west of Steel's Bank, Wetheral		40		5	18	16	8
R21	Land West of Wreay School, Wreay	Wreay	10		1	4	4	2
TOTAL			1,260	1,260 dwellings	165	559	501	260



Scenario 2: 2025 Local Plan

Preferred Employment Developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
A1	Kingmoor Park East	Kingmoor Park Central / Kingmoor Park South	21,575 sqm B8 15,840 sqm B2/B8	Not proposed as an allocation within the plan but is a large residual phase of a designated employment area. Assumptions based on indicative masterplan [09/0170].	149	79	36	118
TOTAL			21,575 sqm B8, 15,840 sqm B2/B8		149	79	36	118

Preferred Mixed/Other Developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
A2	Morton District Centre (including previous Park & Ride site measuring 2.02 Ha)	Wigton Road	8,175 sqm food A1	also 1,025 non-food retail, PFS, restaurant/café, hot food takeaway, creche Assumptions based on expired application [10/0917]. Food 50% reassigned trips and 30% pass-by trips. Non-food 30% pass-by trips and 20% linked trips.	240	178	451	457
			8,000 sq m D1	Assumption based on 40% of park & ride area for community uses which covers potential for health centre, dentist, day nursery, library etc. 20% pass-by trips and 50% linked trips.	37	30	110	81
TOTAL			8,175 sqm food A1, 8,000 sqm D1		278	209	561	538

City Centre Regeneration Proposals:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
A3	Caldew Riverside non-food retail and leisure	Viaduct Estate Road	6,800 sqm non-food A1 6,800 sqm D2	20% pass-by trips and 20% linked trips.	71	40	191	213
A4a	Lowther St non-food retail and 466 space multi-storey	Lowther Street	3,662 sqm non-food A1	Assume current car park trip rate stays constant. Car demand will increase in line with increased parking supply. 20% pass-by trips.	111	11	44	104
A4b	Rickergate non-food retail and leisure plus 450 space multi-storey	Drovers Lane	16,794 sqm non-food A1 1,929 sqm A3 restaurant	Assume current car park trip rate stays constant. Car demand will increase in line with increased parking supply. Retail and restaurant 20% pass-by trips. Restaurant 20% linked trips.	134	13	130	190
A5	Carlisle Station Hub multi-storey car park	Water Street	N/A	Move existing demand for Station car park, Lower Viaduct car park and Upper Viaduct car park to access car park via Water Street.	0	0	0	0
TOTAL			27,260 sqm non-food A1, 1,929 sqm A3, 6,800 sqm D2		316	64	364	506



Scenario 3: 2030 Local Plan

Preferred residential developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
S1	South Carlisle	Durdar Road Scalegate Rd/Brisco Rd A6 Carleton Road	2,825	Assumes 1/3 of total development from each access 565 dwelling per annum [5yrs]	424	1,178	1,119	655
TOTAL			2,825	2,825 dwellings	424	1,178	1,119	655

Preferred employment developments:					AM Peak		PM Peak	
Ref	Site Name	Access	Size	Notes	In	Out	In	Out
S2	South Carlisle	Newbiggin Road	40,000 sqm	10 Ha (on basis of 2 Ha uptake per annum). Assumes 40% footprint and equal split B1, B2, B8.	301	89	51	226
TOTAL			40,000 sqm B1/B2/B8		301	89	51	226



**Carlisle Local Plan Transport Modelling Report**  
**Trip rates for proposed developments**

				Factors to reduce new trip generation			Car trip rates				Heavy goods vehicle trip rates			
Development Name	Ref	Scenario	TRICS land use category	Reassign	Passby	Linked	AM in	AM out	PM in	PM out	AM in	AM out	PM in	PM out
Former Highgrove Dairy	02/1362	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Hasell Street	03/0789	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
St Nicholas Retail Park	03/1362 09/0978	1 2025 Base	Retail park (excluding food)		30%	20%	0.574	0.209	1.421	2.109	0.005	0.003	0.005	0.002
Tesco Viaduct Estate	04/1653 07/0857	1 2025 Base	Food superstore (town centre)	50%	30%		2.999	1.930	5.500	5.907	0.033	0.039	0.013	0.013
Raffles re-development	04/1675	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Raffles replacement dwellings	04/1675	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Suttle House	06/0326	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
St Elizabeth's Parish Church Hall, Mayfield Avenue	07/1015	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Kingmoor Brunthill (B1 office)	09/0170	1 2025 Base	Business park				1.447	0.237	0.192	1.066	0.016	0.014	0.002	0.002
Kingmoor Brunthill (B2/B8 industrial)	09/0170	1 2025 Base	Industrial estate (B2/B8)				0.376	0.188	0.082	0.308	0.023	0.022	0.014	0.007
Land adjacent Blackwell House	09/0216	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
South Morton (residential)	09/0413	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
South Morton (employment)	09/0413	1 2025 Base	Business park				1.447	0.237	0.192	1.066	0.016	0.014	0.002	0.002
Crindledyke	09/0617	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Former Sawmill, Longtown	09/1059 10/1248	1 2025 Base	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Former Sawmill, Longtown	09/1059 10/1248	1 2025 Base	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Former Prince of Wales, Denton Street	10/0164 11/0947	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Asda, St Nicholas Retail Park	10/0504	1 2025 Base	Food superstore (town centre)	50%	30%		2.999	1.930	5.500	5.907	0.033	0.039	0.013	0.013
Alexandra Drive	10/0792	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Kingmoor Hub (hotel)	10/0815	1 2025 Base	Hotels		40%		0.159	0.251	0.207	0.131	0.001	0.001	0.001	0.001
Brackenleigh	10/1026	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Carlisle Airport	10/1116	1 2025 Base	Warehousing (commercial)				0.074	0.021	0.011	0.067	0.014	0.021	0.014	0.018
Penguin Factory	11/0120	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Pt former HK Campbell School, Raffles	11/0135	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land adjacent Peter Lane	11/0308 12/0855	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Kingmoor Hub (pub)	11/0475	1 2025 Base	Pub/restaurant		50%		0.000	0.000	2.042	1.509	0.000	0.000	0.000	0.000
Kingmoor Hub (B1 office)	11/0484	1 2025 Base	Business park				1.447	0.237	0.192	1.066	0.016	0.014	0.002	0.002
Kingmoor Hub (PFS)	11/0484	1 2025 Base	Petrol filling stations		90%		5.925	6.225	6.800	6.775	0.225	0.275	0.100	0.075
Kingmoor Park retail	11/0484	1 2025 Base	Shopping centre - local shops		60%	20%	5.414	5.202	5.892	6.114	0.117	0.106	0.042	0.064
Stanwix Health Centre	11/0720	1 2025 Base	GP surgery				5.319	2.546	2.349	3.576	0.000	0.000	0.000	0.000
UU Depot	11/0814	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land at Norfolk Street	11/0863	1 2025 Base	Student accommodation				0.009	0.022	0.019	0.024	0.001	0.001	0.000	0.000
St Augustines	12/0025	1 2025 Base	Retirement flats				0.068	0.073	0.078	0.068	0.000	0.000	0.000	0.005
Land at Hadrian's Camp, Houghton	12/0610	1 2025 Base	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land to the rear of Scotby Steading, Scotby	12/0710	1 2025 Base	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land at Broomfallen Road, Scotby	12/0790	1 2025 Base	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land bounded by Hammonds Pond, Oaklands Drive and Durdar Road	12/0793	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land between Station Road/ Townhead Road, Dalston	12/0878	1 2025 Base	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
St Edmunds Social Centre, Newlaithes Avenue	12/0900	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Former Post Office	12/1011	1 2025 Base	Hotels				0.159	0.251	0.207	0.131	0.001	0.001	0.001	0.001
Former Baxter site, Kingmoor	13/0515	1 2025 Base	Warehousing (commercial)				0.074	0.021	0.011	0.067	0.014	0.021	0.014	0.018
Raffles Ave/Dalton Ave	13/0564	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Former Dairy site, Holywell Crescent, Botcherby	13/0655	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Laings site, Dalston Road	13/0778	1 2025 Base	Discount food stores		30%		0.962	0.601	2.856	3.487	0.030	0.040	0.000	0.000
Former Ambulance Station, Infirmary Street	13/0856	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land at Cumwhinton Road	13/0983	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land adj Durranhill Sidings	14/0105	1 2025 Base	Industrial estate (B2)				0.692	0.239	0.141	0.667	0.019	0.009	0.000	0.006
Land at Petteril Bank Road	14/0581	1 2025 Base	Sheltered accommodation				0.098	0.073	0.095	0.095	0.000	0.000	0.000	0.000
Land at Greymoorhill	14/0761	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land off Windsor Way	14/0778	1 2025 Base	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001

**Carlisle Local Plan Transport Modelling Report**

**Trip rates for proposed developments**

				Factors to reduce new trip generation			Car trip rates				Heavy goods vehicle trip rates			
Development Name	Ref	Scenario	TRICS land use category	Reassign	Passby	Linked	AM in	AM out	PM in	PM out	AM in	AM out	PM in	PM out
Land to the south east of junction 44	U1	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land north of California Road, east of U1	U2	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Site of Pennine Way Primary School	U3	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land north of Moorside Drive/Valley Drive	U4	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land between Carlton Road and Cumwhinton Road	U5	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land at Garden Village, West of Wigton Road	U6	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land at Newhouse Farm, South-West of Orton Road	U7	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land north of Burgh Road	U8	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Site of former Morton Park Primary School, Burnrigg	U9	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land off Windsor Way	U10	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land east of Lansdowne Close/Lansdowne Court	U11	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land to the rear of the Border Terrier, Ashmere Drive/Ellesmere Way	U12	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land east of Beverley Rise	U13	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land north of Carleton Clinic, east of Cumwhinton Drive	U14	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land at Deer Park	U16	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land to the southwest of Cummersdale Grange Farm	U17	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land opposite Rosehill Industrial Estate	U18	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land at Carleton Clinic	U19	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Durranhill Road	U20	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Laings site, Dalston Road	U21	2 2025 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
Land South of Carlisle Road, Brampton	R1	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land West of Kingwater Close, Brampton	R2	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land North of Greenfield Lane, Brampton	R3	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Former Lochinvar School, Longtown	R4	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land to the South of Old Road, Longtown	R5	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land west of Amberfield, Burgh by Sands	R6	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land east of Cummersdale Road, Cummersdale	R7	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land adjacent to Beech Cottage, Cumwhinton	R8	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land West of How Croft, Cumwhinton	R9	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Kingmoor Park, Harker Estate	R11	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land east of Monkhill Road, Moorhouse	R12	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Linstock North, Linstock	R13	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land at Tower Farm, Rickerby	R14	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land North of Hill Head Road, Scotby	R15	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Warwick Bridge/Little Corby North, Warwick Bridge	R17	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land to the south of Corby Hill/Heads Nook Road, Corby Hill	R18	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Wetheral South	R19	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land west of Steel's Bank, Wetheral	R20	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Land West of Wreay School, Wreay	R21	2 2025 Local Plan	Houses privately owned (rural)				0.130	0.444	0.398	0.205	0.001	0.000	0.000	0.001
Kingmoor Park East	A1	2 2025 Local Plan	Industrial estate (B2/B8)				0.376	0.188	0.082	0.308	0.023	0.022	0.014	0.007
Morton District Centre (food retail)	A2	2 2025 Local Plan	Food superstore (edge of town)	50%	30%		2.836	2.113	5.318	5.303	0.030	0.043	0.023	0.023
Morton District Centre (non-food retail)	A2	2 2025 Local Plan	Retail park (excluding food)		30%	20%	0.574	0.209	1.421	2.109	0.005	0.003	0.005	0.002
Morton District Centre (leisure)	A2	2 2025 Local Plan	Leisure centre		20%	50%	0.468	0.379	1.376	1.016	0.000	0.000	0.000	0.000
Caldew Riverside (non-food retail)	A3	2 2025 Local Plan	Retail park (excluding food)		20%	20%	0.574	0.209	1.421	2.109	0.005	0.003	0.005	0.002
Caldew Riverside (leisure)	A3	2 2025 Local Plan	Leisure centre		20%	20%	0.468	0.379	1.376	1.016	0.000	0.000	0.000	0.000
Lowther St Retail park (excluding food) and 466 space multi-storey	A4a	2 2025 Local Plan	Car park		20%		0.447	0.043	0.175	0.419	0.000	0.000	0.000	0.000
Rickergate Retail park (excluding food) and 450 space multi-storey	A4b	2 2025 Local Plan	Car park		20%		0.447	0.043	0.175	0.419	0.000	0.000	0.000	0.000
Rickergate leisure	A4b	2 2025 Local Plan	Restaurants		20%	20%	0.000	0.000	3.993	3.309	0.000	0.000	0.000	0.000
South Carlisle residential	S1	3 2030 Local Plan	Houses privately owned (city)				0.147	0.414	0.396	0.231	0.003	0.003	0.000	0.001
South Carlisle employment (B1 office)	S2	3 2030 Local Plan	Business park				1.447	0.237	0.192	1.066	0.016	0.014	0.002	0.002
South Carlisle employment (B2/B8 industrial)	S2	3 2030 Local Plan	Industrial estate (B2/B8)				0.376	0.188	0.082	0.308	0.023	0.022	0.014	0.007



## **TRICS Output**

Business park

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT  
 Category : B - BUSINESS PARK  
 VEHICLES

Selected regions and areas:

04	EAST ANGLIA	
	NF NORFOLK	1 days
06	WEST MIDLANDS	
	HE HEREFORDSHIRE	1 days
10	WALES	
	CP CAERPHILLY	1 days
11	SCOTLAND	
	FA FALKIRK	1 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: Gross floor area  
 Actual Range: 7400 to 18808 (units: sqm)  
 Range Selected by User: 4000 to 25000 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 24/10/13

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:

Tuesday	2 days
Thursday	1 days
Friday	1 days

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

Selected survey types:

Manual count	4 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	3
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:

Commercial Zone	2
Retail 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.



Filtering Stage 3 selection:

Use Class:

B1	4 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:

1,001 to 5,000	1 days
10,001 to 15,000	2 days
15,001 to 20,000	1 days

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

Population within 5 miles:

50,001 to 75,000	1 days
100,001 to 125,000	1 days
125,001 to 250,000	2 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	3 days
1.1 to 1.5	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:

No	4 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	CP-02-B-01 VAN ROAD	BUSINESS PARK	CAERPHILLY
	CAERPHILLY Edge of Town Commercial Zone Total Gross floor area:	14450 sqm	
	Survey date: TUESDAY	17/07/12	Survey Type: MANUAL
2	FA-02-B-02 CALLENDAR BOULEVARD CALLENDAR PARK FALKIRK	BUSINESS PARK	FALKIRK
	Edge of Town Commercial Zone Total Gross floor area:	16000 sqm	
	Survey date: FRIDAY	31/05/13	Survey Type: MANUAL
3	HE-02-B-01 A4103 WHITESTONE NEAR HEREFORD Neighbourhood Centre (PPS6 Local Centre) Village	BUSINESS PARK	HEREFORDSHIRE
	Total Gross floor area:	18808 sqm	
	Survey date: TUESDAY	13/09/11	Survey Type: MANUAL
4	NF-02-B-02 WHITING ROAD LONG JOHN'S HILL NORWICH	BUSINESS PARK	NORFOLK
	Edge of Town Retail Zone Total Gross floor area:	7400 sqm	
	Survey date: THURSDAY	17/05/07	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 02 - EMPLOYMENT/B - BUSINESS PARK  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	4	14165	0.554	4	14165	0.099	4	14165	0.653
08:00 - 09:00	4	14165	1.463	4	14165	0.251	4	14165	1.714
09:00 - 10:00	4	14165	0.683	4	14165	0.291	4	14165	0.974
10:00 - 11:00	4	14165	0.265	4	14165	0.256	4	14165	0.521
11:00 - 12:00	4	14165	0.267	4	14165	0.295	4	14165	0.562
12:00 - 13:00	4	14165	0.346	4	14165	0.602	4	14165	0.948
13:00 - 14:00	4	14165	0.484	4	14165	0.376	4	14165	0.860
14:00 - 15:00	4	14165	0.297	4	14165	0.332	4	14165	0.629
15:00 - 16:00	4	14165	0.238	4	14165	0.484	4	14165	0.722
16:00 - 17:00	4	14165	0.205	4	14165	0.768	4	14165	0.973
17:00 - 18:00	4	14165	0.194	4	14165	1.068	4	14165	1.262
18:00 - 19:00	4	14165	0.067	4	14165	0.238	4	14165	0.305
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			5.063			5.060			10.123

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: 7400 - 18808 (units: sqm)  
 Survey date range: 01/01/06 - 24/10/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK  
OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	4	14165	0.007	4	14165	0.005	4	14165	0.012
08:00 - 09:00	4	14165	0.016	4	14165	0.014	4	14165	0.030
09:00 - 10:00	4	14165	0.011	4	14165	0.014	4	14165	0.025
10:00 - 11:00	4	14165	0.004	4	14165	0.005	4	14165	0.009
11:00 - 12:00	4	14165	0.011	4	14165	0.009	4	14165	0.020
12:00 - 13:00	4	14165	0.007	4	14165	0.005	4	14165	0.012
13:00 - 14:00	4	14165	0.004	4	14165	0.011	4	14165	0.015
14:00 - 15:00	4	14165	0.011	4	14165	0.007	4	14165	0.018
15:00 - 16:00	4	14165	0.005	4	14165	0.002	4	14165	0.007
16:00 - 17:00	4	14165	0.005	4	14165	0.011	4	14165	0.016
17:00 - 18:00	4	14165	0.002	4	14165	0.002	4	14165	0.004
18:00 - 19:00	3	14069	0.000	3	14069	0.000	3	14069	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.083			0.085			0.168

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: 7400 - 18808 (units: sqm)  
 Survey date range: 01/01/06 - 24/10/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.



## **TRICS Output**

Car parks<sup>1</sup>

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<sup>1</sup> There is no TRICS land-use category for car parks, so the car park trip rate was calculated based on the vehicle trip rates per space for existing car parks in Carlisle city centre.

### Car park trips

Ref	Car park	No. spaces	In AM	Out AM	In PM	Out PM
1	Bitts Park	58	6	7	14	21
2	Devonshire Walk	334	25	4	5	24
3	Shaddongate	61	8	3	4	7
4	Town Dyke Orchard	253	28	6	11	49
5	William Street	210	78	4	8	77
6	Cecil Street	174	96	1	10	80
7	The Sands	210	70	31	158	110
8	Swifts Bank	208	109	2	10	84
9	Peter Street	120	61	3	3	58
10	Paddy's Market	24	5	0	5	9
11	Lower Viaduct	450	30	4	4	35
12	Upper Viaduct	211	89	5	13	76
13	Lowther Street	218	101	12	35	81
14	Civic Centre	90	18	1	9	20
Total		2,621	724	83	289	731
less than 100 spaces		58	9	3	8	14
between 100 and 250 spaces		193	86	8	34	81
more than 250 spaces		346	28	5	7	36

### Car park trip rates per space

Ref	Car park	No. spaces	In AM	Out AM	In PM	Out PM
1	Bitts Park	58	0.103	0.121	0.241	0.362
2	Devonshire Walk	334	0.075	0.012	0.015	0.072
3	Shaddongate	61	0.131	0.049	0.066	0.115
4	Town Dyke Orchard	253	0.111	0.024	0.043	0.194
5	William Street	210	0.371	0.019	0.038	0.367
6	Cecil Street	174	0.552	0.006	0.057	0.460
7	The Sands	210	0.333	0.148	0.752	0.524
8	Swifts Bank	208	0.524	0.010	0.048	0.404
9	Peter Street	120	0.508	0.025	0.025	0.483
10	Paddy's Market	24	0.208	0.000	0.208	0.375
11	Lower Viaduct	450	0.067	0.009	0.009	0.078
12	Upper Viaduct	211	0.422	0.024	0.062	0.360
13	Lowther Street	218	0.463	0.055	0.161	0.372
14	Civic Centre	90	0.200	0.011	0.100	0.222
average of all sites			0.276	0.032	0.110	0.279
less than 100 spaces			0.159	0.047	0.137	0.245
between 100 and 250 spaces			0.447	0.043	0.175	0.419
more than 250 spaces			0.080	0.014	0.019	0.104

## **TRICS Output**

Discount food stores



## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL  
 Category : C - DISCOUNT FOOD STORES  
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	KC KENT	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
10	WALES	
	GW GWYNEDD	1 days
	PS POWYS	1 days
11	SCOTLAND	
	HI HIGHLAND	1 days
	PK PERTH & KINROSS	1 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: Gross floor area  
 Actual Range: 1150 to 1900 (units: sqm)  
 Range Selected by User: 1000 to 2703 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 27/11/12

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	1 days
Tuesday	4 days
Wednesday	1 days
Friday	1 days

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

Selected survey types:

Manual count	7 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	6
Suburban Area (PPS6 Out of 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:

Retail Zone	2
Built-Up Zone	1
No Sub Category	4

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:

Not Known	1 days
A1	6 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:

5,001 to 10,000	3 days
10,001 to 15,000	1 days
15,001 to 20,000	2 days
25,001 to 50,000	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	3 days
25,001 to 50,000	2 days
100,001 to 125,000	1 days
125,001 to 250,000	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	7 days
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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	7 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:

Yes	1 days
No	6 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.

