



Traffic Volumes Monthly Report June 2010

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Quality Assurance Statement

Project Manager: Neil Beckett

Prepared by: Gerald Wen

Reviewed by: Neil Beckett

Approved for issue by:

Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	8/7/2010	First draft	Gerald Wen	Neil Beckett	

Overview

Summary

The purpose of this document is to report on the monthly traffic volume changes. This report also covers annual traffic trends for the period of 1989 to 2009.

The overall trend in traffic growth has continued to increase, although the trend has levelled off since 2006.

2009 has seen the first significant reduction in heavy vehicle growth for the last two decades since records began.

In June 2010, compared with June 2009, the monthly average daily traffic (MADT) for all vehicles increased by 2.2 percent; while the MADT for heavy vehicles increased by 3.8 percent.

In this report This report contains the following topics.

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Technical Notes

What is MADT and AADT

Monthly Average Daily Traffic (MADT) is the average of daily traffic volume measured in a given month.

A more commonly reported statistic term is Annual Average Daily Traffic (AADT), which measures the average of daily traffic volume over a given year.

Purpose

Monthly Average Daily Traffic (MADT) reporting enables us to provide a month-by-month indication of traffic trends, and to allow the effects of specific events (e.g. storms, fuel price shifts, economy, etc.) to be monitored.

Sample coverage

There are 92 telemetry¹ sites in use on the state highway network to provide this traffic data.

The table below shows the number of sites in each NZ Transport Agency region. These numbers represent the sample sizes that are used to report the regional MADT results.

NZ Transport Agency Region	Number of Telemetry Sites
Northland and Auckland	18
Waikato and Bay of Plenty	22
Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne	15
Wellington, Nelson, Marlborough and Tasman	13
Canterbury and West Coast	11
Otago and Southland	13

Sources of variation in MADT

The number of weekends in a specific month can affect the MADT comparison between years. Also, public holidays that can occur in different months can also affect the ability for direct comparison between years. This report does not attempt to compensate for these variations.

¹ Telemetry sites are continuously monitored 24/7.

Key Results

The annual national State Highway Traffic Index ¹ measures the rate of traffic growth since 1989.

Overall

In the last two decades, the overall annual trend in traffic growth, up to 2005, has continued to increase. The index for heavy vehicles increased at a higher rate than the all vehicles index since 1999.

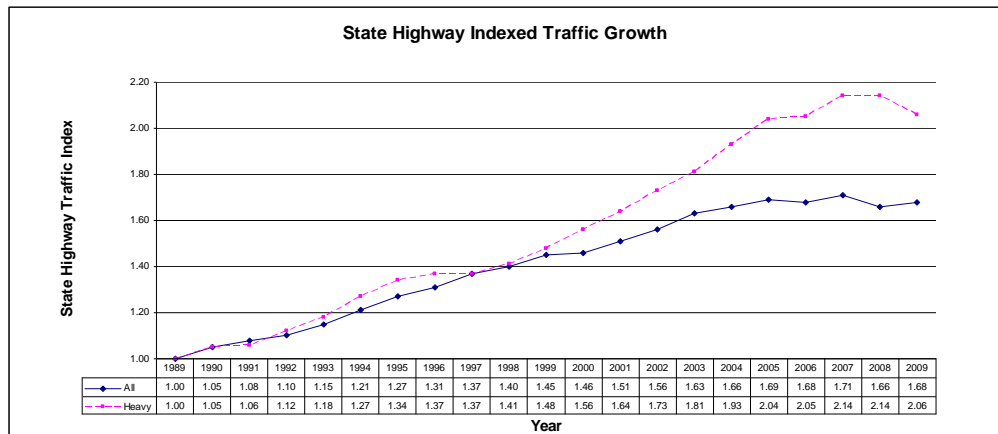
2009 All Vehicles

In 2009, there has been an increase of approximately 1% in the total number of vehicles using the State Highway network, compared to 2008. The all vehicle growth index returned to the same level as observed in 2006.

2009 Heavy Vehicles

In 2009, there has been a reduction of approximately 4% in heavy vehicles using the State Highway network, compared to 2008. The heavy vehicle growth index returned to similar levels as observed in 2006.

National growth (annual)



¹ Weighted average traffic across the National telemetry sites

**Results:
Monthly
traffic at key
sites**

Five key sites have been selected to represent five main centres in NZ.

The MADT values for May 2010, May 2009 and percentage of difference compared are reported in the table below.

Note the MADT values include all vehicles.

Site	City	MADT (All Vehicles) June-09	MADT (All Vehicles) June-10	% Change
Auckland harbour bridge (SH1)	Auckland	153306	152393	-1%
Taupiri (SH1)	Hamilton	12699	14169	12%
Ngauranga Interchange (SH 1 and SH 2)	Wellington	85572	86695	1%
DUNSANDEL (Best Alternative)	Christchurch	8786	8840	1%
Burnside	Dunedin	25545	26473	4%

In June 2010, the MADT values for the sites representing Hamilton had an increase of 12%, while Wellington, Christchurch and Dunedin had an increase of between 1% and 4%. Only Auckland showed a decrease, compared to the same period in the previous year.

It is noted that the sites representing Hamilton and Christchurch are not within the city boundary. More suitable sites have now been installed and once 13 months of data is available we will provide data for use within this report.

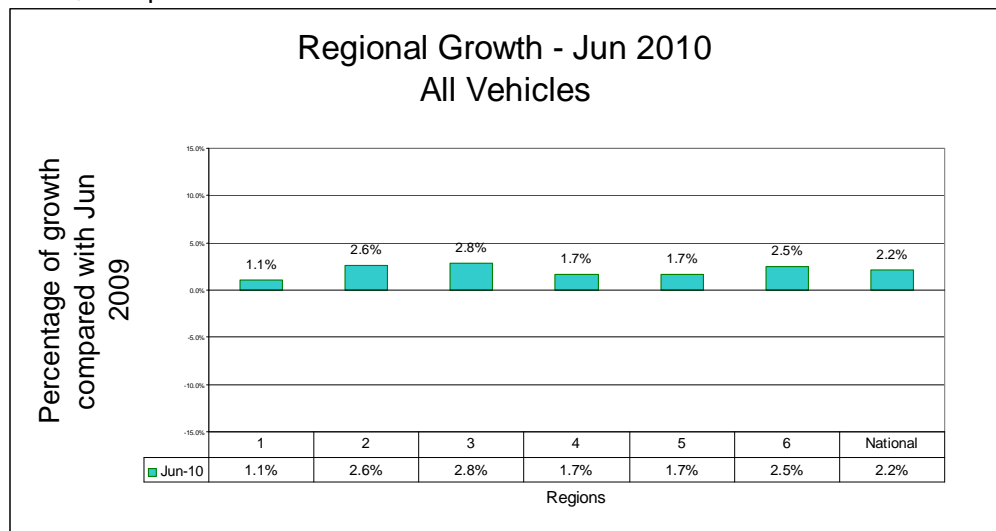
Please also note that the required accuracy for the delivery of data at a single site is +/- 5%, so the above figures may be within this tolerance.

Results: All Vehicles

Regions

Comparisons across the NZ Transport Agency regions have also been carried out.

The graph below shows the percentage of difference compared with the same period in 2009. The MADT values here represent all vehicle types. It can be observed that most regions had an increase of between 1.1% and 2.8%¹. Nationally, the MADT in June 2010 for all vehicles had an increase of 2.2%², compared with June 2009.



NZTA Region Number	NZTA Region
1	Northland and Auckland
2	Waikato and Bay of Plenty
3	Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne
4	Wellington, Nelson, Marlborough and Tasman
5	Canterbury and West Coast
6	Otago and Southland

More graphs

The graphs (same as above) dated back to January 2007 are attached to this report.

All sites

A table of MADT (all vehicles) values for all national telemetry sites is attached to this report.

¹ Regional MADT Growth – Sum of weighted growth of the telemetry sites in a region.

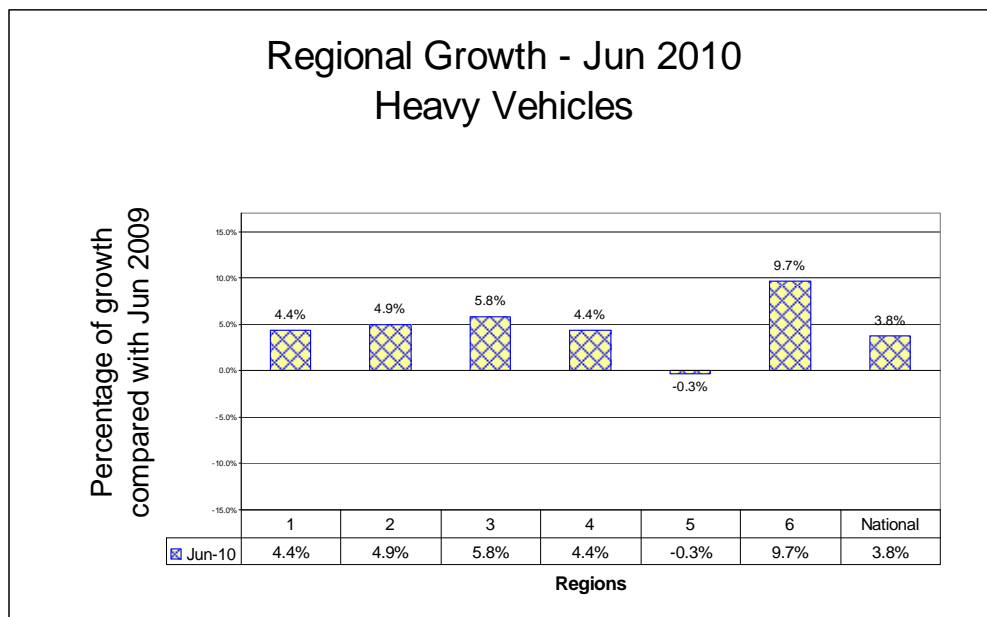
² National MADT Growth – Average growth of the entire telemetry sites (not weighted).

Results: Heavy Vehicles

Regions

Comparisons across the NZ Transport Agency regions have also been carried out, focusing on heavy vehicles¹.

The graph below shows the percentage of difference compared with the same period in 2009. The MADT values here represent heavy vehicles only. It can be observed that most regions had an increase of between 4.4% and 9.7%², except the region 5 which showed a slight decrease. Nationally, the MADT in June 2010 for heavy vehicles has increased by 3.8%³, compared with June 2009.



NZTA Region Number	NZTA Region
1	Northland and Auckland
2	Waikato and Bay of Plenty
3	Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne
4	Wellington, Nelson, Marlborough and Tasman
5	Canterbury and West Coast
6	Otago and Southland

More graphs

The graphs (same as above) dated back to January 2007 are attached to this report.

All sites

A table of MADT (heavy vehicles) values for all national telemetry sites for 2009 is attached to this report.

¹ Heavy vehicles are those with a gross vehicle mass exceeding 3.5 tonnes.

² Regional MADT Growth – Sum of weighted growth of the telemetry sites in a region.

³ National MADT Growth – Average growth of the entire telemetry sites (not weighted).

