



## Traffic Volumes Monthly Report August 2012

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#### Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	10/09/2012	Final	Gerald Wen	Philip Blagdon	

# Overview

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**Summary** The purpose of this document is to report on the monthly changes in traffic volumes on the state highway. This report also covers annual state highway traffic trends for the period of 1989 to 2012.

In August 2012, compared with August 2011, the monthly average daily traffic (MADT) for all vehicles increased by 2%; the MADT for heavy vehicles increased by 1.9%.

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**In this report** This report contains the following topics.

Topic	See Page
Overview	1
Technical Notes	2
Key Results	3
Results: All Vehicles	5
Results: Heavy Vehicles	6
Appendix	

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# Technical Notes

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**What is MADT and AADT**

Monthly Average Daily Traffic (MADT) is the average of daily traffic volume measured in a given month. MADT is the statistical term used throughout this report.

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

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**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.

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**Sample coverage**

There are 106 telemetry<sup>1</sup> 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.

<b>NZ Transport Agency Region</b>	<b>Number of Telemetry Sites</b>
Northland and Auckland	16
Waikato and Bay of Plenty	25
Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne	19
Wellington, Nelson, Marlborough and Tasman	16
Canterbury and West Coast	14
Otago and Southland	16

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**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 comparison between years. This report does not attempt to compensate for these variations.

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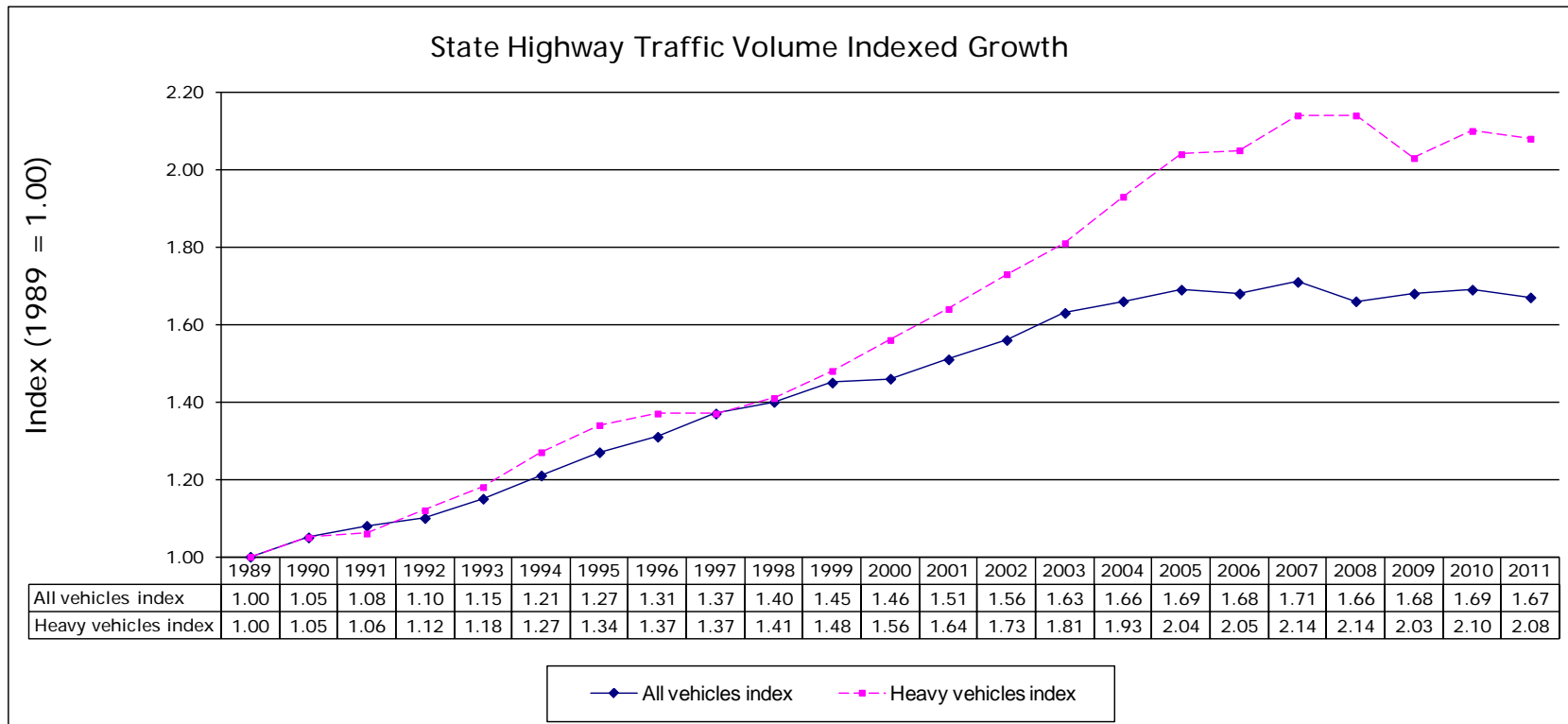
<sup>1</sup> Telemetry sites are continuously monitored 24/7.

# Key Results

The state highway traffic volume growth index is an annual traffic volume change indicator which measures growth rate of all vehicles' AADT and heavy vehicles' AADT on a sample of representative points – approximately 100 National telemetry traffic counting sites, where data is collected continuously at various locations along the state highway network.

The base for this index is 1.00 in 1989 when our systematic traffic data records began.

It provides an indication of traffic volume changes. Because of the limited sample sizes, this index should be used with caution.



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**Results:  
Monthly  
traffic at key  
sites**

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

The MADT values for July 2011, July 2012 and percentage of difference compared are reported in the table below.

Note the MADT values include all vehicles.

Site	City	MADT (All Vehicles) August- 11	MADT (All Vehicles) August- 12	% Change
Auckland harbour bridge (SH1)	Auckland	153073	158966	4%
Greenwood (SH1)	Hamilton	22228	22785	3%
Ngauranga Interchange (SH 1 and SH2 NB only)	Wellington	43650	43788	0%
Waimakariri Bridge	Christchurch	37247	40815	10%
Burnside	Dunedin	25275	25829	2%

In August 2012, the MADT values of the sites representing Auckland, Hamilton, Christchurch and Dunedin recorded an increase; while the site representing Wellington remained unchanged, compared to the same period in the previous year.

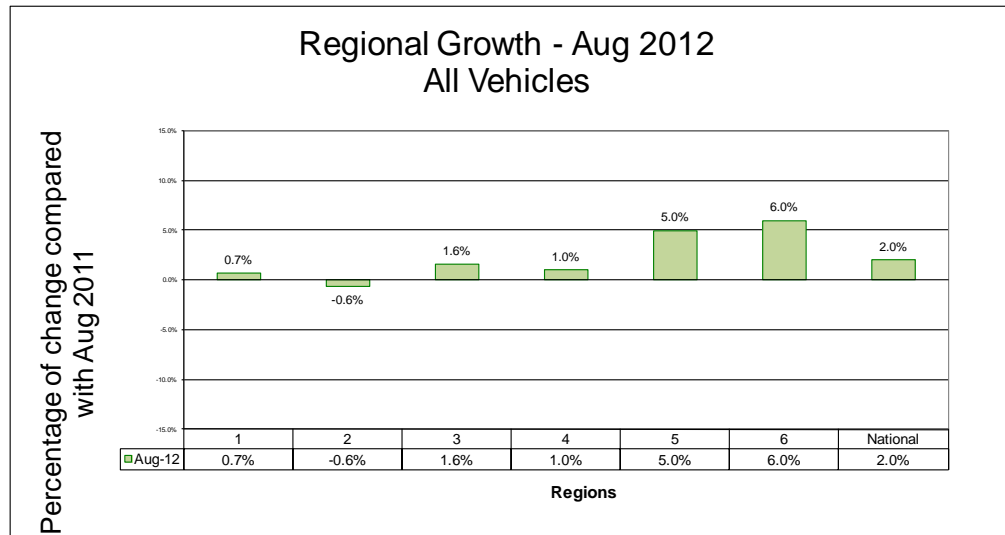
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# Results: All Vehicles

## 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 month last year. The MADT values here represent all vehicle types. In August 2012, most regions recorded an increase except region 1 and 2 which remained at almost the same level. Nationally, the MADT for all vehicles increased by 2%, compared with August 2011.



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

**Regional MADT Growth (All vehicles)** – Average of MADT (All vehicles) percentage change compared with the same month previous year from telemetry sites in a region.

**National MADT Growth (All vehicles)** – Average of MADT (All vehicles) percentage change compared with the same month previous year from all telemetry sites.

## More graphs

The graphs (as above) dated back to January 2008 are attached to this report.

