

# **Trips and Parking Related to Land Use**

## **Volume 2: Trip and Parking Surveys Database**

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## **AN IMPORTANT NOTE FOR THE READER**

The research detailed in this report was commissioned by Transfund New Zealand.

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**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description		GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/ 100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
265	CCC	Christchurch	St Albans	Beulah Church - Springfield Road	Assembly	Church	576	seating capacity 400 seats, congregation 118 (incl children)			40		1100	6.9	0.3	
266	CCC	Christchurch	St Albans	Beulah Church - Springfield Road	Assembly	Church	576	seating capacity 400 seats, congregation 85 (incl children)			38		1930	6.6	0.4	
267	CCC	Christchurch	St Albans	Beulah Church - Springfield Road	Assembly	Church	576	seating capacity 400 seats, congregation 140 (incl children)			55		1100	9.5	0.4	
268	CCC	Christchurch	St Albans	Beulah Church - Springfield Road	Assembly	Church	576	seating capacity 400 seats, congregation 86 (incl children)			48		1930	8.3	0.6	
269	CCC	Christchurch	St Albans	Beulah Church - Springfield Road	Assembly	Church	576	seating capacity 400 seats, congregation 127 (incl children)			59		1100	10.2	0.5	
270	CCC	Christchurch	St Albans	Beulah Church - Springfield Road	Assembly	Church	576	seating capacity 400 seats, congregation 102 (incl children)			49		1930	8.5	0.5	
317	CCC(TPC)	North Shore	Takapuna	Takapuna Methodist Church	Assembly	Church	300	Seating Area 217m2, Seating Capacity 336 pp, Attendance 154			71		1030	23.7	2.1	per 10seats avail
318	CCC(TPC)	North Shore	Takapuna	Takapuna Catholic Church	Assembly	Church	595	Seating Area 466m2, Seating Capacity 500 pp, Attendance 326			146		1030	24.5	2.9	per 10seats avail
319	CCC(TPC)	North Shore	Takapuna	Takapuna Anglican Church	Assembly	Church	393	Seating Area 270m2, Seating Capacity 347 pp, Attendance 154			61		1030	15.5	1.7	per 10seats avail
320	CCC(TPC)	North Shore	Northcote	Northcote Presbyterian Church	Assembly	Church	124	Seating Area 113m2, Seating Capacity 150 pp, Attendance 87			38		1030	30.6	2.5	per 10seats avail
321	CCC(TPC)	Auckland	Northcote	Northcote Anglican Church	Assembly	Church	208	Seating Area 168m2, Seating Capacity 133 pp, Attendance 67			32		1030	15.4	2.4	per 10seats avail
322	CCC(TPC)	Auckland	Northcote	Northcote Methodist Church	Assembly	Church	151	Seating Area 119 m2, Seating Capacity 122 pp, Attendance 47			20		1030	13.2	1.6	per 10seats avail
323	CCC(TPC)	North Shore	Devonport	Devonport Anglican Church	Assembly	Church	362	Seating Area 264 m2, Seating Capacity 331 pp, Attendance 139			69		1030	19.1	2.1	per 10seats avail
324	CCC(TPC)	North Shore	Milford	Milford Baptist Church	Assembly	Church	258	Seating Area 195 m2, Seating Capacity 298 pp, Attendance 130			99		1030	38.4	3.3	per 10seats avail
325	CCC(TPC)	North Shore	Belmont	Belmont Baptist Church	Assembly	Church	196	Seating Area 149 m2, Seating Capacity 182 pp, Attendance 45			45		1030	23.0	2.5	per 10seats avail
326	CCC(TPC)	North Shore	Campbells Bay	Campbells Anglican Church	Assembly	Church	108	Seating Area 88 m2, Seating Capacity 101 pp, Attendance 40			24		1030	22.2	2.4	per 10seats avail
327	CCC(TPC)	North Shore	East Coast Bays	ECB Catholic Church	Assembly	Church	451	Seating Area 366 m2, Seating Capacity 467 pp, Attendance 316			109		1030	24.2	2.3	per 10seats avail

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY		
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time								
265	40	40	80	1000-1100									13.9			0.66			occupied seat	
266					38	38	76	1900-2000						13.2			0.89		occupied seat	
267	55	55	110	1000-1100									19.1			0.79			occupied seat	
268					48	48	96	1900-2000						16.7			1.12		occupied seat	
269	59	59	118	1000-1100									20.5			0.93			occupied seat	
270					49	49	98	1900-2000						17.0			0.96		occupied seat	
317																				
318																				
319																				
320																				
321																				
322																				
323																				
324																				
325																				
326																				
327																				

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description			GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/ 100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
328	CCC(TPC)	North Shore	Manly	Manly Methodist Church	Assembly	Church		120	Seating Area 90 m2, Seating Capacity 120 pp, Attendance 68			33		1030	27.5	2.8	per 10seats avail
329	CCC(TPC)	North Shore	Orewa	Orewa Catholic Church	Assembly	Church		165	Seating Area 165 m2, Seating Capacity 179 pp, Attendance 184			56		1030	33.9	3.1	per 10seats avail
330	CCC(TPC)	North Shore	Orewa	Orewa Anglican Church	Assembly	Church		74	Seating Area 52 m2, Seating Capacity 96 pp, Attendance 40			18		1030	24.3	1.9	per 10seats avail
331	CCC(TPC)	North Shore	Orewa	Orewa Presbyterian Church	Assembly	Church		142	Seating Area 128 m2, Seating Capacity 113 pp, Attendance 65			16		1030	11.3	1.4	per 10seats avail
332	CCC(TPC)	North Shore	Orewa	Orewa Baptist Church	Assembly	Church		123	Seating Area 104 m2, Seating Capacity 210 pp, Attendance 235			80		1030	65.0	3.8	per 10seats avail
333	CCC(TPC)	North Shore	Whangaparaoa	Whanagaparaoa Presbyterian Church	Assembly	Church		66	Seating Area 55 m2, Seating Capacity 96 pp, Attendance 71 pp			39		1030	59.1	4.1	per 10seats avail
35	ATLA Study	Manakau	Lakewood	Village 6 Manakau	Assembly	Cinema		2926	1298 seats	447		506		2030	17.4	3.9	per 10 seats
41	ATLA Study	Waitakere	New Lynn	Village 8 New Lynn	Assembly	Cinema		3674	1960 seats	700		296		2130	6.1	1.5	per 10 seats
93	ATLA Study	North Shore	Glenfield	Village Cinemas	Assembly	Cinema		2376	34 employees	291		279		1730	11.7		
65	ATLA Study	Auckland	Penrose	BNZ Great South Rd	Commercial	Bank		650	18 employees	39		26		1345	4.0		
34	ATLA Study	Waitakere	Henderson	Social Welfare/CYPS	Commercial	Office	CBD	4032	180 employees	127		129		0915	3.2		
3	ATLA Study	Auckland	Central Pk	Central Park Offices	Commercial	Office	Park	49110									
17	ATLA Study	Auckland	Central Pk	Central Park Offices	Commercial	Office	Park	491100									
69	ATLA Study	Auckland	Ellerslie	Greenlane Office Park (south)	Commercial	Office	Park	8384	267 employees	247		204		0915	2.4		
87	ATLA Study	Auckland	Greenlane	Greenlane Office Park	Commercial	Office	Park	6855	256 employees	206		147		1430	2.1		
151	TDG	Auckland	Greenlane	Greenlane Office Park, 300-308 Great South Road	Commercial	Office	Park	7850									
152	TDG	Auckland	Greenlane	Greenlane Office Park, 300-308 Great South Road	Commercial	Office	Park	7850									
33	ATLA Study	North Shore	Lake	Kircaldy Architects	Commercial	Office	Suburban	120	2 employees	4		4		0800	3.3		
39	ATLA Study	Manakau	Bucklands	Kindercare Learning Centre	Education	Preschool		310		28		20		0915	6.5		
45	ATLA Study	Manakau	Manurewa	Childrens World	Education	Preschool		311	16 employees	17		10		1615	3.2		
74	ATLA Study	Auckland	Hillsborough	Hillsborough Kindergarten	Education	Preschool		170	2 fulltime, 1 part-time employees	21		14		1130	6.2		
94	ATLA Study	Manakau	Manurewa	Kohanga Rec	Education	Preschool		262	6 employees	6		10		1445	3.8		
138	TDG	Auckland	New Lynn	Kids in Action- Rankin Ave	Education	Preschool		605									
139	TDG	Auckland	New Lynn	Kids in Action- Rankin Ave	Education	Preschool		605									
140	TDG	Manakau	Pakuranga	TinyTown - Reeves Road	Education	Preschool			80 children, 12 staff								
340	UoA	Auckland	City	Kindercare Swanson St/Albert St	Education	Preschool		250	42 children on roll, 10 employees	nil		4		845	1.6	0.10	enrolled child
341	UoA	North Shore	Westlake	Kindercare Shakespeare Rd	Education	Preschool		250	70 children on roll, 20 employees	15		18		1700	7.2	0.26	enrolled child

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY		
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time								
328																				
329																				
330																				
331																				
332																				
333																				
35	370	437	807		111	112	223	2030-2130	1958	1409	3367	0900-1930	27.6	7.6	115.1					
41					167	135	302		1002	706	1706	1600-2200		8.2	46.5					
93					324	236	562		1061	780	1851	1015-1800		23.7	77.9					
65					37	44	81		323	313	636	0900-1700		12.5	97.6					
34					72	72	144		655	600	1255	0900-1700		3.6	31.1					"Benefit Day"
3	460	103	563		187	519	706						1.1	1.4						
17	814	255	1069		256	738	994						0.2	0.2						
69	159	32	191		22	82	104		557	492	1049	0800-1800	2.3	1.2	12.5					
87	121	27	148		29	81	110		535	474	1009	0800-1730	2.2	1.6	14.7					
151	131	25	156	0800-0900	44	112	156	1615-1715					2.0	2.0						
152	8	10	18	1130-1230									0.2							
33	3	1	4		1	3	4		12	12	24	0800-1700	3.3	3.3	20.0					Average of three days
39	41	30	71		18	22	40		175	170	345	0745-1715	22.9	12.9	111.3					
45	37	33	70		18	21	39		191	189	380	0700-1800	22.5	12.5	122.2					
74	25	25	50		23	23	46	1430-1530	95	94	189	0830-1530	29.4	27.1	111.2					
94	19	18	37		12	11	23	1430-1530	36	30	66	0730-1700	14.1	8.8	25.2					
138					14	18	32	1500-1600	110	103	213	0900-1900		5.3	35.2					"Daily" = period of survey (10hr)
139					19	21	40	1300-1400	138	133	271	0900-1900		6.6	44.8					"Daily" = period of survey (10hr), PM peak 1300-1400
140	36	32	68	0730-0830	26	30	56	1700-1800					8.5/10 children	8.5/10 children						Peak AM 15min : 12 arrivals, Peak PM 15min : 11 arrivals, 94% children arrive by car, 6% children arrive on foot
340	21	17	38	0745-0845	20	20	40	1600-1700					15.2	16.0		0.90	0.95		enrolled child	
341	55	53	108	0745-0845	44	51	95	1600-1700					43.2	38.0		1.54	1.36		enrolled child	