LIST OF SITES relevant to selection parameters

1	GW-01-C-01 HIGH STREET	LIDL		GWYNEDD
	BANGOR Edge of Town Centre No Sub Category Total Gross floor area:		1310 sqm	
	Survey date: FRIDAY		10/07/09	Survey Type: MANUAL
2	HI-01-C-01 CAMANACHD CRESCENT	LIDL		HIGHLAND
	FORT WILLIAM Edge of Town Centre Retail Zone Total Gross floor area:		1285 sqm	
	Survey date: TUESDAY		19/05/09	Survey Type: MANUAL
3	KC-01-C-02 WELL ROAD	ALDI		KENT
	MAIDSTONE Edge of Town Centre Built-Up Zone Total Gross floor area:		1407 sqm	
	Survey date: TUESDAY		27/11/12	Survey Type: MANUAL
4	NY-01-C-02 STATION ROAD	LIDL		NORTH YORKSHIRE
	THIRSK Edge of Town Centre No Sub Category Total Gross floor area:		1527 sqm	
	Survey date: TUESDAY		11/10/11	Survey Type: MANUAL
5	PK-01-C-01 GLASGOW ROAD	ALDI		PERTH & KINROSS
	PERTH Edge of Town Centre Retail Zone Total Gross floor area:		1400 sqm	
	Survey date: WEDNESDAY		11/05/11	Survey Type: MANUAL
6	PS-01-C-01 RICH WAY	ALDI		POWYS
	BRECON Edge of Town Centre No Sub Category Total Gross floor area:		1150 sqm	
	Survey date: MONDAY		15/09/08	Survey Type: MANUAL
7	SH-01-C-01 CASTLE STREET	LIDL		SHROPSHIRE
	HADLEY TELFORD Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area:		1900 sqm	
	Survey date: TUESDAY		16/06/09	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/C - DISCOUNT FOOD STORES  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	5	1460	0.315	5	1460	0.096	5	1460	0.411
08:00 - 09:00	7	1426	0.992	7	1426	0.641	7	1426	1.633
09:00 - 10:00	7	1426	2.145	7	1426	1.553	7	1426	3.698
10:00 - 11:00	7	1426	3.407	7	1426	2.766	7	1426	6.173
11:00 - 12:00	7	1426	3.197	7	1426	3.046	7	1426	6.243
12:00 - 13:00	7	1426	2.926	7	1426	3.107	7	1426	6.033
13:00 - 14:00	7	1426	2.676	7	1426	2.896	7	1426	5.572
14:00 - 15:00	7	1426	3.738	7	1426	3.447	7	1426	7.185
15:00 - 16:00	7	1426	3.537	7	1426	3.718	7	1426	7.255
16:00 - 17:00	7	1426	3.026	7	1426	3.167	7	1426	6.193
17:00 - 18:00	7	1426	2.856	7	1426	3.487	7	1426	6.343
18:00 - 19:00	7	1426	2.134	7	1426	2.425	7	1426	4.559
19:00 - 20:00	7	1426	0.972	7	1426	1.393	7	1426	2.365
20:00 - 21:00	4	1411	0.266	4	1411	0.390	4	1411	0.656
21:00 - 22:00	2	1404	0.143	2	1404	0.392	2	1404	0.535
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			32.330			32.524			64.854

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: 1150 - 1900 (units: sqm)  
 Survey date range: 01/01/06 - 27/11/12  
 Number of weekdays (Monday-Friday): 7  
 Number of Saturdays: 0  
 Number of Sundays: 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.



TRIP RATE for Land Use 01 - RETAIL/C - DISCOUNT FOOD STORES

OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	5	1460	0.000	5	1460	0.000	5	1460	0.000
08:00 - 09:00	7	1426	0.030	7	1426	0.040	7	1426	0.070
09:00 - 10:00	7	1426	0.030	7	1426	0.020	7	1426	0.050
10:00 - 11:00	7	1426	0.010	7	1426	0.020	7	1426	0.030
11:00 - 12:00	7	1426	0.010	7	1426	0.010	7	1426	0.020
12:00 - 13:00	7	1426	0.010	7	1426	0.010	7	1426	0.020
13:00 - 14:00	7	1426	0.030	7	1426	0.030	7	1426	0.060
14:00 - 15:00	7	1426	0.030	7	1426	0.030	7	1426	0.060
15:00 - 16:00	7	1426	0.010	7	1426	0.000	7	1426	0.010
16:00 - 17:00	7	1426	0.000	7	1426	0.010	7	1426	0.010
17:00 - 18:00	7	1426	0.000	7	1426	0.000	7	1426	0.000
18:00 - 19:00	7	1426	0.000	7	1426	0.000	7	1426	0.000
19:00 - 20:00	7	1426	0.000	7	1426	0.000	7	1426	0.000
20:00 - 21:00	4	1411	0.000	4	1411	0.000	4	1411	0.000
21:00 - 22:00	2	1404	0.000	2	1404	0.000	2	1404	0.000
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.160			0.170			0.330

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:  $\text{COUNT} / \text{TRP} * \text{FACT}$ . Trip rates are then rounded to 3 decimal places.

#### Parameter summary

Trip rate parameter range selected: 1150 - 1900 (units: sqm)  
 Survey date range: 01/01/06 - 27/11/12  
 Number of weekdays (Monday-Friday): 7  
 Number of Saturdays: 0  
 Number of Sundays: 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.

## **TRICS Output**

Food superstore (edge of town)

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL  
 Category : A - FOOD SUPERSTORE  
 VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	CW CORNWALL	1 days
	GS GLOUCESTERSHIRE	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
	WK WARWICKSHIRE	2 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: Gross floor area  
 Actual Range: 6800 to 8991 (units: sqm)  
 Range Selected by User: 6500 to 12642 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 01/03/14

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:

Tuesday	2 days
Wednesday	1 days
Thursday	1 days
Friday	1 days

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

Selected survey types:

Manual count	5 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
Edge of Town	4

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:

Commercial Zone	1
Residential Zone	2
No Sub Category	2

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:

A1	5 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:

5,001 to 10,000	2 days
10,001 to 15,000	1 days
20,001 to 25,000	2 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	1 days
50,001 to 75,000	1 days
75,001 to 100,000	2 days
125,001 to 250,000	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	2 days
1.1 to 1.5	3 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:

PFS is present at the site and is included in the count	5 days
PFS is present at the site but is excluded from the count	0 days
There is no PFS at the site	0 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	5 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	CW-01-A-09 KERNICK ROAD	ASDA		CORNWALL
	PENRYN			
	Edge of Town			
	No Sub Category			
	Total Gross floor area:	8991 sqm		
	Survey date: TUESDAY	26/05/09		Survey Type: MANUAL
2	GS-01-A-03 BARNETT WAY	SAINSBURYS		GLOUCESTERSHIRE
	BARNWOOD			
	GLOUCESTER			
	Edge of Town			
	Commercial Zone			
	Total Gross floor area:	7950 sqm		
	Survey date: FRIDAY	30/04/10		Survey Type: MANUAL
3	SH-01-A-02 WHITCHURCH ROAD	MORRISONS		SHROPSHIRE
	DITHERINGTON			
	SHREWSBURY			
	Suburban Area (PPS6 Out of Centre)			
	No Sub Category			
	Total Gross floor area:	6800 sqm		
	Survey date: THURSDAY	11/06/09		Survey Type: MANUAL
4	WK-01-A-02 CHESTERTON DRIVE	ASDA		WARWICKSHIRE
	SYDENHAM			
	LEAMINGTON SPA			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	8018 sqm		
	Survey date: WEDNESDAY	17/10/12		Survey Type: MANUAL
5	WK-01-A-03 EMSCOTE ROAD	TESCO		WARWICKSHIRE
	WARWICK			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	7951 sqm		
	Survey date: TUESDAY	16/10/12		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/A - FOOD SUPERSTORE  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	5	7942	1.710	5	7942	0.970	5	7942	2.680
08:00 - 09:00	5	7942	2.866	5	7942	2.156	5	7942	5.022
09:00 - 10:00	5	7942	4.311	5	7942	3.052	5	7942	7.363
10:00 - 11:00	5	7942	4.853	5	7942	4.211	5	7942	9.064
11:00 - 12:00	5	7942	5.283	5	7942	5.031	5	7942	10.314
12:00 - 13:00	5	7942	5.253	5	7942	5.412	5	7942	10.665
13:00 - 14:00	5	7942	5.336	5	7942	5.402	5	7942	10.738
14:00 - 15:00	5	7942	4.729	5	7942	5.122	5	7942	9.851
15:00 - 16:00	5	7942	4.752	5	7942	5.079	5	7942	9.831
16:00 - 17:00	5	7942	4.943	5	7942	4.999	5	7942	9.942
17:00 - 18:00	5	7942	5.341	5	7942	5.326	5	7942	10.667
18:00 - 19:00	5	7942	4.757	5	7942	5.341	5	7942	10.098
19:00 - 20:00	5	7942	3.432	5	7942	4.075	5	7942	7.507
20:00 - 21:00	5	7942	2.246	5	7942	2.904	5	7942	5.150
21:00 - 22:00	5	7942	1.199	5	7942	1.790	5	7942	2.989
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		61.011			60.870			121.881	

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: 6800 - 8991 (units: sqm)  
 Survey date range: 01/01/06 - 01/03/14  
 Number of weekdays (Monday-Friday): 5  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 01 - RETAIL/A - FOOD SUPERSTORE  
OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	5	7942	0.025	5	7942	0.015	5	7942	0.040
08:00 - 09:00	5	7942	0.030	5	7942	0.043	5	7942	0.073
09:00 - 10:00	5	7942	0.028	5	7942	0.035	5	7942	0.063
10:00 - 11:00	5	7942	0.020	5	7942	0.010	5	7942	0.030
11:00 - 12:00	5	7942	0.030	5	7942	0.035	5	7942	0.065
12:00 - 13:00	5	7942	0.040	5	7942	0.018	5	7942	0.058
13:00 - 14:00	5	7942	0.045	5	7942	0.040	5	7942	0.085
14:00 - 15:00	5	7942	0.028	5	7942	0.028	5	7942	0.056
15:00 - 16:00	5	7942	0.023	5	7942	0.045	5	7942	0.068
16:00 - 17:00	5	7942	0.015	5	7942	0.028	5	7942	0.043
17:00 - 18:00	5	7942	0.023	5	7942	0.023	5	7942	0.046
18:00 - 19:00	5	7942	0.030	5	7942	0.020	5	7942	0.050
19:00 - 20:00	5	7942	0.013	5	7942	0.023	5	7942	0.036
20:00 - 21:00	5	7942	0.020	5	7942	0.005	5	7942	0.025
21:00 - 22:00	5	7942	0.008	5	7942	0.005	5	7942	0.013
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.378			0.373			0.751

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: 6800 - 8991 (units: sqm)  
 Survey date range: 01/01/06 - 01/03/14  
 Number of weekdays (Monday-Friday): 5  
 Number of Saturdays: 0  
 Number of Sundays: 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.

## **TRICS Output**

Food superstore (town centre)



## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL  
 Category : A - FOOD SUPERSTORE  
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	SC SURREY	1 days
03	SOUTH WEST	
	DV DEVON	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
	SF SUFFOLK	1 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: Gross floor area  
 Actual Range: 2210 to 5000 (units: sqm)  
 Range Selected by User: 2000 to 6000 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 19/07/13

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:

Thursday	1 days
Friday	3 days

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

Selected survey types:

Manual count	4 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:

Town Centre	3
Suburban Area (PPS6 Out of 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
Retail Zone	1
High Street	2

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:

A1	4 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	1 days
10,001 to 15,000	2 days
25,001 to 50,000	1 days

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

Population within 5 miles:

100,001 to 125,000	1 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	1 days
1.1 to 1.5	3 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:

PFS is present at the site and is included in the count	0 days
PFS is present at the site but is excluded from the count	0 days
There is no PFS at the site	4 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:

Yes	2 days
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.

LIST OF SITES relevant to selection parameters

1	CA-01-A-01 SIDNEY STREET	SAINBURY'S	CAMBRIDGESHIRE
	CAMBRIDGE Town Centre High Street		
	Total Gross floor area:	2210 sqm	
	Survey date: FRIDAY	12/07/13	Survey Type: MANUAL
2	DV-01-A-21 TORR LANE	MORRISONS	DEVON
	PENNYCROSS PLYMOUTH		
	Suburban Area (PPS6 Out of Centre) Residential Zone		
	Total Gross floor area:	5000 sqm	
	Survey date: FRIDAY	23/10/09	Survey Type: MANUAL
3	SC-01-A-08 LONDON ROAD	SAINSBURY'S	SURREY
	REDHILL Town Centre Retail Zone		
	Total Gross floor area:	4746 sqm	
	Survey date: THURSDAY	08/07/10	Survey Type: MANUAL
4	SF-01-A-02 UPPER BROOK STREET	SAINSBURY'S	SUFFOLK
	IPSWICH Town Centre High Street		
	Total Gross floor area:	3280 sqm	
	Survey date: FRIDAY	19/07/13	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/A - FOOD SUPERSTORE  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	1	4746	0.105	1	4746	0.084	1	4746	0.189
07:00 - 08:00	4	3809	1.142	4	3809	0.519	4	3809	1.661
08:00 - 09:00	4	3809	3.032	4	3809	1.969	4	3809	5.001
09:00 - 10:00	4	3809	4.247	4	3809	3.643	4	3809	7.890
10:00 - 11:00	4	3809	5.559	4	3809	4.680	4	3809	10.239
11:00 - 12:00	4	3809	5.795	4	3809	5.480	4	3809	11.275
12:00 - 13:00	4	3809	6.019	4	3809	6.170	4	3809	12.189
13:00 - 14:00	4	3809	6.524	4	3809	6.314	4	3809	12.838
14:00 - 15:00	4	3809	6.097	4	3809	6.367	4	3809	12.464
15:00 - 16:00	4	3809	5.638	4	3809	5.723	4	3809	11.361
16:00 - 17:00	4	3809	5.402	4	3809	5.743	4	3809	11.145
17:00 - 18:00	4	3809	5.513	4	3809	5.920	4	3809	11.433
18:00 - 19:00	4	3809	4.312	4	3809	5.257	4	3809	9.569
19:00 - 20:00	4	3809	3.557	4	3809	3.853	4	3809	7.410
20:00 - 21:00	3	3985	2.417	3	3985	2.844	3	3985	5.261
21:00 - 22:00	3	3985	0.928	3	3985	1.823	3	3985	2.751
22:00 - 23:00	1	4746	0.042	1	4746	0.190	1	4746	0.232
23:00 - 24:00									
Total Rates:			66.329			66.579			132.908

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: 2210 - 5000 (units: sqm)  
 Survey date range: 01/01/06 - 19/07/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 01 - RETAIL/A - FOOD SUPERSTORE  
OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	1	4746	0.021	1	4746	0.042	1	4746	0.063
07:00 - 08:00	4	3809	0.013	4	3809	0.007	4	3809	0.020
08:00 - 09:00	4	3809	0.033	4	3809	0.039	4	3809	0.072
09:00 - 10:00	4	3809	0.007	4	3809	0.020	4	3809	0.027
10:00 - 11:00	4	3809	0.020	4	3809	0.007	4	3809	0.027
11:00 - 12:00	4	3809	0.007	4	3809	0.026	4	3809	0.033
12:00 - 13:00	4	3809	0.000	4	3809	0.007	4	3809	0.007
13:00 - 14:00	4	3809	0.013	4	3809	0.013	4	3809	0.026
14:00 - 15:00	4	3809	0.007	4	3809	0.000	4	3809	0.007
15:00 - 16:00	4	3809	0.007	4	3809	0.013	4	3809	0.020
16:00 - 17:00	4	3809	0.013	4	3809	0.013	4	3809	0.026
17:00 - 18:00	4	3809	0.013	4	3809	0.013	4	3809	0.026
18:00 - 19:00	4	3809	0.007	4	3809	0.007	4	3809	0.014
19:00 - 20:00	4	3809	0.007	4	3809	0.000	4	3809	0.007
20:00 - 21:00	3	3985	0.000	3	3985	0.008	3	3985	0.008
21:00 - 22:00	3	3985	0.000	3	3985	0.000	3	3985	0.000
22:00 - 23:00	1	4746	0.021	1	4746	0.021	1	4746	0.042
23:00 - 24:00									
Total Rates:			0.189			0.236			0.425

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: 2210 - 5000 (units: sqm)  
 Survey date range: 01/01/06 - 19/07/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.



## **TRICS Output**

GP surgery

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 05 - HEALTH  
 Category : G - GP SURGERIES  
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	BU BUCKINGHAMSHIRE	2 days
03	SOUTH WEST	
	CW CORNWALL	1 days
	GS GLOUCESTERSHIRE	1 days
	SM SOMERSET	1 days
04	EAST ANGLIA	
	NF NORFOLK	1 days
05	EAST MIDLANDS	
	LN LINCOLNSHIRE	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NO NORTH LINCOLNSHIRE	1 days
08	NORTH WEST	
	CH CHESHIRE	1 days
09	NORTH	
	TV TEES VALLEY	1 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: Gross floor area  
 Actual Range: 200 to 1592 (units: sqm)  
 Range Selected by User: 143 to 1592 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 25/06/13

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:

Tuesday	4 days
Wednesday	1 days
Thursday	3 days
Friday	3 days

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

Selected survey types:

Manual count	11 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	3
Suburban Area (PPS6 Out of Centre)	4
Edge of Town	4

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:

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:

D1

11 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:

5,001 to 10,000	1 days
10,001 to 15,000	4 days
15,001 to 20,000	3 days
20,001 to 25,000	2 days
25,001 to 50,000	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	1 days
50,001 to 75,000	1 days
75,001 to 100,000	3 days
100,001 to 125,000	2 days
125,001 to 250,000	4 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	3 days
1.1 to 1.5	8 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	1 days
No	10 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.