## All sites

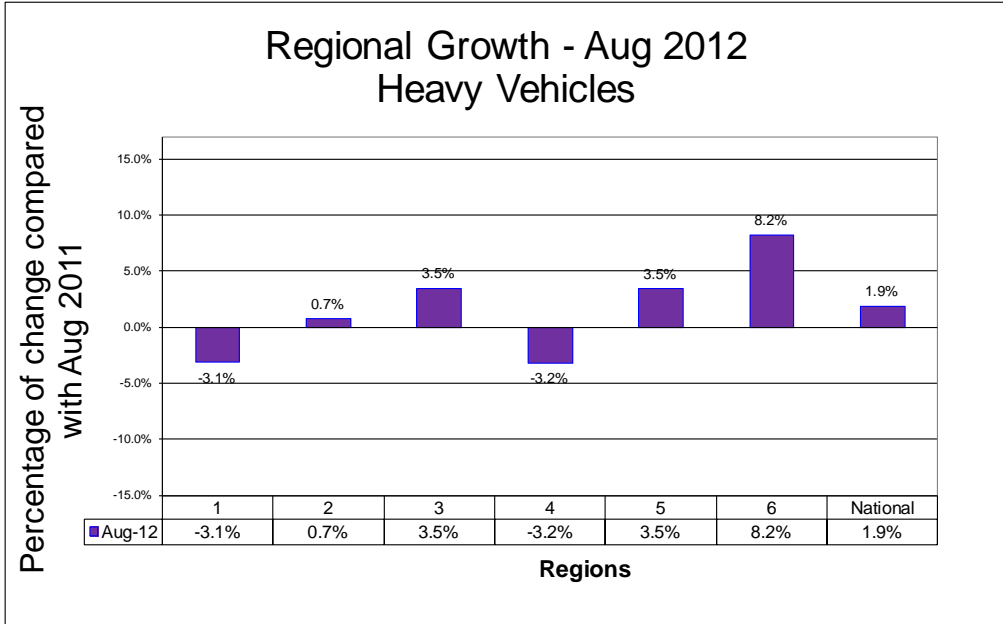
A table of MADT (all vehicles) values for all national telemetry sites is attached to this report.

# Results: Heavy Vehicles

## Regions

Comparisons across the NZ Transport Agency regions have also been carried out, focusing on heavy vehicles<sup>1</sup>.

The graph below shows the percentage of difference compared with the same month last year. The MADT values here represent heavy vehicles only. In August 2012, region 3, 5 and 6 had an increase; region 1 and 4 had a decrease, while region 2 remained at almost the same level. Nationally, the MADT for heavy vehicles increased by 1.9%, compared with August 2011.



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

**Regional MADT Growth (Heavy vehicles)** – Average of MADT (Heavy vehicles) percentage change compared with the same month previous year from telemetry sites in a region.

**National MADT Growth (Heavy vehicles)** – Average of MADT (Heavy vehicles) percentage change compared with the same month previous year from all telemetry sites.

## More graphs

The graphs (as above) dated back to January 2008 are attached to this report.

## All sites

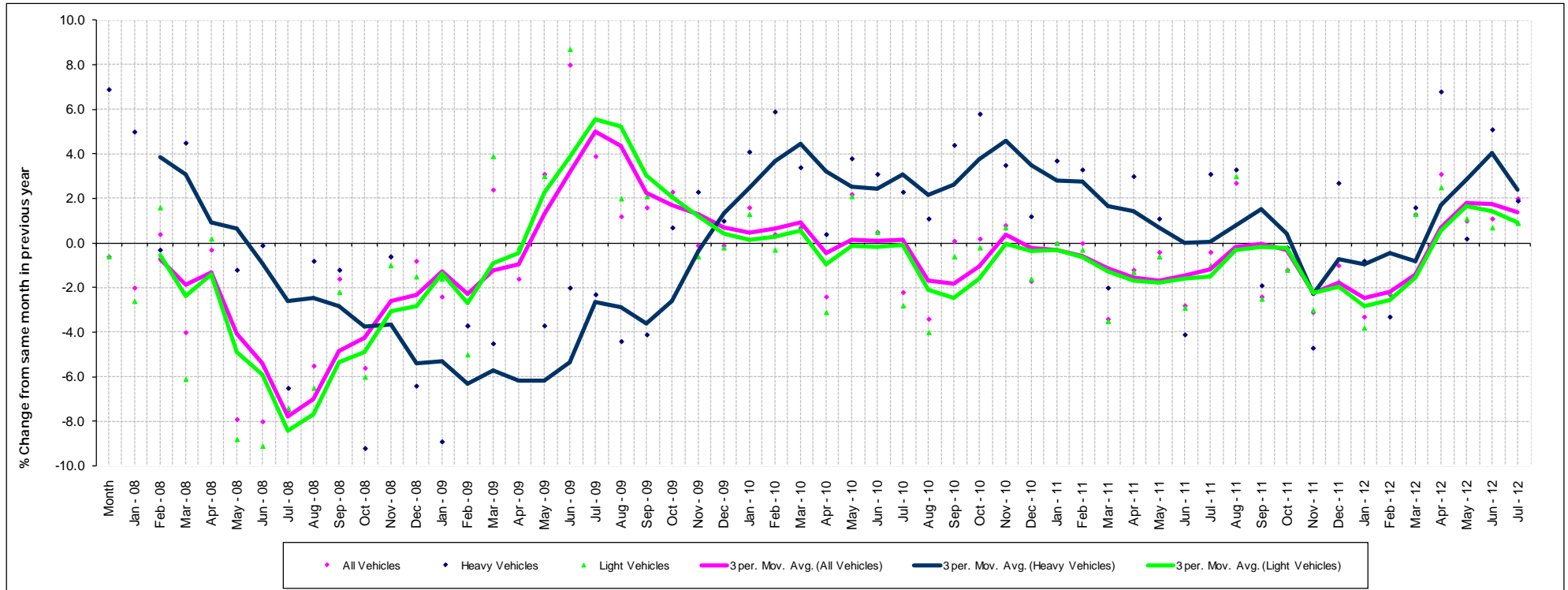
A table of MADT (heavy vehicles) values for all national telemetry sites for 2012 is attached to this report.

<sup>1</sup> Heavy vehicles are those with a gross vehicle mass exceeding 3.5 tonnes.



# Summary of Percentage Change from Same Month in Previous Year

The graph and table below shows 5 years national percentage change from the same month in the previous year, summarising the figures published in previous monthly reports.



Year	2008			2009			2010			2011			2012		
Month	All Vehicles	Light Vehicles	Heavy Vehicles	All Vehicles	Light Vehicles	Heavy Vehicles	All Vehicles	Light Vehicles	Heavy Vehicles	All Vehicles	Light Vehicles	Heavy Vehicles	All Vehicles	Light Vehicles	Heavy Vehicles
January	-0.6	-0.6	6.9	-0.8	-1.5	-6.4	-0.1	-0.2	1.0	-1.7	-1.6	1.2	-1.0	-1.7	2.7
February	-2.0	-2.6	5.0	-2.4	-1.6	-8.9	1.6	1.3	4.1	0.0	0.0	3.7	-3.3	-3.8	-0.8
March	0.4	1.6	-0.3	-3.7	-5.0	-3.7	0.4	-0.3	5.9	0.0	-0.3	3.3	-2.3	-2.2	-3.3
April	-4.0	-6.1	4.5	2.4	3.9	-4.5	0.7	0.6	3.4	-3.4	-3.5	-2.0	1.3	1.3	1.6
May	-0.3	0.2	-1.4	-1.6	-0.2	-10.3	-2.4	-3.1	0.4	-1.2	-1.3	3	3.1	2.5	6.8
June	-7.9	-8.8	-1.2	3.1	3.0	-3.7	2.2	2.1	3.8	-0.4	-0.6	1.1	1	1.1	0.2
July	-8.0	-9.1	-0.1	8.0	8.7	-2.0	0.5	0.5	3.1	-2.8	-2.9	-4.1	1.1	0.7	5.1
August	-7.5	-7.4	-6.5	3.9	5.0	-2.3	-2.2	-2.8	2.3	-0.4	-1.0	3.1	2.0	0.9	1.9
September	-5.5	-6.5	-0.8	1.2	2.0	-4.4	-3.4	-4.0	1.1	2.7	3.0	3.3			
October	-1.6	-2.2	-1.2	1.6	2.1	-4.1	0.1	-0.6	4.4	-2.4	-2.5	-1.9			
November	-5.6	-6.0	-9.2	2.3	2.1	0.7	0.2	-0.2	5.8	-1.2	-1.2	-0.2			
December	-0.6	-1.0	-0.6	-0.1	-0.6	2.3	0.8	0.7	3.5	-3.1	-3	-4.7			