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description		GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Of site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/ 100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
342	UoA	Auckland	Greenlane	Kindercare Greenlane Rd East	Education	Preschool	600	38 children on roll, 15 employees	7		7		1300	1.2	0.18	enrolled child
343	UoA	Auckland	Three Kings	Kindercare Shackleton Rd	Education	Preschool	250	50 children on roll, 10 employees	4		6		1700	2.4	0.12	enrolled child
344	UoA	Auckland	Mount Roskill	Child Play Unlimited Hillsborough Road	Education	Preschool	250	38 children on roll, 6 employees	nil		6		1700	2.4	0.16	enrolled child
345	UoA	Auckland	Mount Wellington	Tiny Town - Motu Pl/Harwood Rd	Education	Preschool	450	100 children on roll, 18 employees	7		4		845	0.9	0.04	enrolled child
346	UoA	Auckland	Otahuhu	Tiny Town - Mason Ave	Education	Preschool	400	66 children on roll, 10 employees	nil		7		845	1.8	0.11	enrolled child
347	UoA	Auckland	Grey Lynn	Montessori Pre-School, Richmond Road	Education	Preschool	130	25 children on roll, 6 employees	2		7		1300	5.4	0.28	enrolled child
348	UoA	Auckland	Ellerslie	Strawberry Fields Ascol Ave	Education	Preschool	160	39 children on roll, 10 employees	9		8		1700	5.0	0.21	enrolled child
349	UoA	Auckland	Sandringham	Balmoral Kiddi Care Centre, Gorina Road	Education	Preschool	150	25 children on roll, 4 employees	1		3		1700	2.0	0.12	enrolled child
350	UoA	Auckland	Kingsland	Eden Epsom Community Centre, Bellwood Ave	Education	Preschool	237	34 children on roll, 8 employees	nil		2		1700	0.8	0.06	enrolled child
351	UoA	Auckland	Mt Eden	Day Star Child Care Centre, View Road	Education	Preschool	200	25 children on roll, 5 employees	4		4		1700	2.0	0.16	enrolled child
352	UoA	Auckland	Mt Albert	Minimarc Child Care Centre, Mt Albert Road	Education	Preschool	220	26 children on roll, 7 employees	4		3		1700	1.4	0.12	enrolled child
353	UoA	Auckland	Mt Albert	Bright Beginnings, Waikere Ave	Education	Preschool	154	15 children on roll, 6 employees	nil		5		845	3.2	0.33	enrolled child
354	UoA	Auckland	Blockhouse Bay	Child Care Plus, Portage Road	Education	Preschool	140	20 children on roll, 4 employees	3		3		1300	2.1	0.15	enrolled child
355	UoA	Auckland	Avondale	Sunshine Child Care, Canal Road	Education	Preschool	190	25 children on roll, 4 employees	5		4		1700	2.1	0.16	enrolled child
89	ATLA Study	Auckland	Hillsborough	Hillsborough Primary School	Education	Primary	1410	21 employees 290 students	59		88		1445	6.2		
142	TDG	Nelson	Richmond	Henley Primary School	Education	Primary		480 pupils, 20 full-time staff								
239	MD	Christchurch	St Martins	St Martins School	Education	Primary	1538	610 pupils, 1.78 ha., 28 classrooms, 44 teachers+staff	19	100	19	125	1200	9.4	2.4	per 10 pupils
4	ATLA Study	Manakau	St Kentigens	St Kentigens College	Education	Secondary	1370	106 rooms 120 employees 1030 students	230		52		1530	3.8		
63	ATLA Study	Rodney	Orewa	Orewa College	Education	Secondary	5900	110 employees 1200 students	72		90		1015	1.5		
118	MD	Wanganui	Springvale	High School	Education	Secondary	5000	12 ha., 1500 pupils	100	90	62	54	1200	2.3	0.8	per 10 pupils
119	MD	Wanganui	Wanganui East	Wanganui East Girls College	Education	Secondary	4000	4 ha., 1200 pupils	30	65	20	36		1.4	0.5	per 10 pupils
416	Gabites Porter	Tauranga		Tauranga College	Education	Secondary		1400 pupils			210				0.15	pupil
453	MD	Porirua	CRD	Polytech	Education	Tertiary	6200	6.2 ha, 2000 EFTS	210	170	184	136	1200	5.16	0.16	FTES
92	ATLA Study	Auckland	Takanini	Skills Update Centre	Education	Tertiary	1890	6 employees 50 students	6		5		1000	0.3		
95	ATLA Study	Auckland	Mt Albert	Carrington Polytechnic	Education	Tertiary	65312	600 employees 5500 students	1835		1665		1015	2.5		
169	TDG	Christchurch	Ilam	University of Canterbury	Education	Tertiary		9612 undergrads, 1286 postgrad, 1500 permanent staff			1380		1130			
260	CCC/Opus	Christchurch	Ilam	University of Canterbury	Education	Tertiary		700 general staff, 480 academic staff, 10930 enrolled students (10180 EFTS)	713 staff, 1299 student	approx 1100	1913	858			2.72 spaces/10 EFTS	
261	CCC(Opus)	Christchurch	Ilam	University of Canterbury	Education	Tertiary		1100 staff, 11000 students	713 staff, 1299 student	approx 1100	1913	1117			2.97 spaces/10 EFTS	

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY		
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time								
342	24	23	47	0745-0845	27	26	53	1600-1700					7.8	8.8		1.24	1.39		enrolled child	
343	21	20	41	0745-0845	19	22	41	1600-1700					16.4	16.4		0.82	0.82		enrolled child	
344	24	19	43	0745-0845	16	17	33	1600-1700					17.2	13.2		1.13	0.87		enrolled child	
345	19	22	41	0745-0845	23	21	44	1600-1700					9.1	9.8		0.41	0.44		enrolled child	
346	24	22	46	0745-0845	14	16	30	1600-1700					11.5	7.5		0.70	0.45		enrolled child	
347	26	23	49	0745-0845	36	36	72	1200-1300					37.7	55.4		1.96	2.88		enrolled child	
348	27	24	51	0745-0845	22	27	49	1600-1700					31.9	30.6		1.31	1.26		enrolled child	
349	14	11	25	0745-0845	15	15	30	1600-1700					16.7	20.0		1.00	1.20		enrolled child	
350	11	11	22	0745-0845	11	17	28	1600-1700					9.3	11.8		0.65	0.82		enrolled child	
351	19	19	38	0745-0845	18	17	35	1600-1700					19.0	17.5		1.52	1.40		enrolled child	
352	17	10	27	0745-0845	11	16	27	1600-1700					12.3	12.3		1.04	1.04		enrolled child	
353	17	17	34	0745-0845	16	14	30	1600-1700					22.1	19.5		2.27	2.00		enrolled child	
354	9	7	16	0745-0845	8	9	17	1600-1700					11.4	12.1		0.80	0.85		enrolled child	
355	8	6	14	0745-0845	8	9	17	1600-1700					7.4	8.9		0.56	0.68		enrolled child	
89	116	99	215		109	121	230	1430-1530	243	231	474	0815-1530	15.2	16.3	33.6					
142	172	128	300	0800-0900	112	111	223	1445-1545					6.3/10 children	4.6/10 children						
239	210	180	390	0820-0850 (30min)	169	203	372	1445-1530 (45min)	379	383	762	0820-0850, 14445-1530 (75min)	25.4	24.2	49.5	6.4	6.1	12.5	per 10 pupils Sports event at school, average 1.4 pupils/car (am) and 1.6 pupils/car (pm). Pupil Mode : 46% passenger, 37% walk, 15% cycle, 1.5% bus	
4	94	63	157		53	41	94	1500-1600	213	171	384	0800-1600	11.5	6.9	28.0					
63	86	20	106		20	81	101		195	171	366	0800-1600	1.8	1.7	6.2					
118																				Floor area taken from aerial photo
119																				Floor area taken from aerial photo
416																				Parking measured during School Holidays and during School time. Difference is the demand. Also 15 buses and 150 cyclists.
453																				150 staff, train/walk mode split 30%??
92	3	2	5						17	16	33	0800-1600	0.3		1.7					
95	1068	183	1251		342	763	1105		4425	4035	8460	0745-1700	1.9	1.7	13.0					
169	1195	180	1375	815-915	305	380	685	1615-1715												
260																				Fine day
261																				Wet weather

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description			GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
262	CCC(Opus)	Christchurch	Ilam	University of Canterbury	Education	Tertiary						1088					
263	CCC(Opus)	Christchurch	Ilam	University of Canterbury	Education	Tertiary						1003					
264	CCC(Opus)	Christchurch	Ilam	University of Canterbury	Education	Tertiary						1013					
418	Gabites Porter	Hamilton		Waikato Polytechnic	Education	Tertiary	40411	2200 students est.	520	CBD area				2.9			
359	Transplan	Wellington	Te Aro	Martin Square	Industry	Contractor	11000	22600m2 SA	480	20	500			4.5			
11	ATLA Study	Manakau	Wiri Station Rd	Industrial Units Wiri Stn Rd	Industry	Manufacture	1617		40		34		1000	2.1			
13	ATLA Study	Manakau	East Tarnaki	Cnr Springs/Smales Rd East	Industry	Manufacture	2956	44 employees	91		112		1545	3.8			
86	ATLA Study	Rodney	Silverdale	Silverdale Industrial Units	Industry	Manufacture	4127	36 employees	17		17		1415	0.4			
150	TDG	Christchurch	Sockburn	Haytons/Wigram/Curtett's Industrial Area	Industry	Manufacture	625000										
448	MD	Porirua	Elsdon	Mitsubishi Motors	Industry	Manufacture	62000	25 ha.	700		264		12:00	0.85			
449	MD	Porirua	Elsdon	GEC	Industry	Manufacture	9600	2 ha.	130		108		12:00	1.13			
452	MD	Porirua	Elsdon	Grace Brothers	Industry	Manufacture	25000	4.8 ha.	82		92	44	12:00	0.54			
7	ATLA Study	Manakau	Favona	Distribution Centre	Industry	Storage	28153	132 employees	180		202		1030	0.8			
14	ATLA Study	Manakau	Kerr's	South Auckland Mail Centre	Industry	Storage	3550	120 employees	82		52		0945	1.5			
81	ATLA Study	Manakau	Gt South	ASB/Westpac Ind Stn Auck chq processing centre	Industry	Storage	3410	79 employees	112		68		1500	2.0			
115	Sam Shumane (ex NSCC)	North Shore	Albany	John Deady's	Industry	Storage	79600	20.6ha., 38% coverage									
6	ATLA Study	Manakau	Kolmar	Kolmar Rd Medical Centre	Medical	Centre	Large	715	12 full time 11 part time employees incl 3 diagnostic doctors	31		42	1430	5.9			
61	ATLA Study	North Shore	Mairangi B	Sunset Medical Centre	Medical	Centre	Large	2522	51 employees incl 14 doctors 4 dentists 1 pharmacist 1 physio	116		62	1145	2.5			
59	ATLA Study	Manakau	Takanini	Takanini Health Centre	Medical	Centre	Medium	483	10 employees (2 doctors 1 dentist 1 physio 1 pharmacist)	22		30	1515	6.2			
104	ATLA Study	Waikare	Henderson	Ratanui Medical Centre	Medical	Centre	Medium	556	10 employees								
147	TDG	Auckland	Remuera	MedLab, St Marks Rd	Medical	Centre	Medium	375	6 employees	11		7	0900	1.9			
148	TDG	Auckland	Remuera	Private Specialist Medical Consulting Rooms, St Marks Rd	Medical	Centre	Medium	250	6 consultants, 5 consulting rooms, 6 support staff	10		9	0930, 1100, 1200	3.6			
253	CCC	Christchurch	Bishopdale	Medical Centre	Medical	Centre	Small		2 GP's								
423	Gabites Porter	Hamilton		Dinsdale Medical Centre	Medical	Centre	Small										
2	ATLA Study	Manakau	Robertson	Mangere Hospital	Medical	Hospital	Large	19110	207 beds 354 employees 187 patients (on day of survey)	309		131	1500	0.7	0.6	per bed	
107	ATLA Study	Waikare	Waikare	Waikare Hospital	Medical	Hospital	Large	18847	651 employees	371		421	1400	2.2			
258	CCC	Christchurch	Hagley	Christchurch Public Hospital	Medical	Hospital	Large		428 beds (staff see below)			458	558	1430	2.37 spaces/bed		

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS				
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY						
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time												
262																								
263																								
264																								
418																								Interview survey. Total student population estimate leads to inaccuracies. I.e. could be up to 2.2 spaces/100m <sup>2</sup> GFA. Staff parking available separately.
359	130	160	290	1100-1200	70	190	260	1600-1700					2.6	2.4										Motor sales and services, service station, inner city, veh oriented uses
11	32	21	53		26	21	47	1500-1600	225	212	437	0800-1600	3.3	2.9	27.0									
13	20	13	33		95	83	178	1500-1600	617	534	1151	0800-1600	1.1	6.0	38.9									
86					29	26	55		178	165	343	0900-1600		1.3	8.3									
150	1140	690	1830	0745-0845	667	1157	1824	1630-1730					0.3	0.3										Site area includes yards and parking areas
448																								700 spaces staff 1@ 1/100m <sup>2</sup> plus 1000 car storage, Plant at 50% operation, data from aerial photo
449																								Based on aerial photo
452																								9 industries in one block, parking from aerial photo
7	123	34	157		19	25	44	1500-1600	345	300	645	0800-1600	0.6	0.2	2.5									
14	71	59	130		50	58	106	1500-1600	411	375	786	0800-1600	3.7	3.0	22.1									
81					66	64	130		548	510	1058	0900-1700		3.6	31.0									
115	762	184	946	0800-0900	291	776	1067	1600-1700			10593	24hr	1.2	1.3	13.3									New industry, Apollo Drive, No parking data
6	32	8	40		13	22	35	1500-1600	157	125	282	0800-1600	5.6	4.9	39.4									
61	60	24	84		61	67	128		503	454	957	0800-1700	3.3	5.1	37.9									
59					29	29	58		189	159	348	0900-1700		12.0	72.0									
104	42	29	71		35	35	70						12.8	12.6										40m <sup>2</sup> pharmacy
147	12	15	27	0900-1000					68	76	144	0800-1700	7.2		38.4	4.5/employee		24.0/employee						"Daily" = 0800-1700
148	23	18	41	0900-1000					72	75	147	0800-1700	16.4		58.8									"Daily" = 0800-1730
253	10	10	20	1100-1200	10	10	20	1600-1700	63	63	126	0800-1800					5		31	GP				Surveys show 85% by private car, 11% walk, 1% taxi, 1% bus, 1.8% cycle/scooter
423							30																	
2	41	41	82		48	39	87	1500-1600	368	266	634	0800-1600	0.4	0.5	3.3	0.4	0.4					per bed		
107																								
256																								General staff 2130, contract staff 200, outpatients 875/day, visitors 903/day, inpatients 366/day