LIST OF SITES relevant to selection parameters

1	BU-05-G-01 HANNON ROAD	GP SURGERY	BUCKINGHAMSHIRE
	AYLESBURY Edge of Town Residential Zone Total Gross floor area:	620 sqm 03/12/09	Survey Type: MANUAL
2	BU-05-G-02 HINDHEAD KNOLL WALNUT TREE MILTON KEYNES Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area:	601 sqm 19/10/10	Survey Type: MANUAL
3	CH-05-G-03 HEATH LANE BOUGHTON HEATH CHESTER Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area:	800 sqm 29/05/12	Survey Type: MANUAL
4	CW-05-G-01 CARLYON ROAD	GP SURGERY	CORNWALL
	ST AUSTELL Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area:	350 sqm 19/09/07	Survey Type: MANUAL
5	GS-05-G-01 ABBOTSWOOD ROAD BROCKWORTH GLOUCESTER Edge of Town Residential Zone Total Gross floor area:	475 sqm 27/04/10	Survey Type: MANUAL
6	LN-05-G-01 95 MONKS ROAD	GP SURGERY	LINCOLNSHIRE
	LINCOLN Edge of Town Centre Residential Zone Total Gross floor area:	506 sqm 25/06/13	Survey Type: MANUAL
7	NF-05-G-02 OAK STREET	GP SURGERY	NORFOLK
	NORWICH Edge of Town Centre Residential Zone Total Gross floor area:	575 sqm 24/09/10	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	NO-05-G-02	GP SURGERY		NORTH LINCOLNSHIRE
	FERRY ROAD WEST			
	SCUNTHORPE			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	350 sqm		
	Survey date: THURSDAY	17/09/09	Survey Type: MANUAL	
9	SM-05-G-01	GP SURGERY		SOMERSET
	MANTLE STREET			
	WELLINGTON			
	NEAR TAUNTON			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Gross floor area:	1592 sqm		
	Survey date: FRIDAY	06/07/12	Survey Type: MANUAL	
10	TV-05-G-01	GP SURGERY		TEES VALLEY
	EARLSFERRY ROAD			
	HARTLEPOOL			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	200 sqm		
	Survey date: FRIDAY	07/09/07	Survey Type: MANUAL	
11	WK-05-G-01	GP SURGERY		WARWICKSHIRE
	COURT STREET			
	LEAMINGTON SPA			
	Edge of Town Centre			
	No Sub Category			
	Total Gross floor area:	530 sqm		
	Survey date: THURSDAY	25/10/12	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 05 - HEALTH/G - GP SURGERIES  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	11	600	1.288	11	600	0.273	11	600	1.561
08:00 - 09:00	11	600	5.319	11	600	2.546	11	600	7.865
09:00 - 10:00	11	600	5.334	11	600	4.652	11	600	9.986
10:00 - 11:00	11	600	5.440	11	600	5.304	11	600	10.744
11:00 - 12:00	11	600	4.470	11	600	5.001	11	600	9.471
12:00 - 13:00	11	600	3.334	11	600	4.016	11	600	7.350
13:00 - 14:00	11	600	2.364	11	600	2.425	11	600	4.789
14:00 - 15:00	11	600	3.834	11	600	3.516	11	600	7.350
15:00 - 16:00	11	600	4.334	11	600	4.152	11	600	8.486
16:00 - 17:00	11	600	3.652	11	600	4.440	11	600	8.092
17:00 - 18:00	11	600	2.349	11	600	3.576	11	600	5.925
18:00 - 19:00	11	600	0.242	11	600	1.834	11	600	2.076
19:00 - 20:00	1	620	0.000	1	620	0.000	1	620	0.000
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		41.960			41.735			83.695	

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: 200 - 1592 (units: sqm)  
 Survey date range: 01/01/06 - 25/06/13  
 Number of weekdays (Monday-Friday): 11  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 05 - HEALTH/G - GP SURGERIES

OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	11	600	0.000	11	600	0.000	11	600	0.000
08:00 - 09:00	11	600	0.000	11	600	0.000	11	600	0.000
09:00 - 10:00	11	600	0.000	11	600	0.000	11	600	0.000
10:00 - 11:00	11	600	0.000	11	600	0.000	11	600	0.000
11:00 - 12:00	11	600	0.030	11	600	0.030	11	600	0.060
12:00 - 13:00	11	600	0.000	11	600	0.000	11	600	0.000
13:00 - 14:00	11	600	0.000	11	600	0.000	11	600	0.000
14:00 - 15:00	11	600	0.000	11	600	0.000	11	600	0.000
15:00 - 16:00	11	600	0.000	11	600	0.000	11	600	0.000
16:00 - 17:00	11	600	0.015	11	600	0.015	11	600	0.030
17:00 - 18:00	11	600	0.000	11	600	0.000	11	600	0.000
18:00 - 19:00	11	600	0.000	11	600	0.000	11	600	0.000
19:00 - 20:00	1	620	0.000	1	620	0.000	1	620	0.000
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.045			0.045			0.090

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: 200 - 1592 (units: sqm)  
 Survey date range: 01/01/06 - 25/06/13  
 Number of weekdays (Monday-Friday): 11  
 Number of Saturdays: 0  
 Number of Sundays: 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.

## TRICS Output

Hotels

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 06 - HOTEL, FOOD &amp; DRINK

Category : A - HOTELS

## VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	BU BUCKINGHAMSHIRE	1 days
	WS WEST SUSSEX	1 days
03	SOUTH WEST	
	GS GLOUCESTERSHIRE	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
	NF NORFOLK	1 days
08	NORTH WEST	
	CH CHESHIRE	1 days
09	NORTH	
	TV TEES VALLEY	1 days
11	SCOTLAND	
	HI HIGHLAND	1 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 bedrooms  
 Actual Range: 60 to 139 (units: )  
 Range Selected by User: 50 to 380 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 23/10/13

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	1 days
Wednesday	2 days
Thursday	3 days
Friday	2 days

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

Selected survey types:

Manual count	8 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)	4
Edge of Town	3
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:

Commercial Zone	1
Residential Zone	1
Built-Up 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.

Filtering Stage 3 selection:

Use Class:

C1

8 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:

5,001 to 10,000

4 days

10,001 to 15,000

1 days

20,001 to 25,000

2 days

25,001 to 50,000

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

1 days

75,001 to 100,000

1 days

100,001 to 125,000

1 days

125,001 to 250,000

5 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

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

8 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.

LIST OF SITES relevant to selection parameters

1	BU-06-A-01 NEW ROAD	HOLIDAY INN		BUCKINGHAMSHIRE
	AYLESBURY Edge of Town Out of Town			
	Total Number of bedrooms:	139		
	Survey date: THURSDAY	03/12/09		Survey Type: MANUAL
2	CA-06-A-03 CLIFTON WAY	TRAVELODGE		CAMBRIDGESHIRE
	CAMBRIDGE LEISURE PARK CAMBRIDGE Suburban Area (PPS6 Out of Centre) Built-Up Zone			
	Total Number of bedrooms:	120		
	Survey date: FRIDAY	16/10/09		Survey Type: MANUAL
3	CH-06-A-01 WHITCHURCH ROAD	RAMADA JARVIS		CHESHIRE
	CHRISTLETON CHESTER Neighbourhood Centre (PPS6 Local Centre) Village			
	Total Number of bedrooms:	126		
	Survey date: WEDNESDAY	15/10/08		Survey Type: MANUAL
4	GS-06-A-01 GLOUCESTER ROAD	PREMIER INN		GLOUCESTERSHIRE
	ST MARKS CHELTENHAM Suburban Area (PPS6 Out of Centre) Residential Zone			
	Total Number of bedrooms:	60		
	Survey date: WEDNESDAY	28/04/10		Survey Type: MANUAL
5	HI-06-A-03 A96	EXPRESS BY HOL.INN		HIGHLAND
	STONEFIELD BUSINESS PK INVERNESS Edge of Town Commercial Zone			
	Total Number of bedrooms:	94		
	Survey date: THURSDAY	25/05/06		Survey Type: MANUAL
6	NF-06-A-02 IPSWICH ROAD	HOLIDAY INN		NORFOLK
	HARFORD PARK NORWICH Edge of Town No Sub Category			
	Total Number of bedrooms:	119		
	Survey date: THURSDAY	30/09/10		Survey Type: MANUAL
7	TV-06-A-02 MARTON ROAD	HOTEL		TEES VALLEY
	MIDDLESBROUGH Suburban Area (PPS6 Out of Centre) No Sub Category			
	Total Number of bedrooms:	74		
	Survey date: FRIDAY	18/12/09		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	WS-06-A-03	EXPRESS BY HOL. INN	WEST SUSSEX
	HASLETT AVENUE EAST		
	CRAWLEY		
	Suburban Area (PPS6 Out of Centre)		
	No Sub Category		
	Total Number of bedrooms:	74	
	Survey date: MONDAY	07/12/09	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 06 - HOTEL, FOOD & DRINK/A - HOTELS  
VEHICLES

Calculation factor: 1 BEDRMS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. BEDRMS	Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	No. Days	Ave. BEDRMS	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	8	101	0.093	8	101	0.148	8	101	0.241
08:00 - 09:00	8	101	0.160	8	101	0.252	8	101	0.412
09:00 - 10:00	8	101	0.155	8	101	0.164	8	101	0.319
10:00 - 11:00	8	101	0.115	8	101	0.112	8	101	0.227
11:00 - 12:00	8	101	0.079	8	101	0.115	8	101	0.194
12:00 - 13:00	8	101	0.079	8	101	0.072	8	101	0.151
13:00 - 14:00	8	101	0.082	8	101	0.098	8	101	0.180
14:00 - 15:00	8	101	0.084	8	101	0.117	8	101	0.201
15:00 - 16:00	8	101	0.115	8	101	0.104	8	101	0.219
16:00 - 17:00	8	101	0.129	8	101	0.105	8	101	0.234
17:00 - 18:00	8	101	0.208	8	101	0.132	8	101	0.340
18:00 - 19:00	8	101	0.171	8	101	0.099	8	101	0.270
19:00 - 20:00	8	101	0.167	8	101	0.103	8	101	0.270
20:00 - 21:00	8	101	0.069	8	101	0.060	8	101	0.129
21:00 - 22:00	7	102	0.053	7	102	0.069	7	102	0.122
22:00 - 23:00	1	74	0.081	1	74	0.068	1	74	0.149
23:00 - 24:00	1	74	0.014	1	74	0.000	1	74	0.014
Total Rates:			1.854			1.818			3.672

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: 60 - 139 (units: )  
 Survey date range: 01/01/06 - 23/10/13  
 Number of weekdays (Monday-Friday): 8  
 Number of Saturdays: 0  
 Number of Sundays: 0  
 Surveys manually removed from selection: 1

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 06 - HOTEL, FOOD &amp; DRINK/A - HOTELS

OGVS

Calculation factor: 1 BEDRMS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. BEDRMS	Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	No. Days	Ave. BEDRMS	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	8	101	0.005	8	101	0.006	8	101	0.011
08:00 - 09:00	8	101	0.001	8	101	0.001	8	101	0.002
09:00 - 10:00	8	101	0.004	8	101	0.002	8	101	0.006
10:00 - 11:00	8	101	0.007	8	101	0.007	8	101	0.014
11:00 - 12:00	8	101	0.002	8	101	0.005	8	101	0.007
12:00 - 13:00	8	101	0.005	8	101	0.002	8	101	0.007
13:00 - 14:00	8	101	0.001	8	101	0.002	8	101	0.003
14:00 - 15:00	8	101	0.000	8	101	0.000	8	101	0.000
15:00 - 16:00	8	101	0.000	8	101	0.000	8	101	0.000
16:00 - 17:00	8	101	0.000	8	101	0.000	8	101	0.000
17:00 - 18:00	8	101	0.001	8	101	0.001	8	101	0.002
18:00 - 19:00	8	101	0.000	8	101	0.000	8	101	0.000
19:00 - 20:00	8	101	0.000	8	101	0.000	8	101	0.000
20:00 - 21:00	8	101	0.000	8	101	0.000	8	101	0.000
21:00 - 22:00	7	102	0.000	7	102	0.000	7	102	0.000
22:00 - 23:00	1	74	0.000	1	74	0.000	1	74	0.000
23:00 - 24:00	1	74	0.000	1	74	0.000	1	74	0.000
Total Rates:			0.026			0.026			0.052

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:  $\text{COUNT} / \text{TRP} * \text{FACT}$ . Trip rates are then rounded to 3 decimal places.

#### Parameter summary

Trip rate parameter range selected: 60 - 139 (units: )  
 Survey date date range: 01/01/06 - 23/10/13  
 Number of weekdays (Monday-Friday): 8  
 Number of Saturdays: 0  
 Number of Sundays: 0  
 Surveys manually removed from selection: 1

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 Output**

Houses privately owned (city)

## TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

02	SOUTH EAST	
	EX ESSEX	1 days
	SC SURREY	1 days
03	SOUTH WEST	
	CW CORNWALL	1 days
	WL WILTSHIRE	1 days
04	EAST ANGLIA	
	NF NORFOLK	1 days
	SF SUFFOLK	3 days
05	EAST MIDLANDS	
	LN LINCOLNSHIRE	2 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	2 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
08	NORTH WEST	
	CH CHESHIRE	2 days
09	NORTH	
	CB CUMBRIA	1 days
10	WALES	
	CF CARDIFF	1 days
11	SCOTLAND	
	AD ABERDEEN CITY	1 days
	FA FALKIRK	1 days
	FI FIFE	1 days
	HI HIGHLAND	2 days
	SR STIRLING	1 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  
Actual Range: 54 to 237 (units: )  
Range Selected by User: 50 to 350 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 23/01/14

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	7 days
Tuesday	6 days
Wednesday	3 days
Thursday	4 days
Friday	5 days

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

Selected survey types:

Manual count	25 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)	11
Edge of Town	14

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	20
Out of Town	1
No Sub Category	4

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	25 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®.

## Filtering Stage 3 selection (Cont.):

Population within 1 mile:

5,001 to 10,000	7 days
10,001 to 15,000	3 days
15,001 to 20,000	10 days
20,001 to 25,000	4 days
25,001 to 50,000	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	4 days
50,001 to 75,000	3 days
75,001 to 100,000	4 days
100,001 to 125,000	7 days
125,001 to 250,000	7 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	8 days
1.1 to 1.5	17 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	25 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	AD-03-A-01 SPRINGFIELD ROAD	SEMI -DETACHED		ABERDEEN CITY
	ABERDEEN Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 59 Survey date: FRIDAY 18/05/12			Survey Type: MANUAL
2	CB-03-A-04 MOORCLOSE ROAD SALTERBACK WORKINGTON Edge of Town No Sub Category Total Number of dwellings: 82 Survey date: FRIDAY 24/04/09	SEMI DETACHED		CUMBRIA
3	CF-03-A-02 DROPE ROAD	MIXED HOUSES		CARDIFF
	CARDIFF Edge of Town Residential Zone Total Number of dwellings: 196 Survey date: FRIDAY 05/10/07			Survey Type: MANUAL
4	CH-03-A-02 SYDNEY ROAD	HOUSES/FLATS		CHESHIRE
	CREWE Edge of Town Residential Zone Total Number of dwellings: 174 Survey date: TUESDAY 14/10/08			Survey Type: MANUAL
5	CH-03-A-06 CREWE ROAD	SEMI -DET./BUNGALOWS		CHESHIRE
	CREWE Suburban Area (PPS6 Out of Centre) No Sub Category Total Number of dwellings: 129 Survey date: TUESDAY 14/10/08			Survey Type: MANUAL
6	CW-03-A-02 BOSVEAN GARDENS	SEMI D./DETACHED		CORNWALL
	TRURO Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 73 Survey date: TUESDAY 18/09/07			Survey Type: MANUAL
7	EX-03-A-01 MILTON ROAD CORRINGHAM STANFORD-LE-HOPE Edge of Town Residential Zone Total Number of dwellings: 237 Survey date: TUESDAY 13/05/08	SEMI -DET.		ESSEX
				Survey Type: MANUAL



LIST OF SITES relevant to selection parameters (Cont.)

8	FA-03-A-02	MIXED HOUSES	FALKIRK
	ROSEBANK AVENUE & SPRINGFIELD DRIVE		
	FALKIRK		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	161	
	Survey date: WEDNESDAY	29/05/13	Survey Type: MANUAL
9	FI-03-A-03	MIXED HOUSES	FIFE
	WOODMILL ROAD		
	DUNFERMLINE		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	155	
	Survey date: MONDAY	30/04/07	Survey Type: MANUAL
10	HI-03-A-11	BUNGALOWS	HIGHLAND
	STEVENSON ROAD		
	INSHES		
	INVERNESS		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	85	
	Survey date: MONDAY	05/06/06	Survey Type: MANUAL
11	HI-03-A-14	SEMI-DETACHED	HIGHLAND
	CALEDONIAN ROAD		
	DALNEIGH		
	INVERNESS		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	73	
	Survey date: FRIDAY	13/05/11	Survey Type: MANUAL
12	LN-03-A-01	MIXED HOUSES	LINCOLNSHIRE
	BRANT ROAD		
	BRACEBRIDGE		
	LINCOLN		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	150	
	Survey date: TUESDAY	15/05/07	Survey Type: MANUAL
13	LN-03-A-02	MIXED HOUSES	LINCOLNSHIRE
	HYKEHAM ROAD		
	LINCOLN		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	186	
	Survey date: MONDAY	14/05/07	Survey Type: MANUAL
14	NF-03-A-02	HOUSES & FLATS	NORFOLK
	DEREHAM ROAD		
	NORWICH		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	98	
	Survey date: MONDAY	22/10/12	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

15	NT-03-A-03 SEMI DETACHED B6018 SUTTON ROAD		NOTTINGHAMSHIRE
	KIRKBY-IN-ASHFIELD Edge of Town Residential Zone Total Number of dwellings: 166 Survey date: WEDNESDAY 28/06/06		Survey Type: MANUAL
16	NY-03-A-10 HOUSES AND FLATS BOROUGHBRIDGE ROAD		NORTH YORKSHIRE
	RIPON Edge of Town No Sub Category Total Number of dwellings: 71 Survey date: TUESDAY 17/09/13		Survey Type: MANUAL
17	SC-03-A-04 DETACHED & TERRACED HIGH ROAD		SURREY
	BYFLEET Edge of Town Residential Zone Total Number of dwellings: 71 Survey date: THURSDAY 23/01/14		Survey Type: MANUAL
18	SF-03-A-01 SEMI DETACHED A1156 FELIXSTOWE ROAD RACECOURSE IPSWICH Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 77 Survey date: WEDNESDAY 23/05/07		SUFFOLK
19	SF-03-A-02 SEMI DET./TERRACED STOKE PARK DRIVE MAIDENHALL IPSWICH Edge of Town Residential Zone Total Number of dwellings: 230 Survey date: THURSDAY 24/05/07		Survey Type: MANUAL
20	SF-03-A-03 MIXED HOUSES 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		SUFFOLK
21	SH-03-A-04 TERRACED ST MICHAEL'S STREET		SHROPSHIRE
	SHREWSBURY Suburban Area (PPS6 Out of Centre) No Sub Category Total Number of dwellings: 108 Survey date: THURSDAY 11/06/09		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

22	SH-03-A-05 SANDCROFT SUTTON HILL TELFORD Edge of Town Residential Zone Total Number of dwellings: Survey date: THURSDAY	SEMI -DETACHED/TERRACED      54 24/10/13	SHROPSHIRE      Survey Type: MANUAL
23	SR-03-A-01 BENVUE  STIRLING Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: Survey date: MONDAY	DETACHED     115 23/04/07	STIRLING      Survey Type: MANUAL
24	WL-03-A-01 MAPLE DRIVE  WOOTTON BASSETT Edge of Town Residential Zone Total Number of dwellings: Survey date: MONDAY	SEMI D./TERRACED W. BASSETT     99 02/10/06	WILTSHIRE      Survey Type: MANUAL
25	WO-03-A-03 BLAKEBROOK BLAKEBROOK KIDDERMINSTER Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: Survey date: FRIDAY	DETACHED     138 05/05/06	WORCESTERSHIRE      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  
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	25	124	0.081	25	124	0.295	25	124	0.376
08:00 - 09:00	25	124	0.150	25	124	0.417	25	124	0.567
09:00 - 10:00	25	124	0.160	25	124	0.222	25	124	0.382
10:00 - 11:00	25	124	0.146	25	124	0.176	25	124	0.322
11:00 - 12:00	25	124	0.170	25	124	0.176	25	124	0.346
12:00 - 13:00	25	124	0.197	25	124	0.182	25	124	0.379
13:00 - 14:00	25	124	0.190	25	124	0.184	25	124	0.374
14:00 - 15:00	25	124	0.189	25	124	0.187	25	124	0.376
15:00 - 16:00	25	124	0.291	25	124	0.196	25	124	0.487
16:00 - 17:00	25	124	0.332	25	124	0.200	25	124	0.532
17:00 - 18:00	25	124	0.396	25	124	0.232	25	124	0.628
18:00 - 19:00	25	124	0.267	25	124	0.212	25	124	0.479
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		2.569			2.679			5.248	

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: 54 - 237 (units: )  
 Survey date range: 01/01/06 - 23/01/14  
 Number of weekdays (Monday-Friday): 25  
 Number of Saturdays: 0  
 Number of Sundays: 0  
 Surveys manually removed from selection: 1

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  
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									
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	25	124	0.003	25	124	0.003	25	124	0.006
08:00 - 09:00	25	124	0.003	25	124	0.003	25	124	0.006
09:00 - 10:00	25	124	0.003	25	124	0.003	25	124	0.006
10:00 - 11:00	25	124	0.002	25	124	0.002	25	124	0.004
11:00 - 12:00	25	124	0.002	25	124	0.001	25	124	0.003
12:00 - 13:00	25	124	0.004	25	124	0.004	25	124	0.008
13:00 - 14:00	25	124	0.003	25	124	0.004	25	124	0.007
14:00 - 15:00	25	124	0.001	25	124	0.002	25	124	0.003
15:00 - 16:00	25	124	0.002	25	124	0.001	25	124	0.003
16:00 - 17:00	25	124	0.001	25	124	0.001	25	124	0.002
17:00 - 18:00	25	124	0.000	25	124	0.001	25	124	0.001
18:00 - 19:00	25	124	0.000	25	124	0.000	25	124	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.024			0.025			0.049

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: 54 - 237 (units: )  
 Survey date range: 01/01/06 - 23/01/14  
 Number of weekdays (Monday-Friday): 25  
 Number of Saturdays: 0  
 Number of Sundays: 0  
 Surveys manually removed from selection: 1

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 Output**

Houses privately owned (rural)

## TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

03	SOUTH WEST	
	CW CORNWALL	1 days
04	EAST ANGLIA	
	SF SUFFOLK	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	3 days
09	NORTH	
	CB CUMBRIA	1 days
11	SCOTLAND	
	HI HIGHLAND	1 days
	SR STIRLING	1 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  
 Actual Range: 52 to 115 (units: )  
 Range Selected by User: 50 to 350 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 23/01/14

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	2 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	9 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)	4
Edge of Town	5

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	6
Out of Town	1
No Sub Category	2

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

Filtering Stage 3 selection:

Use Class:

C3

9 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

1 days

5,001 to 10,000

4 days

10,001 to 15,000

4 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

2 days

25,001 to 50,000

5 days

50,001 to 75,000

2 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

4 days

1.1 to 1.5

5 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

9 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.