## Appendices

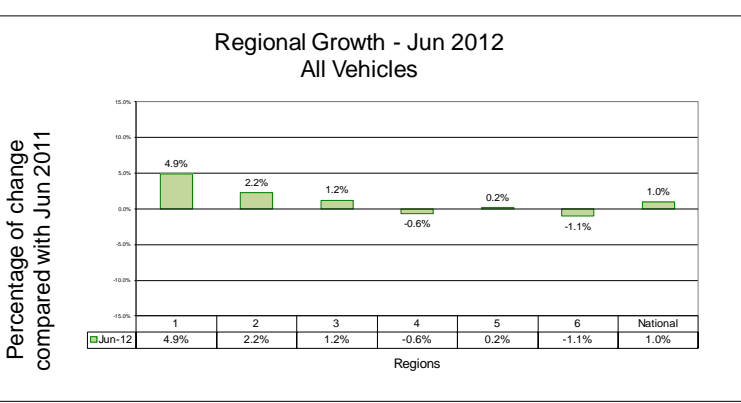
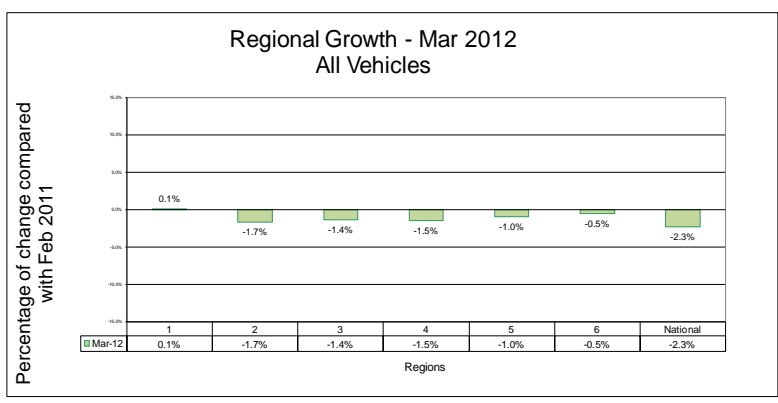
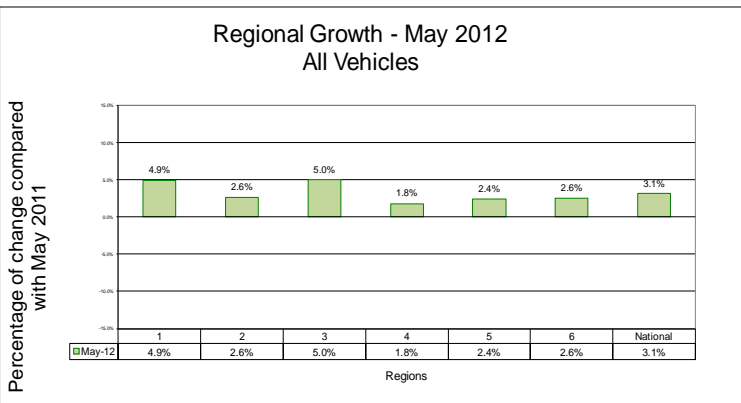
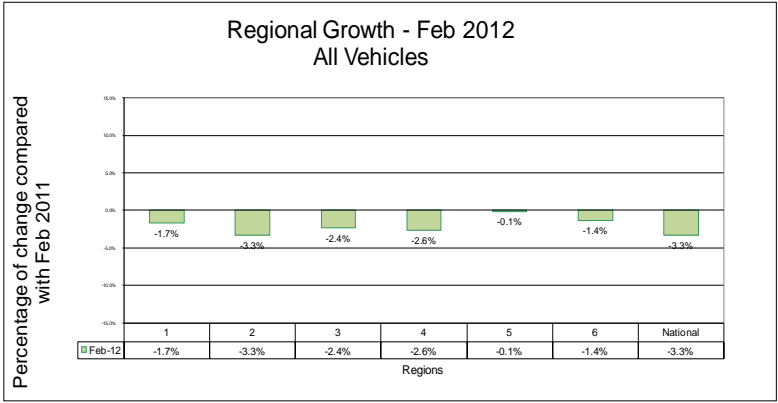
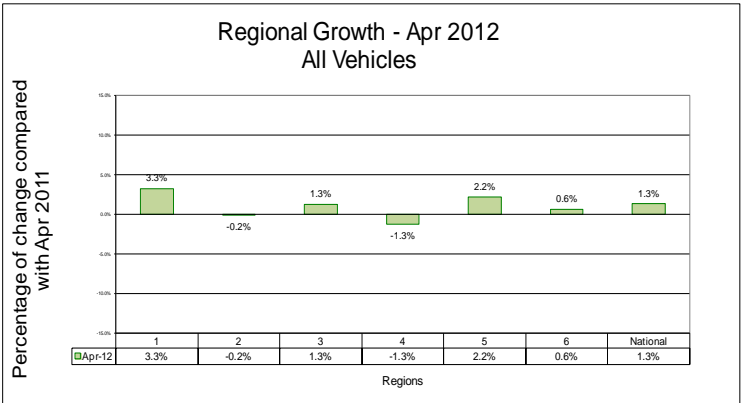
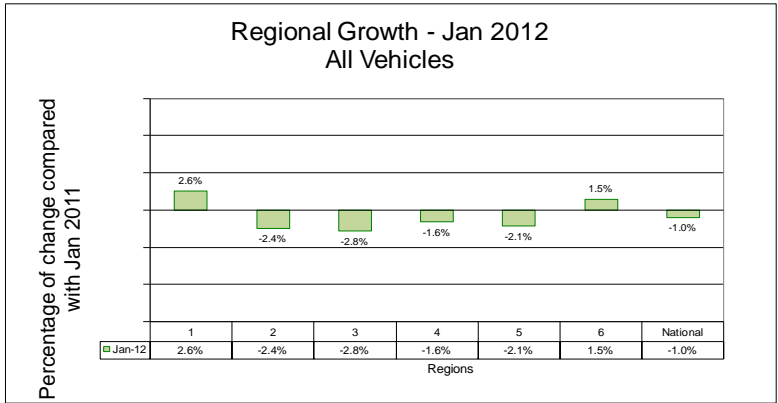
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Current and Previous Years Growth Graphs: 2012, 2011, 2010, 2009 and 2008

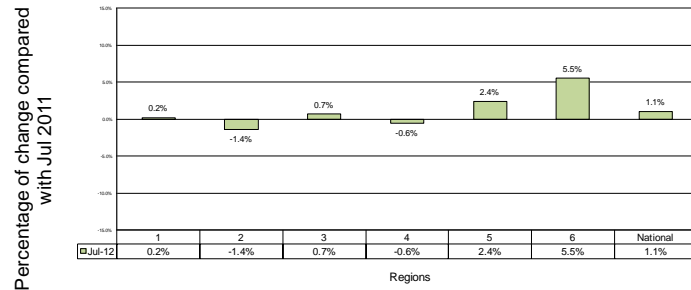
- All Vehicles
- Heavy Vehicles

Telemetry Site MADT's for the past thirteen months

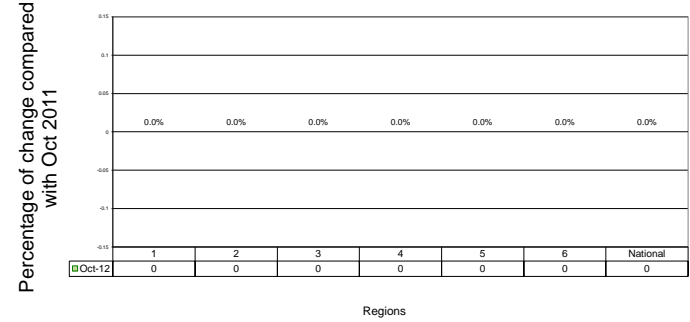
- All Vehicles
- Heavy Vehicles



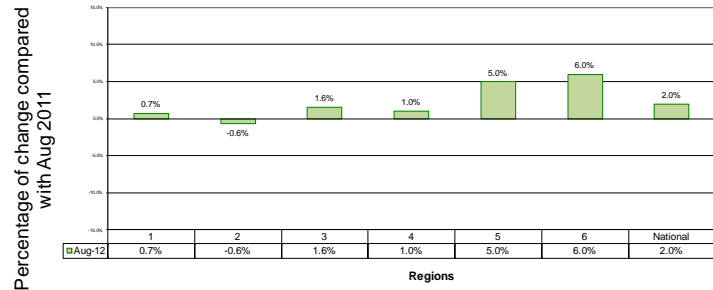
Regional Growth - Jul 2012  
All Vehicles



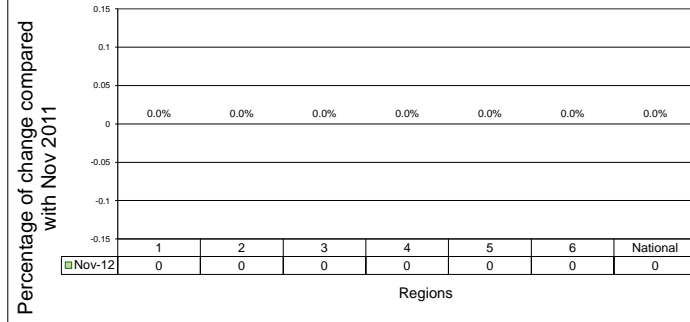
Regional Growth - Oct 2012  
All Vehicles