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description			GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
					Medical	Hospital	Large										
259	CCC	Christchurch	Hagley	Christchurch Public Hospital	Medical	Hospital	Large		449 beds (staff see below)	675 (on five sep. sites)	377	574	301	1430	1.95 spaces/bed		
391	Transplan	Wellington	Crofton Downs	Bowen Hospital	Medical	Hospital	Large	6000	63 beds, 45 staff	79		77		1200	1.3	1.2	per bed
447	MD	Porirua	Kenepeuru	Kenepeuru Hospital	Medical	Hospital	Large	7600	90 beds	280		201		12:00	2.6	2.23	av. bed
146	TDG	Auckland	Epsom	Brightside Private Hospital	Medical	Hospital	Small		36 beds, 2 theatres, 20 staff (max on-site)	20		21		1430		0.6/avail. bed	
149	TDG	Auckland	Remuera	Auckland Surgical Centre, St Marks Rd	Medical	Hospital	Small	1037	2 theatres, 10 daybeds, 4 consulting suites, 1 xray suite, 13 FT staff, 19 PT staff	36		36		1630	3.5		
392	Transplan	Wellington	Newtown	Mary Potter Hospital, Main Street	Medical	Hospital	Small	3000	24 beds, 20 staff	42		35		1200	1.2	1.5	per bed
393	Transplan	Wellington	Newtown	Wakefield Hospital	Medical	Hospital	Small	4000	46 beds, 12 doctors, 50 staff	50		46		1500	1.2	1.0	per bed
394	TDG	Wellington	Newtown	Wellcare Hospital, Riddiford St	Medical	Hospital	Small	8000	70 beds, 24 doctors, 60 staff	103		101		1400	1.3	1.4	per bed
395	Transplan	Wellington	Newtown	Southern Cross Hanson Street	Medical	Hospital	Small	3800	45 beds, 9 doctors, 30 staff	56	77	54		1600	1.4	1.2	per bed
83	ATLA Study	Manakau	Manurewa	South Auck Veterinary Hospital	Medical	Veterinary		175	5 employees	6		7		1030	4.0		
422	Gabites Porter	Hamilton		Dinsdale Veterinary Services	Medical	Veterinary											
38	ATLA Study	Rodney	Brightside	Hibiscus Coast Leisure Centre	Recreation	Aquatic/Pool		3080	3 employees	119		66		830	2.1		
444	Transplan	Wellington	Oriental Bay	Freyberg Pool	Recreation	Aquatic/Pool		2400	pool, gym, 6000m2 SA	105							
85	ATLA Study	Auckland	Eilerslie	Golf Today	Recreation	Course			9 holes, 40 driving bays, pro shop	120		54		1615		1.4	per 100m2 site area
164	TDG	Wellington	Miramar	Miramar Golf Course	Recreation	Course			34.4ha, 18 hole course, members lounge (152 seats), 112 person course maximum	126	50	126	15	1230		141	18 holes
60	ATLA Study	Auckland	Karaka St	Heathlands Gym	Recreation	Gymnasium		1458	3 employees	56		48		1000	3.3		
96	ATLA Study	North Shore	Glenfield	Golds Gymnasium	Recreation	Gymnasium		724	3 employees	30		52		0845	7.2		
454	Transplan	Wellington	Kilbirnie	Evans Bay Marina	Recreation	Marina			145 berths	219		219		16:00	1.51		berth
455	BCHF	Auckland	Westhaven	Westhaven Marina	Recreation	Marina											
153	TDG	Tasman	Golden Bay	Baird Camping Ground, Pohara	Recreation	Other		40000	4ha								
437	Gabites Porter	Hamilton		Moore St Netball Courts	Recreation	Outdoor Courts			20 courts	320	100	460	102	2:40pm		26.8	court
31	ATLA Study	Rodney	Silverdale	Silverdale Ware Memorial Park	Recreation	Sports Field		2860		332		283		1345	9.6		
52	ATLA Study	Manakau	Mangere	Mangere Rovers Rugby Clubrooms	Recreation	Sports Field		901	3 employees (AM), 4 employees (PM)	74		85		1145	9.4		
55	ATLA Study	North Shore	Bay City	Bay City Park	Recreation	Sports Field		682	3 soccer fields	147		165		900	24.2	55.0	per field
117	MD	Wanganui	Springvale	Springvale Park	Recreation	Sports Field		5603	17.03ha., 1300 seats (covered)	310	250	310	50		6.4	2.6	per 10 seats
191	UoC	Christchurch	Ilam	Ilam Fields	Recreation	Sports Field				64	161	118	50	1450			
400	Gabites Porter	Auckland	Mt Eden	Eden Park	Recreation	Stadium			35000 spectators			5972				0.2	spectators
401	Gabites Porter	Hamilton	Hamilton	Rugby Park	Recreation	Stadium			23000 spectators			4200				0.2	spectators
402	Gabites Porter	Hamilton	Hamilton	Rugby Park	Recreation	Stadium			20000 spectators			3950				0.2	spectators
403	Gabites Porter	Wellington		Athletic Park	Recreation	Stadium			24500 spectators			4807				0.2	spectators

**PARKING DEMAND AND TRIP GENERATION SURVEY**

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	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY						
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time												
259																							General staff 2300, contract staff 70, outpatients 945/day, visitors 1069/day, inpatients 385/day	
381																								
447																								Demand : 112 staff, 89 visitors; excl maternity; hospital beds occupied : 45
146	13	11	24	1100-1200	5	9	14	1730-1830									0.5/avail. bed	0.7/avail. bed						
149	19	8	27	0900-1000	21	16	37	1230-1330					2.6	3.6										Hospital 580m2, consulting rooms 457m2
392																								
393																								excl medical centre
394	40	35	75	0800-0900	50	50	100	1400-1500	396	387	793	24hr	0.9	1.3	9.9	1.1	1.4	11.3	per bed					Sat and Sun flows about half of above
395			60	0800-0900			65	1500-1600			608	24hr	1.6	1.7	16.0	1.3	1.4	13.5	per bed					
83	7	3	10		6	6	12		40	33	73	0800-1900	5.7	6.9	41.7									Closed for surgery 1100-1500
422							25	Mon 3-4pm			133	weekda y average												
38	12	20	32						149	140	289	0900-1830	1.0		9.4									swimming pool, aerobics, gymnasium, squash, badminton
444	40	30	70	0815-0915	60	45	105	1300-1400																
85					35	43	78		180	158	338	1430-1930						2.0		per 100m2 site area				40,000 m2 site area
164																								"Life Flight Trust" tournament
60	41	7	46		19	23	42		172	166	338	0900-1700	3.3	2.9	23.2									
96	27	6	33		31	32	63		153	134	287	0800-1300	4.6		39.6									
454																								
455																								
153	16	28	44	1000-1100	10	11	21	1500-1600	108	122	230	0800-1800	0.11	0.05	0.58									
437	305	405	710	11am-12pm																court				Based on vehicle accumulation survey
31					169	149	318		705	557	1262	0900-1630		43.8	43.8									3 rugby fields, 2 tennis courts, 1 hockey pitch, 3 bowling greens, pony club
52									215	209	424	0900-1630			47.1									
55					55	59	114		565	471	1036	0900-1700		16.7	151.9									
117																								Extensive sports fields, pool, 2x stadia, people on site 1300 in bldgs, 5000 on grounds, special events up to 560 cars parked, derived from aerial photo
191					69	33	102	1350-1450																
400																								International Rugby
401																								Ranfurly Shield Rugby
402																								Ranfurly Shield Rugby
403																								NPC Rugby

**PARKING DEMAND AND TRIP GENERATION SURVEY**

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404	Gabites Porter	Auckland	Olahuhu	Ericsson Stadium	Recreation	Stadium		22500 spectators				5400			0.2	spectators	
405	Gabites Porter	Auckland	Olahuhu	Ericsson Stadium	Recreation	Stadium		40000 people				8222			0.2	people	
406	Gabites Porter	Hamilton	Hamilton	Rugby Park	Recreation	Stadium		23000 spectators									
407	Gabites Porter	Hamilton	Hamilton	Rugby Park	Recreation	Stadium		20000 spectators									
408	Gabites Porter	Auckland	Penrose	Ericsson Stadium	Recreation	Stadium		22500 spectators									
409	Gabites Porter	Auckland	Penrose	Ericsson Stadium	Recreation	Stadium		40000 spectators									
410	Gabites Porter	Christchurch	Addington	Lancaster Park	Recreation	Stadium		37000 spectators									
411	Gabites Porter	Auckland	Mt Eden	Eden Park	Recreation	Stadium		25000 spectators									
412	Gabites Porter	Auckland	Mt Eden	Eden Park	Recreation	Stadium		22000 spectators									
413	Gabites Porter	Auckland	Mt Eden	Eden Park	Recreation	Stadium		31000 spectators									
414	Gabites Porter	Auckland	Mt Eden	Eden Park	Recreation	Stadium		42000 spectators									
415	Gabites Porter	Auckland	Mt Eden	Eden Park	Recreation	Stadium		50000 spectators									
254	CCC	Christchurch	Riccarton	Four Brookworth Place Flats	Residential	Dwelling	Inner	Four properties, total 21x4brm flats							1.57 spaces/flat, 0.39 spaces/room (Sun 1000)		
144	TDC via TDG	Tauranga	Gate Pa	Gate Pa residential subdivision	Residential	Dwelling	Intermediate	364 households									
145	TDC via TDG	Tauranga	Matua Peninsula	Otumoetai Road - Matua Peninsula	Residential	Dwelling	Intermediate	2061 households									
302	CCC	Christchurch	Bishopdale	Trafford Street	Residential	Dwelling	Intermediate	74 households									
303	CCC	Christchurch	Burwood	Kingsford St + Queensbury St	Residential	Dwelling	Intermediate	428 households									
304	CCC	Christchurch	Hillmorton	Warren Cres (both ends)	Residential	Dwelling	Intermediate	318 households									
308	CCC	Christchurch	Cashmere	Parklands St/Ramahana Rd	Residential	Dwelling	Intermediate	397 households									
336	MD	Porirua	Plimmerton	Steyne Ave	Residential	Dwelling	Intermediate	600 hh									
337	MD	Porirua	Titahi Bay	Pikarene St	Residential	Dwelling	Intermediate	246 hh									
338	MD	Porirua	Porirua East	Gear Terrace	Residential	Dwelling	Intermediate	115 hh									
360	NPDC	New Plymouth	New Plymouth	Bromley Place	Residential	Dwelling	Intermediate	110 Household units									
361	NPDC	New Plymouth	New Plymouth	Karamea Street	Residential	Dwelling	Intermediate	100 household units									
362	NPDC	New Plymouth	New Plymouth	Karina Road	Residential	Dwelling	Intermediate	150 household units									
363	MDC	Marlborough	Blenheim	Fyfe St	Residential	Dwelling	Intermediate	43 household									
364	MDC	Marlborough	Blenheim	Elisha Drive	Residential	Dwelling	Intermediate	32households									
369	MDC	Marlborough	Blenheim	Dillon St	Residential	Dwelling	Intermediate	102 households									
370	TDC	Tauranga	Tauranga	Carlton St	Residential	Dwelling	Intermediate	165 households									
371	TDC	Tauranga	Tauranga	Townhead Cres	Residential	Dwelling	Intermediate	165 households									
372	TDC	Tauranga	Tauranga	Kingswood Road	Residential	Dwelling	Intermediate	252 households									
373	TDC	Tauranga	Tauranga	Faulkner St	Residential	Dwelling	Intermediate	116 households									
374	TDC	Tauranga	Tauranga	Cheyne Rd	Residential	Dwelling	Intermediate	69 households									