LIST OF SITES relevant to selection parameters

1	CB-03-A-04	SEMI DETACHED		CUMBRIA
	MOORCLOSE ROAD			
	SALTERBACK			
	WORKINGTON			
	Edge of Town			
	No Sub Category			
	Total Number of dwellings:	82		
	Survey date: FRIDAY	24/04/09		Survey Type: MANUAL
2	CW-03-A-02	SEMI D./DETACHED		CORNWALL
	BOSVEAN GARDENS			
	TRURO			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	73		
	Survey date: TUESDAY	18/09/07		Survey Type: MANUAL
3	HI-03-A-11	BUNGALOWS		HIGHLAND
	STEVENSON ROAD			
	INSHES			
	INVERNESS			
	Edge of Town			
	Residential Zone			
	Total Number of dwellings:	85		
	Survey date: MONDAY	05/06/06		Survey Type: MANUAL
4	NY-03-A-01	MIXED HOUSES		NORTH YORKSHIRE
	GRAMMAR SCHOOL LANE			
	NORTHALLERTON			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	52		
	Survey date: TUESDAY	25/09/07		Survey Type: MANUAL
5	NY-03-A-05	HOUSES AND FLATS		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
6	NY-03-A-06	BUNGALOWS & SEMI DET.		NORTH YORKSHIRE
	HORSEFAIR			
	BOROUGHBRIDGE			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	115		
	Survey date: FRIDAY	14/10/11		Survey Type: MANUAL
7	SF-03-A-03	MIXED HOUSES		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

LIST OF SITES relevant to selection parameters (Cont.)

8	SH-03-A-05 SANDCROFT SUTTON HILL TELFORD Edge of Town Residential Zone Total Number of dwellings: Survey date: THURSDAY	SEMI -DETACHED/TERRACED      54 24/10/13	SHROPSHIRE       Survey Type: MANUAL
9	SR-03-A-01 BENVIEW  STIRLING Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: Survey date: MONDAY	DETACHED     115 23/04/07	STIRLING      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  
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	9	83	0.074	9	83	0.262	9	83	0.336
08:00 - 09:00	9	83	0.131	9	83	0.444	9	83	0.575
09:00 - 10:00	9	83	0.176	9	83	0.229	9	83	0.405
10:00 - 11:00	9	83	0.148	9	83	0.175	9	83	0.323
11:00 - 12:00	9	83	0.172	9	83	0.172	9	83	0.344
12:00 - 13:00	9	83	0.190	9	83	0.180	9	83	0.370
13:00 - 14:00	9	83	0.206	9	83	0.186	9	83	0.392
14:00 - 15:00	9	83	0.193	9	83	0.211	9	83	0.404
15:00 - 16:00	9	83	0.267	9	83	0.184	9	83	0.451
16:00 - 17:00	9	83	0.356	9	83	0.190	9	83	0.546
17:00 - 18:00	9	83	0.398	9	83	0.206	9	83	0.604
18:00 - 19:00	9	83	0.259	9	83	0.206	9	83	0.465
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		2.570			2.645			5.215	

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: 52 - 115 (units: )  
 Survey date range: 01/01/06 - 23/01/14  
 Number of weekdays (Monday-Friday): 9  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED  
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									
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	9	83	0.000	9	83	0.001	9	83	0.001
08:00 - 09:00	9	83	0.001	9	83	0.000	9	83	0.001
09:00 - 10:00	9	83	0.000	9	83	0.001	9	83	0.001
10:00 - 11:00	9	83	0.008	9	83	0.005	9	83	0.013
11:00 - 12:00	9	83	0.000	9	83	0.001	9	83	0.001
12:00 - 13:00	9	83	0.003	9	83	0.003	9	83	0.006
13:00 - 14:00	9	83	0.000	9	83	0.001	9	83	0.001
14:00 - 15:00	9	83	0.001	9	83	0.003	9	83	0.004
15:00 - 16:00	9	83	0.000	9	83	0.000	9	83	0.000
16:00 - 17:00	9	83	0.004	9	83	0.000	9	83	0.004
17:00 - 18:00	9	83	0.000	9	83	0.001	9	83	0.001
18:00 - 19:00	9	83	0.000	9	83	0.000	9	83	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.017			0.016			0.033

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: 52 - 115 (units: )  
 Survey date range: 01/01/06 - 23/01/14  
 Number of weekdays (Monday-Friday): 9  
 Number of Saturdays: 0  
 Number of Sundays: 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.

## **TRICS Output**

Industrial estate (B2)

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT  
 Category : D - INDUSTRIAL ESTATE  
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES	EAST SUSSEX 1 days
	KC	KENT 1 days
03	SOUTH WEST	
	CW	CORNWALL 1 days
	WL	WILTSHIRE 1 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: Gross floor area  
 Actual Range: 6515 to 10715 (units: sqm)  
 Range Selected by User: 5000 to 20000 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 22/10/13

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	1 days
Tuesday	1 days
Wednesday	1 days
Friday	1 days

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

Selected survey types:

Manual count	4 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	4
--------------	---

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:

Industrial Zone	2
Residential Zone	2

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:

B2

3 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

1 days

5,001 to 10,000

1 days

25,001 to 50,000

2 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

1 days

50,001 to 75,000

2 days

125,001 to 250,000

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

4 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

4 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.

LIST OF SITES relevant to selection parameters

1	CW-02-D-02 DRUIDS ROAD	INDUSTRIAL ESTATE	CORNWALL
	CAMBORNE Edge of Town Industrial Zone		
	Total Gross floor area:	6515 sqm	
	Survey date: FRIDAY	21/09/07	Survey Type: MANUAL
2	ES-02-D-06 COURTLANDS ROAD	INDUSTRIAL ESTATE	EAST SUSSEX
	EASTBOURNE Edge of Town Residential Zone		
	Total Gross floor area:	7525 sqm	
	Survey date: MONDAY	21/10/13	Survey Type: MANUAL
3	KC-02-D-02 SOUTHWELL ROAD	INDUSTRIAL ESTATE	KENT
	DEAL Edge of Town Residential Zone		
	Total Gross floor area:	10715 sqm	
	Survey date: WEDNESDAY	28/11/12	Survey Type: MANUAL
4	WL-02-D-01 MARLBOROUGH ROAD	IND. ESTATE	WILTSHIRE
	WOOTTON BASSETT Edge of Town Industrial Zone		
	Total Gross floor area:	7050 sqm	
	Survey date: TUESDAY	03/10/06	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 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	4	7951	0.421	4	7951	0.173	4	7951	0.594
08:00 - 09:00	4	7951	0.711	4	7951	0.248	4	7951	0.959
09:00 - 10:00	4	7951	0.424	4	7951	0.311	4	7951	0.735
10:00 - 11:00	4	7951	0.371	4	7951	0.362	4	7951	0.733
11:00 - 12:00	4	7951	0.406	4	7951	0.390	4	7951	0.796
12:00 - 13:00	4	7951	0.412	4	7951	0.503	4	7951	0.915
13:00 - 14:00	4	7951	0.399	4	7951	0.450	4	7951	0.849
14:00 - 15:00	4	7951	0.402	4	7951	0.371	4	7951	0.773
15:00 - 16:00	4	7951	0.343	4	7951	0.409	4	7951	0.752
16:00 - 17:00	4	7951	0.371	4	7951	0.560	4	7951	0.931
17:00 - 18:00	4	7951	0.141	4	7951	0.673	4	7951	0.814
18:00 - 19:00	4	7951	0.057	4	7951	0.195	4	7951	0.252
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		4.458			4.645			9.103	

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: 6515 - 10715 (units: sqm)  
 Survey date range: 01/01/06 - 22/10/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	4	7951	0.016	4	7951	0.022	4	7951	0.038
08:00 - 09:00	4	7951	0.019	4	7951	0.009	4	7951	0.028
09:00 - 10:00	4	7951	0.028	4	7951	0.028	4	7951	0.056
10:00 - 11:00	4	7951	0.031	4	7951	0.038	4	7951	0.069
11:00 - 12:00	4	7951	0.025	4	7951	0.022	4	7951	0.047
12:00 - 13:00	4	7951	0.031	4	7951	0.038	4	7951	0.069
13:00 - 14:00	4	7951	0.022	4	7951	0.019	4	7951	0.041
14:00 - 15:00	4	7951	0.031	4	7951	0.013	4	7951	0.044
15:00 - 16:00	4	7951	0.038	4	7951	0.047	4	7951	0.085
16:00 - 17:00	4	7951	0.019	4	7951	0.019	4	7951	0.038
17:00 - 18:00	4	7951	0.000	4	7951	0.006	4	7951	0.006
18:00 - 19:00	4	7951	0.003	4	7951	0.000	4	7951	0.003
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.263			0.261			0.524

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:  $\text{COUNT} / \text{TRP} * \text{FACT}$ . Trip rates are then rounded to 3 decimal places.

#### Parameter summary

Trip rate parameter range selected:	6515 - 10715 (units: sqm)
Survey date range:	01/01/06 - 22/10/13
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	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.

## **TRICS Output**

Industrial estate (B2/B8)

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT  
 Category : D - INDUSTRIAL ESTATE  
 VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	CW CORNWALL	1 days
05	EAST MIDLANDS	
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	WM WEST MIDLANDS	1 days
08	NORTH WEST	
	CH CHESHIRE	1 days
09	NORTH	
	CB CUMBRIA	1 days
11	SCOTLAND	
	AG ANGUS	1 days
	FA FALKIRK	1 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: Gross floor area  
 Actual Range: 17708 to 64889 (units: sqm)  
 Range Selected by User: 15000 to 234115 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 20/09/13

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	1 days
Wednesday	2 days
Thursday	1 days
Friday	3 days

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

Selected survey types:

Manual count	7 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
Edge of Town	5
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:

Industrial Zone	1
Residential Zone	3
Village	1
No Sub Category	2

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:

B2	6 days
B8	1 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:

1,000 or Less	2 days
1,001 to 5,000	1 days
10,001 to 15,000	2 days
15,001 to 20,000	2 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	2 days
50,001 to 75,000	1 days
75,001 to 100,000	1 days
125,001 to 250,000	2 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	4 days
1.1 to 1.5	3 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	7 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	AG-02-D-01 WESTWAY	INDUSTRIAL EST.	ANGUS
	ARBROATH Edge of Town Residential Zone Total Gross floor area: 64889 sqm Survey date: FRIDAY 25/05/12		Survey Type: MANUAL CUMBRIA
2	CB-02-D-04 CARLISLE ROAD	INDUSTRIAL ESTATE	
	BRAMPTON Edge of Town No Sub Category Total Gross floor area: 17708 sqm Survey date: WEDNESDAY 16/12/09		Survey Type: MANUAL CHESHIRE
3	CH-02-D-02 MANCHESTER ROAD WINCHAM NORTHWICH Edge of Town Industrial Zone Total Gross floor area: 22000 sqm Survey date: FRIDAY 15/06/07	INDUSTRIAL EST.	Survey Type: MANUAL CORNWALL
4	CW-02-D-03 LONG ROCK ROAD LONG ROCK NEAR PENZANCE Neighbourhood Centre (PPS6 Local Centre) Village Total Gross floor area: 36500 sqm Survey date: MONDAY 03/10/11	IND. ESTATE	Survey Type: MANUAL FALKIRK
5	FA-02-D-02 MAIN STREET GRAHAMSTON FALKIRK Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 21250 sqm Survey date: THURSDAY 30/05/13	INDUSTRIAL ESTATE	Survey Type: MANUAL NOTTINGHAMSHIRE
6	NT-02-D-01 B6028 STONEYFORD ROAD STANTON HILL SUTTON-IN-ASHFIELD Edge of Town No Sub Category Total Gross floor area: 26400 sqm Survey date: FRIDAY 30/06/06	INDUSTRIAL ESTATE	Survey Type: MANUAL WEST MIDLANDS
7	WM-02-D-02 DUNLOP WAY	INDUSTRIAL ESTATE	
	BIRMINGHAM Edge of Town Residential Zone Total Gross floor area: 23480 sqm Survey date: WEDNESDAY 07/11/12		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 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	7	30318	0.373	7	30318	0.111	7	30318	0.484
08:00 - 09:00	7	30318	0.399	7	30318	0.210	7	30318	0.609
09:00 - 10:00	7	30318	0.264	7	30318	0.226	7	30318	0.490
10:00 - 11:00	7	30318	0.244	7	30318	0.240	7	30318	0.484
11:00 - 12:00	7	30318	0.263	7	30318	0.277	7	30318	0.540
12:00 - 13:00	7	30318	0.237	7	30318	0.266	7	30318	0.503
13:00 - 14:00	7	30318	0.246	7	30318	0.247	7	30318	0.493
14:00 - 15:00	7	30318	0.224	7	30318	0.239	7	30318	0.463
15:00 - 16:00	7	30318	0.219	7	30318	0.262	7	30318	0.481
16:00 - 17:00	7	30318	0.193	7	30318	0.360	7	30318	0.553
17:00 - 18:00	7	30318	0.096	7	30318	0.315	7	30318	0.411
18:00 - 19:00	7	30318	0.064	7	30318	0.122	7	30318	0.186
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.822			2.875			5.697

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: 17708 - 64889 (units: sqm)  
 Survey date range: 01/01/06 - 20/09/13  
 Number of weekdays (Monday-Friday): 7  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	7	30318	0.014	7	30318	0.029	7	30318	0.043
08:00 - 09:00	7	30318	0.023	7	30318	0.022	7	30318	0.045
09:00 - 10:00	7	30318	0.021	7	30318	0.026	7	30318	0.047
10:00 - 11:00	7	30318	0.020	7	30318	0.026	7	30318	0.046
11:00 - 12:00	7	30318	0.027	7	30318	0.021	7	30318	0.048
12:00 - 13:00	7	30318	0.018	7	30318	0.019	7	30318	0.037
13:00 - 14:00	7	30318	0.024	7	30318	0.020	7	30318	0.044
14:00 - 15:00	7	30318	0.016	7	30318	0.020	7	30318	0.036
15:00 - 16:00	7	30318	0.026	7	30318	0.024	7	30318	0.050
16:00 - 17:00	7	30318	0.026	7	30318	0.012	7	30318	0.038
17:00 - 18:00	7	30318	0.014	7	30318	0.007	7	30318	0.021
18:00 - 19:00	7	30318	0.002	7	30318	0.002	7	30318	0.004
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.231			0.228			0.459

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:  $\text{COUNT}/\text{TRP} \times \text{FACT}$ . Trip rates are then rounded to 3 decimal places.

#### Parameter summary

Trip rate parameter range selected: 17708 - 64889 (units: sqm)  
 Survey date range: 01/01/06 - 20/09/13  
 Number of weekdays (Monday-Friday): 7  
 Number of Saturdays: 0  
 Number of Sundays: 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.



## **TRICS Output**

Leisure centre

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 07 - LEISURE  
 Category : C - LEISURE CENTRE  
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	HC HAMPSHIRE	1 days
	WS WEST SUSSEX	1 days
09	NORTH	
	DH DURHAM	1 days
11	SCOTLAND	
	AG ANGUS	1 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: Gross floor area  
 Actual Range: 4738 to 17000 (units: sqm)  
 Range Selected by User: 4000 to 17000 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 24/09/13

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	1 days
Wednesday	2 days
Thursday	1 days

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

Selected survey types:

Manual count	4 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)	2
Edge of Town	2

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:

Development Zone	1
Residential Zone	1
No Sub Category	2

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:

D2

4 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:

5,001 to 10,000

2 days

10,001 to 15,000

1 days

15,001 to 20,000

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

1 days

75,001 to 100,000

1 days

125,001 to 250,000

2 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

1 days

1.1 to 1.5

3 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

4 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.

LIST OF SITES relevant to selection parameters

1	AG-07-C-01	LEISURE CENTRE	ANGUS
	A92 MONTROSE ROAD		
	WARD DYKES		
	ARBROATH		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Gross floor area:	4738 sqm	
	Survey date: WEDNESDAY	23/05/12	Survey Type: MANUAL
2	DH-07-C-01	LEISURE CENTRE	DURHAM
	ABBEY ROAD		
	PITY ME		
	DURHAM		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	5500 sqm	
	Survey date: THURSDAY	04/12/08	Survey Type: MANUAL
3	HC-07-C-09	SWIMMING POOL	HAMPSHIRE
	WORTING ROAD		
	BASINGSTOKE LEISURE PK		
	BASINGSTOKE		
	Suburban Area (PPS6 Out of Centre)		
	Development Zone		
	Total Gross floor area:	5250 sqm	
	Survey date: MONDAY	18/10/10	Survey Type: MANUAL
4	WS-07-C-04	LEISURE CENTRE	WEST SUSSEX
	PEASE POTTS HILL		
	TILGATE		
	CRAWLEY		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	17000 sqm	
	Survey date: WEDNESDAY	28/11/07	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 07 - LEISURE/C - LEISURE CENTRE  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	2	11125	0.243	2	11125	0.036	2	11125	0.279
07:00 - 08:00	4	8122	0.366	4	8122	0.234	4	8122	0.600
08:00 - 09:00	4	8122	0.468	4	8122	0.379	4	8122	0.847
09:00 - 10:00	4	8122	0.779	4	8122	0.354	4	8122	1.133
10:00 - 11:00	4	8122	0.662	4	8122	0.477	4	8122	1.139
11:00 - 12:00	4	8122	0.468	4	8122	0.668	4	8122	1.136
12:00 - 13:00	4	8122	0.533	4	8122	0.539	4	8122	1.072
13:00 - 14:00	4	8122	0.523	4	8122	0.566	4	8122	1.089
14:00 - 15:00	4	8122	0.468	4	8122	0.582	4	8122	1.050
15:00 - 16:00	4	8122	0.800	4	8122	0.533	4	8122	1.333
16:00 - 17:00	4	8122	1.016	4	8122	0.850	4	8122	1.866
17:00 - 18:00	4	8122	1.376	4	8122	1.016	4	8122	2.392
18:00 - 19:00	4	8122	1.545	4	8122	1.280	4	8122	2.825
19:00 - 20:00	4	8122	1.247	4	8122	1.299	4	8122	2.546
20:00 - 21:00	4	8122	0.609	4	8122	1.222	4	8122	1.831
21:00 - 22:00	4	8122	0.160	4	8122	0.936	4	8122	1.096
22:00 - 23:00	1	4738	0.000	1	4738	0.317	1	4738	0.317
23:00 - 24:00	1	4738	0.000	1	4738	0.000	1	4738	0.000
Total Rates:			11.263			11.288			22.551

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: 4738 - 17000 (units: sqm)  
 Survey date range: 01/01/06 - 24/09/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 07 - LEISURE/C - LEISURE CENTRE  
OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	2	11125	0.004	2	11125	0.004	2	11125	0.008
07:00 - 08:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
08:00 - 09:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
09:00 - 10:00	4	8122	0.003	4	8122	0.003	4	8122	0.006
10:00 - 11:00	4	8122	0.006	4	8122	0.006	4	8122	0.012
11:00 - 12:00	4	8122	0.006	4	8122	0.006	4	8122	0.012
12:00 - 13:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
13:00 - 14:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
14:00 - 15:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
15:00 - 16:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
16:00 - 17:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
17:00 - 18:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
18:00 - 19:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
19:00 - 20:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
20:00 - 21:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
21:00 - 22:00	4	8122	0.000	4	8122	0.000	4	8122	0.000
22:00 - 23:00	1	4738	0.000	1	4738	0.000	1	4738	0.000
23:00 - 24:00	1	4738	0.000	1	4738	0.000	1	4738	0.000
Total Rates:			0.019			0.019			0.038

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:  $\text{COUNT/TRP} \times \text{FACT}$ . Trip rates are then rounded to 3 decimal places.

#### Parameter summary

Trip rate parameter range selected: 4738 - 17000 (units: sqm)  
 Survey date range: 01/01/06 - 24/09/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.