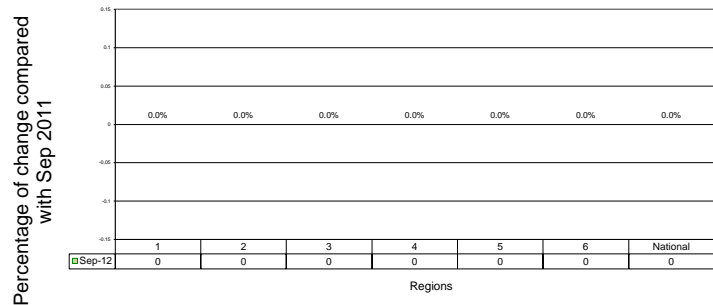
Regional Growth - Aug 2012  
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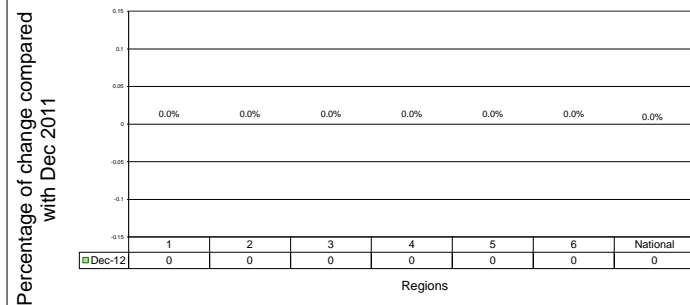
Regional Growth - Nov 2012  
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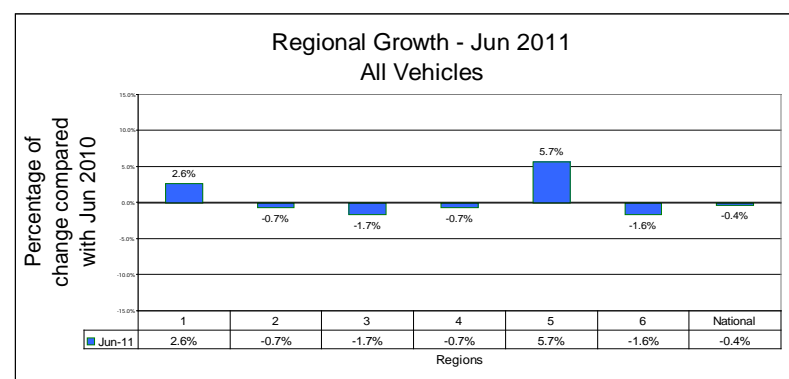
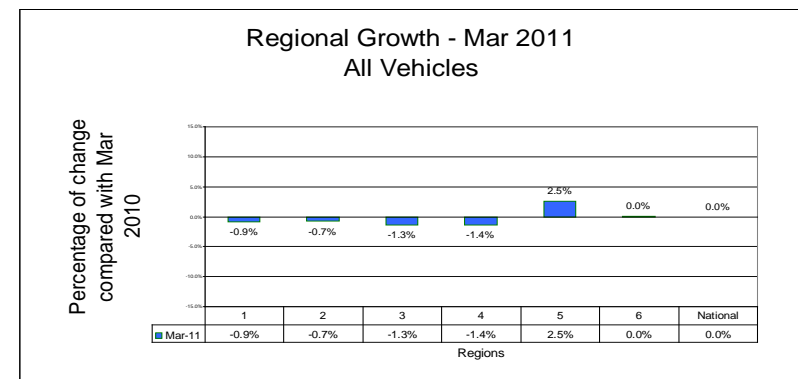
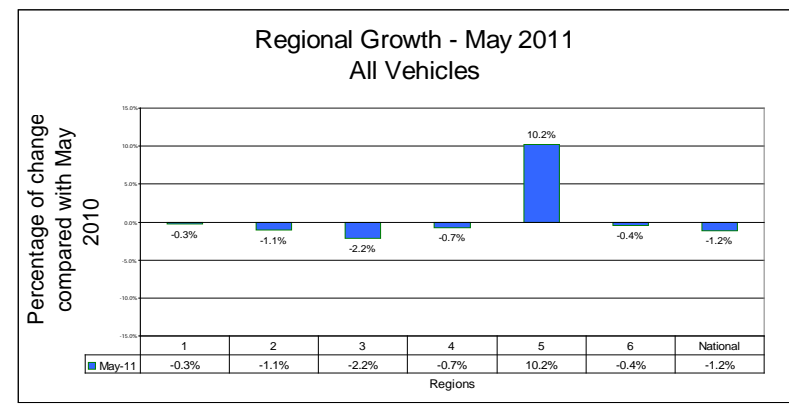
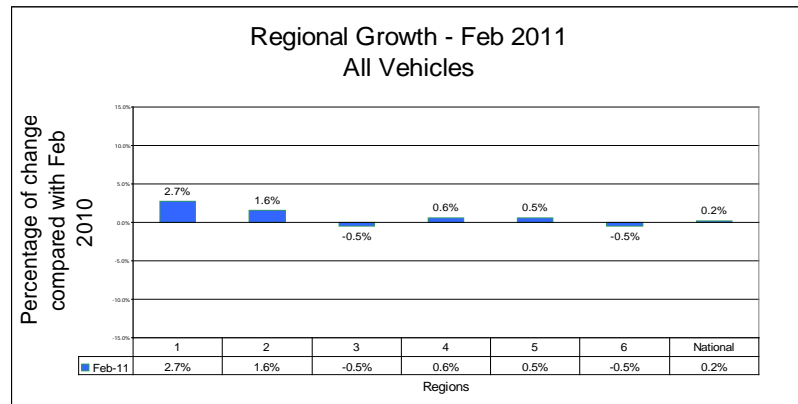
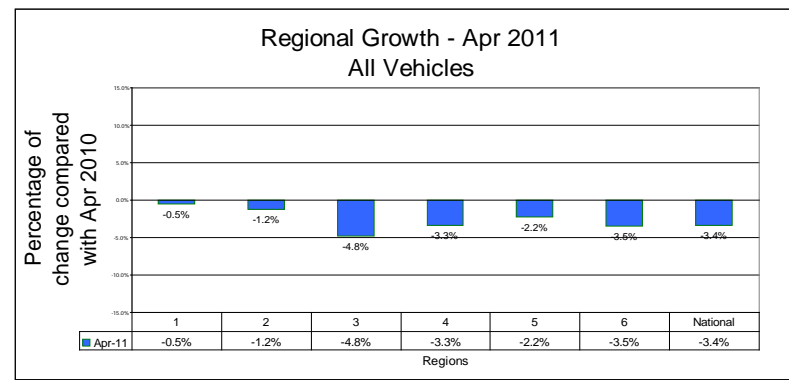
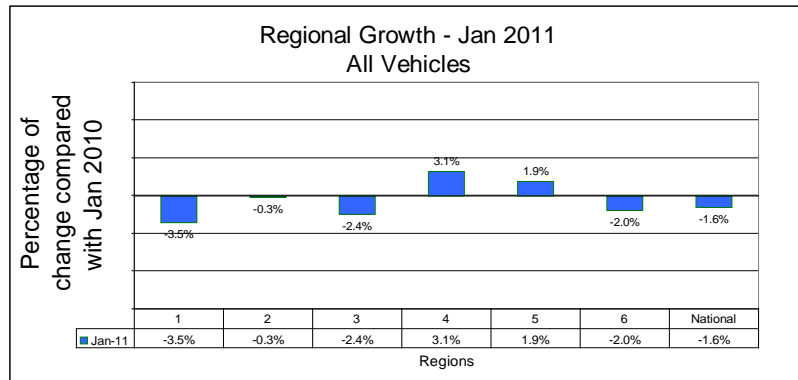