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					Residential	Dwelling	Intermediate										
375	TDC	Tauranga	Omanu	Matapahi Rd	Residential	Dwelling	Intermediate		538 households								
376	TDC	Tauranga		Livers Rd	Residential	Dwelling	Intermediate		1587 households								
377	TDC	Tauranga		Taipari St	Residential	Dwelling	Intermediate		181 households								
378	TDC	Tauranga		Tuthill St	Residential	Dwelling	Intermediate		146 households								
379	PNCC	Palmerston North		Healy Ave	Residential	Dwelling	Intermediate		72 households								
380	PNCC	Palmerston North		Kentucky Way	Residential	Dwelling	Intermediate		111 households								
381	PNCC	Palmerston North		Kentucky Way	Residential	Dwelling	Intermediate		111 households								
382	PNCC	Palmerston North		Marriner St	Residential	Dwelling	Intermediate		104 households								
383	PNCC	Palmerston North		Marriner St	Residential	Dwelling	Intermediate		104 households								
384	PNCC	Palmerston North		Peters Ave	Residential	Dwelling	Intermediate		104 households								
385	PNCC	Palmerston North		Clifton Tee	Residential	Dwelling	Intermediate		99 households								
386	PNCC	Palmerston North		Ruamahanga Cres	Residential	Dwelling	Intermediate		172 households								
387	NSCC	North Shore	Burkdale	Hadfield Street	Residential	Dwelling	Intermediate		297 Households								
388	NSCC	North Shore	Burkdale	Taurus Crescent	Residential	Dwelling	Intermediate		83 Households								
389	NSCC	North Shore	Torbay	Waiau Street	Residential	Dwelling	Intermediate		102 Households								
390	NSCC	North Shore	Browns Bay	Penguin Drive	Residential	Dwelling	Intermediate		148 Households								
445	RDC	Rotorua	Ngongotaha	Hood St	Residential	Dwelling	Intermediate		184 hh								
446	RDC	Rotorua	Tihi-o-Tonga	Mokoia Drive	Residential	Dwelling	Intermediate		186 hh								
143	TDG	Queenstown Lakes	Dalefield	Mountain View Road subdivision	Residential	Dwelling	Outer		22 households								
301	CCC	Christchurch	Sumner	Clifton Terrace	Residential	Dwelling	Outer		381 households								
305	CCC	Christchurch	South Brighton	Rockinghorse Rd	Residential	Dwelling	Outer		516 households								
365	MDC	Marlborough	Blenheim	Ashford Grove	Residential	Dwelling	Rural		11 Households								
366	MDC	Marlborough	Blenheim	Morven Lane	Residential	Dwelling	Rural		12 households								
367	MDC	Marlborough	Blenheim	Fareham Lane	Residential	Dwelling	Rural		8 households								
368	MDC	Marlborough	Blenheim	Fareham Lane	Residential	Dwelling	Rural		8 Households								
124	TDG	Christchurch	Yaldhurst	Kintyre Drive Subdivision	Residential	Dwelling			111 residential units								
135	TDG	Hutt	Stakes Valley	Stakeswood Rest Home	Residential	Home			41 beds, 32 staff (incl part-time)								
136	TDG	Wellington	Tawa	LongView Rest Home	Residential	Home			60 beds on-site, 59 occ beds	21		21		1100		0.36 per occ bed	
137	TDG	Auckland	Howick	Gulf Views Rest Home	Residential	Home			32 beds, 7 staff (max on site)	13		7	4	1030		0.34/occ bed	

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY		
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time								
375											5334	24 hr							household s	Established suburb extends into rural area with a modest golf course
376											11032	24 hr							household s	Well established suburb
377											1618	24 hr							household s	Well established suburb
378											1518	24 hr							household s	New suburb some construction.
379	14	52	66	0800-0900	39	40	79	1500-1600			671	24 hr				0.9	1.1	9.3	household s	Mature suburb 5 day week avge
380	18	68	86	0800-0900	64	36	102	1600-1700			1022	24 hr				0.8	0.9	9.2	household s	Mature topline suburb peak Tuesday
381											994	24 hr 5 day							household s	Mature topline suburb Mon-Fri week avge.
382	21	52	73	0800-0900	77	57	134	1700-1800			1165	24 hr				0.7	1.3	11.2	household s	Topline Mature Suburb Peak Friday
383											994	24 hr 5 day							household s	Topline Mature Suburb Mon-Fri week avge.
384	19	51	70	0800-0900	76	45	121	1700-1800			966	24hr 5 day				1.2	1.2	9.3	household s	Older mature suburb Hourly flows based on Thursday 15 June
385			116	0800-0900			114	1800-1900			897	24 hr 5day				1.2	1.2	9.1	household s	mature subdivision of 1970s 5 day counts with peak hr Mon and Thurs
386			176				186	1600-1700			1666	24 hr				1.1	1.1	9.7	household s	Mature suburb standard Housing layout 1970s Fri traffic peak day and 1700 peak hour.
387	59	144	203	0800-0900 (Thurs)	164	74	238	1700-1800 (Wed)	1117	1111	2228	24 Hour				0.8	0.8	7.5	Household s	High Class area 950 metres in length. Bus Route with a 5 min walk to a few local shops. Combination of all age groups. Older housing - most built in the 60's
388	26	42	68	0800-0900	52	36	88	1500-1600 (Tues)	403	402	805	24 Hour				1.1	1.1	9.7	Household s	Less than Average Cul-de-sac 380 metres in length. Est. early 1980's Most houses are rental properties and also most have no garages and carports.
389	26	53	79	0800-0900 (Fri)	58	37	95	1600-1700 (Tues)	402	402	804	24 Hour				0.9	0.9	7.9	Household s	Average Cul-de-sac 420 metres in length. Local shops and bus route located within 2-3 mins. Est. in 1970's Residents are mostly middle to older aged groups
390	49	112	161	0800-0900 (Thurs)	77	69	146	1500-1600 (Wed)	716	693	1409	24 Hour				1.0	1.0	9.5	Household s	Reasonably new above average cul-de-sac 750 metres in length. No shops nearby. Nearest bus route 8-10 min walk. Mostly young to middle aged groups
445											1780	24hr							hh	
446											1449	24hr							hh	
143									61	61	122								5.5 vpd/hh	
301									975	976	1951	24 hr							5.1 household s	Hill suburb, Sumner
305									1759	1759	3518	24 hr							6.8 household s	Ithmus between ocean and estuary
365	6	2	8	1000-1200	8	4	12	1700-1800			94	24 hr				0.70	1.10	8.5	household s	Residential Rural Subdivision Peak days Sun and Thurs
366			12	0700-0800			10	1500-1600			75	24 hr				1	0.9	6.3	household s	Residential Rural Mon and Thurs peak days, high 1100-1200 flows
367			17	0900-1000			13	1500-1600			137	24hr				1.9	1.6	14.8	household s	8 hectare Rural Residential Top of market rural residential special sale? Day
368			13	0900-1000			12	1600-1700			86	24 hr				1.6	1.5	10.3	household s	8 hectare Rural/Res Typical day
124									451	451	902	24 hr							8.1 household s	Weekday 954 vpd, 8.6 trips/hh
135					9	10	19		38	39	77	Full Day					0.5	1.6	per bed	
136	16	5	21	0800-0900	10	12	22	1200-1300	77	79	156	0700-1900				0.36/occ bed	0.32/occ bed	2.6/occ bed		"Daily" = 0700-1900 (12hr)
137																				

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description		GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
141	TDG	Hutt	Epuni	Epuni Boys Home	Residential	Home		20 children, 36 employees (incl shift staff)	30	15	35		1400		17.5/10 children	
255	CCC(DLS)	Dunedin	Birchleigh	Birchleigh Rest Home	Residential	Home		150 townhouse units								
256	CCC(DLS)	Dunedin	Birchleigh	Birchleigh Rest Home	Residential	Home		43 serviced rooms								
257	CCC(DLS)	Dunedin	Birchleigh	Birchleigh Rest Home	Residential	Home		35 resthome beds								
396	Transplan	Porirua	Porirua	Glenbrook RestHome	Residential	Home		37 beds, 13 staff	6	5	17		1130		0.5	per bed
397	Transplan	Wellington	Taita	Aroha Hospital and Rest Home	Residential	Home		68 beds, 30 staff	15	8	15		1500		0.2	per bed
398	Transplan	Lower Hutt	Lower Hutt	Norman Kirk Resthome	Residential	Home		70 beds	20		19				0.3	per bed
399	Transplan	Upper Hutt	Fergusson St	Home of Compassion	Residential	Home		43 beds	36		36				0.8	per bed
419	Gabites Porter	Auckland		Park Lane Retirement Village	Residential	Home		95 units + 35 apartments								
420	Gabites Porter	Auckland		Park Lane Retirement Village	Residential	Home		99 units +57 apartments								
421	Gabites Porter	Auckland		Mayfair Retirement Village	Residential	Home		100 units + 68 apartments								
5	ATLA Study	Manakau	Kirkbride	Quality Inn	Residential	Hotel	10580	160 rooms 35 employees	131		88		1230	0.8		
53	ATLA Study	Auckland	Waipuna	Waipuna Lodge	Residential	Hotel	15719	1300 seats 155 rooms 110 employees	320		343		1145	2.2		
62	ATLA Study	Rodney	Waiwera	Coachtrail Lodge Motel	Residential	Hotel	1858	14 rooms Conference Facilities 50 people	35		19		1115	1.0		
82	ATLA Study	Auckland	Waipuna	Waipuna Lodge	Residential	Hotel	15719	1300 seats 155 rooms 110 employees	320		115		1100			
72	ATLA Study	North Shore	Takapuna		Residential	Motel	2160	32 rooms 23 employees	29		18		0845	0.8		
73	ATLA Study	Auckland	Greenlane	Parklane Motor Inn	Residential	Motel	2160	32 rooms, restaurant and conference unit	29		18		?	0.8		
240	CCC	Christchurch	Riccarton	Cherry Tree Lodge	Residential	Motel		18 rooms								
241	CCC	Christchurch	Riccarton	Christchurch Motel	Residential	Motel		24 rooms								
242	CCC	Christchurch	Redwood	Garden City Motel	Residential	Motel		8 rooms								
243	CCC	Christchurch	St Albans	Abbey Motor Lodge	Residential	Motel		14 rooms								
244	CCC	Christchurch	Addington	Canterbury Court Motel	Residential	Motel		20 rooms								
64	ATLA Study	Auckland	Mt Wellington	Duke of Wellington	Retail	Bar	1460	Restaurant 70 seats, total 600 seats 20 employees	161		117		2300	6.0		

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS		
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY				
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time										
141	13	7	20	0830-0930	4	18	22	1600-1700					10.0/10 children	11/10 children								Meeting at centre on survey day for 15 other staff
255										151 resident trips, 50 visitor trips, 8 service trips										1.4 resident trips, 0.5 visitor trips, 0.1 service trip	unit	
256										25 visitor trips, 27 staff trips, 14 service trips										0.6 visitor trips, 0.6 staff trips, 0.3 service trips	unit	
257										21 visitor trips, 22 staff trips, 10 service trips										0.6 visitor trips, 0.6 staff trips, 0.3 service trips	unit	
396	3	3	6	1100-1200	3	5	8	1500-1600				66	24hr				0.2	0.2	1.8	per bed		
397	8	5	13	1000-1100	8	6	14	1300-1400				140	24hr				0.2	0.2	2.1	per bed	Resthome beds 45, Hospital beds 23	
398																						
399																						
419												375								2.93	unit	
420												423								2.71	unit	
421												454								2.7	unit	
5	40	34	74		14	24	38	1500-1600	238	172	410	0800-1600	0.7	0.4	3.9							96 rooms occupied on day of survey
53	175	61	236		64	53	117		695	421	1116	0830-1630	1.5	0.7	7.1							
62	4	1	5		2	5	7		39	25	64	0800-1800	0.3	0.4	3.4							
82																						
72	10	8	18										0.8									
73									51	38	89	0730-1530			4.1							
240																	0.4	0.1	2.3	occupied unit	85% av room occupancy, 94% max room occupancy	
241																	0.9	0.6	8.5	occupied unit	60% av room occupancy, 81% max room occupancy	
242																	1.3	1.4	8.9	occupied unit	80% avg room occupancy, 94% max room occupancy	
243																	1	1.9	12.8	occupied unit	58% avg room occupancy, 56% max room occupancy	
244																	0.9	1.5	14.2	occupied unit	50% avg room occupancy, 50% max room occupancy	
64					84	68	152	1800-1900	506	389	895	1700-2200		10.4	61.3							TAB