## **TRICS Output**

Petrol filling stations

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 13 - PETROL FILLING STATIONS  
 Category : A - PETROL FILLING STATIONS  
 VEHICLES

Selected regions and areas:

04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
05	EAST MIDLANDS	
	NR NORTHAMPTONSHIRE	1 days
09	NORTH	
	TV TEES VALLEY	1 days
10	WALES	
	CP CAERPHILLY	1 days
11	SCOTLAND	
	FA FALKIRK	1 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: Filling bays  
 Actual Range: 4 to 12 (units: )  
 Range Selected by User: 4 to 16 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 26/10/13

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	2 days
Tuesday	1 days
Wednesday	1 days
Friday	1 days

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

Selected survey types:

Manual count	5 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)	3
Free Standing (PPS6 Out of Town)	2

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:

Industrial Zone	1
Residential Zone	2
Out of Town	2

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:

Sui Generis 4 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	1 days
5,001 to 10,000	1 days
10,001 to 15,000	1 days
20,001 to 25,000	2 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
100,001 to 125,000	1 days
125,001 to 250,000	3 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	3 days
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.

Travel Plan:

No 5 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.

LIST OF SITES relevant to selection parameters

1	CA-13-A-04 BP CHERRY HINTON ROAD CAMBRIDGE CAMBRIDGE Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: Survey date: WEDNESDAY	8 19/10/11	CAMBRIDGESHIRE        Survey Type: MANUAL
2	CP-13-A-01 TEXACO NANTGARW ROAD  CAERPHILLY Suburban Area (PPS6 Out of Centre) Industrial Zone Total Filling bays: Survey date: TUESDAY	8 17/07/12	CAERPHILLY        Survey Type: MANUAL
3	FA-13-A-02 MURCO A801 MADDISTON FALKIRK Free Standing (PPS6 Out of Town) Out of Town Total Filling bays: Survey date: MONDAY	12 03/06/13	FALKIRK        Survey Type: MANUAL
4	NR-13-A-01 TOTAL PARK VIEW MOULTON NEAR NORTHAMPTON Free Standing (PPS6 Out of Town) Out of Town Total Filling bays: Survey date: FRIDAY	8 18/05/07	NORTHAMPTONSHIRE        Survey Type: MANUAL
5	TV-13-A-01 BP NORTON ROAD STOCKTON-ON-TEES STOCKTON-ON-TEES Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: Survey date: MONDAY	4 24/09/07	TEES VALLEY        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 13 - PETROL FILLING STATIONS/A - PETROL FILLING STATIONS  
VEHICLES

Calculation factor: 1 BAYS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. BAYS	Trip Rate	No. Days	Ave. BAYS	Trip Rate	No. Days	Ave. BAYS	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	2	10	4.850	2	10	4.750	2	10	9.600
07:00 - 08:00	5	8	6.250	5	8	5.950	5	8	12.200
08:00 - 09:00	5	8	6.150	5	8	6.500	5	8	12.650
09:00 - 10:00	5	8	6.950	5	8	6.400	5	8	13.350
10:00 - 11:00	5	8	5.075	5	8	5.275	5	8	10.350
11:00 - 12:00	5	8	5.400	5	8	5.150	5	8	10.550
12:00 - 13:00	5	8	5.925	5	8	6.100	5	8	12.025
13:00 - 14:00	5	8	5.125	5	8	4.975	5	8	10.100
14:00 - 15:00	5	8	6.200	5	8	6.425	5	8	12.625
15:00 - 16:00	5	8	6.150	5	8	6.100	5	8	12.250
16:00 - 17:00	5	8	7.100	5	8	7.350	5	8	14.450
17:00 - 18:00	5	8	6.900	5	8	6.850	5	8	13.750
18:00 - 19:00	5	8	6.350	5	8	6.275	5	8	12.625
19:00 - 20:00	5	8	4.925	5	8	5.150	5	8	10.075
20:00 - 21:00	3	9	2.179	3	9	2.464	3	9	4.643
21:00 - 22:00	3	9	2.179	3	9	2.036	3	9	4.215
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		87.708			87.750			175.458	

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: 4 - 12 (units: )  
 Survey date range: 01/01/06 - 26/10/13  
 Number of weekdays (Monday-Friday): 5  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 13 - PETROL FILLING STATIONS/A - PETROL FILLING STATIONS  
OGVS

Calculation factor: 1 BAYS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. BAYS	Trip Rate	No. Days	Ave. BAYS	Trip Rate	No. Days	Ave. BAYS	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	2	10	0.500	2	10	0.350	2	10	0.850
07:00 - 08:00	5	8	0.350	5	8	0.375	5	8	0.725
08:00 - 09:00	5	8	0.225	5	8	0.275	5	8	0.500
09:00 - 10:00	5	8	0.275	5	8	0.275	5	8	0.550
10:00 - 11:00	5	8	0.125	5	8	0.150	5	8	0.275
11:00 - 12:00	5	8	0.225	5	8	0.225	5	8	0.450
12:00 - 13:00	5	8	0.075	5	8	0.075	5	8	0.150
13:00 - 14:00	5	8	0.275	5	8	0.275	5	8	0.550
14:00 - 15:00	5	8	0.175	5	8	0.175	5	8	0.350
15:00 - 16:00	5	8	0.075	5	8	0.075	5	8	0.150
16:00 - 17:00	5	8	0.100	5	8	0.100	5	8	0.200
17:00 - 18:00	5	8	0.100	5	8	0.075	5	8	0.175
18:00 - 19:00	5	8	0.125	5	8	0.150	5	8	0.275
19:00 - 20:00	5	8	0.075	5	8	0.050	5	8	0.125
20:00 - 21:00	3	9	0.071	3	9	0.071	3	9	0.142
21:00 - 22:00	3	9	0.000	3	9	0.000	3	9	0.000
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.771			2.696			5.467

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: 4 - 12 (units: )  
 Survey date range: 01/01/06 - 26/10/13  
 Number of weekdays (Monday-Friday): 5  
 Number of Saturdays: 0  
 Number of Sundays: 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.

## **TRICS Output**

Pub/restaurant

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 06 - HOTEL, FOOD &amp; DRINK

Category : C - PUB/RESTAURANT

## VEHICLES

Selected regions and areas:

05	EAST MIDLANDS	
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
	ST STAFFORDSHIRE	1 days
09	NORTH	
	TV TEES VALLEY	1 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: Gross floor area  
 Actual Range: 720 to 1400 (units: sqm)  
 Range Selected by User: 500 to 1500 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 23/10/13

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:

Wednesday	1 days
Friday	3 days

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

Selected survey types:

Manual count	4 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)	2
Edge of Town	2

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	2
No Sub Category	2

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:

A3	1 days
A4	3 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:

5,001 to 10,000	2 days
25,001 to 50,000	2 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
75,001 to 100,000	1 days
250,001 to 500,000	2 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	2 days
1.1 to 1.5	1 days
2.1 to 2.5	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:

No	4 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.

LIST OF SITES relevant to selection parameters

1	NT-06-C-02	PUB/RESTAURANT	NOTTINGHAMSHIRE
	MANSFIELD ROAD		
	DAYBROOK		
	NOTTINGHAM		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Gross floor area:	1185 sqm	
	Survey date: FRIDAY	18/05/07	Survey Type: MANUAL
2	SH-06-C-02	HUNGRY HORSE	SHROPSHIRE
	WELSHPOOL ROAD		
	SHELTON		
	SHREWSBURY		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	1400 sqm	
	Survey date: FRIDAY	26/06/09	Survey Type: MANUAL
3	ST-06-C-01	HARVESTER	STAFFORDSHIRE
	STONE ROAD		
	TRENTAM		
	STOKE-ON-TRENT		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	720 sqm	
	Survey date: WEDNESDAY	23/10/13	Survey Type: MANUAL
4	TV-06-C-01	PUB/RES.	TEES VALLEY
	MARTON ROAD		
	MIDDLESBROUGH		
	Suburban Area (PPS6 Out of Centre)		
	No Sub Category		
	Total Gross floor area:	1200 sqm	
	Survey date: FRIDAY	21/09/07	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 06 - HOTEL, FOOD & DRINK/C - PUB/RESTAURANT  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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									
09:00 - 10:00									
10:00 - 11:00	4	1126	0.200	4	1126	0.089	4	1126	0.289
11:00 - 12:00	4	1126	0.910	4	1126	0.466	4	1126	1.376
12:00 - 13:00	4	1126	2.020	4	1126	0.910	4	1126	2.930
13:00 - 14:00	4	1126	1.887	4	1126	1.421	4	1126	3.308
14:00 - 15:00	4	1126	0.999	4	1126	2.242	4	1126	3.241
15:00 - 16:00	4	1126	0.821	4	1126	0.844	4	1126	1.665
16:00 - 17:00	4	1126	1.398	4	1126	1.021	4	1126	2.419
17:00 - 18:00	4	1126	2.042	4	1126	1.509	4	1126	3.551
18:00 - 19:00	4	1126	2.109	4	1126	1.820	4	1126	3.929
19:00 - 20:00	4	1126	2.175	4	1126	2.153	4	1126	4.328
20:00 - 21:00	4	1126	1.643	4	1126	1.776	4	1126	3.419
21:00 - 22:00	4	1126	1.065	4	1126	1.620	4	1126	2.685
22:00 - 23:00	4	1126	0.511	4	1126	1.421	4	1126	1.932
23:00 - 24:00	4	1126	0.155	4	1126	0.821	4	1126	0.976
Total Rates:			17.935			18.113			36.048

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: 720 - 1400 (units: sqm)  
 Survey date range: 01/01/06 - 23/10/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/C - PUB/RESTAURANT  
OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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									
09:00 - 10:00									
10:00 - 11:00	4	1126	0.022	4	1126	0.022	4	1126	0.044
11:00 - 12:00	4	1126	0.089	4	1126	0.067	4	1126	0.156
12:00 - 13:00	4	1126	0.000	4	1126	0.000	4	1126	0.000
13:00 - 14:00	4	1126	0.000	4	1126	0.000	4	1126	0.000
14:00 - 15:00	4	1126	0.000	4	1126	0.022	4	1126	0.022
15:00 - 16:00	4	1126	0.000	4	1126	0.000	4	1126	0.000
16:00 - 17:00	4	1126	0.022	4	1126	0.022	4	1126	0.044
17:00 - 18:00	4	1126	0.000	4	1126	0.000	4	1126	0.000
18:00 - 19:00	4	1126	0.022	4	1126	0.022	4	1126	0.044
19:00 - 20:00	4	1126	0.000	4	1126	0.000	4	1126	0.000
20:00 - 21:00	4	1126	0.000	4	1126	0.000	4	1126	0.000
21:00 - 22:00	4	1126	0.000	4	1126	0.000	4	1126	0.000
22:00 - 23:00	4	1126	0.000	4	1126	0.000	4	1126	0.000
23:00 - 24:00	4	1126	0.000	4	1126	0.000	4	1126	0.000
Total Rates:			0.155			0.155			0.310

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:  $\text{COUNT}/\text{TRP} \times \text{FACT}$ . Trip rates are then rounded to 3 decimal places.

#### Parameter summary

Trip rate parameter range selected: 720 - 1400 (units: sqm)  
 Survey date range: 01/01/06 - 23/10/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.

## **TRICS Output**

Restaurants

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 06 - HOTEL, FOOD &amp; DRINK

Category : B - RESTAURANTS

## VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	DC DORSET	1 days
09	NORTH	
	DH DURHAM	1 days
10	WALES	
	CF CARDIFF	1 days
11	SCOTLAND	
	FA FALKIRK	1 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: Gross floor area  
 Actual Range: 178 to 650 (units: sqm)  
 Range Selected by User: 150 to 2400 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 24/10/13

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:

Thursday	1 days
Friday	3 days

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

Selected survey types:

Manual count	4 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:

Town Centre	2
Edge of Town Centre	2

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:

Development Zone	1
Retail Zone	1
No Sub Category	2

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:

A3

4 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

1 days

10,001 to 15,000

1 days

15,001 to 20,000

1 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:

75,001 to 100,000

1 days

100,001 to 125,000

1 days

125,001 to 250,000

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:

0.6 to 1.0

2 days

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.

Travel Plan:

No

4 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.

LIST OF SITES relevant to selection parameters

1	CF-06-B-01 CAROLINE STREET	LA TASCA	CARDIFF
	CARDIFF Town Centre Retail Zone Total Gross floor area:	650 sqm	
	Survey date: FRIDAY	12/10/07	Survey Type: MANUAL
2	DC-06-B-01 HIGH STREET	PIZZA EXPRESS	DORSET
	POOLE Town Centre No Sub Category Total Gross floor area:	178 sqm	
	Survey date: FRIDAY	18/07/08	Survey Type: MANUAL
3	DH-06-B-01 FREEMANS PLACE MILLENNIUM PLACE DURHAM	CHIQUITO	DURHAM
	Edge of Town Centre Development Zone Total Gross floor area:	500 sqm	
	Survey date: THURSDAY	04/12/08	Survey Type: MANUAL
4	FA-06-B-01 STIRLING ROAD	FRANKIE & BENNY'S	FALKIRK
	FALKIRK Edge of Town Centre No Sub Category Total Gross floor area:	425 sqm	
	Survey date: FRIDAY	27/04/07	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 06 - HOTEL, FOOD & DRINK/B - RESTAURANTS  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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									
09:00 - 10:00									
10:00 - 11:00	3	418	0.479	3	418	0.239	3	418	0.718
11:00 - 12:00	3	418	0.878	3	418	0.399	3	418	1.277
12:00 - 13:00	4	438	2.054	4	438	0.285	4	438	2.339
13:00 - 14:00	4	438	2.852	4	438	2.339	4	438	5.191
14:00 - 15:00	4	438	2.966	4	438	3.423	4	438	6.389
15:00 - 16:00	4	438	3.252	4	438	3.366	4	438	6.618
16:00 - 17:00	4	438	3.195	4	438	2.852	4	438	6.047
17:00 - 18:00	4	438	3.993	4	438	3.309	4	438	7.302
18:00 - 19:00	4	438	4.107	4	438	3.137	4	438	7.244
19:00 - 20:00	4	438	5.876	4	438	5.590	4	438	11.466
20:00 - 21:00	4	438	5.191	4	438	5.419	4	438	10.610
21:00 - 22:00	4	438	3.195	4	438	4.621	4	438	7.816
22:00 - 23:00	4	438	1.940	4	438	4.221	4	438	6.161
23:00 - 24:00	4	438	0.399	4	438	1.084	4	438	1.483
Total Rates:			40.377			40.284			80.661

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: 178 - 650 (units: sqm)  
 Survey date range: 01/01/06 - 24/10/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/B - RESTAURANTS  
OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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									
09:00 - 10:00									
10:00 - 11:00	3	418	0.160	3	418	0.160	3	418	0.320
11:00 - 12:00	3	418	0.000	3	418	0.000	3	418	0.000
12:00 - 13:00	4	438	0.000	4	438	0.000	4	438	0.000
13:00 - 14:00	4	438	0.000	4	438	0.000	4	438	0.000
14:00 - 15:00	4	438	0.000	4	438	0.000	4	438	0.000
15:00 - 16:00	4	438	0.000	4	438	0.000	4	438	0.000
16:00 - 17:00	4	438	0.000	4	438	0.000	4	438	0.000
17:00 - 18:00	4	438	0.000	4	438	0.000	4	438	0.000
18:00 - 19:00	4	438	0.000	4	438	0.000	4	438	0.000
19:00 - 20:00	4	438	0.000	4	438	0.000	4	438	0.000
20:00 - 21:00	4	438	0.000	4	438	0.000	4	438	0.000
21:00 - 22:00	4	438	0.000	4	438	0.000	4	438	0.000
22:00 - 23:00	4	438	0.000	4	438	0.000	4	438	0.000
23:00 - 24:00	4	438	0.000	4	438	0.000	4	438	0.000
Total Rates:			0.160			0.160			0.320

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: 178 - 650 (units: sqm)  
 Survey date date range: 01/01/06 - 24/10/13  
 Number of weekdays (Monday-Friday): 4  
 Number of Saturdays: 0  
 Number of Sundays: 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.



## **TRICS Output**

Retail park (excluding food)

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL  
 Category : K - RETAIL PARK - EXCLUDING FOOD  
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	SC SURREY	1 days
03	SOUTH WEST	
	CW CORNWALL	1 days
	GS GLOUCESTERSHIRE	1 days
05	EAST MIDLANDS	
	LN LINCOLNSHIRE	1 days
	NR NORTHAMPTONSHIRE	1 days
08	NORTH WEST	
	LC LANCASHIRE	1 days
10	WALES	
	CM CARMARTHENSHIRE	1 days
11	SCOTLAND	
	MO MORAY	1 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: Gross floor area  
 Actual Range: 3500 to 13129 (units: sqm)  
 Range Selected by User: 2057 to 35244 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 19/10/13

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:

Thursday 1 days  
 Saturday 7 days

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

Selected survey types:

Manual count 8 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 1  
 Suburban Area (PPS6 Out of Centre) 7

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:

Industrial Zone 3  
 Commercial Zone 1  
 Development Zone 1  
 Residential Zone 1  
 Retail Zone 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.

Filtering Stage 3 selection:

Use Class:

A1	8 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:

10,001 to 15,000	4 days
15,001 to 20,000	2 days
25,001 to 50,000	2 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	1 days
125,001 to 250,000	5 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	2 days
1.1 to 1.5	6 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	8 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	8 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.

LIST OF SITES relevant to selection parameters

1	CM-01-K-01 A40	CURRYS/PC WLD	CARMARTHENSHIRE
	CARMARTHEN Edge of Town Centre Industrial Zone Total Gross floor area:	3650 sqm	
	Survey date: SATURDAY	13/09/08	Survey Type: MANUAL
2	CW-01-K-01 TREVENSON ROAD	RETAIL PARK	CORNWALL
	CAMBORNE Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area:	11400 sqm	
	Survey date: SATURDAY	22/09/07	Survey Type: MANUAL
3	GS-01-K-01 EASTERN AVENUE BARNWOOD GLOUCESTER	RETAIL PARK	GLOUCESTERSHIRE
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area:	9325 sqm	
	Survey date: THURSDAY	29/04/10	Survey Type: MANUAL
4	LC-01-K-05 MARINER'S WAY	RETAIL PARK	LANCASHIRE
	PRESTON Suburban Area (PPS6 Out of Centre) Commercial Zone Total Gross floor area:	3500 sqm	
	Survey date: SATURDAY	08/10/11	Survey Type: MANUAL
5	LN-01-K-01 TRITTON ROAD	RETAIL PARK	LINCOLNSHIRE
	LINCOLN Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area:	13129 sqm	
	Survey date: SATURDAY	12/05/07	Survey Type: MANUAL
6	MO-01-K-01 EDGAR ROAD	RETAIL PARK	MORAY
	ELGIN Suburban Area (PPS6 Out of Centre) Retail Zone Total Gross floor area:	7430 sqm	
	Survey date: SATURDAY	13/05/06	Survey Type: MANUAL
7	NR-01-K-01 WEEDON ROAD SIXFIELDS NORTHAMPTON	RETAIL PARK	NORTHAMPTONSHIRE
	Suburban Area (PPS6 Out of Centre) Development Zone Total Gross floor area:	6675 sqm	
	Survey date: SATURDAY	29/11/08	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	SC-01-K-05	RETAIL PARK	SURREY
	ORIENTAL ROAD		
	MAYBURY		
	WOKING		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Gross floor area:	4300 sqm	
	Survey date: SATURDAY	05/07/08	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/K - RETAIL PARK - EXCLUDING FOOD  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	5	7826	0.148	5	7826	0.049	5	7826	0.197
08:00 - 09:00	8	7426	0.579	8	7426	0.212	8	7426	0.791
09:00 - 10:00	8	7426	1.469	8	7426	0.892	8	7426	2.361
10:00 - 11:00	8	7426	2.262	8	7426	1.862	8	7426	4.124
11:00 - 12:00	8	7426	2.954	8	7426	2.599	8	7426	5.553
12:00 - 13:00	8	7426	2.947	8	7426	2.973	8	7426	5.920
13:00 - 14:00	8	7426	2.902	8	7426	2.782	8	7426	5.684
14:00 - 15:00	8	7426	3.188	8	7426	3.153	8	7426	6.341
15:00 - 16:00	8	7426	2.991	8	7426	3.116	8	7426	6.107
16:00 - 17:00	8	7426	2.454	8	7426	2.942	8	7426	5.396
17:00 - 18:00	8	7426	1.426	8	7426	2.111	8	7426	3.537
18:00 - 19:00	8	7426	0.540	8	7426	1.039	8	7426	1.579
19:00 - 20:00	6	7105	0.258	6	7105	0.361	6	7105	0.619
20:00 - 21:00	1	9325	0.011	1	9325	0.064	1	9325	0.075
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		24.129			24.155			48.284	

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: 3500 - 13129 (units: sqm)  
 Survey date range: 01/01/06 - 19/10/13  
 Number of weekdays (Monday-Friday): 1  
 Number of Saturdays: 7  
 Number of Sundays: 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.