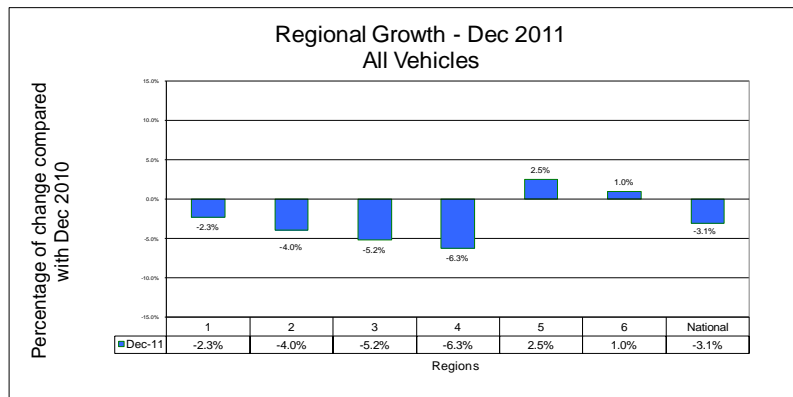
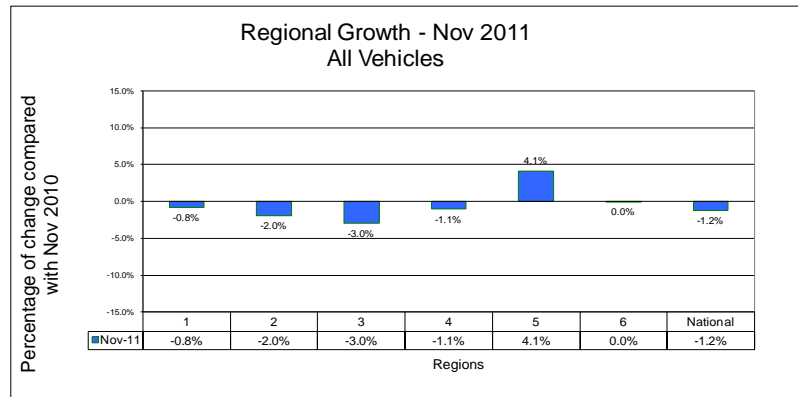
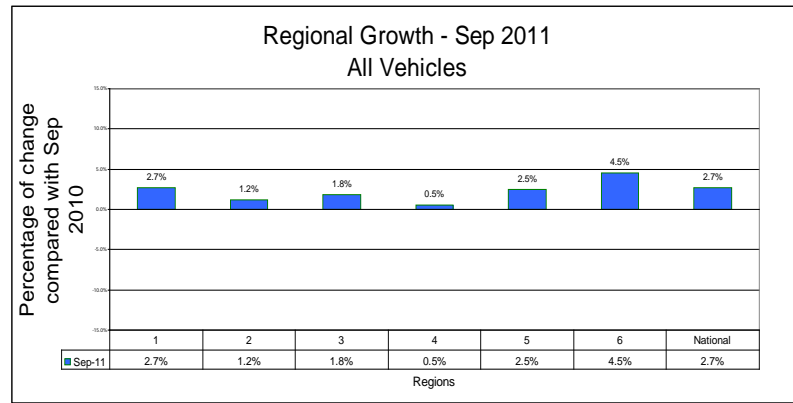
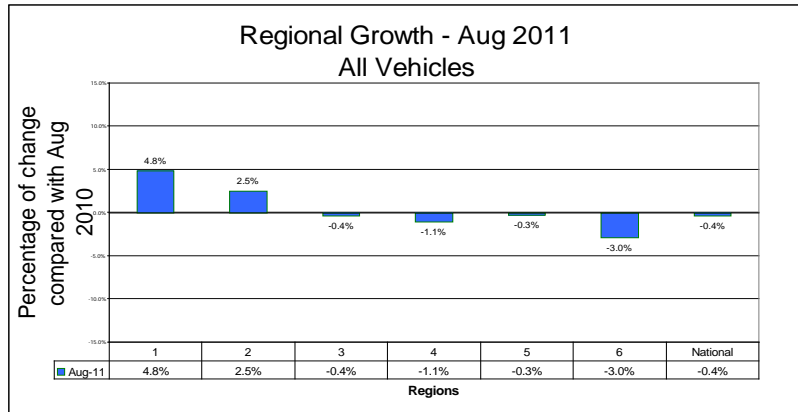
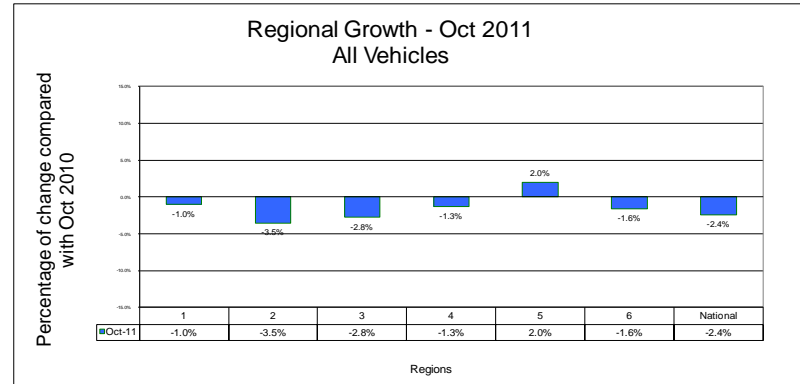
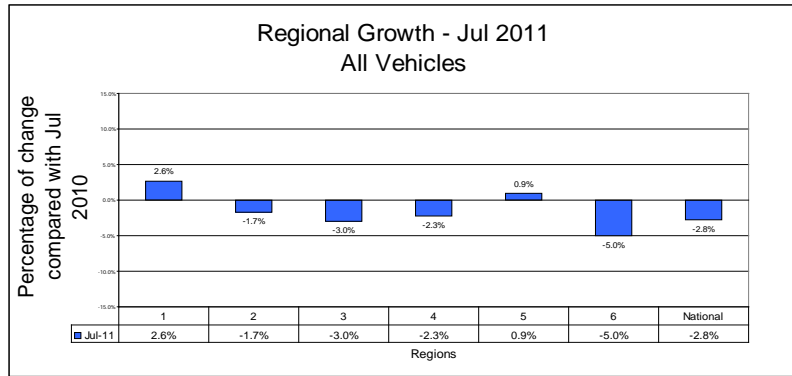
Regional Growth - Sep 2012  
All Vehicles

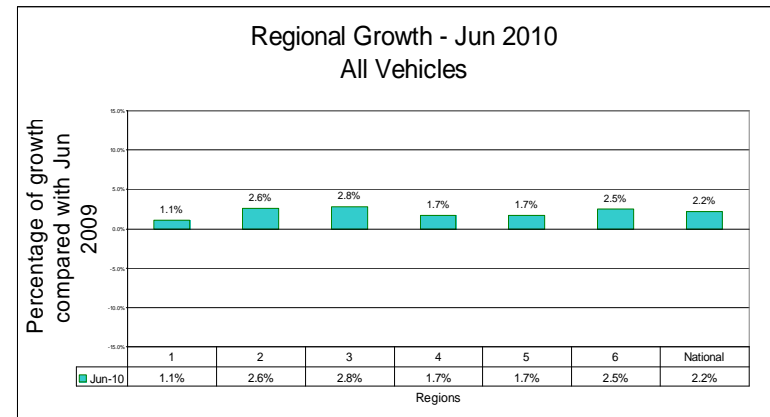
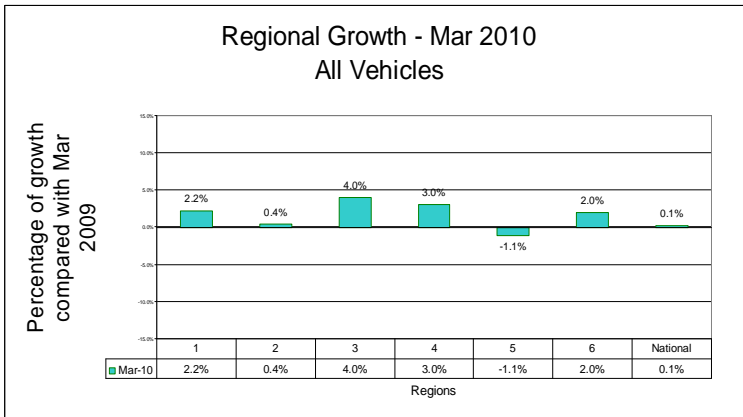
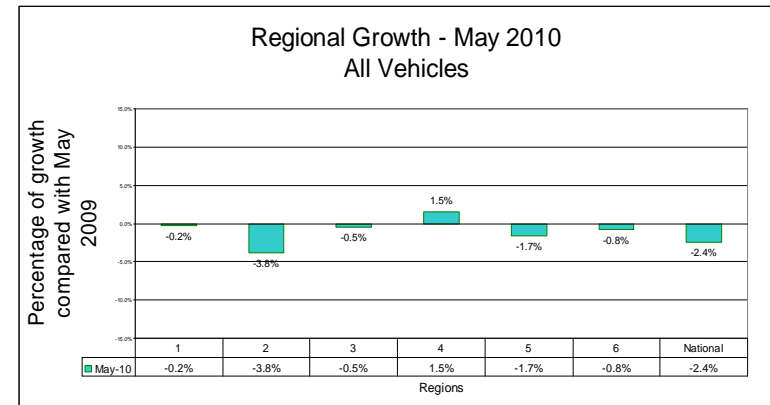
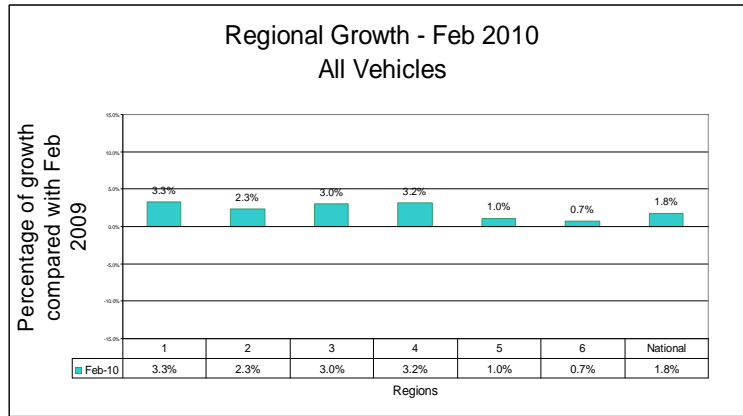
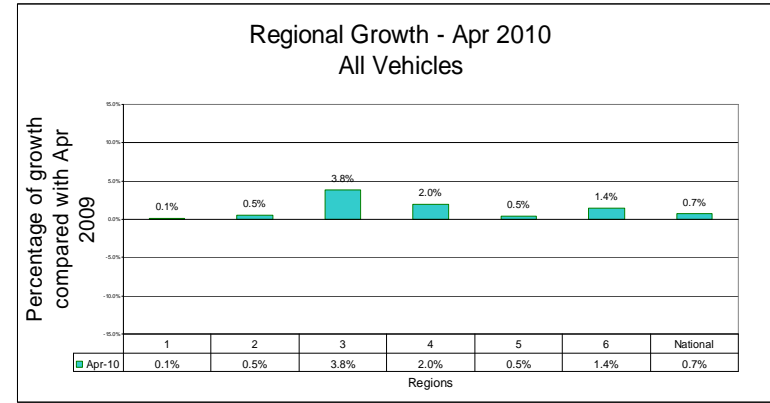
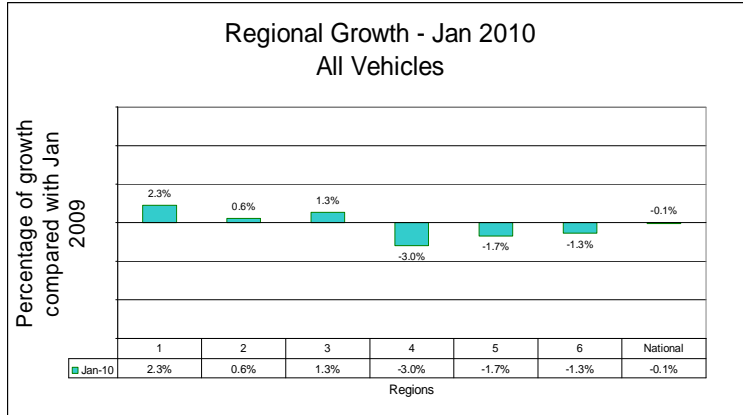