Appendices

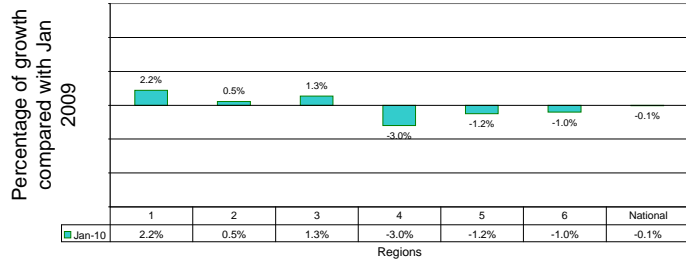
Current and Previous Years Growth Graphs: 2010, 2009, 2008 and 2007

- All Vehicles
- Heavy Vehicles

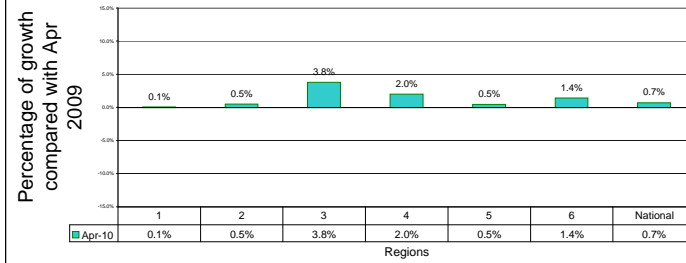
Telemetry Site MADT's for the past twelve months

- All Vehicles
- Heavy Vehicles

Regional Growth - Jan 2010
All Vehicles



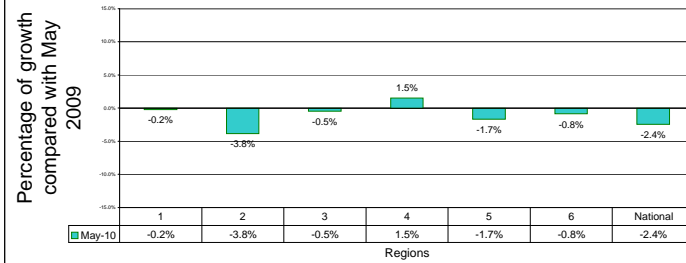
Regional Growth - Apr 2010
All Vehicles



Regional Growth - Feb 2010
All Vehicles



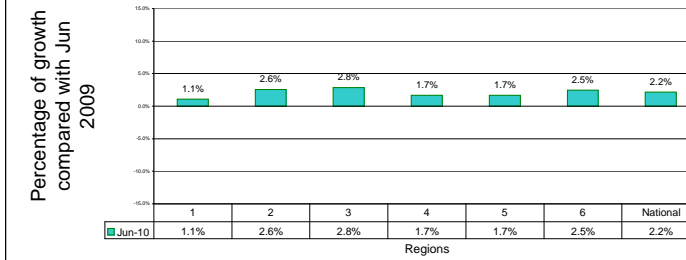
Regional Growth - May 2010
All Vehicles



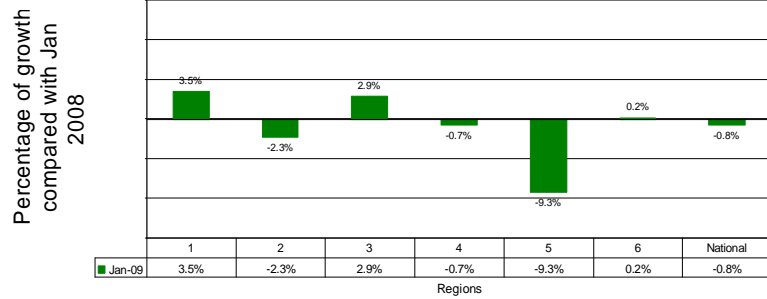
Regional Growth - Mar 2010
All Vehicles



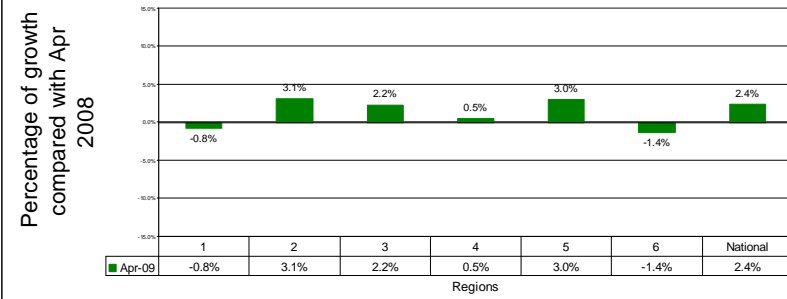
Regional Growth - Jun 2010
All Vehicles



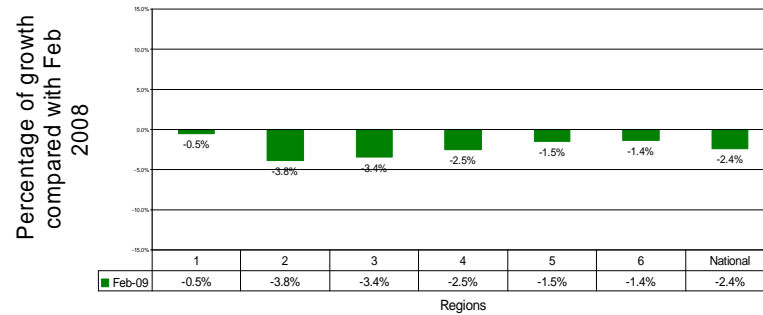
Regional Growth - Jan 2009
All Vehicles



Regional Growth - Apr 2009
All Vehicles



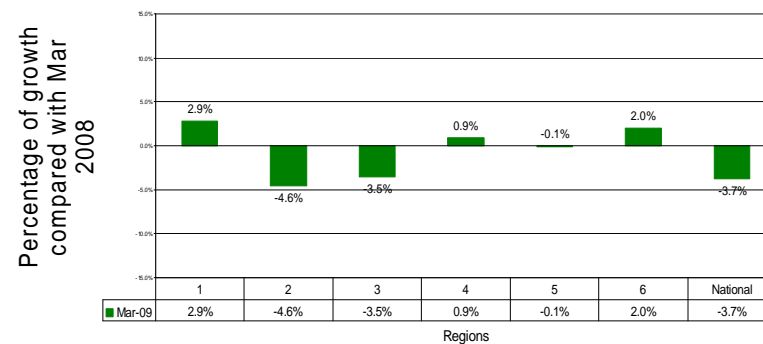
Regional Growth - Feb 2009
All Vehicles



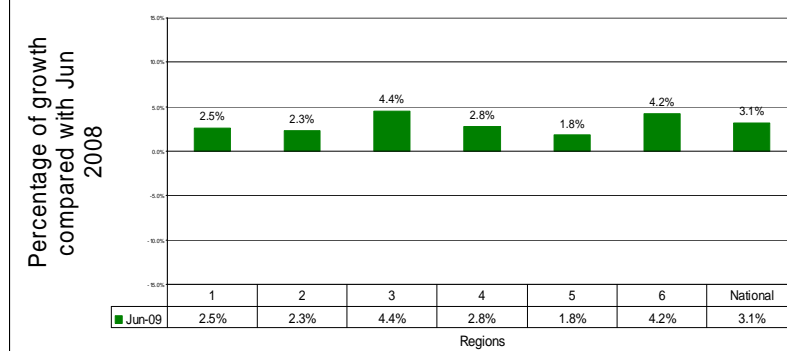
Regional Growth - May 2009
All Vehicles



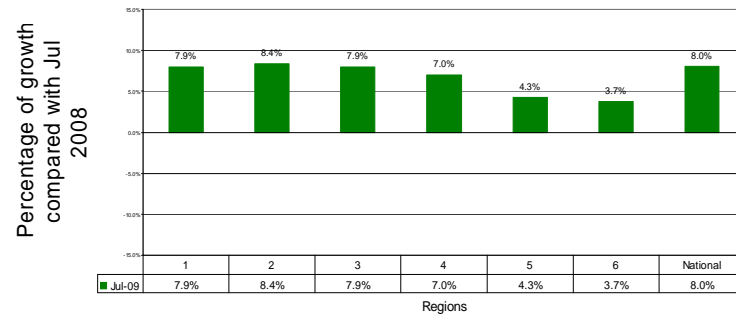
Regional Growth - Mar 2009
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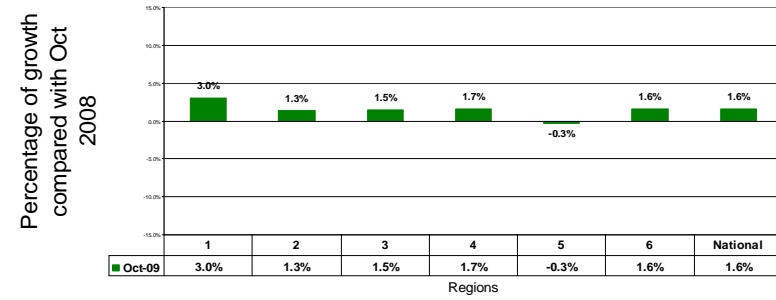
Regional Growth - Jun 2009
All Vehicles



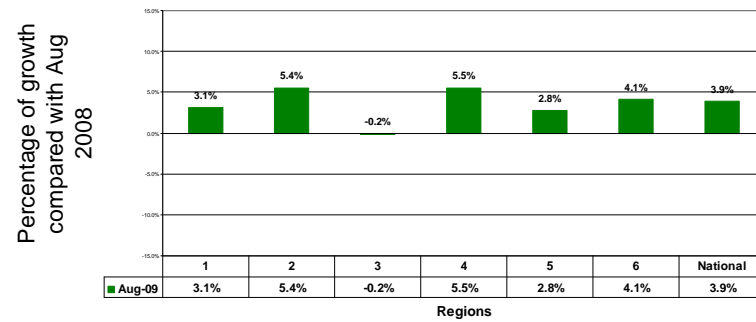
Regional Growth - Jul 2009
All Vehicles



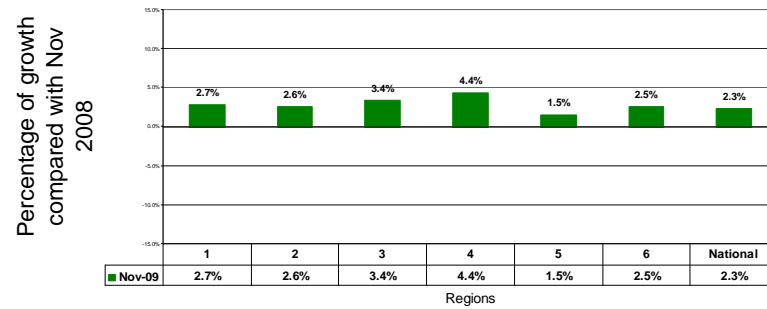
Regional Growth - Oct 2009
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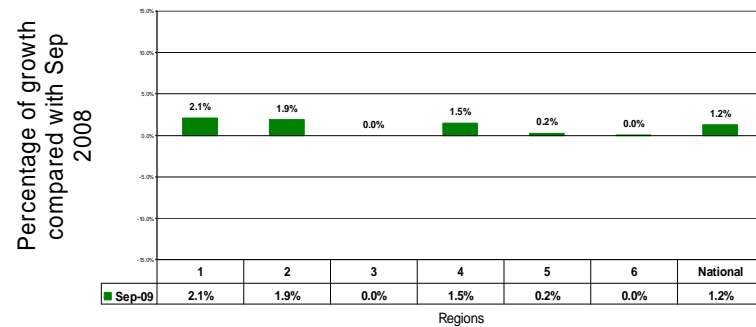
Regional Growth - Aug 2009
All Vehicles



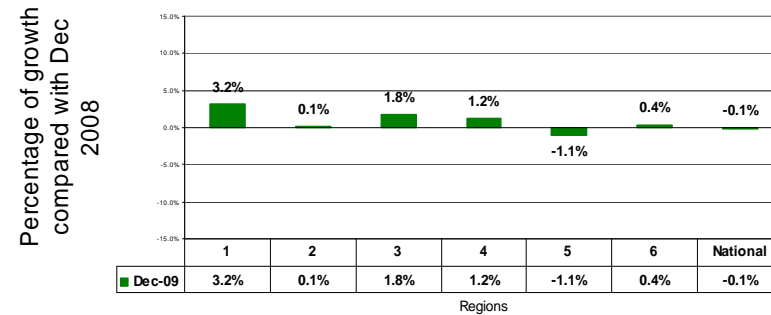
Regional Growth - Nov 2009
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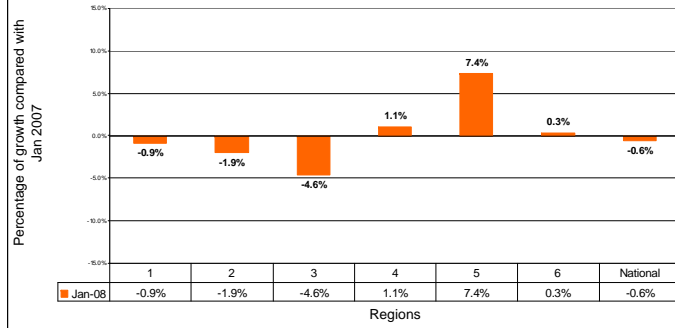
Regional Growth - Sep 2009
All Vehicles