TRIP RATE for Land Use 01 - RETAIL/K - RETAIL PARK - EXCLUDING FOOD  
OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	5	7826	0.005	5	7826	0.005	5	7826	0.010
08:00 - 09:00	8	7426	0.005	8	7426	0.003	8	7426	0.008
09:00 - 10:00	8	7426	0.002	8	7426	0.003	8	7426	0.005
10:00 - 11:00	8	7426	0.008	8	7426	0.007	8	7426	0.015
11:00 - 12:00	8	7426	0.008	8	7426	0.010	8	7426	0.018
12:00 - 13:00	8	7426	0.007	8	7426	0.007	8	7426	0.014
13:00 - 14:00	8	7426	0.005	8	7426	0.005	8	7426	0.010
14:00 - 15:00	8	7426	0.005	8	7426	0.005	8	7426	0.010
15:00 - 16:00	8	7426	0.010	8	7426	0.008	8	7426	0.018
16:00 - 17:00	8	7426	0.007	8	7426	0.008	8	7426	0.015
17:00 - 18:00	8	7426	0.005	8	7426	0.002	8	7426	0.007
18:00 - 19:00	8	7426	0.002	8	7426	0.003	8	7426	0.005
19:00 - 20:00	6	7105	0.002	6	7105	0.002	6	7105	0.004
20:00 - 21:00	1	9325	0.000	1	9325	0.000	1	9325	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.071			0.068			0.139

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: 3500 - 13129 (units: sqm)  
 Survey date range: 01/01/06 - 19/10/13  
 Number of weekdays (Monday-Friday): 1  
 Number of Saturdays: 7  
 Number of Sundays: 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.

## **TRICS Output**

Retirement flats



## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL  
 Category : N - RETIREMENT FLATS  
 VEHICLES

Selected regions and areas:

04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	SY SOUTH YORKSHIRE	1 days
09	NORTH	
	TW TYNE & WEAR	1 days
10	WALES	
	CF CARDIFF	1 days
	VG VALE OF GLAMORGAN	1 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  
 Actual Range: 28 to 50 (units: )  
 Range Selected by User: 28 to 76 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 19/12/12

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	2 days
Wednesday	2 days
Friday	1 days

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

Selected survey types:

Manual count	5 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)	2
Edge of Town	2
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	4
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.

Filtering Stage 3 selection:

Use Class:

C2	1 days
C3	4 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:

5,001 to 10,000	1 days
15,001 to 20,000	2 days
20,001 to 25,000	2 days

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

Population within 5 miles:

125,001 to 250,000	5 days
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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	2 days
1.1 to 1.5	3 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	5 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	CA-03-N-01	RETIREMENT FLATS		CAMBRIDGESHIRE
	HEDDA DRIVE			
	HAMPTON HARGATE			
	PETERBOROUGH			
	Neighbourhood Centre (PPS6 Local Centre)			
	Residential Zone			
	Total Number of dwellings:	50		
	Survey date: WEDNESDAY	14/05/08		Survey Type: MANUAL
2	CF-03-N-02	RETIREMENT FLATS		CARDIFF
	ASHDOWN CLOSE			
	ST MELLONS			
	CARDIFF			
	Edge of Town			
	Residential Zone			
	Total Number of dwellings:	35		
	Survey date: FRIDAY	13/10/06		Survey Type: MANUAL
3	SY-03-N-01	RETIREMENT FLATS		SOUTH YORKSHIRE
	MOSS CLOSE			
	WICKERSLEY			
	NEAR ROTHERHAM			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	28		
	Survey date: WEDNESDAY	19/12/12		Survey Type: MANUAL
4	TW-03-N-01	RETIREMENT FLATS		TYNE & WEAR
	BRABOURNE GARDENS			
	NORTH SHIELDS			
	Edge of Town			
	No Sub Category			
	Total Number of dwellings:	33		
	Survey date: MONDAY	30/10/06		Survey Type: MANUAL
5	VG-03-N-01	RETIREMENT FLATS		VALE OF GLAMORGAN
	BRADFORD PLACE			
	PENARTH			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Number of dwellings:	46		
	Survey date: MONDAY	16/07/12		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/N - RETIREMENT FLATS  
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	5	38	0.031	5	38	0.016	5	38	0.047
08:00 - 09:00	5	38	0.068	5	38	0.073	5	38	0.141
09:00 - 10:00	5	38	0.078	5	38	0.073	5	38	0.151
10:00 - 11:00	5	38	0.099	5	38	0.104	5	38	0.203
11:00 - 12:00	5	38	0.120	5	38	0.151	5	38	0.271
12:00 - 13:00	5	38	0.115	5	38	0.135	5	38	0.250
13:00 - 14:00	5	38	0.120	5	38	0.141	5	38	0.261
14:00 - 15:00	5	38	0.089	5	38	0.094	5	38	0.183
15:00 - 16:00	5	38	0.063	5	38	0.063	5	38	0.124
16:00 - 17:00	5	38	0.156	5	38	0.094	5	38	0.250
17:00 - 18:00	5	38	0.078	5	38	0.073	5	38	0.151
18:00 - 19:00	5	38	0.083	5	38	0.068	5	38	0.151
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.099			1.084			2.183

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: 28 - 50 (units: )  
 Survey date range: 01/01/06 - 19/12/12  
 Number of weekdays (Monday-Friday): 5  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 03 - RESIDENTIAL/N - RETIREMENT FLATS

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									
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	5	38	0.000	5	38	0.000	5	38	0.000
08:00 - 09:00	5	38	0.000	5	38	0.000	5	38	0.000
09:00 - 10:00	5	38	0.010	5	38	0.005	5	38	0.015
10:00 - 11:00	5	38	0.005	5	38	0.000	5	38	0.005
11:00 - 12:00	5	38	0.000	5	38	0.005	5	38	0.005
12:00 - 13:00	5	38	0.000	5	38	0.000	5	38	0.000
13:00 - 14:00	5	38	0.000	5	38	0.000	5	38	0.000
14:00 - 15:00	5	38	0.000	5	38	0.000	5	38	0.000
15:00 - 16:00	5	38	0.000	5	38	0.000	5	38	0.000
16:00 - 17:00	5	38	0.000	5	38	0.000	5	38	0.000
17:00 - 18:00	5	38	0.000	5	38	0.005	5	38	0.005
18:00 - 19:00	5	38	0.000	5	38	0.000	5	38	0.000
19:00 - 20:00	1	50	0.000	1	50	0.000	1	50	0.000
20:00 - 21:00	1	50	0.000	1	50	0.000	1	50	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.015			0.015			0.030

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: 28 - 50 (units: )  
 Survey date date range: 01/01/06 - 19/12/12  
 Number of weekdays (Monday-Friday): 5  
 Number of Saturdays: 0  
 Number of Sundays: 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.

## **TRICS Output**

Sheltered accommodation

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL  
 Category : F - SHELTERED ACCOMMODATION  
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	1 days
	SC SURREY	1 days
03	SOUTH WEST	
	DC DORSET	1 days
05	EAST MIDLANDS	
	LE LEICESTERSHIRE	2 days
	LN LINCOLNSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 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  
 Actual Range: 14 to 114 (units: )  
 Range Selected by User: 14 to 124 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 21/06/13

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	1 days
Tuesday	2 days
Wednesday	1 days
Thursday	3 days
Friday	1 days

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

Selected survey types:

Manual count	8 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)	4
Edge of Town	3
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	6
Built-Up Zone	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

Filtering Stage 3 selection:

Use Class:

C3

8 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

1 days

10,001 to 15,000

3 days

25,001 to 50,000

4 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

50,001 to 75,000

1 days

100,001 to 125,000

2 days

250,001 to 500,000

4 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

3 days

1.1 to 1.5

5 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

8 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.



LIST OF SITES relevant to selection parameters

1	DC-03-F-02 WILLOW PARK	SHELTERED HOUSING	DORSET
	POOLE Suburban Area (PPS6 Out of Centre) Built-Up Zone Total Number of dwellings: 114 Survey date: THURSDAY 17/07/08		Survey Type: MANUAL
2	ES-03-F-01 STAR ROAD OLD TOWN EASTBOURNE Neighbourhood Centre (PPS6 Local Centre) No Sub Category Total Number of dwellings: 29 Survey date: MONDAY 30/11/09	SHELTERED HOU.	EAST SUSSEX
3	LE-03-F-01 BELLAMY CLOSE GLEN PARVA LEICESTER Edge of Town Residential Zone Total Number of dwellings: 33 Survey date: WEDNESDAY 24/06/09	SHELTERED HOUSING	LEICESTERSHIRE
4	LE-03-F-02 AYLESTONE LANE WIGSTON LEICESTER Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 49 Survey date: THURSDAY 27/09/12	SHELTERED HOUSING	LEICESTERSHIRE
5	LN-03-F-01 WILLOW CLOSE	SHELTERED HOUSING	LINCOLNSHIRE
	HECKINGTON Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 40 Survey date: TUESDAY 11/12/12		Survey Type: MANUAL
6	NT-03-F-01 BEAUMONT STREET SNEINTON NOTTINGHAM Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 87 Survey date: FRIDAY 21/06/13	SHELTERED HOUSING	NOTTINGHAMSHIRE
7	SC-03-F-01 COLLIER WAY BUSHY HILL GUILFORD Edge of Town Residential Zone Total Number of dwellings: 32 Survey date: TUESDAY 08/07/08	SHELTERED HOUSING	SURREY
			Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	WK-03-F-01	SHELTERED HOUSING	WARWICKSHIRE
	NORTHUMBERLAND ROAD		
	MILVERTON		
	LEAMINGTON SPA		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	14	
	Survey date: THURSDAY	25/10/12	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/F - SHELTERED ACCOMMODATION  
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	8	50	0.043	8	50	0.033	8	50	0.076
08:00 - 09:00	8	50	0.098	8	50	0.073	8	50	0.171
09:00 - 10:00	8	50	0.123	8	50	0.151	8	50	0.274
10:00 - 11:00	8	50	0.123	8	50	0.153	8	50	0.276
11:00 - 12:00	8	50	0.143	8	50	0.113	8	50	0.256
12:00 - 13:00	8	50	0.143	8	50	0.136	8	50	0.279
13:00 - 14:00	8	50	0.101	8	50	0.143	8	50	0.244
14:00 - 15:00	8	50	0.106	8	50	0.075	8	50	0.181
15:00 - 16:00	8	50	0.095	8	50	0.101	8	50	0.196
16:00 - 17:00	8	50	0.113	8	50	0.113	8	50	0.226
17:00 - 18:00	8	50	0.095	8	50	0.095	8	50	0.190
18:00 - 19:00	8	50	0.058	8	50	0.063	8	50	0.121
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.241			1.249			2.490

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: 14 - 114 (units: )  
 Survey date range: 01/01/06 - 21/06/13  
 Number of weekdays (Monday-Friday): 8  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 03 - RESIDENTIAL/F - SHELTERED ACCOMMODATION

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									
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	8	50	0.003	8	50	0.003	8	50	0.006
08:00 - 09:00	8	50	0.000	8	50	0.000	8	50	0.000
09:00 - 10:00	8	50	0.003	8	50	0.003	8	50	0.006
10:00 - 11:00	8	50	0.008	8	50	0.008	8	50	0.016
11:00 - 12:00	8	50	0.000	8	50	0.000	8	50	0.000
12:00 - 13:00	8	50	0.000	8	50	0.000	8	50	0.000
13:00 - 14:00	8	50	0.000	8	50	0.000	8	50	0.000
14:00 - 15:00	8	50	0.003	8	50	0.000	8	50	0.003
15:00 - 16:00	8	50	0.003	8	50	0.003	8	50	0.006
16:00 - 17:00	8	50	0.000	8	50	0.000	8	50	0.000
17:00 - 18:00	8	50	0.000	8	50	0.000	8	50	0.000
18:00 - 19:00	8	50	0.000	8	50	0.000	8	50	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.020			0.017			0.037

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:  $\text{COUNT}/\text{TRP} \times \text{FACT}$ . Trip rates are then rounded to 3 decimal places.

#### Parameter summary

Trip rate parameter range selected: 14 - 114 (units: )  
 Survey date range: 01/01/06 - 21/06/13  
 Number of weekdays (Monday-Friday): 8  
 Number of Saturdays: 0  
 Number of Sundays: 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.

## **TRICS Output**

Shopping centre – local shops

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL  
 Category : I - SHOPPING CENTRE - LOCAL SHOPS  
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	EX ESSEX	1 days
	HC HAMPSHIRE	1 days
03	SOUTH WEST	
	GS GLOUCESTERSHIRE	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
	NR NORTHAMPTONSHIRE	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
08	NORTH WEST	
	LC LANCASHIRE	1 days
09	NORTH	
	TV TEES VALLEY	1 days
	TW TYNE & WEAR	1 days
10	WALES	
	CF CARDIFF	1 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: Gross floor area  
 Actual Range: 500 to 1605 (units: sqm)  
 Range Selected by User: 500 to 4000 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 24/10/13

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	2 days
Wednesday	2 days
Thursday	2 days
Friday	1 days

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

Selected survey types:

Manual count	11 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
Edge of Town	2
Neighbourhood Centre (PPS6 Local Centre)	8

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

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:

A1

8 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:

5,001 to 10,000

3 days

10,001 to 15,000

1 days

15,001 to 20,000

5 days

20,001 to 25,000

2 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

2 days

75,001 to 100,000

1 days

100,001 to 125,000

1 days

125,001 to 250,000

7 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

3 days

1.1 to 1.5

8 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

11 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

11 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.

LIST OF SITES relevant to selection parameters

1	CF-01-I-01 MICHAELSTON ROAD	LOCAL SHOPS	CARDIFF
	CARDIFF Edge of Town No Sub Category Total Gross floor area:	500 sqm	
	Survey date: MONDAY	08/10/07	Survey Type: MANUAL
2	DS-01-I-01 STONELOW ROAD	LOCAL SHOPS	DERBYSHIRE
	HOLMESDALE DRONFIELD Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Gross floor area:	1130 sqm	
	Survey date: WEDNESDAY	21/06/06	Survey Type: MANUAL
3	EX-01-I-01 PYRLES LANE	LOCAL SHOPS	ESSEX
	LOUGHTON Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Gross floor area:	650 sqm	
	Survey date: THURSDAY	22/11/07	Survey Type: MANUAL
4	GS-01-I-01 SALISBURY AVENUE	LOCAL SHOPS	GLOUCESTERSHIRE
	WARDEN HILL CHELTENHAM Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area:	525 sqm	
	Survey date: MONDAY	26/04/10	Survey Type: MANUAL
5	HC-01-I-02 OLIVER'S BATTERY ROAD S.	LOCAL SHOPS	HAMPSHIRE
	OLIVERS BATTERY WINCHESTER Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Gross floor area:	1605 sqm	
	Survey date: TUESDAY	20/11/07	Survey Type: MANUAL
6	LC-01-I-01 TALBOT ROW	LOCAL SHOPS	LANCASHIRE
	EUXTON NEAR CHORLEY Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Gross floor area:	720 sqm	
	Survey date: MONDAY	17/10/11	Survey Type: MANUAL
7	NR-01-I-01 OCCUPATION ROAD	LOCAL SHOPS	NORTHAMPTONSHIRE
	CORBY Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Gross floor area:	755 sqm	
	Survey date: WEDNESDAY	19/11/08	Survey Type: MANUAL



LIST OF SITES relevant to selection parameters (Cont.)

8	NY-01-I-01	LOCAL SHOPS	NORTH YORKSHIRE
	NEWLANDS PARK DRIVE		
	SCARBOROUGH		
	Neighbourhood Centre (PPS6 Local Centre)		
	Residential Zone		
	Total Gross floor area:	1200 sqm	
	Survey date: FRIDAY	28/09/07	Survey Type: MANUAL
9	SH-01-I-02	LOCAL SHOPS	SHROPSHIRE
	WREKIN DRIVE		
	DONNINGTON		
	TELFORD		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	900 sqm	
	Survey date: THURSDAY	24/10/13	Survey Type: MANUAL
10	TV-01-I-04	LOCAL SHOPS	TEES VALLEY
	CARGO FLEET LANE		
	ORMESBY		
	MIDDLESBROUGH		
	Neighbourhood Centre (PPS6 Local Centre)		
	Residential Zone		
	Total Gross floor area:	585 sqm	
	Survey date: MONDAY	07/10/13	Survey Type: MANUAL
11	TW-01-I-01	LOCAL SHOPS	TYNE & WEAR
	FARRINGDON ROAD		
	MARDEN		
	NORTH SHIELDS		
	Neighbourhood Centre (PPS6 Local Centre)		
	Residential Zone		
	Total Gross floor area:	850 sqm	
	Survey date: TUESDAY	17/10/06	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 01 - RETAIL/I - SHOPPING CENTRE - LOCAL SHOPS  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	11	856	4.193	11	856	3.896	11	856	8.089
08:00 - 09:00	11	856	5.531	11	856	5.308	11	856	10.839
09:00 - 10:00	11	856	6.104	11	856	5.807	11	856	11.911
10:00 - 11:00	11	856	5.531	11	856	5.456	11	856	10.987
11:00 - 12:00	11	856	5.945	11	856	5.881	11	856	11.826
12:00 - 13:00	11	856	6.932	11	856	6.826	11	856	13.758
13:00 - 14:00	11	856	6.454	11	856	6.083	11	856	12.537
14:00 - 15:00	11	856	5.308	11	856	5.563	11	856	10.871
15:00 - 16:00	11	856	5.679	11	856	5.839	11	856	11.518
16:00 - 17:00	11	856	6.200	11	856	6.157	11	856	12.357
17:00 - 18:00	11	856	5.934	11	856	6.178	11	856	12.112
18:00 - 19:00	11	856	5.616	11	856	5.616	11	856	11.232
19:00 - 20:00	11	856	4.469	11	856	4.469	11	856	8.938
20:00 - 21:00	8	729	3.393	8	729	3.942	8	729	7.335
21:00 - 22:00	3	670	3.930	3	670	4.876	3	670	8.806
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		81.219			81.897			163.116	

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: 500 - 1605 (units: sqm)  
 Survey date range: 01/01/06 - 24/10/13  
 Number of weekdays (Monday-Friday): 11  
 Number of Saturdays: 0  
 Number of Sundays: 0  
 Surveys manually removed from selection: 1

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 01 - RETAIL/I - SHOPPING CENTRE - LOCAL SHOPS

OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	11	856	0.096	11	856	0.064	11	856	0.160
08:00 - 09:00	11	856	0.117	11	856	0.106	11	856	0.223
09:00 - 10:00	11	856	0.170	11	856	0.212	11	856	0.382
10:00 - 11:00	11	856	0.096	11	856	0.064	11	856	0.160
11:00 - 12:00	11	856	0.127	11	856	0.106	11	856	0.233
12:00 - 13:00	11	856	0.159	11	856	0.191	11	856	0.350
13:00 - 14:00	11	856	0.096	11	856	0.117	11	856	0.213
14:00 - 15:00	11	856	0.085	11	856	0.064	11	856	0.149
15:00 - 16:00	11	856	0.042	11	856	0.053	11	856	0.095
16:00 - 17:00	11	856	0.085	11	856	0.053	11	856	0.138
17:00 - 18:00	11	856	0.042	11	856	0.064	11	856	0.106
18:00 - 19:00	11	856	0.021	11	856	0.032	11	856	0.053
19:00 - 20:00	11	856	0.032	11	856	0.021	11	856	0.053
20:00 - 21:00	8	729	0.000	8	729	0.000	8	729	0.000
21:00 - 22:00	3	670	0.000	3	670	0.000	3	670	0.000
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.168			1.147			2.315

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:	500 - 1605 (units: sqm)
Survey date range:	01/01/06 - 24/10/13
Number of weekdays (Monday-Friday):	11
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	1

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 Output**

Student accommodation

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL  
 Category : G - STUDENT ACCOMODATION  
 VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	BR BRISTOL CITY	1 days
	DV DEVON	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	WY WEST YORKSHIRE	1 days
11	SCOTLAND	
	FI FIFE	1 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 residents  
 Actual Range: 110 to 370 (units: )  
 Range Selected by User: 100 to 500 (units: )

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 17/10/13

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:

Wednesday	2 days
Thursday	3 days

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

Selected survey types:

Manual count	5 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	2
Edge of Town	3

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
Built-Up Zone	2
No Sub Category	2

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

5 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:

5,001 to 10,000

1 days

10,001 to 15,000

1 days

15,001 to 20,000

1 days

20,001 to 25,000

1 days

25,001 to 50,000

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

100,001 to 125,000

1 days

125,001 to 250,000

2 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

1 days

1.1 to 1.5

4 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

1 days

No

4 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.