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description		GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/ 100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
154	TDG	Christchurch	Cashmere	Cashmere Club, Colombo St	Retail	Bar	1400	1500 members	175	35	69		1800	4.9		
155	TDG	Christchurch	Cashmere	Cashmere Club, Colombo St	Retail	Bar	1400	1500 members	175	35	116		1900	8.3		
156	TDG	Christchurch	Cashmere	Cashmere Club, Colombo St	Retail	Bar	1400	1500 members	175	35	76		1800	5.4		
157	TDG	Christchurch	Parklands	Parklands Tavern	Retail	Bar	1500				89		1800	5.9		
158	TDG	Christchurch	Parklands	Parklands Tavern	Retail	Bar	1500				92		1900	6.1		
159	TDG	Christchurch	Ferryvale	Ferryvale Tavern	Retail	Bar	900				51		2200	5.7		
160	TDG	Christchurch	Ferryvale	Ferryvale Tavern	Retail	Bar	900				75		1800	8.3		
165	TDG	North Shore	Glenfield	Glenfield Tavern	Retail	Bar	1900	Wholesale bottleshop and drive-through lane	120							
166	TDG	Marlborough	Redwood	Redwood Tavern	Retail	Bar	400	TAB, Bottleshop	130		27		1900	6.8		
167	TDG	Marlborough	Redwood	Redwood Tavern	Retail	Bar	400	TAB, Bottleshop	130		50		2000	12.5		
168	TDG	Marlborough	Redwood	Redwood Tavern	Retail	Bar	400	TAB, Bottleshop	130		26		1800, 2100	6.5		
358	MD	Christchurch	Huntsbury	Bros Kelly's, Centaurus Road shops	Retail	Bar	400	5 FT + 3 PT staff, 950m2 SA	29		18	11	1930	7.3		
430	Gabites Porter	Te Rapa		Red Gables Tavern	Retail	Bar	429				53		5:00pm	11.4		
431	Gabites Porter	Te Rapa		Red Gables Tavern	Retail	Bar	429				46		6:00pm	10.7		
432	Gabites Porter	Te Rapa		Red Gables Tavern	Retail	Bar	429				49		6:00pm	11.4		
433	Gabites Porter	Hamilton		Eastside Tavern	Retail	Bar	500				32		5:00pm	6.4		
434	Gabites Porter	Hamilton		Eastside Tavern	Retail	Bar	500				40		5:00pm	8.0		
435	Gabites Porter	Hamilton		Eastside Tavern	Retail	Bar	500				52		6:00pm	10.4		
436	Gabites Porter	Hamilton		Hillcrest Tavern	Retail	Bar					80		8:00pm			
461	TDG	North Shore	Glenfield	Glenfield Tavern	Retail	Bar	1900		120							
120	TDG	Manakau	Manakau	Manakau Supa Centre	Retail	Bulk	28884				518		1315	1.8		
121	TDG	Manakau	Manakau	Manakau Supa Centre	Retail	Bulk	28313				474		1345	1.7		
122	TDG	Manakau	Manakau	Manakau Supa Centre	Retail	Bulk	28313				258		1900	0.9		
123	TDG	Manakau	Manakau	Manakau Supa Centre	Retail	Bulk	26704				535		1430	2.0		
56	ATLA Study	Waikare	Henderson	The Warehouse Henderson	Retail	Discount	2408	20 employees	73		67		1430	2.8		
109	ATLA Study	Waikare	Henderson	The Warehouse Henderson	Retail	Discount	2408	20 employees	109	14	126		?	5.2		
110	ATLA Study	Waikare	Henderson	The Warehouse Henderson	Retail	Discount	2408	20 employees	109	14	136			5.6		
111	ATLA Study	Waikare	Henderson	The Warehouse Henderson	Retail	Discount	2408	20 employees	109	14	198		1115	8.2		
48	ATLA Study	Rodney	Orewa	KFC Orewa	Retail	Fast Food	230	56 seats 5 employees	47		22		1345	9.6		
49	ATLA Study	North Shore	Takapuna	KFC Takapuna	Retail	Fast Food	240	46 seats 4 employees drive through lane	24		30		1815	12.5		
71	ATLA Study	Auckland	Mt Wellington	McDonalds	Retail	Fast Food	590	120 seats 14 employees drive through lane	75		57		1145	9.7		
76	ATLA Study	North Shore	Glenfield	Georgie Pie	Retail	Fast Food	990	200 seats	65		61		1245	6.2		
245	CCC	North Shore	Wairau Park	Burger King	Retail	Fast Food		114 seats, drive-through			drive-thru 30, carpark 10		7:00pm			
246	CCC	North Shore	Wairau Park	Burger King	Retail	Fast Food		114 seats, drive-through								
247	CCC	Auckland	Papatotoe	Burger King	Retail	Fast Food										
248	CCC	Auckland	New Lynn	Burger King	Retail	Fast Food										

**PARKING DEMAND AND TRIP GENERATION SURVEY**

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	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY				
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time										
154					51	7	58	1630-1730							4.1						2 squash courts, restaurant, billiards	
155																						2 squash courts, restaurant, billiards
156					41	17	58	1645-1745							4.1							2 squash courts, restaurant, billiards
157					61	54	115	1800-1900							7.7							
158					70	82	152	1900-2000							10.1							
159					56	55	111	1900-2000							12.3							
160					104	97	201	1800-1900							22.3							
165					114	84	198	1630-1730							10.4							
166																						
167																						
168																						
358	4	4	8	1100-1200	10	5	15	1200-1300			96	9hrs	2.0	3.8	24.0							Visitor arrival mode : car driver 86%, car pass 10%, walk 4%
430																						Modern tavern
431																						Modern tavern
432																						Modern tavern
433																						Commuter style parking omitted. Area scaled from aerial.
434																						Commuter style parking omitted. Area scaled from aerial.
435																						Commuter style parking omitted. Area scaled from aerial.
436																						University vacation
461					114	84	198	1630-1730							10.4							Incl bottle store and drive-through
120					785	820	1605								5.6							
121					776	827	1603								5.7							
122					533	513	1046								3.7							
123					669	675	1344								5.0							
56					166	159	325		1227	1187	2414	0900-1630		13.5	100.2							Retail Floor Area 2152
109					257	240	497								20.6							
110																						
111																						
48					47	49	96		263	244	507	1000-1700		41.7	220.4							
49					83	80	163		486	461	947	1000-2230		67.9	394.6							
71					117	114	231		962	939	1801	0900-1730		39.2	322.2							
76					80	89	169		641	611	1252	0900-1700		17.1	126.5							
245					drive-thru 60vph, carpark 80vph			1800-1900														Associated with large bulk retail site
246					43vph (drive-thru)			1800-1900														
247					32		32	1800-1900														
248					53		53	1800-1900														

**PARKING DEMAND AND TRIP GENERATION SURVEY**

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249	CCC	Auckland	Takanini	Burger King	Retail	Fast Food					23		1900			
250	CCC	Auckland	Takanini	Burger King	Retail	Fast Food					25		1400			
251	CCC	Christchurch	Hornby	Burger King	Retail	Fast Food	BK 318, Shell 197	40 seats BK			drive-thru 7, carpark 24		1800		0.8	per seat
252	CCC	Christchurch	Hornby	Burger King	Retail	Fast Food	BK 318, Shell 197	40 seats BK			drive-thru 8, carpark 31		1230		1	per seat
315	CCC(TPC)	Christchurch	Belfast	Burger King	Retail	Fast Food		Drive-thru + 30? seats								
316	CCC(TPC)	Christchurch	Belfast	Burger King	Retail	Fast Food		Drive-thru + 30? seats								
51	ATLA Study	Manakau	Mangere	Palmer's Garden Centre	Retail	Garden Centre	848	2 employees (AM), 3 employees (PM)	56		6		230	0.7		
54	ATLA Study	North Shore	Forest Hill	Palmer's Garden Centre	Retail	Garden Centre	406	10 employees	62		39		1330	9.6		
58	ATLA Study	Manakau	Takanini	The Wholesale Tree Co. (Garden Centre)	Retail	Garden Centre	36000	24 full time 11 part time employees, café	180		135		1430	0.4		
161	TDG	Christchurch	Sydenham	Athol McCully Garden Centre	Retail	Garden Centre	400	Outdoor display 1400m <sup>2</sup>	28							
162	TDG	Christchurch	Sydenham	Athol McCully Garden Centre	Retail	Garden Centre	400	Outdoor display 1400m <sup>2</sup>	28							
163	TDG	Christchurch	Sydenham	Athol McCully Garden Centre	Retail	Garden Centre	400	Outdoor display 1400m <sup>2</sup>	28							
357	MD	Christchurch	Huntsbury	Centaurus Road Gardenways	Retail	Garden Centre	400	2 FT + 1 PT staff, 1000m <sup>2</sup> SA	14		3	4	1300	1.8		
417	Gabites Porter	Hamilton		Greens Garden Centre, Alison St	Retail	Garden Centre					28		12:00pm			
28	ATLA Study	Auckland	Clemow	Turners and Growers	Retail	Market	17260	258 employees	690		649		0730	3.8		
29	ATLA Study	Auckland	Clemow	Turners and Growers	Retail	Market	17260	258 employees	690		237		0730	1.4		
70	ATLA Study	Auckland	Britomart	China/Oriental Markets	Retail	Market	7710		450		168		1400	2.2		
98	ATLA Study	Waikare	Henderson	Vegie World	Retail	Produce	355	8 employees	30		24		1115	6.8		
112	ATLA Study	Waikare	Henderson	Vegie World	Retail	Produce	355	9 employees	30		20		1100	5.6		
113	ATLA Study	Waikare	Henderson	Vegie World	Retail	Produce	355	40 employees	30		23		1430	6.5		
466	TDG	Christchurch	Harewood	Raeward Orchard	Retail	Produce	280	140m <sup>2</sup> retail area	37							
467	TDG	Christchurch	Harewood	Raeward Orchard	Retail	Produce	280	140m <sup>2</sup> retail area	37							
47	ATLA Study	North Shore	Northcote	Pizza Hutt	Retail	Restaurant	220	99 seats	44		21		1330	9.5		
66	ATLA Study	Waikare	Kelston	Valentines and The Boats Inn, Great North Road	Retail	Restaurant	980	320 seats 19 employees	69		60		2015	6.1		
77	ATLA Study	Auckland	Owairaka	Richardsons Tavern	Retail	Restaurant	1067	Restaurant 72 seats, function room 36 seats, 2 bars, total 350 seats, 10 employees	105		73		2045	6.8		
78	ATLA Study	Manakau	Lakewood	Sizzlers	Retail	Restaurant	860	255 seats 45 employees	84		84		1915	9.8	3.7	per 10 seats

**PARKING DEMAND AND TRIP GENERATION SURVEY**

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	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY					
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time											
249	site : 122 vph, drive- thru : 24vph			1200- 1300	site : 170 vph, drive- thru : 34vph			1700- 1800	1642 (site), 269 (drive- thru)			1000- 0200										Reference to site include service station?	
250	site : 150 vph, drive- thru : 22vph			1200- 1300	site : 137 vph, drive- thru : 27vph			1800- 1900	1530 (site), 217 (drive- thru)			1000- 0200										Reference to site include service station?	
251					drive- thru 31veh, carpark 20veh	drive- thru 32veh, carpark 21veh		1810- 1930 (80min)															
252					drive- thru 32vph, carpark 28vph	drive- thru 33vph, carpark 29vph	122	1200- 1300															
315					91	88	179	1700- 1800									179					per site	
316					80	84	164	1300- 1400														per site	
51					8	9	17		56	55	111	0900- 1730		2.0	13.1								
54					45	41	86		352	333	685	0900- 1700		21.2	168.7							Botannix café, 406 GFA, 3366 RFA (incl display)	
56					108	97	205		615	770	1585	0900- 1700		0.6	4.4							36000 retail floor area	
161					33	25	58	1600- 1700	188	186	374	0900- 1800		14.5	93.5								
162					48	63	111	1600- 1700	273	269	542	0900- 1800		27.8	135.5								
163					57	56	113	1400- 1500	292	286	578	0900- 1800		28.3	144.5								
357	6	6	12	1100- 1200	6	12	18	1500- 1600			62	9 hrs	3.0	4.5	15.5							Quiet day, visitor arrival mode : car driver 54%, car pass 30%, HGV driver 4%, cycle 4% walk 8%	
417	69	63	132	11:15- 12:15																		Average Length of Stay = 25.5min No floor area given	
28	90	92	182		59	108	167		613	567	1180	0700- 1500	1.1	1.0	6.8							Major weekly auction	
29									2101	1999	4100	0900- 1700			23.8								
70					109	95	204		798	667	1465	0930- 1700		2.6	19.3								
98					71	85	156							43.9									
112																							
113																							
466											1200	0000- 2400			428.6							popular growers produce stall, fronting SH1 northwest of city	
467							205	1500- 1600			1393	0000- 2400		73.2	497.5							popular growers produce stall, fronting SH1 northwest of city	
47					22	19	41		?	173	#####	1100- 2230		18.6	#VALUE!								
66					25	11	36	1730- 1830	102	90	192	1730- 2300		3.7	19.6								
77					90	95	1700- 1800		584	539	1123	100- 2300		17.3	105.2							Bottle store and TAB	
78					43	52	95	1800- 2200	309	291	600	1430- 2230		11.0	69.8								