Regional Growth - Dec 2012  
All Vehicles

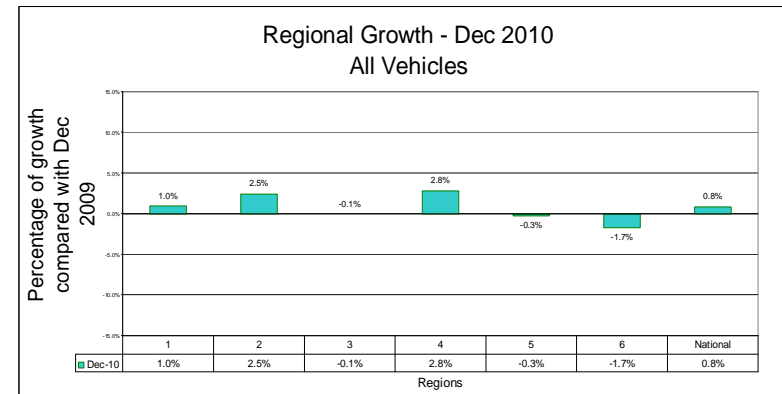
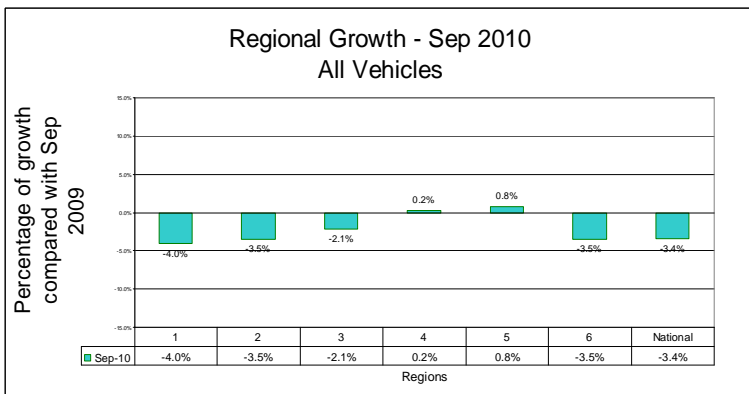
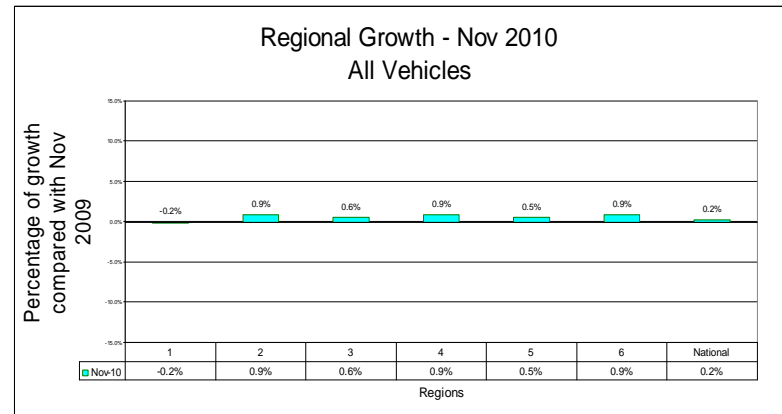
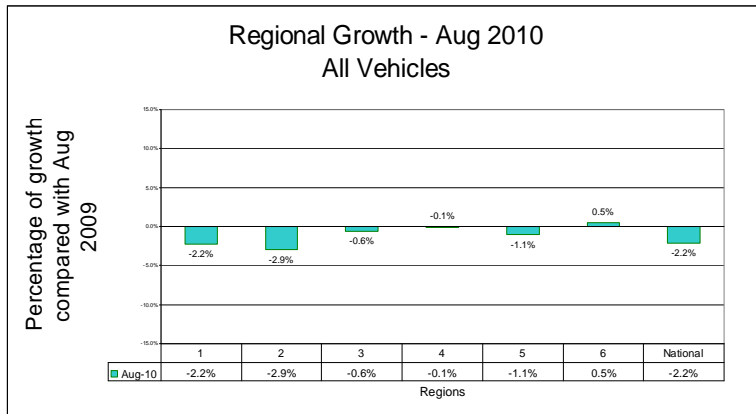
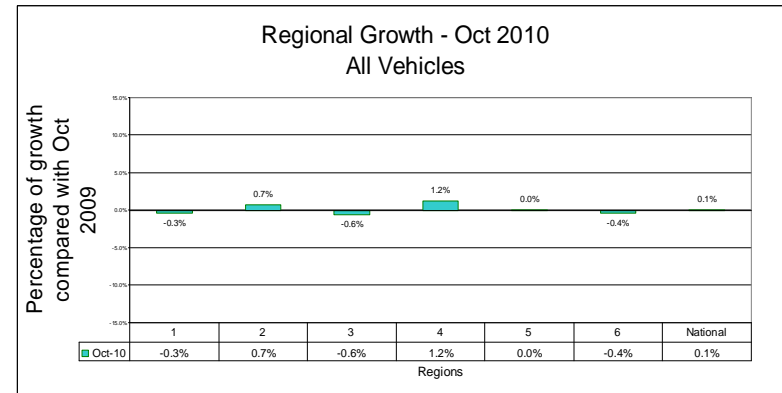
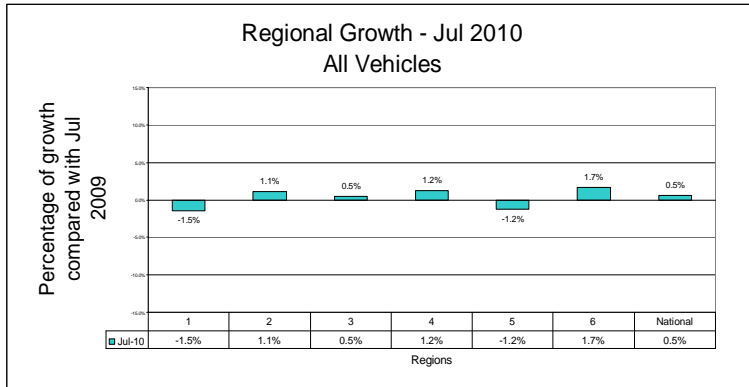








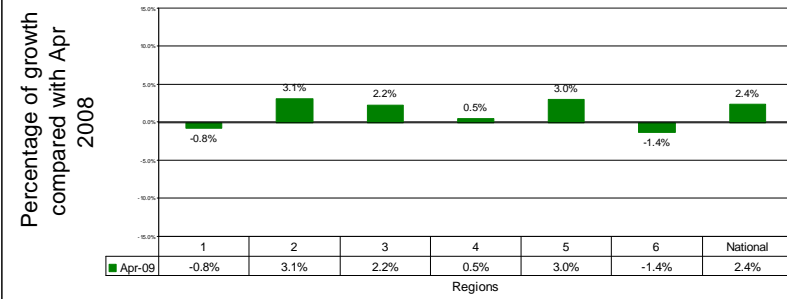




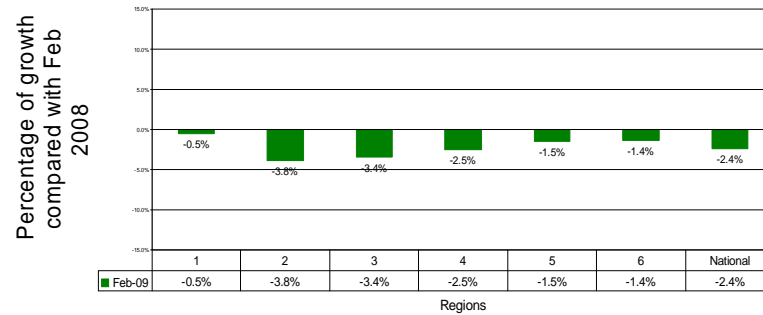
Regional Growth - Jan 2009  
All Vehicles