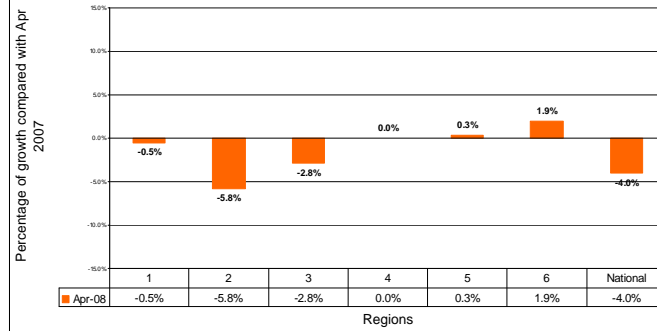
Regional Growth - Dec 2009
All Vehicles



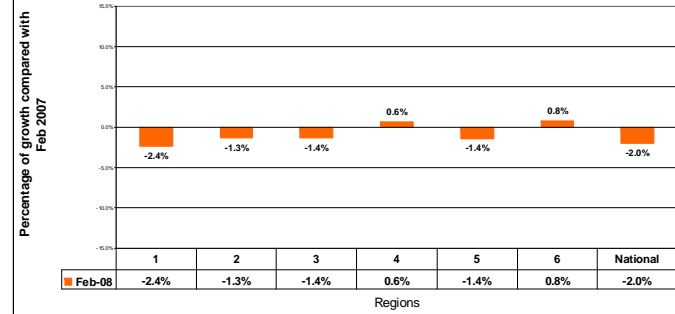
Regional Growth - Jan 2008
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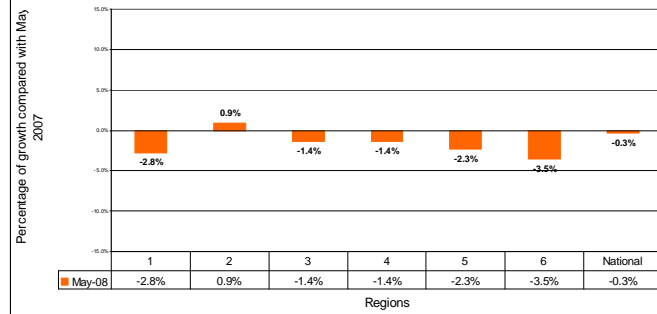
Regional Growth - Apr 2008
All Vehicles



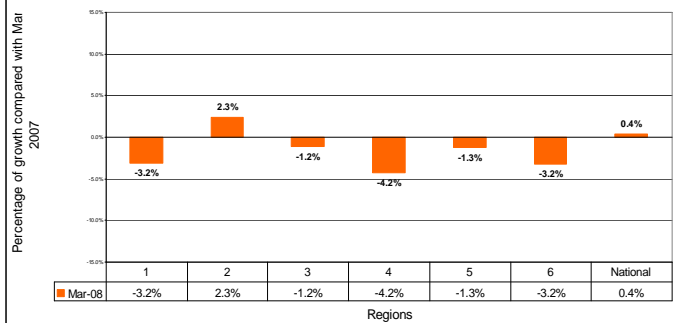
Regional Growth - Feb 2008
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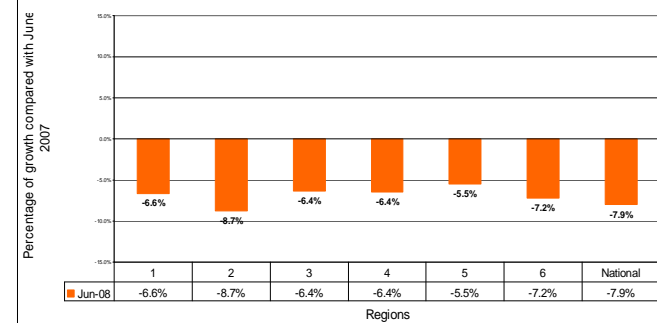
Regional Growth - May 2008
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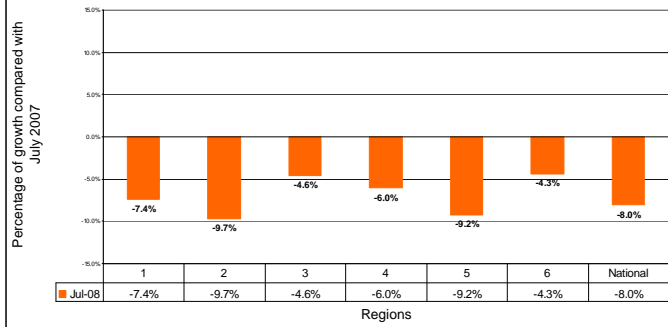
Regional Growth - Mar 2008
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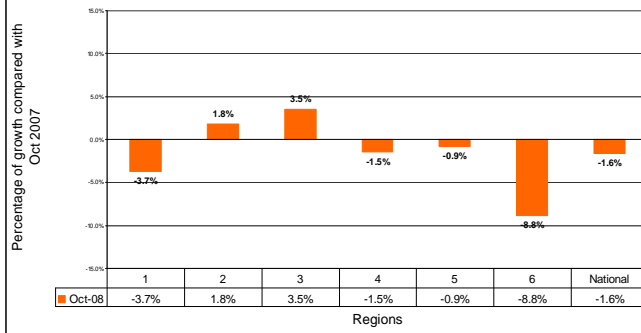
Regional Growth - June 2008
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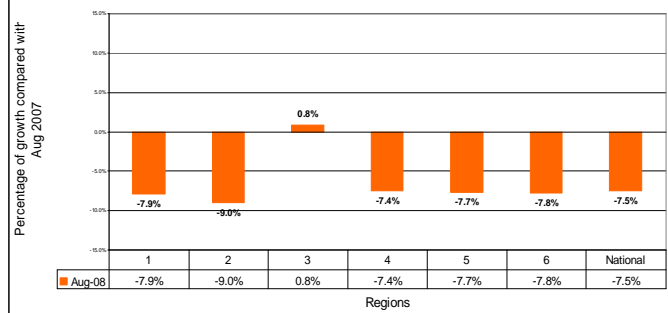
Regional Growth - July 2008
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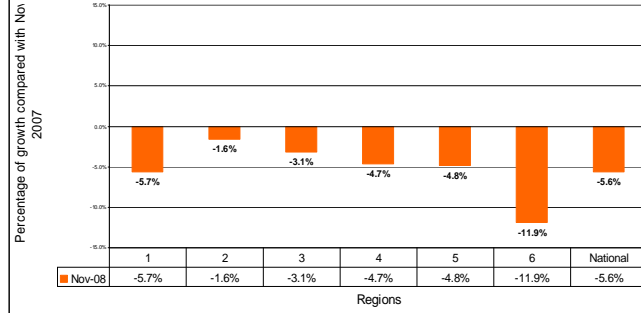
Regional Growth - Oct 2008
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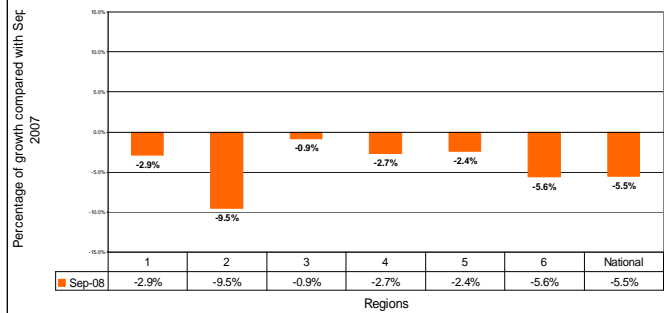
Regional Growth - Aug 2008
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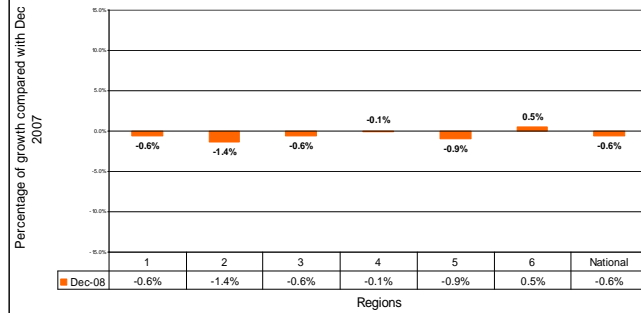
Regional Growth - Nov 2008
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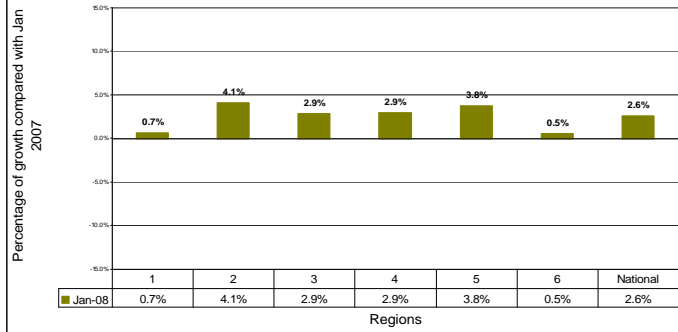
Regional Growth - Sep 2008
All Vehicles