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description		GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
88	ATLA Study	Manakau	East Tamaki	Metro Bar and Grill	Retail	Restaurant	372	100 seats 12 employees	42		46		2030	12.4		
90	ATLA Study	Auckland	Ellerslie	Ellerslie Oaks	Retail	Restaurant	2010	Restaurant 100 seats, 3 bars, bottle store, 12 motel units, 15 employees	226		185		1745	9.2		
462	TDG	North Shore	Wairau	Sizzlers Wairau Park	Retail	Restaurant	661	280 seats	89							
463	TDG	North Shore	Wairau	Sizzlers Wairau Park	Retail	Restaurant	661	280 seats	89							
464	TDG	North Shore	Wairau	Sizzlers Wairau Park	Retail	Restaurant	661	280 seats	89		86		2000	13.0	3.1	per 10 seats
465	TDG	North Shore	Wairau	Sizzlers Wairau Park	Retail	Restaurant	661	280 seats	89		96		1815	14.5	3.4	per 10 seats
12	ATLA Study	Manakau	Roscomm	Shell Roscommon Rd	Retail	Service Station	253	10 pumps	5		14		1530	5.5		
36	ATLA Study	North Shore	Wairau Rd	BP Wairau Rd	Retail	Service Station	120	19 pumps 5 employees	20		11		1400	9.2		
79	ATLA Study	Manakau	Roscommon	Shell Roscommon Rd	Retail	Service Station	253	8 pumps	5		23		1445	9.1		
126	TDG	Auckland	Avondale	Ash Street Shell + McDonalds	Retail	Service Station		Drive-thru fast food								
127	TDG	Auckland	Avondale	Ash Street Shell + McDonalds	Retail	Service Station		Drive-thru fast food								
128	TDG	Queenstown Lakes	Gorge Road	Caltex	Retail	Service Station										
129	TDG	Porirua	CBD	Mobil Keneperu/Lytelton	Retail	Service Station										
130	TDG	Christchurch	Linwood	Mobil Edmonds	Retail	Service Station										
131	TDG	Christchurch	Linwood	Mobil Edmonds	Retail	Service Station										
132	TDG	Porirua	Mana	Shell Pimmerton	Retail	Service Station										
133	TDG	Christchurch	Edgeware	BP Edgeware	Retail	Service Station										
134	TDG	Dunedin	City	BP Cumberland Street	Retail	Service Station		Four pump islands, shop and truck stop								
450	PNCC	Palmerston North	Palmerston North	Caltex Ruahine-Main	Retail	Service Station										
451	PNCC	Palmerston North	Palmerston North	Caltex Rangitikei-Tremaine	Retail	Service Station										
19	ATLA Study	North Shore	Glenfield	Grove Mire 10	Retail	Shop	1872	18 employees	47		43		1315	2.3		
20	ATLA Study	Auckland	Onehunga	Grove Mire 10	Retail	Shop	3916	14 employees	56	42	56	26	1100	2.1		
22	ATLA Study	Manakau	Howick	Benchmark	Retail	Shop	1243	10 employees	34		22		1145	1.8		
24	ATLA Study	North Shore	Browns By	Payless Plastics	Retail	Shop	474	3 employees	27		11		1330	2.3		
27	ATLA Study	Rodney	Silverdale	Benchmark Building Supplies	Retail	Shop	1915	8 employees	36		14		1030	0.7		
43	ATLA Study	Auckland	Newton	Liquorland Newton Rd	Retail	Shop	3500		38		33		1545	0.9		
57	ATLA Study	Manakau	Takanini	The New Hub Furniture Shop	Retail	Shop	4086	4 employees	70		8		1100	0.2		
80	ATLA Study	Auckland	Ponsonby	Liquor King Ponsonby Rd	Retail	Shop	880	3 employees	36		23		1715	2.6		
84	ATLA Study	Auckland	Mt Eden	Super Liquor Mt Eden Rd	Retail	Shop	957	4 employees	29		9		1800	1.6		
91	ATLA Study	Auckland	Three Kings	Danske Mobier Furniture	Retail	Shop	790	3 employees	33		17		1115	2.2		
102	ATLA Study	Waikare	Henderson	Barbeque Factory	Retail	Shop	630	4 employees			5		1115	0.8		
103	ATLA Study	Waikare	Henderson	HirePool	Retail	Shop	202	4 employees			8		1545	4.0		

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY		
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time								
88					21	14	35	1700-1800	116	94	210	1630-2230		9.4	56.5					
90					195	117	312	1730-1830	626	556	1182	1630-2230		15.5	58.8					
462					41	24	65	1700-1800						9.8			2.3		per 10 seats	
463					22	20	42	1200-1300											per 10 seats	
464					54	28	82	1830-1930						12.4			2.9		per 10 seats 100m from multiplex theatres, large residential catchment, popular	
465					68	79	147	1800-1900						22.2			5.3		per 10 seats 100m from multiplex theatres, large residential catchment, popular	
12	41	41	82		48	45	93	1500-1600	281	267	548	0800-1600	32.4	36.8	216.6					
36					72	71	143		593	587	1180	0900-1700		119.2	983.3				Shop and carwash	
79	54	54	108		45	45	90		501	492	993	0700-1800	42.7	35.6	392.5					
126					79	79	158	1700-1800												
127					71	71	142	1700-1800												
128					62	62	124	1400-1500												
129					91	91	182	1600-1700												
130	36	36	72	1100-1200	52	52	104	1500-1600	442	442	884	0700-1900							"Daily count" = period of survey, AM=0800-0900, OP=0900-1000, PM=1500-1600	
131	38	38	76	1000-1100	61	61	122	1200-1300	815	815	1630	0900-1800							"Daily count" = period of survey, AM=0900-1000, OP=1200-1300	
132	54	51	105	0730-0830	83	83	166	1630-1730												
133	50	50	100	1200-1300	54	54	108	1630-1730												
134	50	46	96	0800-0900	64	62	126	1630-1730											Cumberland one-way sbnd, approach traffic AM:903vph, PM:1825vph, attraction rates AM: 5.5%, PM: 3.5%	
450	16	14	30	0800-0900	30	28	58	1200-1300	114	108	222	0800-1700							Total Passing Traffic : AM Peak=911, Off Peak= 1065, PM Peak= 871, Daily=4486	
451	23	28	51	0800-0900	25	24	49	1600-1700	104	106	210	0800-1700							Total Passing Traffic : AM Peak=1884, Off Peak= 2019, PM Peak= 2220, Daily=9088	
19	43	42	85		53	51	104		450	423	873	0830-1700	4.5	5.6	46.6					
20	67	48	115		114	117	231		857	850	1707	0830-1700	2.9	5.9	43.6				6250 incl outdoor display	
22	30	29	59		31	30	61		289	266	555	0730-1500	4.7	4.9	44.7				4272 RFA incl outdoor display	
24	7	2	9		10	9	19		77	71	148	0830-1700	1.9	4.0	31.2				RFA 412	
27	19	18	37		5	8	13		142	138	280	0800-1700	1.9	0.7	14.6				7080 RFA incl outdoor display	
43					61	66	127		495	486	983	0900-2100		3.6	28.1				Incl liquor distr centre	
57					11	11	22		77	74	151	0900-1600		0.5	3.7					
80					100	103	203	1700-1800	437	427	864	1700-2200		23.1	98.2					
84					40	42	82	1630-1730	233	228	461	1600-2100		14.7	82.8					
91									88	83	171	0900-1600			21.6					
102					15	15	30							4.6						
103					15	10	25							12.4						

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description			GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
114	ATLA Study	Auckland	CBD	Auck Mail Service Ctr Post Shop	Retail	Shop		215	3 staff	16	9			1015	4.2		
468	TDG	North Shore	Birkenhead	United Video, Mokoia Road	Retail	Shop		697									
438	Gabites Porter	Hamilton	CBD	Hamilton CBD	Retail	Shopping Centre	CBD	801170		12217	2873	1844	5935	09:00	7779	1.0	
439	Gabites Porter	Hamilton	CBD	Hamilton CBD	Retail	Shopping Centre	CBD	801170		12217	2873	2212	7933	11:00	10145	1.3	
440	Gabites Porter	Hamilton	CBD	Hamilton CBD	Retail	Shopping Centre	CBD	846700		14136	2776	1675	5462	09:00	7197	0.8	
441	Gabites Porter	Hamilton	CBD	Hamilton CBD	Retail	Shopping Centre	CBD	846700		14136	2776	2060	8483	11:00	10543	1.2	
442	Gabites Porter	Huntly	CBD	Huntly CBD	Retail	Shopping Centre	CBD	18600							285.0	1.5	
443	Gabites Porter	Huntly	CBD	Huntly CBD	Retail	Shopping Centre	CBD	18600							331.0	1.8	
480	TDG	Manakau	Manakau	Manakau Town Centre	Retail	Shopping Centre	CBD			1276		1086		1100		4.2	100m2 Site Area
21	ATLA Study	Auckland	Ponsonby	Shopping Ctr 3 Lamps Ponsonby	Retail	Shopping Centre	Large	15670	413 employees	367		335		1300	2.1		
26	ATLA Study	Auckland	Newmarket	Newmarket Shops	Retail	Shopping Centre	Large	170772	3467 employees	3337		2115		1300	1.2		
40	ATLA Study	Auckland	Newmarket	Newmarket Shops	Retail	Shopping Centre	Large	170772	3467 employees	3337		2494		1330	1.5		
42	ATLA Study	Auckland	Mt Eden	Valley Road Shops	Retail	Shopping Centre	Large	36535	640 employees	1047		729		1100	2.0		
46	ATLA Study	Auckland	Parnell	Parnell Shops	Retail	Shopping Centre	Large	114104	2015 employees	1420		1254		1015			
66	ATLA Study	Auckland	Parnell	Parnell Shops	Retail	Shopping Centre	Large	114104	2105 employees	1420		968		2100			
100	ATLA Study	Auckland	St Lukes	St Lukes	Retail	Shopping Centre	Large	38130	870 employees	1748		1789		1415	4.7		
292	CCC	Christchurch	Papanui	Northlands Mall	Retail	Shopping Centre	Large	15300		671		475		1400	3.1		
293	CCC	Christchurch	Papanui	Northlands Mall	Retail	Shopping Centre	Large	15300		671		415		2000	2.7		
294	CCC	Christchurch	Papanui	Northlands Mall	Retail	Shopping Centre	Large	15300		671		607		1500	4.0		
339	Transplan	Porirua	Titahi Bay Road	Kmart Plaza	Retail	Shopping Centre	Large	18000	2 ha, SA, 250 employees	790		606		1300	3.4		
1	ATLA Study	North Shore	Link Drive	Levenes, Noel Leeming, The Warehouse, For Homes, Placemakers	Retail	Shopping Centre	Medium	9590	251 employees	310		300		1330	3.1		
23	ATLA Study	Manakau	Lincoln Nth	Lincoln Centre	Retail	Shopping Centre	Medium	6877	304 employees	449		429		1245	6.2		
30	ATLA Study	Manakau	Ronwood	The Warehouse, Warehouse Stationery, Robbie Bums, Briscoes	Retail	Shopping Centre	Medium	5954	62 employees	255		178		1145	3.0		
32	ATLA Study	Manakau	Ronwood	The Warehouse, Warehouse Stationery, Robbie Bums, Briscoes	Retail	Shopping Centre	Medium	5954	62 employees	255		157		1330	2.6		
37	ATLA Study	Auckland	St Heliers	St Heliers Shops	Retail	Shopping Centre	Medium	11487		485		384		0945	3.3		
44	ATLA Study	Auckland	Mt Wellington	Big Fresh, Deka, Chemist, Liquor, Bank	Retail	Shopping Centre	Medium	8701	91 employees	588		290		1115	3.3		
50	ATLA Study	Waitakere	Lincoln	Lincoln Centre	Retail	Shopping Centre	Medium	6877	304 employees	483		115		1515	1.7		
101	ATLA Study	Waitakere	Henderson	Lincoln North Mall	Retail	Shopping Centre	Medium	6234	177 employees	419		343		1430	5.5		
105	ATLA Study	Waitakere	Henderson	Lincoln North Mall	Retail	Shopping Centre	Medium	6234	177 employees	419		385		1145	6.2		
108	ATLA Study	Waitakere	Lincoln	Lincoln North Mall	Retail	Shopping Centre	Medium	6234	177 employees	389		364		1600	5.8		
174	UoC	Christchurch	Upper Riccarton	Bush Inn	Retail	Shopping Centre	Medium	10990		720		385		1533	3.5		