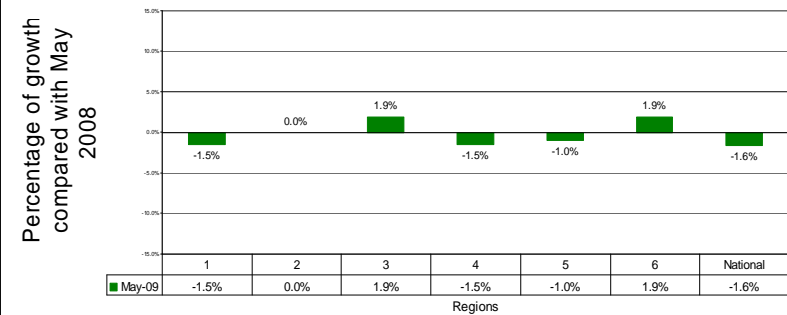
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All Vehicles



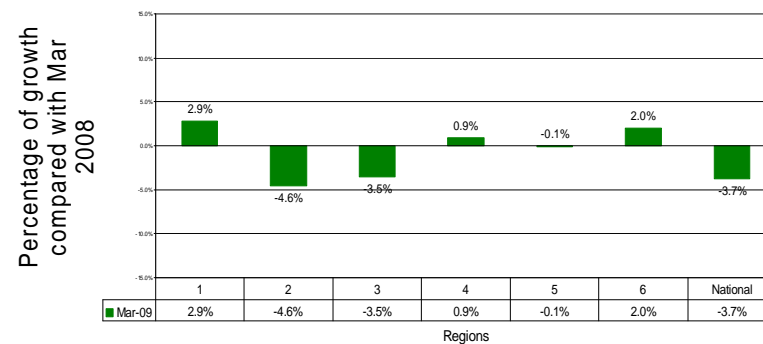
Regional Growth - Feb 2009  
All Vehicles



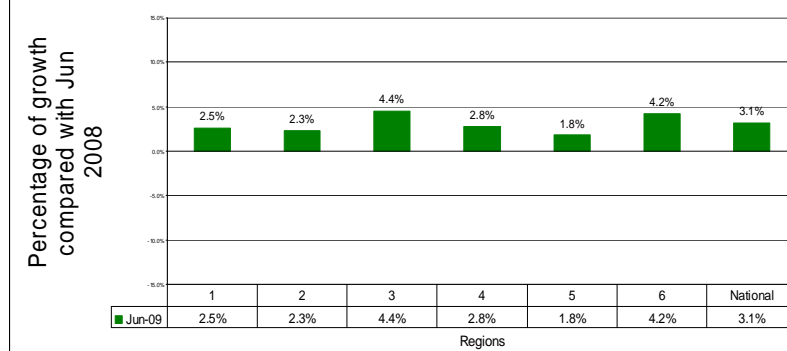
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All Vehicles



Regional Growth - Mar 2009  
All Vehicles



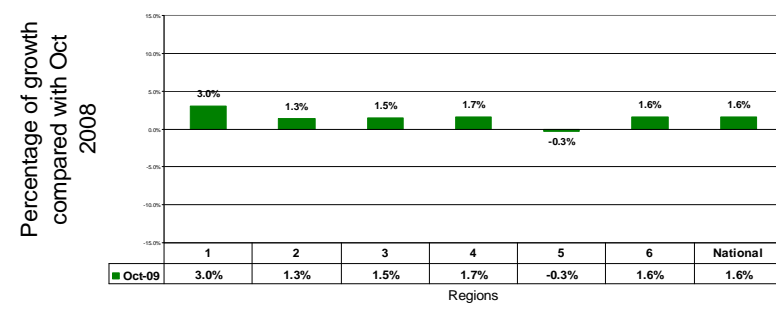
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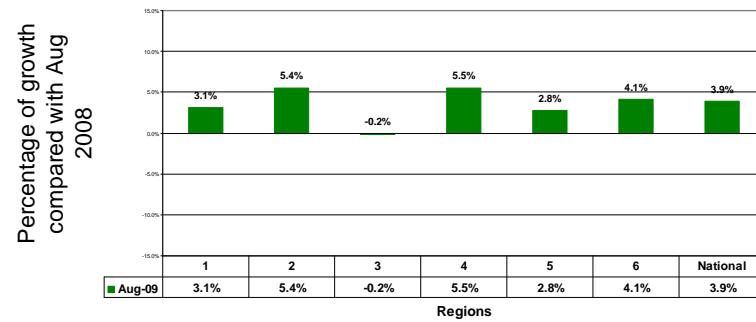
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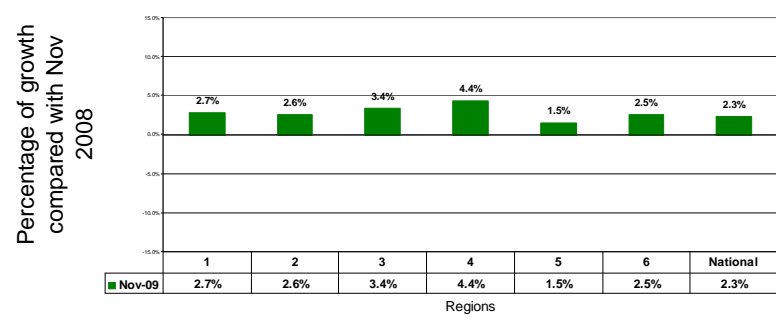
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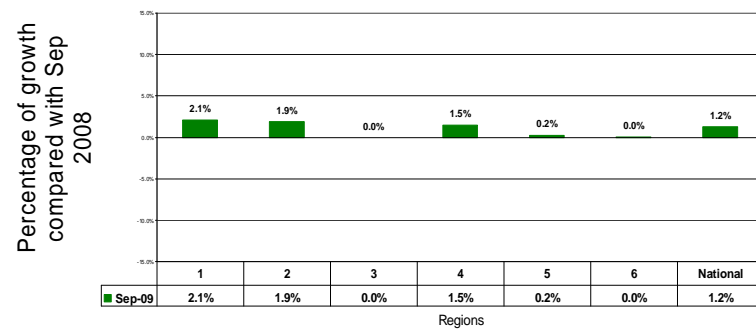
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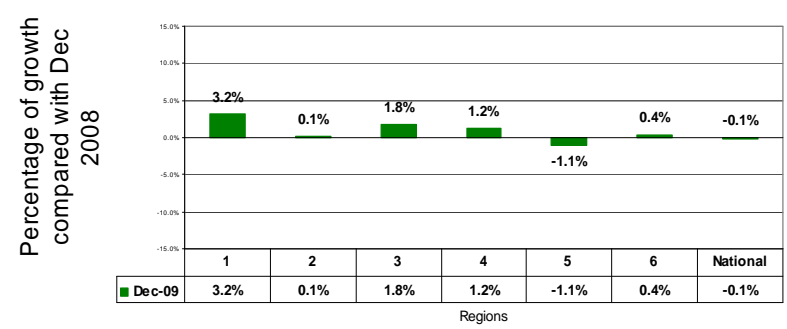
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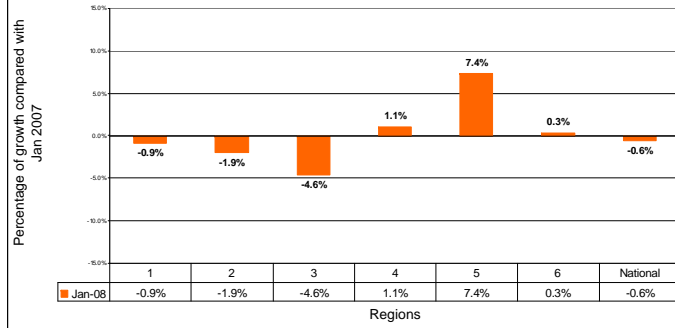
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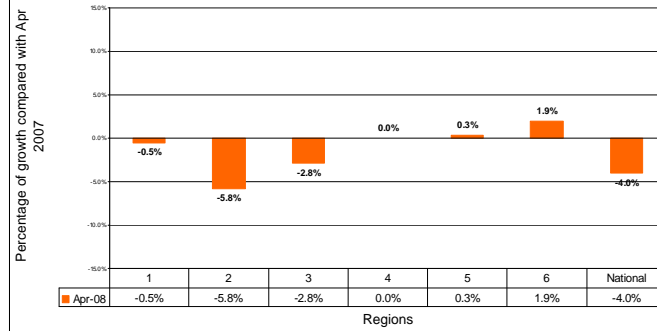
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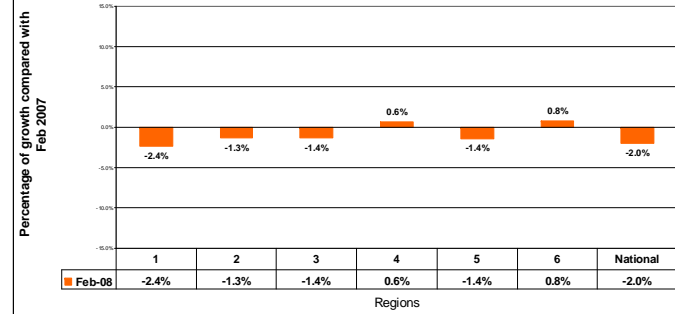
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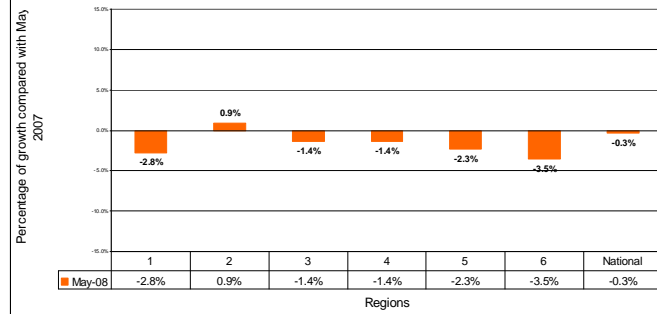
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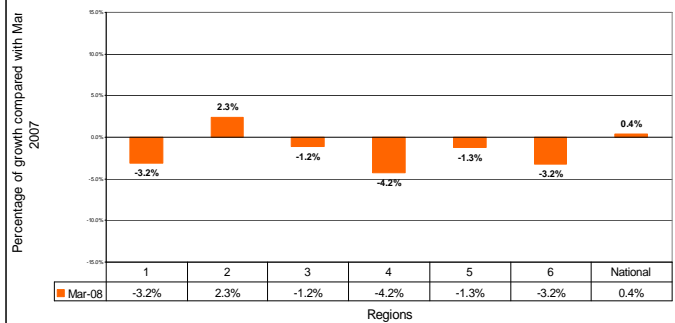
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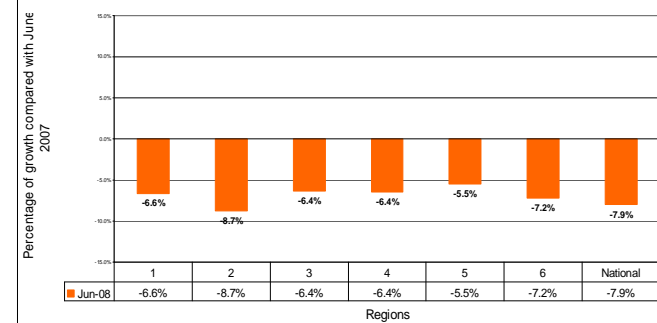
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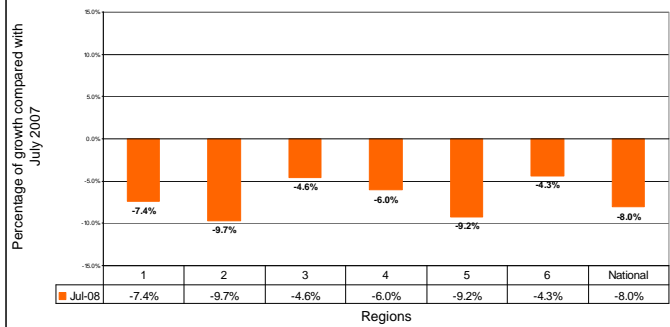
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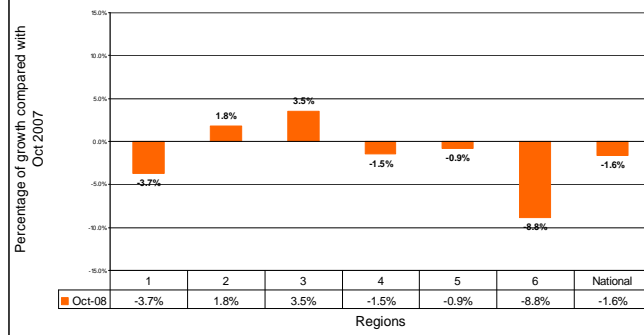
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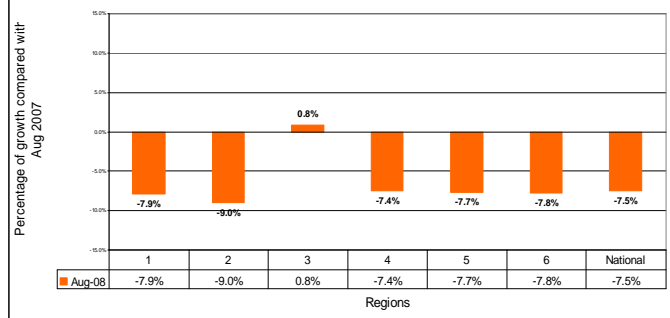
Regional Growth - July 2008  
All Vehicles