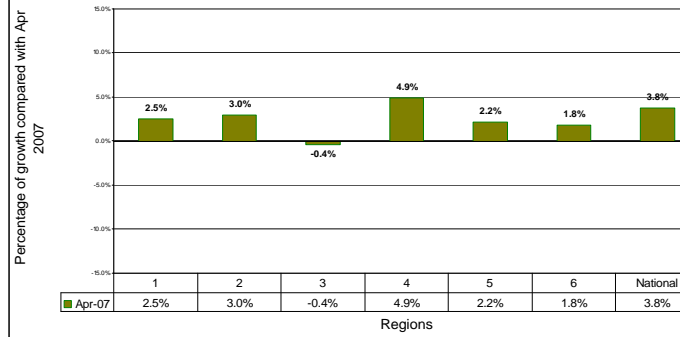
Regional Growth - Dec 2008
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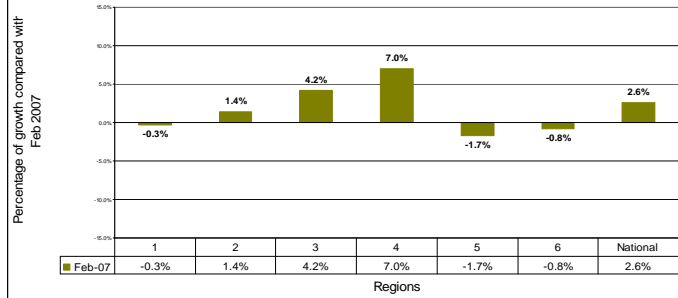
Regional Growth - Jan 2007
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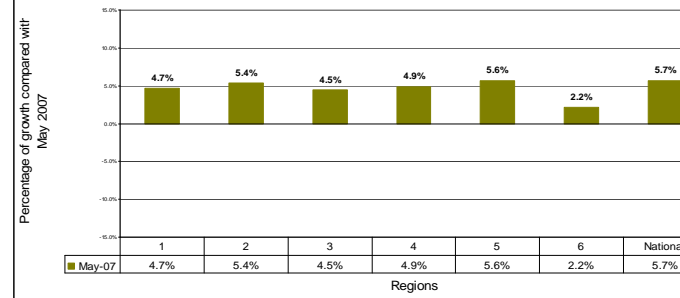
Regional Growth - Apr 2007
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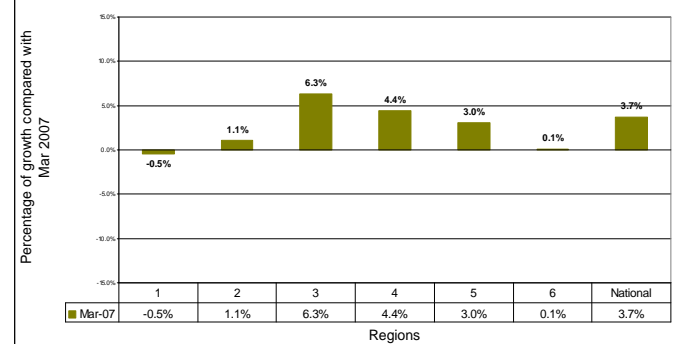
Regional Growth - Feb 2007
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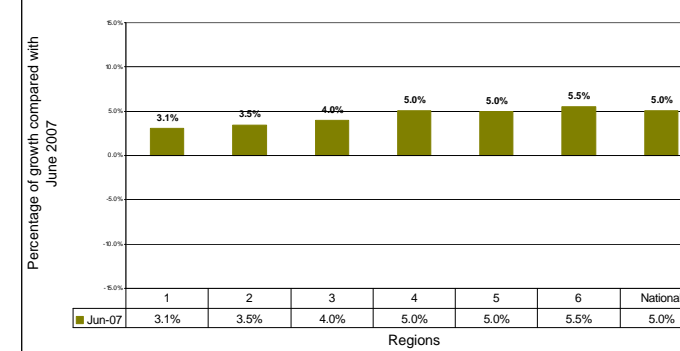
Regional Growth - May 2007
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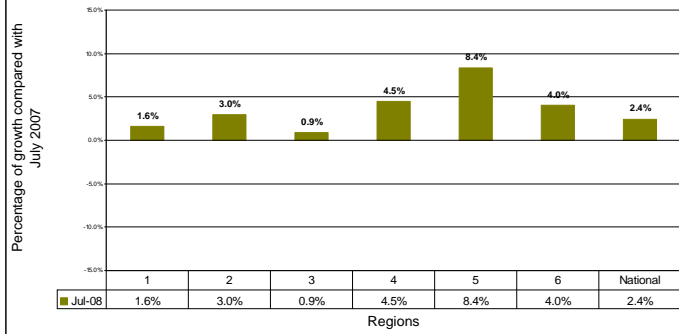
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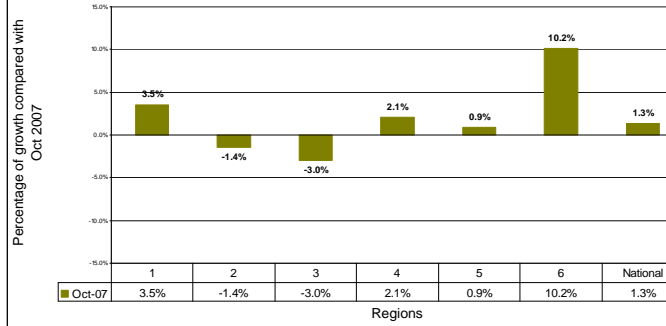
Regional Growth - June 2007
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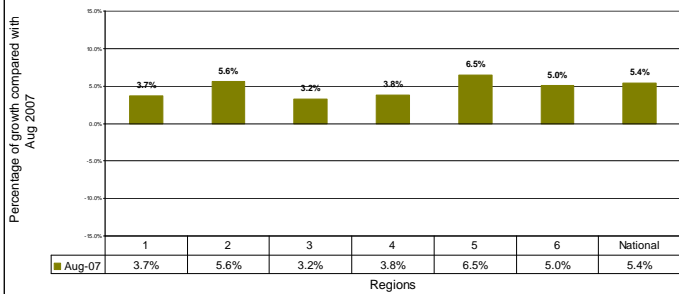
Regional Growth - July 2007
All Vehicles



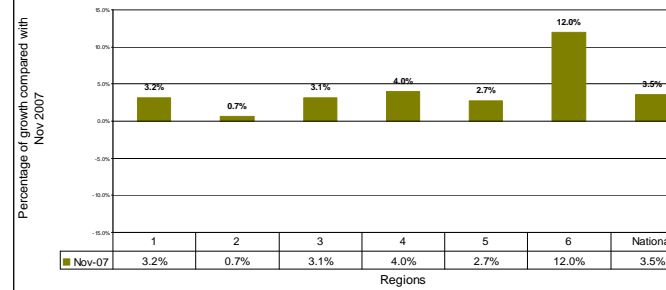
Regional Growth - Oct 2007
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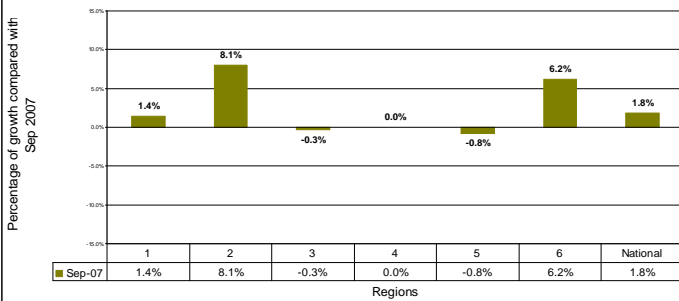
Regional Growth - Aug 2007
All Vehicles



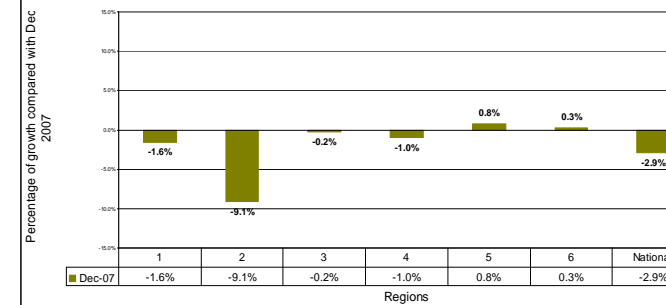
Regional Growth - Nov 2007
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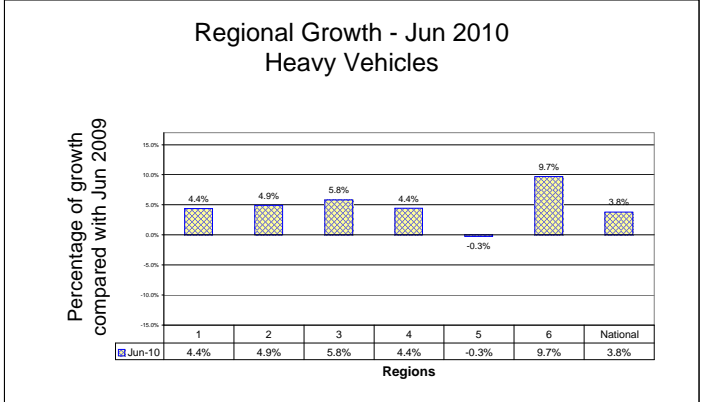
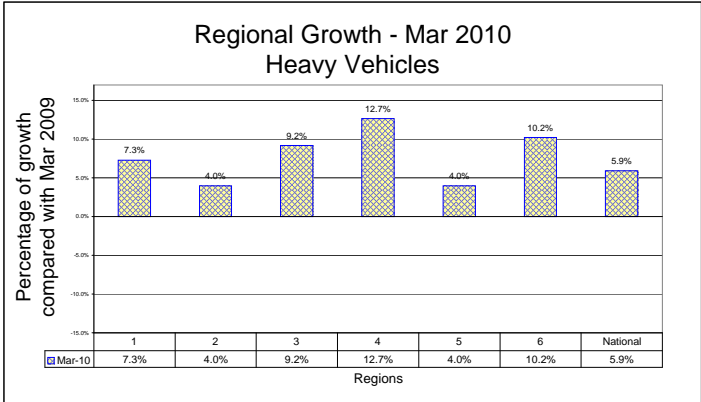
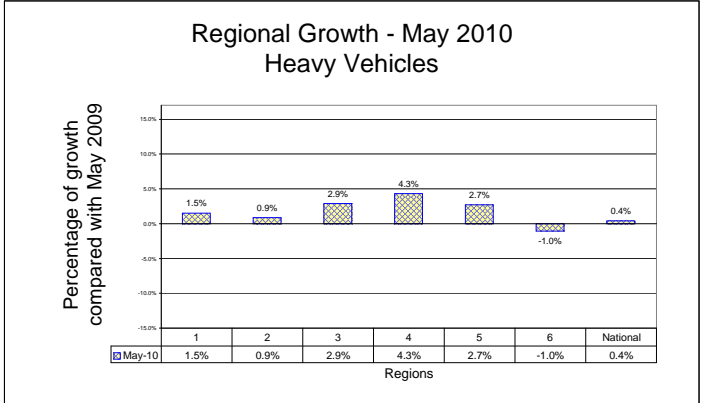
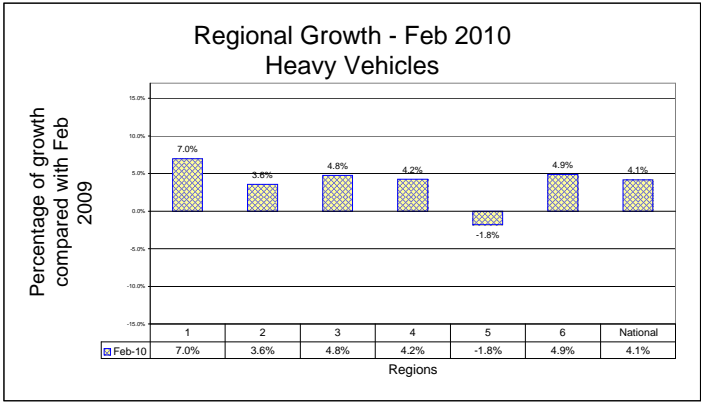
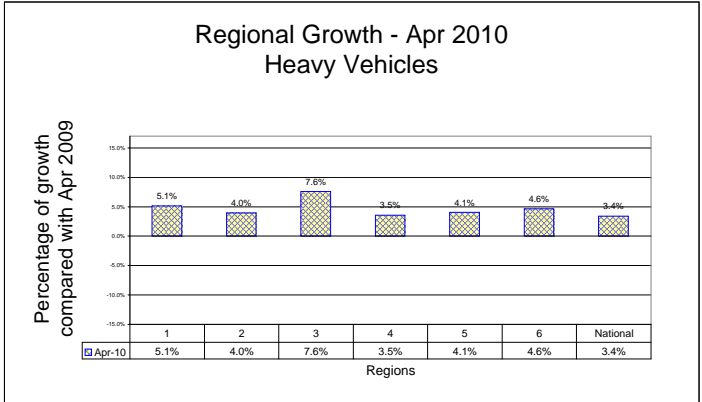
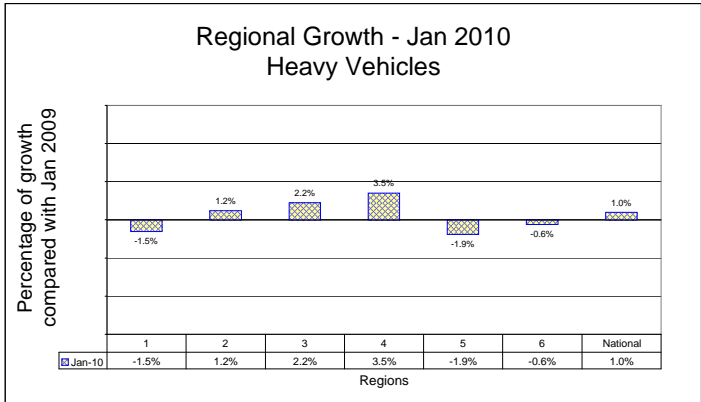