LIST OF SITES relevant to selection parameters

1	BR-03-G-01	STUDENT FLATS		BRISTOL CITY
	BLACKBERRY HILL			
	STAPLETON			
	BRISTOL			
	Edge of Town			
	No Sub Category			
	Total Number of residents:	170		
	Survey date: THURSDAY	28/09/06		Survey Type: MANUAL
2	DV-03-G-02	STUDENT FLATS		DEVON
	COWLEY BRIDGE ROAD			
	EXETER			
	Edge of Town			
	No Sub Category			
	Total Number of residents:	110		
	Survey date: WEDNESDAY	05/10/11		Survey Type: MANUAL
3	FI-03-G-01	STUDENT FLATS		FIFE
	BUCHANAN GARDENS			
	ST ANDREWS			
	Edge of Town			
	Residential Zone			
	Total Number of residents:	300		
	Survey date: THURSDAY	24/05/12		Survey Type: MANUAL
4	WK-03-G-02	STUDENT FLATS		WARWICKSHIRE
	RAGLAN STREET			
	COVENTRY			
	Edge of Town Centre			
	Built-Up Zone			
	Total Number of residents:	197		
	Survey date: THURSDAY	17/10/13		Survey Type: MANUAL
5	WY-03-G-01	STUDENT FLATS		WEST YORKSHIRE
	KINGS MILL LANE			
	ASPLEY			
	HUDDERSFIELD			
	Edge of Town Centre			
	Built-Up Zone			
	Total Number of residents:	370		
	Survey date: WEDNESDAY	13/09/06		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/G - STUDENT ACCOMODATION  
VEHICLES

Calculation factor: 1 RESIDE

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	5	229	0.005	5	229	0.008	5	229	0.013
08:00 - 09:00	5	229	0.010	5	229	0.023	5	229	0.033
09:00 - 10:00	5	229	0.012	5	229	0.022	5	229	0.034
10:00 - 11:00	5	229	0.018	5	229	0.014	5	229	0.032
11:00 - 12:00	5	229	0.027	5	229	0.028	5	229	0.055
12:00 - 13:00	5	229	0.033	5	229	0.027	5	229	0.060
13:00 - 14:00	5	229	0.024	5	229	0.033	5	229	0.057
14:00 - 15:00	5	229	0.025	5	229	0.029	5	229	0.054
15:00 - 16:00	5	229	0.037	5	229	0.027	5	229	0.064
16:00 - 17:00	5	229	0.036	5	229	0.030	5	229	0.066
17:00 - 18:00	5	229	0.019	5	229	0.024	5	229	0.043
18:00 - 19:00	5	229	0.019	5	229	0.027	5	229	0.046
19:00 - 20:00	1	197	0.015	1	197	0.015	1	197	0.030
20:00 - 21:00	1	197	0.015	1	197	0.020	1	197	0.035
21:00 - 22:00	1	197	0.015	1	197	0.020	1	197	0.035
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		0.310			0.347			0.657	

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: 110 - 370 (units: )  
 Survey date date range: 01/01/06 - 17/10/13  
 Number of weekdays (Monday-Friday): 5  
 Number of Saturdays: 0  
 Number of Sundays: 0  
 Surveys manually removed from selection: 1

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/G - STUDENT ACCOMODATION  
OGVS

Calculation factor: 1 RESIDE

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	Trip Rate	No. Days	Ave. RESIDE	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	5	229	0.000	5	229	0.000	5	229	0.000
08:00 - 09:00	5	229	0.001	5	229	0.001	5	229	0.002
09:00 - 10:00	5	229	0.000	5	229	0.000	5	229	0.000
10:00 - 11:00	5	229	0.000	5	229	0.000	5	229	0.000
11:00 - 12:00	5	229	0.001	5	229	0.001	5	229	0.002
12:00 - 13:00	5	229	0.000	5	229	0.000	5	229	0.000
13:00 - 14:00	5	229	0.000	5	229	0.000	5	229	0.000
14:00 - 15:00	5	229	0.000	5	229	0.000	5	229	0.000
15:00 - 16:00	5	229	0.000	5	229	0.000	5	229	0.000
16:00 - 17:00	5	229	0.000	5	229	0.000	5	229	0.000
17:00 - 18:00	5	229	0.000	5	229	0.000	5	229	0.000
18:00 - 19:00	5	229	0.000	5	229	0.000	5	229	0.000
19:00 - 20:00	1	197	0.000	1	197	0.000	1	197	0.000
20:00 - 21:00	1	197	0.000	1	197	0.000	1	197	0.000
21:00 - 22:00	1	197	0.000	1	197	0.000	1	197	0.000
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.002			0.002			0.004

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:  $\text{COUNT}/\text{TRP} \times \text{FACT}$ . Trip rates are then rounded to 3 decimal places.

#### Parameter summary

Trip rate parameter range selected: 110 - 370 (units: )  
 Survey date range: 01/01/06 - 17/10/13  
 Number of weekdays (Monday-Friday): 5  
 Number of Saturdays: 0  
 Number of Sundays: 0  
 Surveys manually removed from selection: 1

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 Output**

Warehousing (commercial)

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT  
 Category : F - WAREHOUSING (COMMERCIAL)  
 VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	CW CORNWALL	1 days
04	EAST ANGLIA	
	SF SUFFOLK	1 days
05	EAST MIDLANDS	
	LN LINCOLNSHIRE	1 days
10	WALES	
	NW NEWPORT	1 days
	WR WREXHAM	1 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: Gross floor area  
 Actual Range: 5150 to 32300 (units: sqm)  
 Range Selected by User: 5000 to 40000 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 11/07/13

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	1 days
Tuesday	2 days
Thursday	1 days
Friday	1 days

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

Selected survey types:

Manual count	5 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
Edge of Town	3
Free Standing (PPS6 Out of Town)	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:

Industrial Zone	2
No Sub Category	3

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:

B8	5 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:

1,000 or Less	1 days
1,001 to 5,000	3 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:

5,001 to 25,000	1 days
25,001 to 50,000	1 days
50,001 to 75,000	2 days
100,001 to 125,000	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	1 days
1.1 to 1.5	4 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	5 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.

LIST OF SITES relevant to selection parameters

1	CW-02-F-01 A390 THREEMILESTONE NEAR TRURO Edge of Town No Sub Category Total Gross floor area: Survey date: TUESDAY	WAREHOUSING      5150 sqm 18/09/07	CORNWALL	Survey Type: MANUAL
2	LN-02-F-01 TRENT ROAD  GRANTHAM Edge of Town No Sub Category Total Gross floor area: Survey date: MONDAY	BOOK SERVICE     32300 sqm 29/11/10	LINCOLNSHIRE	Survey Type: MANUAL
3	NW-02-F-01 TREDEGAR TERRACE CROSSKEYS NEWPORT Edge of Town No Sub Category Total Gross floor area: Survey date: FRIDAY	LOGISTICS CENTRE     16275 sqm 12/10/07	NEWPORT	Survey Type: MANUAL
4	SF-02-F-02 WALTON ROAD  FELIXSTOWE Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: Survey date: THURSDAY	WAREHOUSING     22270 sqm 11/07/13	SUFFOLK	Survey Type: MANUAL
5	WR-02-F-01 UNIT 1-2 PACIFIC PARK WREXHAM IND. ESTATE NEAR WREXHAM Free Standing (PPS6 Out of Town) Industrial Zone Total Gross floor area: Survey date: TUESDAY	WAREHOUSE     9000 sqm 18/10/11	WREXHAM	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 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)  
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	1	22270	0.018	1	22270	0.040	1	22270	0.058
06:00 - 07:00	1	22270	0.058	1	22270	0.063	1	22270	0.121
07:00 - 08:00	5	16999	0.067	5	16999	0.014	5	16999	0.081
08:00 - 09:00	5	16999	0.088	5	16999	0.042	5	16999	0.130
09:00 - 10:00	5	16999	0.054	5	16999	0.031	5	16999	0.085
10:00 - 11:00	5	16999	0.041	5	16999	0.035	5	16999	0.076
11:00 - 12:00	5	16999	0.036	5	16999	0.036	5	16999	0.072
12:00 - 13:00	5	16999	0.045	5	16999	0.045	5	16999	0.090
13:00 - 14:00	5	16999	0.061	5	16999	0.028	5	16999	0.089
14:00 - 15:00	5	16999	0.039	5	16999	0.068	5	16999	0.107
15:00 - 16:00	5	16999	0.041	5	16999	0.045	5	16999	0.086
16:00 - 17:00	5	16999	0.034	5	16999	0.059	5	16999	0.093
17:00 - 18:00	5	16999	0.025	5	16999	0.085	5	16999	0.110
18:00 - 19:00	5	16999	0.016	5	16999	0.027	5	16999	0.043
19:00 - 20:00	1	22270	0.036	1	22270	0.031	1	22270	0.067
20:00 - 21:00	1	22270	0.013	1	22270	0.031	1	22270	0.044
21:00 - 22:00	1	22270	0.031	1	22270	0.018	1	22270	0.049
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.703			0.698			1.401

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: 5150 - 32300 (units: sqm)  
 Survey date range: 01/01/06 - 11/07/13  
 Number of weekdays (Monday-Friday): 5  
 Number of Saturdays: 0  
 Number of Sundays: 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.

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	1	22270	0.013	1	22270	0.040	1	22270	0.053
06:00 - 07:00	1	22270	0.027	1	22270	0.063	1	22270	0.090
07:00 - 08:00	5	16999	0.016	5	16999	0.012	5	16999	0.028
08:00 - 09:00	5	16999	0.014	5	16999	0.021	5	16999	0.035
09:00 - 10:00	5	16999	0.020	5	16999	0.016	5	16999	0.036
10:00 - 11:00	5	16999	0.024	5	16999	0.015	5	16999	0.039
11:00 - 12:00	5	16999	0.016	5	16999	0.014	5	16999	0.030
12:00 - 13:00	5	16999	0.009	5	16999	0.015	5	16999	0.024
13:00 - 14:00	5	16999	0.016	5	16999	0.008	5	16999	0.024
14:00 - 15:00	5	16999	0.014	5	16999	0.014	5	16999	0.028
15:00 - 16:00	5	16999	0.027	5	16999	0.016	5	16999	0.043
16:00 - 17:00	5	16999	0.015	5	16999	0.015	5	16999	0.030
17:00 - 18:00	5	16999	0.014	5	16999	0.018	5	16999	0.032
18:00 - 19:00	5	16999	0.009	5	16999	0.009	5	16999	0.018
19:00 - 20:00	1	22270	0.018	1	22270	0.022	1	22270	0.040
20:00 - 21:00	1	22270	0.013	1	22270	0.027	1	22270	0.040
21:00 - 22:00	1	22270	0.027	1	22270	0.004	1	22270	0.031
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.292			0.329			0.621

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:  $\text{COUNT/TRP*FACT}$ . Trip rates are then rounded to 3 decimal places.

#### Parameter summary

Trip rate parameter range selected:	5150 - 32300 (units: sqm)
Survey date range:	01/01/06 - 11/07/13
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	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.

## **Appendix B**

### **Traffic growth**

#### Traffic growth factors



## Growth Factors

*Table A1.1: AM NTEM car growth factors*

<b>NTEM zone</b>	<b>Time period</b>	<b>Origin/ Destination</b>	<b>Trip purpose</b>	<b>2013–2025 Base</b>	<b>2013–2025 Local Plan</b>	<b>2013–2030 Local Plan</b>
rural (Carlisle)	AM	Origin	Commute	1.03540	0.98149	0.94883
rural (Carlisle)	AM	Origin	Business	1.02824	0.98588	0.95764
rural (Carlisle)	AM	Origin	Education	1.03330	0.98393	0.94948
rural (Carlisle)	AM	Origin	Other	1.09593	1.04796	1.04279
rural (Carlisle)	AM	Destination	Commute	1.02136	1.01679	1.00894
rural (Carlisle)	AM	Destination	Business	1.01855	1.01518	1.00675
rural (Carlisle)	AM	Destination	Education	1.09445	1.08096	1.09145
rural (Carlisle)	AM	Destination	Other	1.12072	1.09681	1.11873
Carlisle	AM	Origin	Commute	0.97976	0.95400	0.92860
Carlisle	AM	Origin	Business	0.99841	0.98091	0.96235
Carlisle	AM	Origin	Education	0.96747	0.94444	0.91592
Carlisle	AM	Origin	Other	1.02980	1.00880	1.00809
Carlisle	AM	Destination	Commute	1.01807	1.01662	1.00661
Carlisle	AM	Destination	Business	1.01660	1.01517	1.00522
Carlisle	AM	Destination	Education	0.99388	0.98964	0.96987
Carlisle	AM	Destination	Other	1.04945	1.04112	1.04881
Brampton nr Carlisle	AM	Origin	Commute	1.14498	0.96283	1.00743
Brampton nr Carlisle	AM	Origin	Business	1.13542	0.98958	1.02083
Brampton nr Carlisle	AM	Origin	Education	1.12931	0.96552	1.00000
Brampton nr Carlisle	AM	Origin	Other	1.18204	1.01995	1.08978
Brampton nr Carlisle	AM	Destination	Commute	1.04528	1.02830	1.03019
Brampton nr Carlisle	AM	Destination	Business	1.05882	1.04412	1.04412
Brampton nr Carlisle	AM	Destination	Education	1.11364	1.06818	1.09091
Brampton nr Carlisle	AM	Destination	Other	1.16332	1.08596	1.13181

Table A1.2: PM NTEM car growth factors

<b>NTEM zone</b>	<b>Time period</b>	<b>Origin/ Destination</b>	<b>Trip purpose</b>	<b>2013– 2025 Base</b>	<b>2013– 2025 Local Plan</b>	<b>2013– 2030 Local Plan</b>
rural (Carlisle)	PM	Origin	Commute	1.02189	1.01538	1.00678
rural (Carlisle)	PM	Origin	Business	1.02536	1.01585	1.00634
rural (Carlisle)	PM	Origin	Education	1.08108	1.06081	1.06419
rural (Carlisle)	PM	Origin	Other	1.09595	1.06200	1.06851
rural (Carlisle)	PM	Destination	Commute	1.03383	0.98045	0.94818
rural (Carlisle)	PM	Destination	Business	1.02945	0.98592	0.95903
rural (Carlisle)	PM	Destination	Education	1.04213	0.99719	0.97191
rural (Carlisle)	PM	Destination	Other	1.09137	1.05052	1.04917
Carlisle	PM	Origin	Commute	1.01299	1.01058	0.99940
Carlisle	PM	Origin	Business	1.01744	1.01462	1.00471
Carlisle	PM	Origin	Education	0.99336	0.98783	0.96681
Carlisle	PM	Origin	Other	1.03546	1.02266	1.02449
Carlisle	PM	Destination	Commute	0.97786	0.95244	0.92693
Carlisle	PM	Destination	Business	0.99791	0.98016	0.96136
Carlisle	PM	Destination	Education	0.97628	0.95611	0.92883
Carlisle	PM	Destination	Other	1.02527	1.00869	1.00644
Brampton nr Carlisle	PM	Origin	Commute	1.04846	1.02203	1.02423
Brampton nr Carlisle	PM	Origin	Business	1.05405	1.01351	1.02703
Brampton nr Carlisle	PM	Origin	Education	1.10256	1.02564	1.05128
Brampton nr Carlisle	PM	Origin	Other	1.15530	1.04064	1.09289
Brampton nr Carlisle	PM	Destination	Commute	1.14093	0.95952	1.00150
Brampton nr Carlisle	PM	Destination	Business	1.14583	0.98958	1.03125
Brampton nr Carlisle	PM	Destination	Education	1.12766	0.97872	1.02128
Brampton nr Carlisle	PM	Destination	Other	1.16298	1.02624	1.08149

*Table A1.3: Fuel and income growth factors*

<b>Factor</b>	<b>2013–2025 Base</b>	<b>2013–2025 Local Plan</b>	<b>2013–2030 Local Plan</b>
Income	1.029692	1.029692	1.043349
Fuel	1.064139	1.064139	1.081292

*Table A1.4: NTM growth factors*

<b>NTEM zone</b>	<b>Road type</b>	<b>Time period</b>	<b>2013–2025 Base</b>	<b>2013–2025 Local Plan</b>	<b>2013–2030 Local Plan</b>
Carlisle	Urban all	AM	1.09362	1.07903	1.11973
Brampton nr Carlisle	Urban all	AM	1.21179	1.09599	1.18974
rural (Carlisle)	Rural all	AM	1.14697	1.11320	1.15508
Cumbria	Rural motorway	AM	1.14719	1.14719	1.21094
Cumbria	Rural trunk	AM	1.13802	1.13802	1.19738
Cumbria	Rural principal	AM	1.09996	1.09996	1.15253
Cumbria	Rural minor	AM	1.11048	1.11048	1.17027
Carlisle	Urban all	PM	1.09551	1.08043	1.12330
Brampton nr Carlisle	Urban all	PM	1.22162	1.09464	1.19433
rural (Carlisle)	Rural all	PM	1.15509	1.11821	1.16268
Cumbria	Rural motorway	PM	1.15583	1.15583	1.22485
Cumbria	Rural trunk	PM	1.14658	1.14658	1.21114
Cumbria	Rural principal	PM	1.10824	1.10824	1.16577
Cumbria	Rural minor	PM	1.11884	1.11884	1.18371

## **Appendix C**

### **Forecast junction performance**

Table C1: Forecast junction performance

Figure C1: Forecast junction performance – base network

Figure C2: Forecast junction performance – junction improvements

Figure C3: Forecast junction performance – sustainable improvements

Carlisle Local Plan Transport Modelling Results  
Table C1: Forecast junction performance