**PARKING DEMAND AND TRIP GENERATION SURVEY**

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	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY		
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time								
114					50	55	105		238	235	473	0900-1700		48.8	220.0				Customer carpark only	
468	87	81	168	1100-1200	124	128	252	1645-1745						24.1	36.2				Surveyed during mid-term school holidays	
438																				
439																				
440																				
441																				
442																				
443																				
460																			Site Area 25,800m <sup>2</sup>	
21					764	741	1505		3426	3289	6715	0900-1800		9.6	42.9					
26																				
40																				
42																				
46																				
66																				
100					1605	1588	3193							8.4					GLA=32742m <sup>2</sup>	
292																			GLFA 12600	
293																				
294																				
339	894	766	1660	1100-12	966	1110	2076	1300-1400			18175	0900-21	9.2	11.5	101.0					
1	402	392	794		266	307	573		3133	3045	6178	0830-1800	8.3	6.0	64.4					
23					671	694	1365		5346	4992	10338	0900-1700		19.8	150.3				Retail floor area 4928	
30					281	269	550		1728	1602	3330	0900-1400		9.2	55.9				Retail Floor Area 4758	
32									2101	1999	4100	0900-1700			68.9				Retail Floor Area 4758	
37																				
44					394	387	781		2995	2755	5750	0900-1730		9.0	66.1					
50					228	222	450		1321	1224	2545	0900-1630		6.5	37.0					
101					674	669	1343								21.5					
105	482	418	900		669	665	1334						14.4	21.4						
108																				
174					537	521	1058								9.6					

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description			GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
					Retail	Shopping Centre	Medium										
182	UoC	Christchurch	Upper Riccarton	Church Corner	Retail	Shopping Centre	Medium	11254	216 fulltime staff, 40 part-time staff	330		301		1415	2.7		
185	UoC	Christchurch	Upper Riccarton	Church Corner	Retail	Shopping Centre	Medium	11254		360	25	370		1350	3.3		
196	UoC	Christchurch	Upper Riccarton	Bush Inn	Retail	Shopping Centre	Medium	8000		660		465		1630	5.8		
205	UoC	Christchurch	Upper Riccarton	Church Corner Centre	Retail	Shopping Centre	Medium	8714		261		200		1445	2.3		
211	UoC	Christchurch	Upper Riccarton	Bush Inn	Retail	Shopping Centre	Medium	9970		395		230		1450	2.3		
213	UoC	Christchurch	Upper Riccarton	Church Corner Centre	Retail	Shopping Centre	Medium	8714		310		261		1500	3.0		
216	UoC	Christchurch	Upper Riccarton	Bush Inn	Retail	Shopping Centre	Medium	14147		723		460		1420	3.3		
220	UoC	Christchurch	Upper Riccarton	Church Corner Centre	Retail	Shopping Centre	Medium	8714		312		327		1330	3.8		
222	UoC	Christchurch	Upper Riccarton	Bush Inn	Retail	Shopping Centre	Medium	14147		723		307		1430	2.2		
227	UoC	Christchurch	Bishopdale	Bishopdale Mall	Retail	Shopping Centre	Medium	13570		260		147		1440	1.1		
234	UoC	Christchurch	Upper Riccarton	Church Corner Centre	Retail	Shopping Centre	Medium	8714		285		238		1410	2.7		
238	UoC	Christchurch	Upper Riccarton	Bush Inn	Retail	Shopping Centre	Medium	14147		723		418		1420	3.0		
274	CCC	Christchurch	Bishopdale	Bishopdale Mall	Retail	Shopping Centre	Medium	13570		714		524		1400	3.9		
275	CCC	Christchurch	Bishopdale	Bishopdale Mall	Retail	Shopping Centre	Medium	13570		714		211		1900	1.6		
276	CCC	Christchurch	Bishopdale	Bishopdale Mall	Retail	Shopping Centre	Medium	13570		714		357		1200	2.6		
277	CCC	Christchurch	Upper Riccarton	Bush Inn Centre	Retail	Shopping Centre	Medium	9384		441		310		1400	3.3		
278	CCC	Christchurch	Upper Riccarton	Bush Inn Centre	Retail	Shopping Centre	Medium	9384		441		284		1930	3.0		
279	CCC	Christchurch	Upper Riccarton	Bush Inn Centre	Retail	Shopping Centre	Medium	9384		441		414		1430	4.4		
286	CCC	Christchurch	Hornby	Hornby Mall	Retail	Shopping Centre	Medium	11772		552		550		1430	4.7		
287	CCC	Christchurch	Hornby	Hornby Mall	Retail	Shopping Centre	Medium	11772		552		404		1900	3.4		
288	CCC	Christchurch	Hornby	Hornby Mall	Retail	Shopping Centre	Medium	11772		552		517		1230	4.4		
289	CCC	Christchurch	Linwood	Linwood City	Retail	Shopping Centre	Medium	12187		499		412		1230	3.4		
290	CCC	Christchurch	Linwood	Linwood City	Retail	Shopping Centre	Medium	12187		499		239		1900	2.0		
291	CCC	Christchurch	Linwood	Linwood City	Retail	Shopping Centre	Medium	12187		499		413		1400	3.4		
295	CCC	Christchurch	Shirley	Shirley Mall	Retail	Shopping Centre	Medium	10584		463		317		1500	3.0		
286	CCC	Christchurch	Shirley	Shirley Mall	Retail	Shopping Centre	Medium	10584		463		130		1900	1.2		
297	CCC	Christchurch	Shirley	Shirley Mall	Retail	Shopping Centre	Medium	10584		463		251		1130	2.4		
307	CCC(RG)	Christchurch	Merivale	Merivale Mall	Retail	Shopping Centre	Medium	6108		372	126	212	42	1700	4.2		
308	CCC(RG)	Christchurch	Merivale	Merivale Mall	Retail	Shopping Centre	Medium	6108		372	126	198	67	1700	4.3		
309	CCC(RG)	Christchurch	Merivale	Merivale Mall	Retail	Shopping Centre	Medium	6108		372	126	179	59	1700	3.9		
310	CCC(RG)	Christchurch	Merivale	Merivale Mall	Retail	Shopping Centre	Medium	6108		372	126	177	53	1700	3.8		
311	CCC(RG)	Christchurch	Merivale	Merivale Mall	Retail	Shopping Centre	Medium	6108		372	126	238	58	1200	4.8		
312	CCC(RG)	Christchurch	Merivale	Merivale Mall	Retail	Shopping Centre	Medium	6108		372	126	259	58	1200	5.2		
313	CCC(RG)	Christchurch	Merivale	Merivale Mall	Retail	Shopping Centre	Medium	6108		372	126	85	24	1230	1.6		

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS			
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)														
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	AM	PM	DAILY	AM	PM	DAILY					
182					517	535	1052	1530-1630						9.3									
195					150	176	326	1220-1320						2.9									
196					647	607	1254	1600-1700						15.7									
205																							
211					447	447	894	1500-1600						9.0									Warehouse under construction
213					416	434	850	1600-1700						9.8									
216					602	641	1243	1600-1700						8.8									
220					329	329	658	1330-1430						7.6									
222					176	187	363	1445-1545						2.6									
227					310	325	635	1530-1630						4.7									
234					402	409	811	1400-1500						9.3									
238					560	579	1139	1500-1600						8.1									
274																							
275																							
276																							
277																							GLFA 8659
278																							
279																							
286																							GLFA 10638
287																							
288																							
289																							GLFA 8741
290																							
291																							
295																							
296																							
297																							
307																							Centre turnover approx 80% of normal levels due to alterations
308																							Centre turnover approx 80% of normal levels due to alterations
309																							Centre turnover approx 80% of normal levels due to alterations
310																							Centre turnover approx 80% of normal levels due to alterations
311																							Centre turnover approx 80% of normal levels due to alterations
312																							Centre turnover approx 80% of normal levels due to alterations
313																							Centre turnover approx 80% of normal levels due to alterations

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description			GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
					Retail	Shopping Centre	Medium										
314	CCC(RG)	Christchurch	Merivale	Merivale Mall	Retail	Shopping Centre	Medium	6108		372	126	83	34	1300	1.9		
6	ATLA Study	Manakau	Hillpark	Hillpark Shops	Retail	Shopping Centre	Small	646	27 employees	120		31		1445	4.8		
9	ATLA Study	Manakau	Papatoetoe	Carruth Road Shops	Retail	Shopping Centre	Small	250	10 employees	31		14		1415	5.6		
10	ATLA Study	Manakau	Hall	Hall Avenue Sops	Retail	Shopping Centre	Small	418	11 employees	14		17		1215	4.1		
15	ATLA Study	Rodney	Manly	Manly Village	Retail	Shopping Centre	Small	1273	32 employees	50		42		1645	3.3		
16	ATLA Study	North Shore	Stanley	Stanley Avenue Shops	Retail	Shopping Centre	Small	928	28 employees	51		51		1400	5.5		
18	ATLA Study	Manakau	Juliet	Juliet Shops	Retail	Shopping Centre	Small	430	14 employees	25		17		1145	4.0		
99	ATLA Study	Waikare	Henderson	The Margan Centre	Retail	Shopping Centre	Small	2916	36 employees	97		146		1015	5.0		
106	ATLA Study	Waikare	Henderson	The Margan Centre	Retail	Shopping Centre	Small	2916	36 employees	97		115		1100	3.9		
116	MD	Ashburton	Methven	Town Centre	Retail	Shopping Centre	Small	2160	180 retail employees	174	66	96	32	1700	6.0	0.7	per employee
125	DLS via TDG	Christchurch	Shirley	Shirley Plaza	Retail	Shopping Centre	Small	1000		45							
170	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	1410		102		89		1620	6.3		
171	UoC	Christchurch	Bryndwr	Wairakei/Greens Shops	Retail	Shopping Centre	Small	3960		125		95		1640	2.4		
172	UoC	Christchurch	Ilam, Chch	Waimairi/Maldstone Shops	Retail	Shopping Centre	Small	1710		40		38		1532	2.2		
173	UoC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	1670		123		105		1635	6.3		
176	UoC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	1670		136		110		1450	6.6		
177	UoC	Christchurch	Fendalton	Holmwood/Rossall Shops	Retail	Shopping Centre	Small	250		3	36	22		1630	8.8		
178	UoC	Christchurch	Avonhead, Chch	Avonhead Mall	Retail	Shopping Centre	Small	1600	34 fulltime 10 part-time employees	71	15	68	15	1715	5.2		
179	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	1410		104	25	67	20	1630	6.2		
180	UoC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2656	57 fulltime, 32 part-time employees	123		101		1545	3.8		
181	UoC	Christchurch	Avonhead	Avonhead Mall	Retail	Shopping Centre	Small	1800		74	13	62		1510	3.4		
183	UoC	Christchurch	Bryndwr	Wairakei/Greens Shops	Retail	Shopping Centre	Small	3960		125		49		1605	1.2		
184	UoC	Christchurch	Avonhead	Avonhead Mall	Retail	Shopping Centre	Small	1800				55		1640	3.1		
185	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	1410	23 full-time staff, 11 part-time staff	104		65		1700	4.6		
186	UoC	Christchurch	Avonhead	Avonhead Mall	Retail	Shopping Centre	Small	1800		100		67		1630	3.7		
187	UoC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2656		123		106	26	1535	5.0		
188	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	1410				22		1620	1.6		
189	UoC	Christchurch	Ilam	Waimairi/Maldstone Shops	Retail	Shopping Centre	Small	1710		41		29		1555	1.7		
190	UoC	Christchurch	Avonhead	Stavely/Withells	Retail	Shopping Centre	Small	785		27	15	9	7	1615	2.0		
192	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	1410		101		68		1630	4.8		
193	UoC	Christchurch	Ilam	Waimairi/Maldstone Shops	Retail	Shopping Centre	Small	1710		40		19		1538	1.1		
194	UoC	Christchurch	Avonhead	Avonhead Mall	Retail	Shopping Centre	Small	2020				73		1635	3.6		

PARKING DEMAND AND TRIP GENERATION SURVEY

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS			
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY					
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time											
314																							Centre turnover approx 80% of normal levels due to alterations
8	72	72	144		89	98	187	1500-1600	512	490	1002	0800-1600	22.2	28.9	154.6								
9									173	161	334	0800-1600			133.6								
10	73	67	140		31	30	61	1500-1600	299	294	593	0800-1600	33.5	14.6	141.9								
15					101	104	205		787	767	1554	0900-1800		16.1	122.1								
16					67	60	127		584	547	1131	0800-1800		13.7	121.9								
18					34	37	71		269	263	532	0900-1700		16.5	123.7								
99					220	220	440							15.1									
106	221	143	364		234	237	471						12.5	16.2									
116																							Afternoon, winter ski season, 5 weeks of the year, Off street spaces : 103 public and 71 private, Town Centre employment retail:180, commcl admin:169, industry:204
125					55	63	118	1630-1730						11.8									
170																							
171																							
172					106	108	214	1535-1635						12.5									
173					236	227	463	1530-1630						27.7									
176					249	261	510	1525-1625						30.5									
177					77	80	157	1608-1708						62.8									
178					192	191	383	1630-1730						23.9									High t/gen linked to use of carpark for school pick-ups after school
179																							
180					243	243	486	1600-1700						18.3									
181					33	39	72	1425-1525						4.0									
183					121	116	237	1540-1640						6.0									
184																							
185					120	131	251	1625-1725						17.8									
186																							
187									489	568	1057	1545-1845 (3hrs)			39.8								
188					68	80	148	1600-1700						10.5									
189																							
190					64	63	127	1615-1715						16.2									
192					131	131	262	1330-1430						18.6									
193					79	86	165	1630-1730						9.6									
194									343	358	701				17.7								