Regional Growth - Sep 2007
All Vehicles

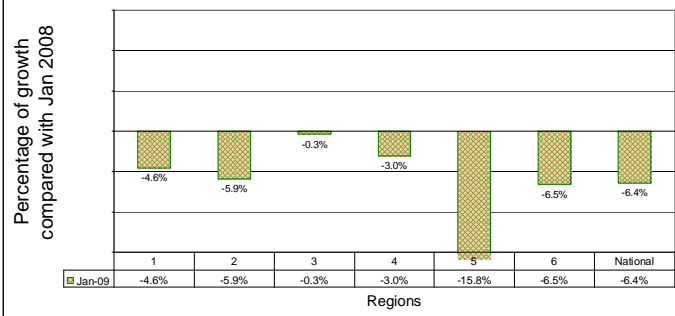


Regional Growth - Dec 2007
All Vehicles

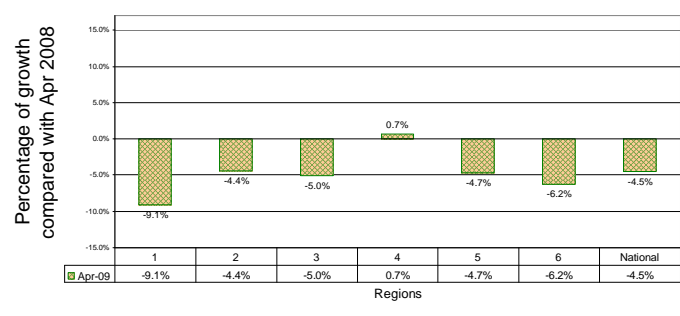




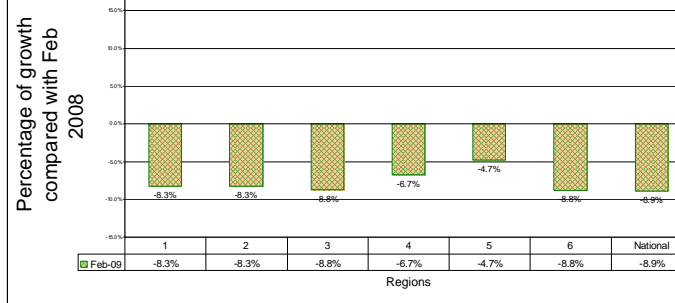
Regional Growth - Jan 2009
Heavy Vehicles



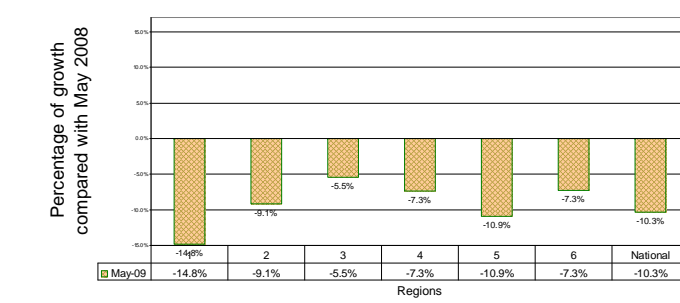
Regional Growth - Apr 2009
Heavy Vehicles



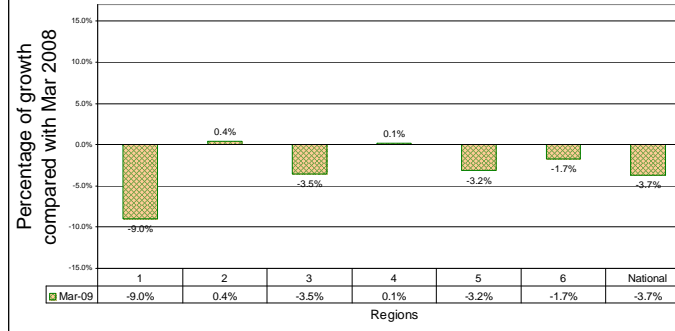
Regional Growth - Feb 2009
Heavy Vehicles



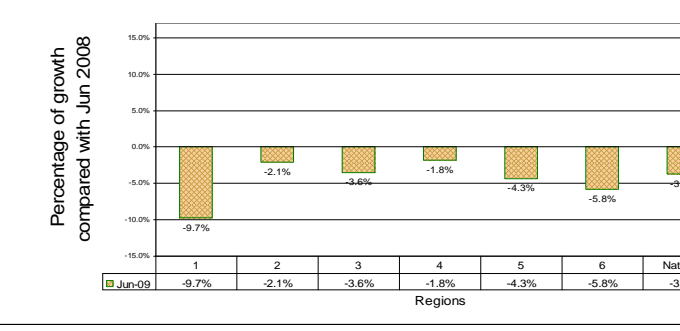
Regional Growth - May 2009
Heavy Vehicles

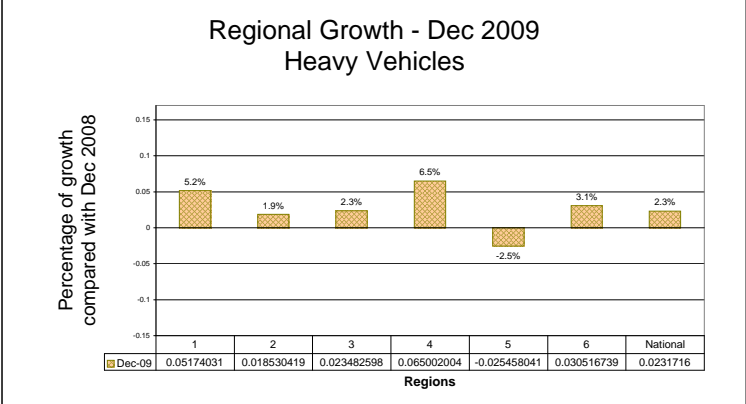
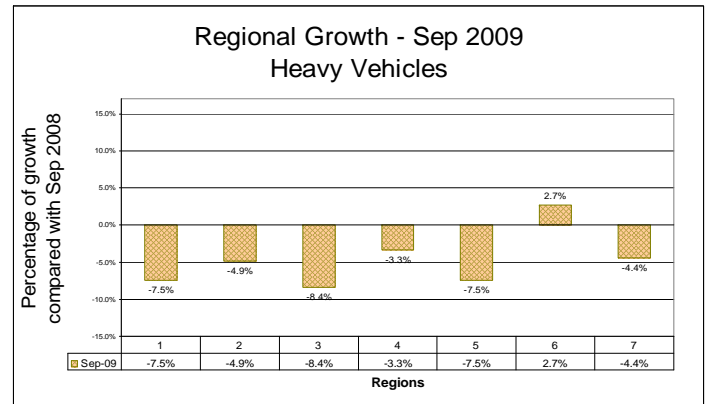
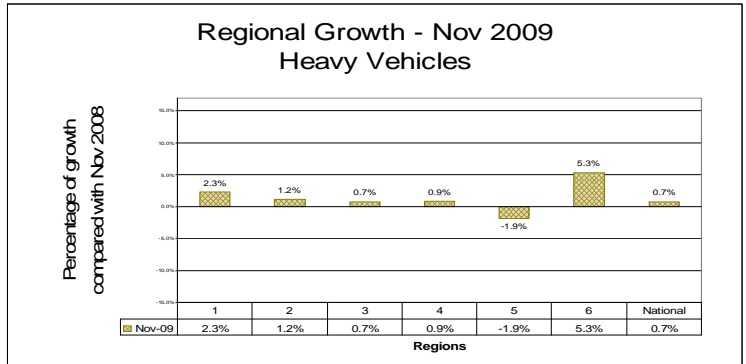
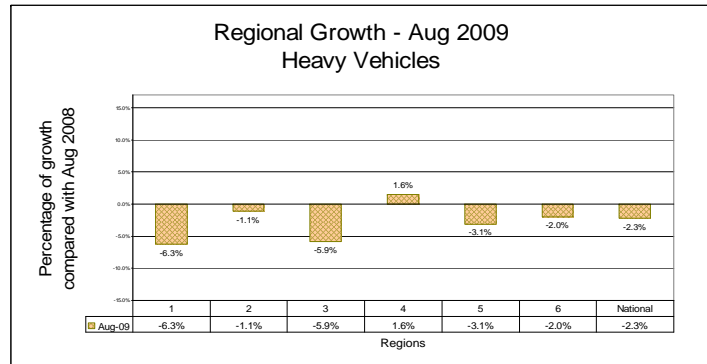
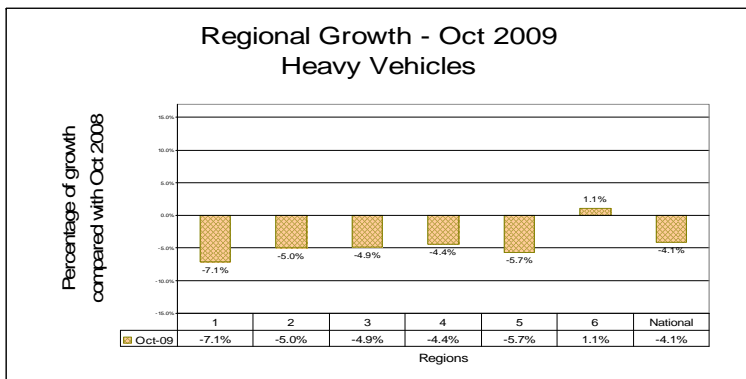
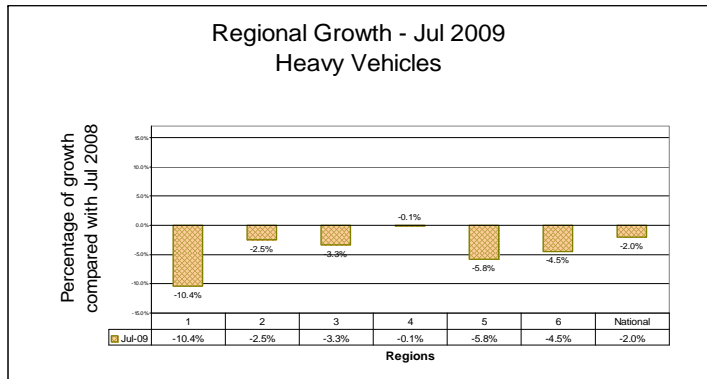


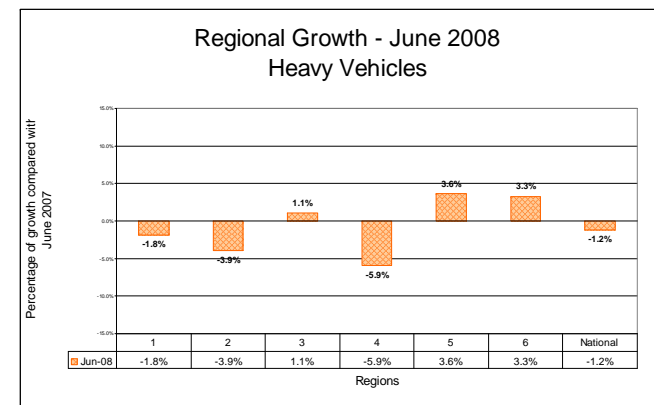
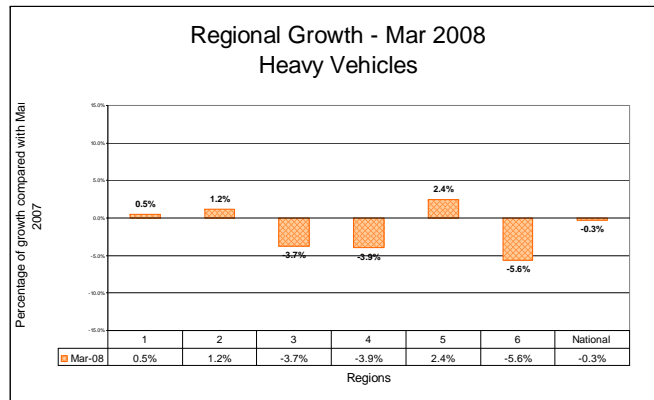
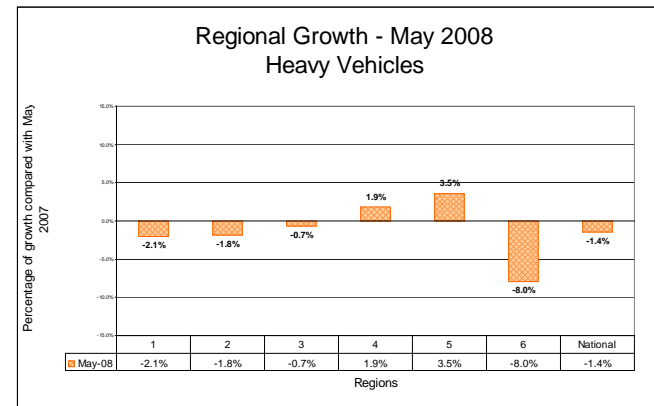
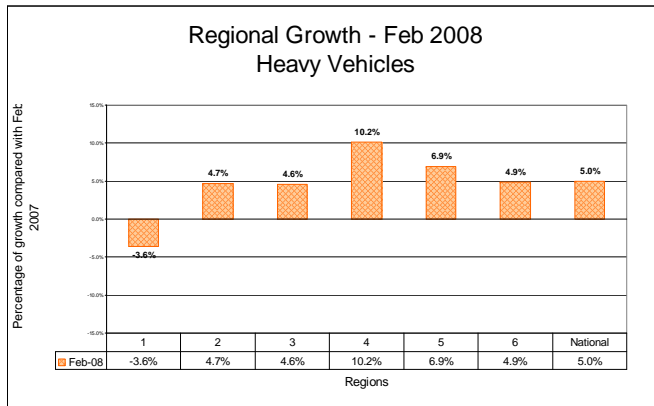
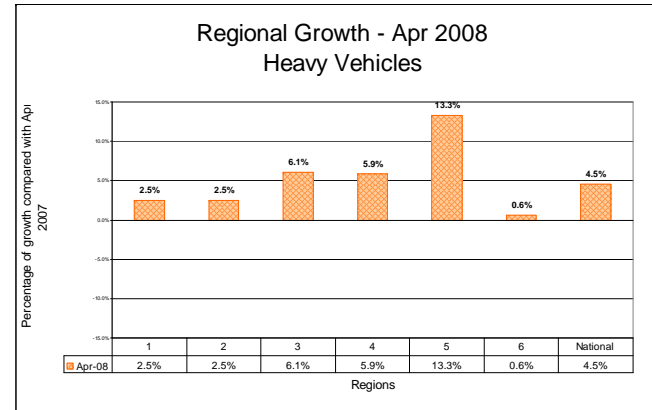
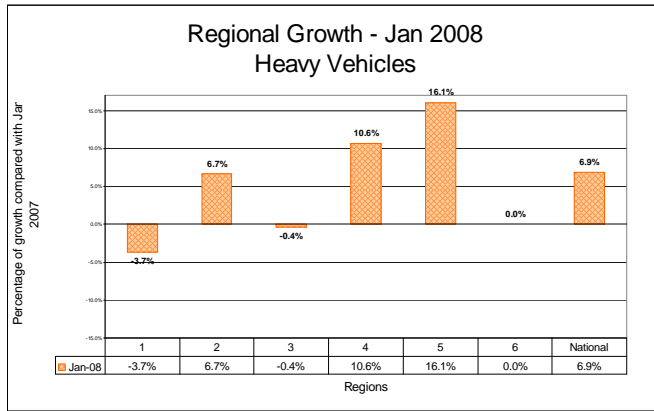
Regional Growth - Mar 2009
Heavy Vehicles