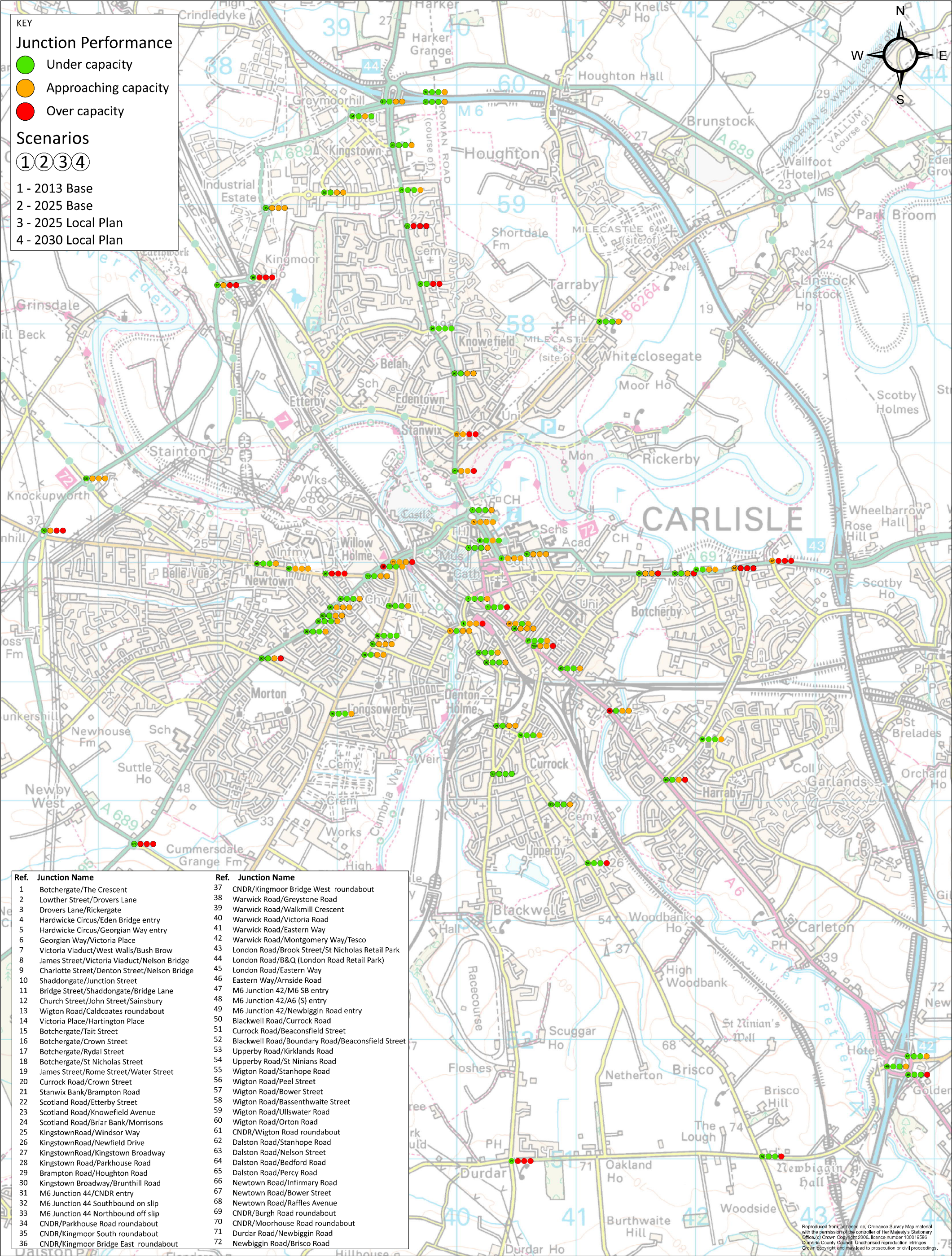
Junction performance: Ratio of Flow to Capacity (RFC)			Base Network							
Scenario:			2013 Base		2025 Base		2025 Local Plan		2030 Local Plan	
Ref	Node	Junction	AM	PM	AM	PM	AM	PM	AM	PM
1	1010	Botchergate/The Crescent	0.63	0.70	0.62	0.78	0.71	0.78	0.84	1.00
2	1065	Lowther Street/Drovers Lane	0.37	0.48	0.36	0.49	0.61	0.92	0.74	0.89
3	1070	Drovers Lane/Rickergate	0.49	0.69	0.47	0.68	0.49	0.89	0.61	0.93
4	1120	Hardwicke Circus/Eden Bridge entry	0.65	0.59	0.81	0.66	0.87	0.72	0.93	0.76
5	1140	Hardwicke Circus/Georgian Way entry	0.95	0.98	0.91	0.96	0.91	0.98	0.93	1.00
6	1150	Georgian Way/Victoria Place	0.71	0.74	0.90	0.84	0.90	0.89	0.91	0.90
7	1190	Victoria Viaduct/West Walls/Bush Brow	0.35	0.19	0.32	0.51	0.39	0.76	0.51	0.91
8	1200	James Street/Victoria Viaduct/Nelson Bridge	0.82	0.84	0.83	0.94	0.91	0.99	1.01	1.04
9	1210	Charlotte Street/Denton Street/Nelson Bridge	0.90	0.84	0.82	0.72	0.92	0.74	0.95	0.88
10	1250	Shaddongate/Junction Street	0.65	0.72	0.85	0.85	0.88	0.89	0.91	0.94
11	1280	Bridge Street/Shaddongate/Bridge Lane	0.98	0.96	0.95	0.98	1.00	0.99	1.01	1.00
12	1285	Church Street/John Street/Sainsburys	0.79	1.38	0.69	0.82	0.77	0.88	0.86	0.98
13	1290	Wigton Road/Caldcoates roundabout	0.56	0.71	0.68	0.87	0.77	0.95	0.87	1.00
14	1330	Victoria Place/Hartington Place	0.50	0.63	0.79	0.97	0.96	0.91	0.94	0.97
15	1400	Botchergate/Tait Street	0.78	0.95	0.77	0.90	0.81	0.89	0.86	0.99
16	1405	Botchergate/Crown Street	0.88	0.90	0.93	0.89	0.95	0.92	0.94	0.94
17	1410	Botchergate/Rydal Street	0.55	0.65	0.65	0.65	0.76	0.68	0.76	0.90
18	1420	Botchergate/St Nicholas Street	0.80	0.85	0.86	0.95	0.91	0.96	0.96	1.01
19	1490	James Street/Rome Street/Water Street	0.63	0.61	0.83	0.75	0.88	0.83	0.93	0.83
20	1500	Currock Road/Crown Street	0.55	0.66	0.73	0.80	0.76	0.85	0.83	0.97
21	2000	Stanwix Bank/Brampton Road	0.64	0.83	0.77	0.93	0.84	0.98	0.85	1.00
22	2010	Scotland Road/Etterby Street	0.91	0.92	0.90	0.94	0.93	1.01	0.91	1.02
23	2040	Scotland Road/Knowefield Avenue	0.83	0.65	0.89	0.71	0.95	0.76	0.96	0.81
24	2070	Scotland Road/Briar Bank/Morrisons	0.57	0.64	0.68	0.79	0.75	0.85	0.77	0.86
25	2090	Kingstown Road/Windsor Way	0.46	0.52	0.80	0.62	1.17	0.64	1.22	0.67
26	2120	Kingstown Road/Newfield Drive	0.64	0.61	1.19	0.79	1.39	0.85	1.63	0.87
27	2130	Kingstown Road/Kingstown Broadway	0.59	0.67	0.68	0.86	0.75	0.90	0.80	0.94
28	2140	Kingstown Rd/Parkhouse Road	0.56	0.55	0.73	0.79	0.85	0.82	0.92	0.87
29	2250	Brampton Road/Houghton Road	0.50	0.30	0.76	0.55	0.89	0.69	0.95	0.92
30	2360	Kingstown Broadway/Brunthill Road	0.56	0.51	0.67	0.88	0.69	0.95	0.71	0.98
31	2420	M6 Junction 44/CNDR entry	0.66	0.88	0.45	0.78	0.49	0.94	0.56	0.95
32	2456	M6 Junction 44 Southbound on-slip	0.36	0.55	0.50	0.80	0.58	0.87	0.71	0.99
33	2464	M6 Junction 44 Northbound off-slip	0.47	0.40	0.66	0.55	0.74	0.62	0.94	0.77
34	2484	CNDR/Parkhouse Road roundabout	0.43	0.38	0.55	0.87	0.56	0.91	0.61	0.88
35	2520	CNDR/Kingmoor South roundabout	0.57	0.45	0.92	0.74	0.97	0.73	1.00	0.76
36	2530	CNDR/Kingmoor Bridge East roundabout	0.67	0.65	1.02	1.03	1.05	1.03	1.05	1.05
37	2540	CNDR/Kingmoor Bridge West roundabout	0.56	0.63	0.83	0.99	0.91	1.03	0.95	1.04
38	3020	Warwick Road/Greystone Road	0.84	0.74	0.94	0.91	0.97	0.92	1.01	0.96
39	3030	Warwick Road/Walkmill Crescent	0.61	0.58	0.81	0.71	0.97	0.80	1.30	0.87
40	3040	Warwick Road/Victoria Road	0.53	0.49	0.69	0.62	0.92	0.65	0.92	0.70
41	3050	Warwick Road/Eastern Way	0.93	0.96	1.01	1.00	1.02	0.91	1.03	0.87
42	3060	Warwick Road/Montgomery Way/Tesco	0.91	0.97	0.91	1.00	0.96	1.03	0.95	1.04
43	3080	London Road/Brook Street/St Nicholas Retail Park	0.61	0.71	0.74	0.73	0.81	0.78	0.84	0.94
44	3110	London Road/B&Q (London Road Retail Park)	0.75	1.29	0.83	0.82	0.91	0.83	0.95	0.87
45	3130	London Road/Eastern Way	0.79	0.63	0.85	0.68	0.93	0.71	1.00	0.73
46	3320	Eastern Way/Arnside Road	0.67	0.32	0.80	0.45	0.87	0.59	0.94	0.71
47	3650	M6 Junction 42/M6 SB entry	0.19	0.29	0.27	0.55	0.32	0.61	0.58	0.95
48	3670	M6 Junction 42/A6 (S) entry	0.54	0.44	0.71	0.66	0.77	0.74	1.09	1.10
49	3690	M6 Junction 42/Newbiggin Road entry	0.27	0.22	0.44	0.43	0.51	0.53	0.86	0.93
50	4010	Blackwell Road/Currock Road	0.52	0.34	0.71	0.42	0.69	0.40	0.82	0.63
51	4030	Currock Road/Beaconsfield Street	0.60	0.42	0.85	0.73	0.92	0.78	0.98	0.82
52	4060	Blackwell Road/Boundary Road/Beaconsfield Street	0.33	0.67	0.49	0.83	0.52	0.83	0.73	1.00
53	4140	Upperby Road/Kirklands Road	0.40	0.49	0.60	0.59	0.70	0.62	0.94	0.81
54	4150	Upperby Road/St Ninian's Road	0.53	0.66	0.68	0.86	0.77	0.90	1.00	1.06
55	5010	Wigton Road/Stanhope Road	0.85	0.62	0.88	0.77	0.89	0.84	0.92	0.85
56	5020	Wigton Road/Peel Street	0.44	0.82	0.49	0.97	0.59	0.97	0.63	0.97
57	5030	Wigton Road/Bower Street	0.62	0.65	0.64	0.87	0.73	0.93	0.80	0.96
58	5040	Wigton Road/Bassenthwaite Street	0.72	0.59	0.78	0.69	0.85	0.71	0.93	0.69
59	5050	Wigton Road/Ullswater Road	0.61	0.52	0.65	0.59	0.88	0.61	0.95	0.65
60	5065	Wigton Road/Orton Road	0.79	0.70	0.82	0.70	0.98	0.81	1.00	0.87
61	5120	CNDR/Wigton Road roundabout	0.69	0.57	1.02	0.85	1.03	0.95	1.04	1.00
62	5130	Dalston Road/Stanhope Road	0.58	0.68	0.85	0.84	0.84	0.83	0.89	0.86
63	5140	Dalston Road/Nelson Street	0.80	0.74	0.93	0.84	0.97	0.91	0.98	0.90
64	5150	Dalston Road/Bedford Road	0.45	0.67	0.78	0.87	0.79	0.93	0.84	0.94
65	5170	Dalston Road/Percy Road	0.46	0.36	0.76	0.78	0.84	0.90	0.83	0.93
66	6020	Newtown Road/Infirmary Road	0.78	0.78	0.93	1.04	0.94	1.09	0.96	1.22
67	6040	Newtown Road/Bower Street	0.83	0.49	0.99	0.60	0.97	0.64	0.99	0.66
68	6050	Newtown Road/Raffles Avenue	0.36	0.42	0.68	0.50	0.85	0.53	0.95	0.55
69	6100	CNDR/Burgh Road roundabout	0.51	0.57	0.87	0.97	0.91	0.96	0.95	0.99
70	6140	CNDR/Moorhouse Road roundabout	0.52	0.50	0.91	0.94	1.00	1.00	1.01	1.02
71	7480	Durdar Road/Newbiggin Road	0.67	0.54	1.01	1.02	1.05	1.05	1.10	1.11
72	7495	Newbiggin Road/Brisco Road	0.21	0.21	0.45	0.53	0.58	0.63	0.92	1.01
Total number of junctions approaching capacity (0.9 < RFC < 1.00):			6	6	12	13	25	20	31	29
Total number of junctions over capacity (RFC > 1.00):			0	2	5	5	6	7	15	15



Carlisle Local Plan Transport Modelling Results  
Table C1: Forecast junction performance

Junction performance: Ratio of Flow to Capacity (RFC)			Junction Improvements				Sustainable Improvements			
Scenario:			2025 Local Plan		2030 Local Plan		2025 Local Plan		2030 Local Plan	
Ref	Node	Junction	AM	PM	AM	PM	AM	PM	AM	PM
1	1010	Botchergate/The Crescent	0.70	0.80	0.86	0.93	0.62	0.77	0.80	0.85
2	1065	Lowther Street/Drovers Lane	0.56	0.83	0.73	0.88	0.50	0.77	0.68	0.87
3	1070	Drovers Lane/Rickergate	0.41	0.62	0.51	0.68	0.37	0.60	0.51	0.67
4	1120	Hardwicke Circus/Eden Bridge entry	0.72	0.59	0.77	0.66	0.70	0.57	0.73	0.62
5	1140	Hardwicke Circus/Georgian Way entry	0.63	0.74	0.67	0.79	0.60	0.71	0.64	0.74
6	1150	Georgian Way/Victoria Place	0.80	0.84	0.82	0.90	0.76	0.81	0.81	0.84
7	1190	Victoria Viaduct/West Walls/Bush Brow	0.45	0.75	0.48	0.85	0.42	0.77	0.45	0.86
8	1200	James Street/Victoria Viaduct/Nelson Bridge	0.72	0.90	0.81	0.96	0.70	0.87	0.79	0.94
9	1210	Charlotte Street/Denton Street/Nelson Bridge	0.92	0.80	0.97	0.87	0.85	0.73	0.92	0.82
10	1250	Shaddongate/Junction Street	0.88	0.90	0.94	0.93	0.86	0.89	0.89	0.91
11	1280	Bridge Street/Shaddongate/Bridge Lane	0.98	0.98	1.01	1.00	0.96	0.96	0.99	0.99
12	1285	Church Street/John Street/Sainsburys	0.76	0.88	0.84	0.96	0.70	0.85	0.77	0.91
13	1290	Wigton Road/Caldcoates roundabout	0.75	0.95	0.86	1.00	0.69	0.90	0.78	0.95
14	1330	Victoria Place/Hartington Place	0.96	0.94	0.96	0.97	0.96	0.94	0.91	0.95
15	1400	Botchergate/Tait Street	0.75	0.85	0.87	0.94	0.70	0.83	0.85	0.90
16	1405	Botchergate/Crown Street	0.73	0.88	0.89	0.91	0.70	0.87	0.84	0.90
17	1410	Botchergate/Rydal Street	0.74	0.74	0.71	0.86	0.73	0.71	0.74	0.77
18	1420	Botchergate/St Nicholas Street	0.89	0.97	0.93	1.00	0.86	0.95	0.92	0.98
19	1490	James Street/Rome Street/Water Street	0.79	0.92	0.91	1.01	0.77	0.88	0.87	1.00
20	1500	Currock Road/Crown Street	0.66	0.75	0.80	0.87	0.63	0.73	0.76	0.84
21	2000	Stanwix Bank/Brampton Road	0.83	0.96	0.85	1.00	0.78	0.93	0.81	0.96
22	2010	Scotland Road/Etterby Street	0.91	1.00	0.93	1.06	0.89	0.98	0.91	1.00
23	2040	Scotland Road/Knowefield Avenue	0.92	0.72	0.93	0.75	0.89	0.70	0.90	0.72
24	2070	Scotland Road/Briar Bank/Morrisons	0.74	0.80	0.75	0.82	0.70	0.81	0.72	0.80
25	2090	Kingstown Road/Windsor Way	1.15	0.63	1.26	0.66	0.83	0.60	1.11	0.63
26	2120	Kingstown Road/Newfield Drive	1.38	0.82	1.63	0.87	1.15	0.78	1.35	0.82
27	2130	Kingstown Road/Kingstown Broadway	0.73	0.90	0.78	0.92	0.68	0.87	0.72	0.89
28	2140	Kingstown Rd/Parkhouse Road	0.83	0.81	0.91	0.85	0.76	0.76	0.83	0.82
29	2250	Brampton Road/Houghton Road	0.83	0.60	0.92	0.86	0.73	0.47	0.80	0.62
30	2360	Kingstown Broadway/Brunthill Road	0.68	0.92	0.69	0.97	0.67	0.92	0.67	0.93
31	2420	M6 Junction 44/CNDR entry	0.49	0.94	0.55	0.95	0.47	0.86	0.52	0.94
32	2456	M6 Junction 44 Southbound on-slip	0.60	0.89	0.70	1.00	0.56	0.84	0.65	0.97
33	2464	M6 Junction 44 Northbound off-slip	0.71	0.59	0.88	0.73	0.66	0.54	0.83	0.68
34	2484	CNDR/Parkhouse Road roundabout	0.54	0.91	0.58	0.91	0.53	0.90	0.57	0.87
35	2520	CNDR/Kingmoor South roundabout	0.97	0.74	1.00	0.79	0.93	0.74	0.96	0.75
36	2530	CNDR/Kingmoor Bridge East roundabout	1.05	1.04	1.06	1.05	1.03	1.03	1.04	1.04
37	2540	CNDR/Kingmoor Bridge West roundabout	0.89	1.01	0.93	1.02	0.87	0.99	0.89	1.01
38	3020	Warwick Road/Greystone Road	1.01	0.98	1.04	1.01	1.00	0.96	1.02	0.99
39	3030	Warwick Road/Walkmill Crescent	1.28	0.80	0.89	0.86	1.02	0.77	1.32	0.81
40	3040	Warwick Road/Victoria Road	0.86	0.76	0.92	0.82	0.81	0.67	0.91	0.74
41	3050	Warwick Road/Eastern Way	0.95	0.92	0.96	0.91	0.94	0.90	0.95	0.90
42	3060	Warwick Road/Montgomery Way/Tesco	0.82	1.01	0.83	1.01	0.77	1.01	0.80	1.01
43	3080	London Road/Brook Street/St Nicholas Retail Park	0.79	0.81	0.82	0.88	0.78	0.79	0.80	0.85
44	3110	London Road/B&Q (London Road Retail Park)	0.89	0.90	0.93	0.94	0.85	0.87	0.91	0.92
45	3130	London Road/Eastern Way	0.93	0.76	0.94	0.82	0.91	0.72	0.92	0.77
46	3320	Eastern Way/Arnside Road	0.81	0.56	0.92	0.64	0.77	0.50	0.85	0.56
47	3650	M6 Junction 42/M6 SB entry	0.31	0.58	0.57	0.93	0.28	0.51	0.49	0.81
48	3670	M6 Junction 42/A6 (S) entry	0.78	0.72	1.11	1.09	0.70	0.62	0.99	0.91
49	3690	M6 Junction 42/Newbiggin Road entry	0.46	0.45	0.78	0.86	0.40	0.39	0.71	0.74
50	4010	Blackwell Road/Currock Road	0.73	0.47	0.98	0.63	0.69	0.46	0.93	0.61
51	4030	Currock Road/Beaconsfield Street	0.91	0.67	0.95	0.81	0.84	0.57	0.95	0.80
52	4060	Blackwell Road/Boundary Road/Beaconsfield Street	0.52	0.68	0.81	0.92	0.47	0.63	0.71	0.87
53	4140	Upperby Road/Kirklands Road	0.62	0.56	0.93	0.73	0.56	0.50	0.83	0.67
54	4150	Upperby Road/St Ninian's Road	0.61	0.81	0.79	0.92	0.55	0.74	0.73	0.88
55	5010	Wigton Road/Stanhope Road	0.92	0.82	0.92	0.85	0.86	0.78	0.90	0.81
56	5020	Wigton Road/Peel Street	0.59	0.96	0.62	0.95	0.53	0.96	0.57	0.97
57	5030	Wigton Road/Bower Street	0.71	0.93	0.81	0.96	0.68	0.90	0.77	0.95
58	5040	Wigton Road/Bassenthwaite Street	0.89	0.70	0.93	0.70	0.80	0.71	0.86	0.70
59	5050	Wigton Road/Ullswater Road	0.83	0.62	0.95	0.63	0.74	0.61	0.88	0.61
60	5065	Wigton Road/Orton Road	0.98	0.82	1.00	0.88	0.91	0.73	0.94	0.82
61	5120	CNDR/Wigton Road roundabout	1.02	0.94	1.04	1.00	1.02	0.90	1.02	0.97
62	5130	Dalston Road/Stanhope Road	0.90	0.81	0.89	0.85	0.85	0.84	0.90	0.81
63	5140	Dalston Road/Nelson Street	0.98	0.88	0.99	0.88	0.95	0.86	0.98	0.86
64	5150	Dalston Road/Bedford Road	0.85	0.93	0.87	0.96	0.80	0.91	0.84	0.94
65	5170	Dalston Road/Percy Road	0.89	0.89	0.88	0.89	0.85	0.87	0.87	0.89
66	6020	Newtown Road/Infirmary Road	0.94	1.09	0.97	1.21	0.90	0.98	0.95	1.08
67	6040	Newtown Road/Bower Street	0.96	0.64	0.98	0.68	0.96	0.60	0.97	0.66
68	6050	Newtown Road/Raffles Avenue	0.87	0.53	0.97	0.56	0.65	0.50	0.85	0.55
69	6100	CNDR/Burgh Road roundabout	0.88	0.94	0.93	0.98	0.85	0.92	0.88	0.95
70	6140	CNDR/Moorhouse Road roundabout	1.00	1.01	1.01	1.02	0.96	0.97	1.00	1.01
71	7480	Durdar Road/Newbiggin Road	0.87	0.89	1.05	1.04	0.82	0.84	1.02	1.04
72	7495	Newbiggin Road/Brisco Road	0.48	0.47	0.93	0.88	0.43	0.38	0.79	0.77
Total number of junctions approaching capacity (0.9 < RFC < 1.00):			15	19	27	25	10	15	17	21
Total number of junctions over capacity (RFC > 1.00):			7	5	11	12	5	2	8	7





Cumbria County Council  
Parkhouse Building  
Kingmoor Business Park  
Carlisle  
CA6 4SJ

Carlisle Local Plan Transport Modelling Report  
Forecast Junction Performance – Base Network

Figure C1