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description			GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
197	UoC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2656		123		122		1625	4.6		
199	UoC	Christchurch	Fendalton	Holmwood/Rossall Shops	Retail	Shopping Centre	Small	250		3	36	25		1403	10.0		
200	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	1410		102		66	37	2020	8.7		
201	UoC	Christchurch	Ilam	Waimairi/Maidstone Shops	Retail	Shopping Centre	Small	1710		40	28	28		1604	1.6		
202	UoC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2656		169		109		1545	4.1		
203	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	1279	15 fulltime, 35 part-time employees	100		71		1625	5.6		
204	UoC	Christchurch	Avonhead	Avonhead Mall	Retail	Shopping Centre	Small	3497		167							
206	UoC	Christchurch	Ilam	Wairakei/Greens Shops	Retail	Shopping Centre	Small	3540		120		108		1530	3.1		
208	UoC	Christchurch	Avonhead	Avonhead Mall	Retail	Shopping Centre	Small	3497		164		134		1535	3.8		
209	UoC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2656		180		96		1505	3.6		
210	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	2336	27 fulltime employees	102		77		1530	3.3		
212	UoC	Christchurch	Ilam	Waimairi/Maidstone Shops	Retail	Shopping Centre	Small	1690		28		24		1540	1.4		
214	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	2336		99		108		1530	4.6		
217	UoC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2656		180		143		1520	5.4		
218	UoC	Christchurch	Avonhead	Avonhead Mall	Retail	Shopping Centre	Small	3497	85 fulltime, 96 part-time employees	160		132		1500	3.8		
219	UoC	Christchurch	Ilam	Wairakei/Greens Shops	Retail	Shopping Centre	Small	3540	42 fulltime, 18 part-time employees	104		55		1505	1.6		
221	UoC	Christchurch	Ilam	Waimairi/Maidstone Shops	Retail	Shopping Centre	Small	1690		30		18		1110	1.1		
223	UoC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2656		180		162		1625	6.1		
224	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	2336	40 fulltime, 20 part-time employees	88		62		1540	2.7		
225	UoC	Christchurch	Avonhead	Avonhead Mall	Retail	Shopping Centre	Small	3497	65 fulltime, 12 part-time employees	168		146		1430	4.2		
228	UoC	Christchurch	Edgeware	Collomb/Edgeware Shops	Retail	Shopping Centre	Small	1040		32		39		1410	3.8		
230	UoC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2656	80 full time equivalent employees	180		132		1440	5.0		
231	UoC	Christchurch	Avonhead	Avonhead Mall	Retail	Shopping Centre	Small	3497		147		158		1505	4.5		
232	UoC	Christchurch	Ilam	Waimairi/Maidstone Shops	Retail	Shopping Centre	Small	1690	27 employees	28		17		1400	1.0		
233	UoC	Christchurch	Riccarton	Windmill Centre	Retail	Shopping Centre	Small	570		64		35		1537	6.1		
236	UoC	Christchurch	Ilam	Clyde/Ilam Shops	Retail	Shopping Centre	Small	2336	36 fulltime, 25 part-time employees	124		92		1540	3.9		
237	UoC	Christchurch	Addington	Addington Mall	Retail	Shopping Centre	Small	2000	16shops	49		47		1440	2.4		
271	CCC	Christchurch	Barrington Mall	Barrington Mall	Retail	Shopping Centre	Small	3610		228		123		1430	3.4		
272	CCC	Christchurch	Barrington Mall	Barrington Mall	Retail	Shopping Centre	Small	3610		228		60		1900	1.7		
273	CCC	Christchurch	Barrington Mall	Barrington Mall	Retail	Shopping Centre	Small	3610		228		105		1130	2.9		
280	CCC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2649		120		87		1130	3.3		
281	CCC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2649		120		28		1900	1.1		
282	CCC	Christchurch	Fendalton	Fendalton Mall	Retail	Shopping Centre	Small	2649		120		54		1230	2.0		
283	CCC	Christchurch	Halswell	Halswell Shopping Centre	Retail	Shopping Centre	Small	2626		182		96		1500	3.7		

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)											
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	AM	PM	DAILY	AM	PM	DAILY		
197					250	250	500	1530-1630						18.8						
199					4	2	6							2.4						
200					43	52	95	1830-1930						6.7						
201					154	159	313	1539-1639						18.3					Questionable t/gen rate	
202					265	272	537	1530-1630						20.2						
203					144	147	291	1600-1700						22.8						
204	235	235	470	1045-1145									13.4							
206					283	272	555	1530-1630						15.7						
208					240	235	475	1520-1620						13.6						
209					221	236	457	1245-1345						17.2						
210					117	117	234	1515-1615						10.0						
212																				
214					143	144	287	1500-1600						12.3						
217					261	272	533	1500-1600						20.1						
218					312	313	625	1500-1600						17.9						
219					176	187	363	1445-1545						10.3						
221	103	103	206	1045-1145									12.2							
223					329	329	658	1330-1430						24.8						
224					181	181	362	1430-1530						15.5						
225					317	310	627	1600-1700						17.9						
226																			Video, hot bread, bank, lawyers office	
230					291	279	570	1530-1630						21.5						
231					328	328	656	1550-1650						18.8						
232					125	116	241	1500-1600						14.3						
233					76	68	144	1445-1545						25.3						
236					168	169	337	1525-1625						14.4						
237					134	140	274	1540-1640						13.7						
271																			GLFA 2932	
272																				
273																				
280																				
281																				
282																				
283																				

**PARKING DEMAND AND TRIP GENERATION SURVEY**

Site No.	Source of Data	Territorial Local Authority	Suburb or Locality	Activity Name	Land Use Description			GFA (m <sup>2</sup> )	Other Size (please specify value and units eg employees, seats, rooms, beds, site area)	Parking Spaces Provided On-site	Other Parking Spaces Available On street and Off site	MAX ON-SITE PARKING DEMAND	MAX OFF-SITE PARKING DEMAND	(at time)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/100m <sup>2</sup> GFA)	SURVEYED TOTAL PARKING DEMAND RATE (spaces/other unit)	Other Unit (if applicable)
					Retail	Shopping Centre	Small										
284	CCC	Christchurch	Halswell	Halswell Shopping Centre	Retail	Shopping Centre	Small	2626		182		104		1900	4.0		
285	CCC	Christchurch	Halswell	Halswell Shopping Centre	Retail	Shopping Centre	Small	2626		182		112		1200	4.3		
298	CCC	Christchurch	St Martins	St Martins Shopping Centre	Retail	Shopping Centre	Small	2500		226		162		1430	6.5		
299	CCC	Christchurch	St Martins	St Martins Shopping Centre	Retail	Shopping Centre	Small	2500		226		52		2030	2.1		
300	CCC	Christchurch	St Martins	St Martins Shopping Centre	Retail	Shopping Centre	Small	2500		226		85		1430	3.4		
356	MD	Christchurch	Huntsbury	Centaurus Road Shops	Retail	Shopping Centre	Small	2300	17 FT staff, 5 PT staff, 5600 site area	52		21	39	1715	2.6		
424	Gabites Porter	Hamilton		5 Cross Roads	Retail	Shopping Centre	Small	4183	24 occupied shops			104		3:00pm	2.5		
425	Gabites Porter	Hamilton		5 Cross Roads	Retail	Shopping Centre	Small	4183	24 occupied shops			102		3:00pm	2.4		
426	Gabites Porter	Hamilton		5 Cross Roads	Retail	Shopping Centre	Small	4183	24 occupied shops			97		5:00pm	2.3		
427	Gabites Porter	Hamilton	Glenview	Ulrich Ave	Retail	Shopping Centre	Small	2300	20 occupied shops			67		3:00pm	2.9		
428	Gabites Porter	Hamilton	Glenview	Ulrich Ave	Retail	Shopping Centre	Small	2300	20 occupied shops			60		2:00pm	2.6		
429	Gabites Porter	Hamilton	Glenview	Ulrich Ave	Retail	Shopping Centre	Small	2300	20 occupied shops			67		2:00pm	2.9		
25	ATLA Study	North Shore	Browns By	Foodtown Anzac Ave	Retail	Supermarket		2765	50 employees	178		153		1145	5.5		
67	ATLA Study	Manakau	Cavendish	Pak'N Save	Retail	Supermarket		7860	75 employees	370		230		1145	2.9		
75	ATLA Study	Auckland	Grey Lynn	Foodtown	Retail	Supermarket		2249	63 employees	121		100		1700	4.4		
175	UoC	Christchurch	Upper Riccarton	Countdown	Retail	Supermarket		2340		240		88		1430	3.6		
198	UoC	Christchurch	Upper Riccarton	Countdown	Retail	Supermarket		2340		240		116		1600	5.0		
207	UoC	Christchurch	Upper Riccarton	Countdown	Retail	Supermarket		4609	403 employees	279		209		1450	4.5		
215	UoC	Christchurch	Upper Riccarton	Countdown	Retail	Supermarket		4608	402 employees	278		284		1705	6.2		
226	UoC	Christchurch	Upper Riccarton	Countdown	Retail	Supermarket		4607	401 employees	277		236		1725	5.1		
229	UoC	Christchurch	Edgeware	Edgeware Supervalue	Retail	Supermarket		2010		66		36		1615	1.8		
235	UoC	Christchurch	Upper Riccarton	Countdown	Retail	Supermarket		4606	400 employees	276		223		1620	4.8		
334	Hastings DC via J Chivers	Hastings	Fernhill	Cross Roads Winery	Rural	Winery		240	5.0ha, restaurant 50 seats			10 staff, 20 visitors			12.5		
335	Eliot Sinclair and Partners	Selwyn	Bumham	Giesen Wines	Rural	Winery		100	24 ha			10 cars, 1 bus			11.0		
456																	
457																	
458																	
459																	

PARKING DEMAND AND TRIP GENERATION SURVEY

Site No.	SURVEYED ARRIVAL/DEPARTURE FLOW (veh/hr) (State Time)												PEAK TRIP RATE (IN+OUT) (vph or vpd/100m <sup>2</sup> GFA)			PEAK TRIP RATE (IN+OUT) (vph or vpd/other unit)			Other Unit (if applicable)	NOTES AND COMMENTS	
	AM Peak (veh/hr)				PM Peak (veh/hr)				Daily (veh/day)				AM	PM	DAILY	AM	PM	DAILY			
	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time	IN	OUT	IN + OUT	time									
284																					
285																					
298																					GLFA 2215
299																					
300																					
356	59	68	127	1100-1200	98	195	293	1600-1700			1349	9hrs	5.5	12.7	56.7						Incl garden centre, smkt, rest/bar (see sites 357 & 358 for garden centre and rest/bar)
424																					Parking related to the development bounded by Fifth ave, Peachgrove Rd and Enderley Ave. It includes on street parking. Mixed use, no predominant attraction eg supermarket
425																					Parking related to the development bounded by Fifth ave, Peachgrove Rd and Enderley Ave. It includes on street parking. Mixed use, no predominant attraction eg supermarket
426																					Parking related to the development bounded by Fifth ave, Peachgrove Rd and Enderley Ave. It includes on street parking. Mixed use, no predominant attraction eg supermarket
427																					Mixture of shops. No predominant attraction such as supermarket. Area scaled from aerial.
428																					Mixture of shops. No predominant attraction such as supermarket. Area scaled from aerial.
429																					Mixture of shops. No predominant attraction such as supermarket. Area scaled from aerial.
25					199	242	441		1846	1801	3647	0900-1800		15.9	131.9						RFA 1559
67					266	253	519		2158	2008	4166	0930-1730		6.6	53.0						
75					201	199	400		1406	1325	2733	0900-1730			17.8	121.5					
175					166	154	320	1600-1700							13.7						
198					205	205	410	1600-1700							17.5						
207					310	304	614	1400-1500							13.3						
215					429	399	828	1600-1700							18.0						
226					423	394	817	1630-1530							17.7						
229																					
235					374	393	767	1600-1500							16.7						
334									63	63	126				52.5						Estimates based on other site surveys
335									20	20	40				40.0						Surveys 10/90 and 11/90, casual sales, no restaurant
456																					
457																					
458																					
459																					