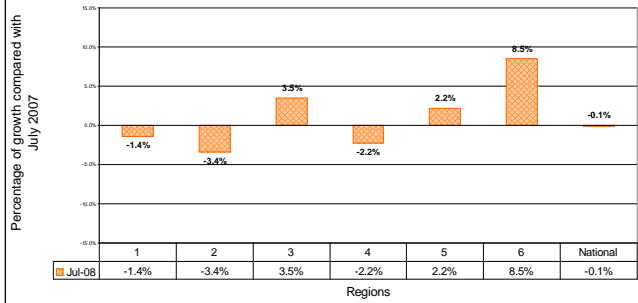
Regional Growth - Jun 2009
Heavy Vehicles



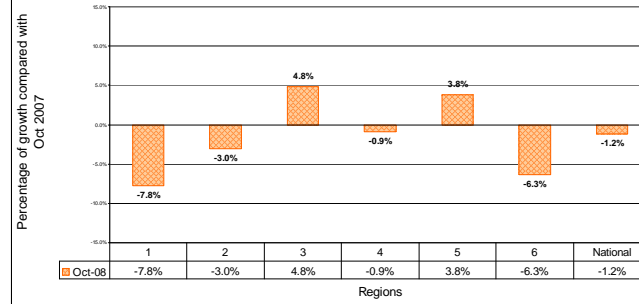




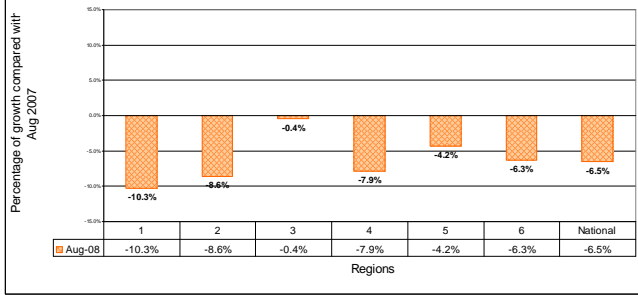
Regional Growth - July 2008
Heavy Vehicles



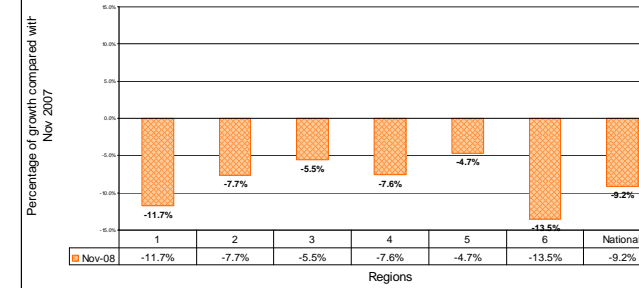
Regional Growth - Oct 2008
Heavy Vehicles



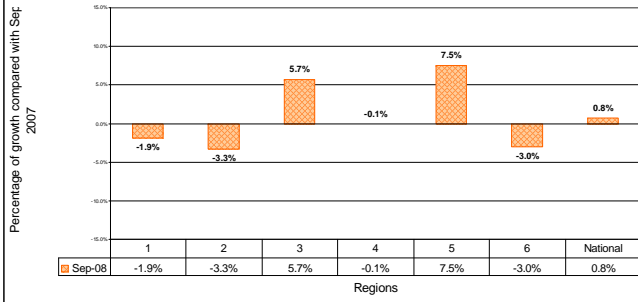
Regional Growth - Aug 2008
Heavy Vehicles



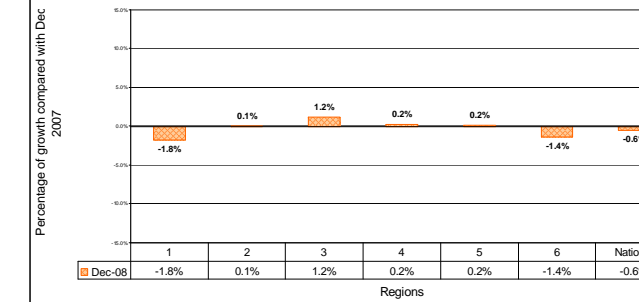
Regional Growth - Nov 2008
Heavy Vehicles



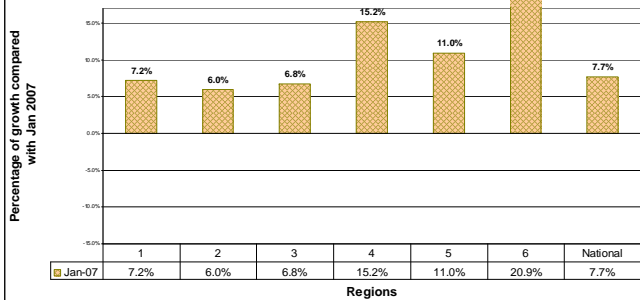
Regional Growth - Sep 2008
Heavy Vehicles



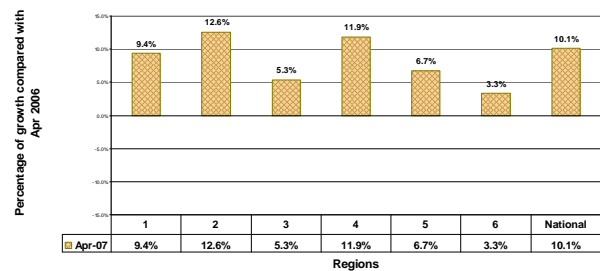
Regional Growth - Dec 2008
Heavy Vehicles



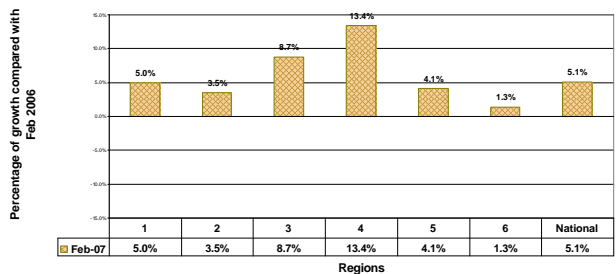
Regional Growth - Jan 2007 Heavy Vehicles



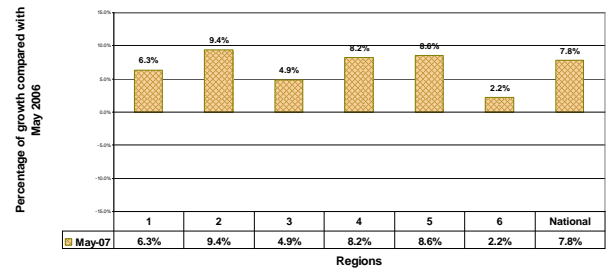
Regional Growth - Apr 2007 Heavy Vehicles



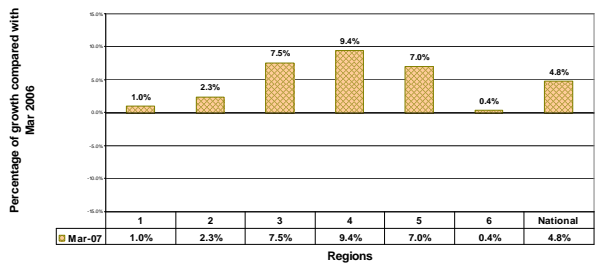
Regional Growth - Feb 2007 Heavy Vehicles



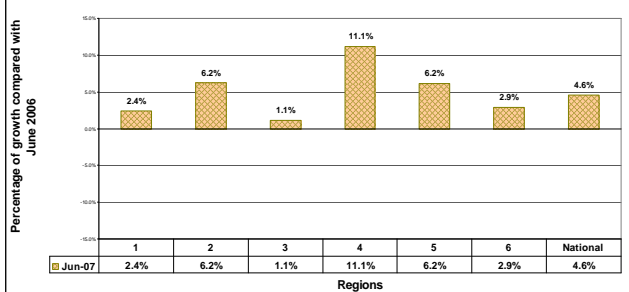
Regional Growth - May 2007 Heavy Vehicles



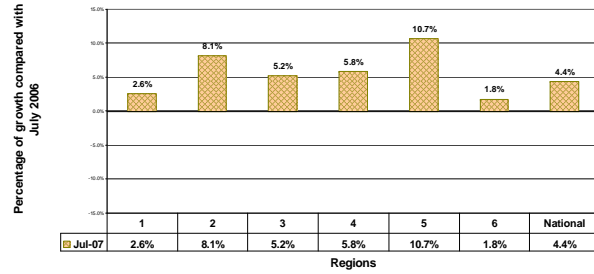
Regional Growth - Mar 2007 Heavy Vehicles



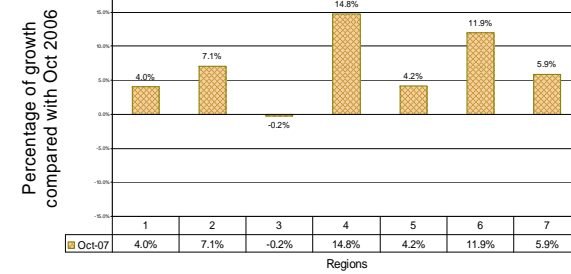
Regional Growth - June 2007 Heavy Vehicles



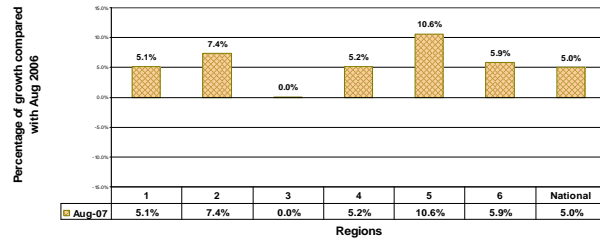
Regional Growth - July 2007 Heavy Vehicles



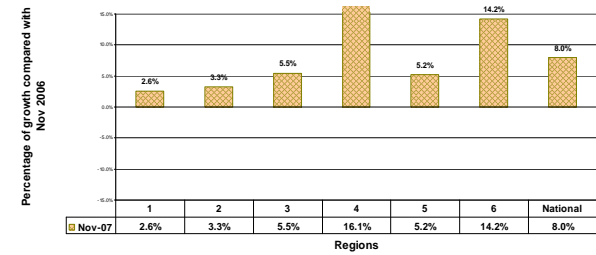
Regional Growth - Oct 2007 Heavy Vehicles



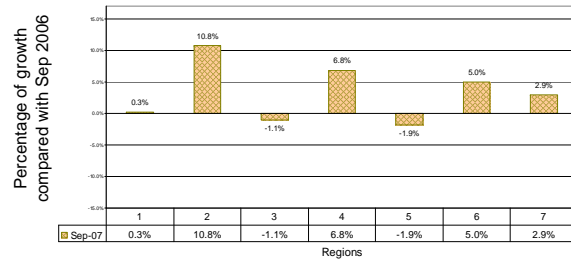
Regional Growth - Aug 2007 Heavy Vehicles



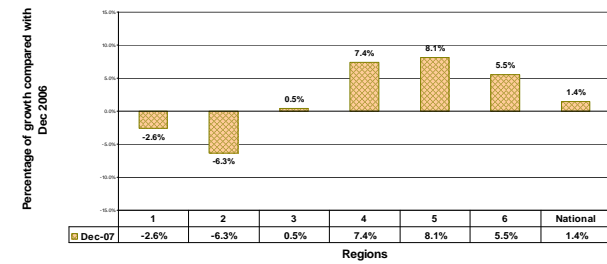
Regional Growth - Nov 2007 Heavy Vehicles



Regional Growth - Sep 2007 Heavy Vehicles



Regional Growth - Dec 2007 Heavy Vehicles



Telemetry Site MADT All Vehicles

NZTA Region	Site Ref	Description	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
1	ID:01N00212	KAWAKAWA	5205	5419	5241	5365	6123	6245	7049	7635	6772	6312	6452	5345	5351
1	ID:01O00029	Sth of Takou Bay Rd		3027	3045	3235		3540	3927		3994	3787		3085	3081
1	ID:01N00274	Nth of Maungakaramea Rd		13055	12650			13959	14688		14706	14424	14545		
1	ID:01200220	East of Brynderwyn Brg 161					2665	2847	2900			3037	2838	2595	
1	ID:01N00130	Nth of Ramseys Brg			916	1032	1068	1121	1293			1194	1197		998
1	ID:01N00265	Sth of Selwyn Avenue		20620							22947			22081	
1	ID:01700006	HATFIELDS BEACH	5058	5296	5227	5250	5819	5827	6733	7302	6473	5843	5829	5100	4862
1	ID:01N10459	DRURY - SB	26292	27896	27036	27417			31856	30074	30620	30113	29833	27716	27361
1	ID:01N20459	DRURY - NB	27008	28085	27273	27320			30272	30654	31181	30211	30070	27994	27475
1	ID:01N00339	WELLSFORD			7663	7655	9084	8871	10198	11878	10071	9173	9761	7941	7450
1	ID:01N10440	PANAMA Rd - SB	58263	60209	59576	62168	60956	62539	60908	56292	62318	63014	60094	59742	
1	ID:01N20440	PANAMA RD - NB	55650	57546	57434	59628	58768	59448	57442	54884	59272	59335	56952	56372	
1	ID:01N10474	BOMBAY - SB	15594	16786	16016	16437	17991		17882		19253	17940	18975	16117	16237
1	ID:01N20474	BOMBAY - NB	16022	16705	16067	16165	17824		18367		19199	18064	18935	16267	16211
1	ID:01N00388	ALPURT	11232	11855	11483	11753	13558	13415	15868	17735	15341	14062	14483	12291	11978
1	ID:01N00424	Auckland Harbour Brg - Centre Span	76340	83792	82350	83580	83103	85173	83000	78228	83216	85638	79222	79507	78904
1	ID:01N10424	Auckland Harbour Brg - Left Clip-on	38479	39197	36782	38389	38020	38714	32275	30569	38195	38319	36956	38376	37096
1	ID:01N20424	Auckland Harbour Brg - Right Clip-on	38224	36471	38506	40429	40738	42678	42414	38134	42551	43334	40179	39868	36393
2	ID:00200002	MAUNGATAWHIRI	10976	11883	11138	11418	13193	12693	14430	17100	14336	13291	14240	11328	11300
2	ID:25A00011	NEEVESVILLE	2275	2503	2484	2567	3346	3101	4145	5385	3854	3272	3694	2387	2401
2	ID:02700011	KAIHERE	3645	3991	3760	3832	4215	4186	4676	4697	4568	4352	4511	3862	3793
2	ID:01N00526	TAUPIRI	19493	20987		19780	20927	20934	21832	21086	21695	20928	21182	19257	19825
2	ID:01N00620	LICHFIELD	8185	8663	8271	8689		9215	9139		9579	9288	9741	8293	8340
2	ID:00300085	TE KUITI	3796	4372	4063	4047	4276	3921	4590	4334	4164	4108	4207	3677	3954
2	ID:03200074	West of Taupo	628	752	711	739	787	847	832	995	835	747	854	591	665
2	ID:01N00580	KARAPIRO	12699	13687	13234	13898	14869	14950	15705	15817	15706	15175		13671	14169
2	ID:00200091	WAIHI	6507	6788	6509	6887	7608	7366	8656	10169				6729	6641
2	ID:01N00729	HALLETT'S BAY	4389	5530	4969	5005	5276	5350	5646	7208	5849	5131	5805	4271	4381
2	ID:01N00628	TOKOROA	7658	8200	7767	8113	8640	8625	9227	9191	9007	8664	8797	7634	7703
2	ID:00200141	TE PUNA	14666	15025	14810	14938	15733	16531	17635	16951	17150	16646	16425	15876	15343
2	ID:03010149	TE NGA	16464	16332	16606	16608	17083	17480	17846	16982	17512	17532	17016	16625	16588
2	ID:03020149	East end of Puarenga Brg (Dec)	16516	16369	16566	16565	17079	17489	17545	17222	17578	17542	17015	16716	16644
2	ID:00200204	OHINEPANEA	4260	4368	4302	4398	4895	4880	5469	5601	5067	4944	5117	4555	4344
2	ID:03000188	LAKE ROTOMA	2579	2670	2569	2706	2937	2969	3356	3677	3171	3056	3169	2753	2807
2	ID:03300030	Sth of Maungarangi Rd Paengaroa	4204	4342	5096	5156	4619	4207	4388	4799	4379	4224		3836	3603
2	ID:00500034	TARUKENGA	4686	4964	4710	4928	5375	5155	5623	5894	5463	5271	5731		4898
2	ID:02900034	KAIMAI	8352	8501	8421	8649	9421	9211	10106	10108	9676	9425	10014		8219
2	ID:00500057	WAIPA	6414	6970	6575	6685	7187	7363	7893	8545	7858	7557	7652	6574	6475
2	ID:00200176	TE PUKE	18694	18625	19086	19818	18917		20129	19392	19596	19846	20172	19572	18109
2	ID:00200242	AWAKERI	8452	8629	8442	8461	8926	9104	9600	9084	8995	9228	9200	8332	8279
3	ID:00200428	ORMOND	2171	2151	2134	2138	2398	2436	2529	2745	2695	2620	2528	2185	2302
3	ID:00200627	TANGOIO	1818	1825	1784	1797	2039	1989	2298	2446	2230	2103	2264	1898	1835
3	ID:00500230	TE POHUE	2169	2558	2368	2463		2808	2650		3337	2923	3142	1824	2382
3	ID:05000010	Nth of Tutaekuri River	20017	20367	19941	20571	20539	22120	22585	20841	22993	23557	22112	21287	21525
3	ID:00300171	TONGAPORUTU Brg	1817	1912	1739	1831	2193	2078	2448	2598	2287	2067	2308	1738	1915
3	ID:00300267	TARIKI			8187	8188	8687	9154	9401	8486	9172	9272	9155	8615	8615
3	ID:00300370	WAITOTARA	3076	3267	3097	3168	3509	3534	3800	3706	3737	3559	3696	3184	3066
3	ID:04500101	OHAWE BEACH Rd	4003	4032	4055	4212	4360	4311	4327	4074	4168	4050	3938	3557	3509

Telemetry Site MADT All Vehicles

NZTA Region	Site Ref	Description	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
3	ID:01N00930	SANSON	11005		11393	11339	12338	12361	13330	13158	13071	12605	13161	11581	11312
3	ID:01N00988	OHAU	13477	14381	14025	14164	15278	15257	16401	16592	16262	15384	15766	13843	13584
3	ID:00200755	NORSEWOOD	3316	3520	3376	3519	4111	3975	4536	4779	4448	4195	4376	3484	3351
3	ID:00300489	MANAWATU GORGE	6088	6336	6155	6194	6756	6809	7408	7469	7412	7074	7277	6492	6224
3	ID:00400133	HOROPITO	1857	2403	2336	2168	2202	1748	2013	2145	1981	1759	1957	1418	1845
3	ID:00400226	UPOKONGARO	1753	1902	1820	1805	2061	2018	2179	2229	2194	2058	2084	1769	1731
3	ID:01N00827	HIHITAH	3791	4505	4125			4596	4926	5965	5040	4397	5154	3765	3996
4	ID:01N11068	NGAURANGA - SB	21890	22444	22582	22148	22729	23446	22279	19697		23705	22655	22574	22181
4	ID:00200895	CLAREVILLE	9841	9931	10175	10077	10284	10861	11143	10246	11163	11143	10758	10294	9973
4	ID:00200937	RIMUTAKA	4676	4980	5044	5051	5423	5749	6143	6340	6068	5906	6161	5117	4880
4	ID:01N01036	PUKERUA BAY	21667	22750	22439	22341	23670	24151	24988	24379	25212	24384	24329	22623	22234
4	ID:01N21068	NGAURANGA - NB	21932	22320	22522			23432	22251	18402		23547	22411	22501	21976
4	ID:05800009	Pauatahanui East	13331	13461	13701	13451	13434	14405	13461	12980	14533	14710	14160	13819	13550
4	ID:00210979	NGAURANGA SH2 - SB	20669	21497	21130	21334	21735	22333	21235	18046		22429	21736	21878	21403
4	ID:00220979	NGAURANGA SH2 - NB	20910	21465	21370			22271	21112	16747		22860	21494	21644	21135
4	ID:00600122	STOKE	19547	19694	19690	20062	20761	22123	22645	21947	22527	22332	21331	20576	20161
4	ID:00600232	MURCHISON		1292	1283		1737	1856	2086	2717	2354	2037	2073	1345	1273
4	ID:00600100	HIRA	2736	2769	2787	2884	3169	3374	3699	4092	3953	3718	3475	2882	2821
4	ID:06000040	Riwaka	2633	2555	2669	2804	3345	3844	4263	6311	5212	4261	3835	2869	2543
4	ID:01S00037	Blenheim	3292	3510	3284	3241	3590	3865	4029			3730	4242	3100	3068
5	ID:01S00389	DUNSANDEL	8794	9592	9127	9363	10232	10478	10955	10746	10959	10637	10970	9050	8840
5	ID:01S00505	EVANS St Timaru	18936	19519	19000	19374	20447	21138	22004	20106	20955	20770	20510	19086	19085
5	ID:07300064	Springfield	1207	1705	1605	1551	1689	1634	1782	1986	1951	1518	1779	1258	1281
5	ID:01S00144	KAIKOURA	1818	2002	1866	1993	2470	2683	2837	3662	3195	2686	2826	1908	1849
5	ID:01S00522	ST ANDREWS	4905	5384	5008	5202	5737	5839	6169			6169	6270	5129	5188
5	ID:00700108	LEWIS PASS	824	954	869	973	1183	1190	1375	1842	1430	1251	1373	884	874
5	ID:07409005	QE II Drive East Of Main Nth Rd		17944	18255	19021	18943	19383	19571	17299	19488	19443		18441	
5	ID:01S00285	WAIPARA	6144	6571	6247	6487	7570	7663	8456	9235	8382	7898	8380	6374	6243
5	ID:00600454	CHESTERFIELD	2276	2381	2330	2550	2844	3012	3180	3297	3363	3389	3027	2501	2374
5	ID:00700239	AHAURA	1115	1168	1107	1185	1253	1291	1343	1368	1446	1390	1331	1169	1099
5	ID:00600398	PUNAKAIKI	671	704	700	813	1020	1080	1207	1388	1392	1190	1048	762	674
6	ID:00800336	ALEXANDRA	1712	1796	1917	1952	2126	2054	2339	2808	2373	2157	2439	1821	1833
6	ID:01S10713	BURNSIDE - SB	15051	15228	15223	15074	15551	16185	15886	13921	16199	16270	15587	15363	15699
6	ID:01S20713	BURNSIDE - NB	10459	10496	10350	10331	10623	11025	10763	9589	11196	11206	10828	10868	10774
6	ID:01S50713	BURNSIDE - NB On Ramp	2412	2457	2483	2468	2509	2618	2610	2262	2631	2586	2477	2526	2543
6	ID:01S60713	BURNSIDE - SB Off Ramp	2955	2978	3031	3076	3078	3217	3100	2767	3328	3218	3037	3117	3137
6	ID:01S40713	BURNSIDE - NB Off Ramp	3305	3260	3287	3231	3315	3471	3290	2982	3468	3442	3285	3393	3365
6	ID:01S40714	Burnside - NB Off Ramp	2065	2032	2108	2128	2158	2264	2203	1966	2302	2245	2096	2156	2135
6	ID:01S00765	MILTON	5445	5578	5505	5821			6773	6344				5696	5677
6	ID:06A00001	FRANKTON	15487	17369	17363	16321	16118	16908	17806	18442	18236	17460	17145	14999	15566
6	ID:01S00921	INVERCARGILL	11640	11525	11941	11655	11801	12364	11630	9999	12000	12434	11401	11727	11433
6	ID:00601147	WINTON	4346	4310	4236	4413	4675	5004	5109	4529	4845	4801	4580	4520	4436
6	ID:01S00854	GORE	3462	3580	3521	3577	3894	4101	4133	3928	4354	4095	4033	3690	3716
6	ID:09400141	TE ANAU	621	632	619	807	1114	1419	1452	1590	1520	1479	1209	796	626

Telemetry Site MADT Heavy Vehicles

NZTA Region	Site Ref	Description	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
1	ID:01N00212	KAWAKAWA	551	552	541	603	665	750	735	773	743	724	683	586	587
1	ID:01000029	Sth of Takou Bay Rd		219	228	261		290	295		305	301	683	232	233
1	ID:01N00274	Nth of Maungakarema Rd		1305	1314			1509	1635		1592	1650	1654		
1	ID:01200220	East of Brynderwyn Brg 161					292	325	285			285	244	223	
1	ID:01N00130	Nth of Ramseys Brg			131	165	161	163	159			194	167		154
1	ID:01N00265	Sth of Selwyn Avenue		812											
1	ID:01700006	HATFIELDS BEACH	261	260	246		249	263	285	283	268	254	238	202	184
1	ID:01N10459	DRURY - SB	2184	2149	2083	2251			2379	2159	2593	2740	2502	2314	2301
1	ID:01N20459	DRURY - NB	2104	2061	1987	2117			2229	2082	2502	2613	2406	2212	2199
1	ID:01N00339	WELLSFORD			778	837	927	973	996	1138	1086	1046	963	834	816
1	ID:01N10474	BOMBAY - SB	1741	1718	1656	1777	1881		2199		2239	2290	2087	1885	1877
1	ID:01N20474	BOMBAY - NB	1742	1698	1645	1742	1838		2329		2228	2215	2102	1930	1923
1	ID:01N00388	ALPURT	1210	1181	1099	1256	1385	1466	1551	1623	1587	1483	1361	1147	1146
2	ID:00200002	MAUNGATAWHIRI	1490	1480	1402	1501	1535	1689	1637	1712	1820	1896	1901	1562	1770
2	ID:25A00011	NEEVESVILLE	215	210	214	241	305	286	352	388	300	294	318	209	198
2	ID:02700011	KAIHERE	738	721	727	790	785	885	854	792	905	949	839	810	756
2	ID:01N00526	TAUPIRI	1897	1821		1953	2034	2224	2102	1934	2240	2309	2074	1952	1952
2	ID:01N00620	LICHFIELD	1207	1204	1159	1349		1462	1492		1396	1567	1494	1317	1237
2	ID:00300085	TE KUITI	616	588	562	619	685	686	648	618	701	746	680	660	632
2	ID:03200074	West of Taupo	121	120	108	121	126	134	106	115	118	123	122	107	118
2	ID:01N00580	KARAPIRO	1257	1186	1271	1369	1505	1548	1584	1586	1681	1624		1383	1313
2	ID:00200091	WAIHI	734	735	700	804	803	872	859	884				773	756
2	ID:01N00729	HALLETTS BAY	714	725	697	733	707	820	717	800	859	853	808	739	670
2	ID:01N00628	TOKOROA	1185	1165	1135	1269	1335	1482	1361	1241	1393	1577	1360	1271	1174
2	ID:00200141	TE PUNA	987	1024	1019	1123	1126	1241	1184	1099	1233	1362	1296	1213	1084
2	ID:03010149	TE NGA	890	817	924	962	990	1052	982	966	1075	1087	1000	931	922
2	ID:03020149	East end of Puarenga Brg (Dec)	913	839	974	1011	1023	1095	1021	1017	1140	1151	1076	1020	1022
2	ID:00200204	OHINEPANEA	625	693	726	727	751	814	769	725	766	793	773	727	660
2	ID:03000188	LAKE ROTOMA	291	278	311	348	346	372	351	376	387	405	395	348	352
2	ID:03300030	Sth of Maungarangi Rd Paengaroa	565	561	574	600	577	593	617	616	633	645		560	527
2	ID:00500034	TARUKENGA	490	486	461	540	579	613	622	600	643	650	682		536
2	ID:02900034	KAIMAI	1015	984	990	1054	1139	1372	1196	1136	1238	1332	1248		1062
2	ID:00500057	WAIPA	739	769	745	775	806	852	768	787	877	906	864	795	735
2	ID:00200176	TE PUKE	1715	1661	1706	1893	1727		1675	1561	1850	2003	1986	1983	1757
2	ID:00200242	AWAKERI	633	653	643	679	723	779	776	763	810	900	786	673	647
3	ID:00200428	ORMOND	215	186	188	190	205	227	217	263	292	327	277	218	242
3	ID:00200627	TANGOIO	357	331	305	306	319	353	353	360	392	422	409	389	346
3	ID:00500230	TE POHUE	427	447	438	450		533	471		551	572	545	388	495
3	ID:05000010	Nth of Tutaekuri River	1218	1200	1103	1215	1171	1390	1486	1380	1542	1802	1596	1426	1361
3	ID:00300171	TONGAPORUTU Brg	331	322	310	346	402	415	362	385	407	404	407	360	335
3	ID:00300267	TARIKI			743	863	967	1057	978	978	1043	1073	1002	924	825
3	ID:00300370	WAITOTARA	437	418	458	452	554	607	538	532	563	547	613	511	442
3	ID:04500101	OHAWA BEACH Rd	231	225	354	501	553	563	516	520	511	479	392	294	262
3	ID:01N00930	SANSON	1282		1270	1289	1423	1578	1518	1441	1557	1579	1576	1447	1383
3	ID:01N00988	OHAU	1337	1367	1329	1386	1444	1565	1499	1428	1605	1628	1548	1457	1402
3	ID:00200755	NORSEWOOD	498	481	464	520	571	627	594	610	653	696	674	549	516

Telemetry Site MADT Heavy Vehicles

NZTA Region	Site Ref	Description	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10
3	ID:00300489	MANAWATU GORGE	715	704	674	696	759	843	799	834	886	895	841	757	706
3	ID:00400133	HOROPITO	285	292	260	263	307	309	309	288	322	338	320	272	323
3	ID:00400226	UPOKONGARO	142	155	149	146	173	188	168	173	200	195	170	142	133
3	ID:01N00827	HIHITAH	776	801	750			888	792	809	905	892	934	858	845
4	ID:01N11068	NGAURANGA - SB	764	759	764	776	770	799	764	710		821	650	557	564
4	ID:00200895	CLAREVILLE	467	453	504	569	551	617	570	519	626	640	608	516	464
4	ID:00200937	RIMUTAKA	263	271	275	284	309	353	330	324	345	361	353	303	271
4	ID:01N01036	PUKERUA BAY	1448	1455	1411	1485	1570	1683	1568	1399	1674	1796	1666	1609	1605
4	ID:01N21068	NGAURANGA - NB	668	673	732			760	738	641		740	700	676	670
4	ID:05800009	Pauatahanui East	400	404	408	411	385	462	704	733	810	814	572	522	499
4	ID:00210979	NGAURANGA SH2 - SB	694	717	707	721	727	767	724	646		773	694	665	699
4	ID:00220979	NGAURANGA SH2 - NB	668	689	675			732	697	559		781	714	704	723
4	ID:00600122	STOKE	1129	1120	1097	1151	1216	1281	1176	1198	1372	1504	1366	1273	1205
4	ID:00600232	MURCHISON		189	212		263	295	283	372	340	323	298	240	208
4	ID:00600100	HIRA	411	416	430	458	436	477	471	472	554	556	519	448	428
4	ID:06000040	Riwaka	153	146	161	190	216	263	265	364	341	317	276	208	161
4	ID:01S00037	Blenheim	452	450	454	488	528	566	606			608	754	500	455
5	ID:01S00389	DUNSANDEL	1123	1145	1170	1331	1453	1531	1498	1442	1595	1604	1513	1277	1103
5	ID:01S00505	EVANS St Timaru	1181	1158	1212	1382	1503	1592	1498	1379	1566	1656	1462	1313	1157
5	ID:07300064	Springfield	142	145	175	178	222	211	213	216	252	205	213	172	153
5	ID:01S00144	KAIKOURA	393	393	380	415	455	499	455	520	539	497	527	436	409
5	ID:01S00522	ST ANDREWS	665	684	741	840	920	948	931			1035	928	769	686
5	ID:00700108	LEWIS PASS	138	150	150	163	182	196	195	273	220	211	200	160	144
5	ID:07409005	QE II Drive East Of Main Nth Rd		493	480	552	551	567	521	475	583	578		477	
5	ID:01S00285	WAIPARA	850	844	873	958	1004	1097	1100	1118	1224	1255	1196	1003	842
5	ID:00600454	CHESTERFIELD	190	199	209	305	368	383	354	346	364	363	312	250	198
5	ID:00700239	AHAURA	155	156	147	180	193	207	195	195	229	203	187	164	152
5	ID:00600398	PUNAKAIKI	59	59	68	95	119	132	124	131	140	128	106	76	58
6	ID:00800336	ALEXANDRA	153	154	166	174	191	186	211	269	231	213	214	175	159
6	ID:01S10713	BURNSIDE - SB	723	722	727	772	811	910	891	759	922	926	870	737	1056
6	ID:01S20713	BURNSIDE - NB		634	620	670	698	735	699	639	767	785	750	726	956
6	ID:01S50713	BURNSIDE - NB On Ramp	102	106	106	105	105	113	107	94	117	117	106	108	117
6	ID:01S60713	BURNSIDE - SB Off Ramp	187	187	191	194	197	203	196	177	214	211	192	196	207
6	ID:01S40713	BURNSIDE - NB Off Ramp	192	185	187	182	189	199	187	192	211	209	195	193	190
6	ID:01S40714	Burnside - NB Off Ramp	65	63	67	68	68	71	78	68	86	75	69	73	78
6	ID:01S00765	MILTON	579	559	578	696			821	709				725	645
6	ID:06A00001	FRANKTON	827	971	922	937	902	979	997	1062	1077	1074	996	766	744
6	ID:01S00921	INVERCARGILL	415	412	388	409	407	427	404	340	438	448	398	380	353
6	ID:00601147	WINTON	344	349	372	453	498	527	503	483	535	554	465	414	377
6	ID:01S00854	GORE	368	365	400	450	507	562	539	496	583	565	519	444	353
6	ID:09400141	TE ANAU	68	68	61	99	141	177	159	174	171	179	144	98	67