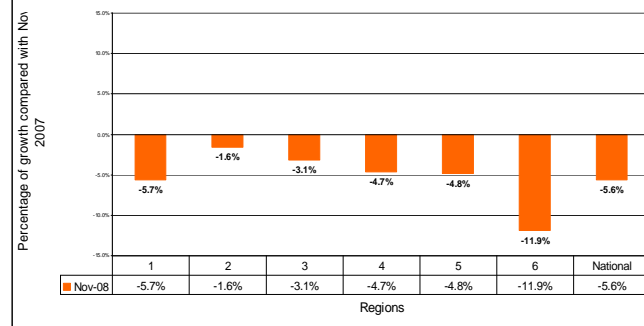
Regional Growth - Oct 2008  
All Vehicles



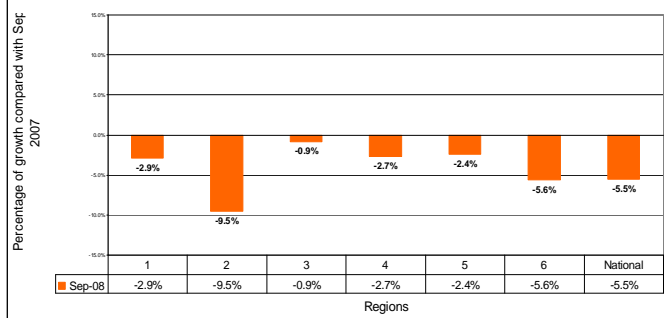
Regional Growth - Aug 2008  
All Vehicles



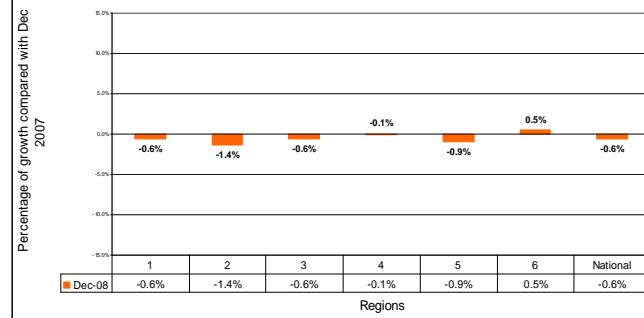
Regional Growth - Nov 2008  
All Vehicles

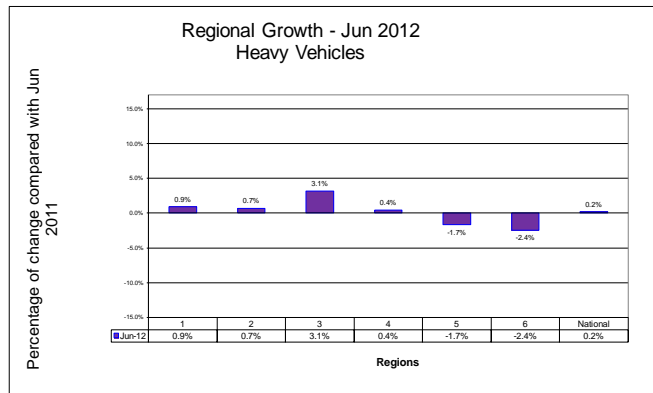
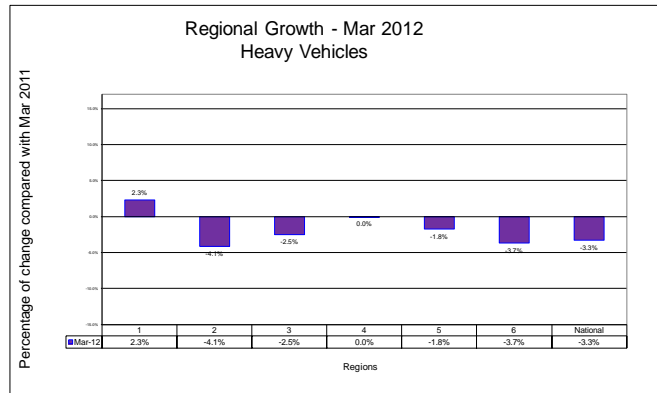
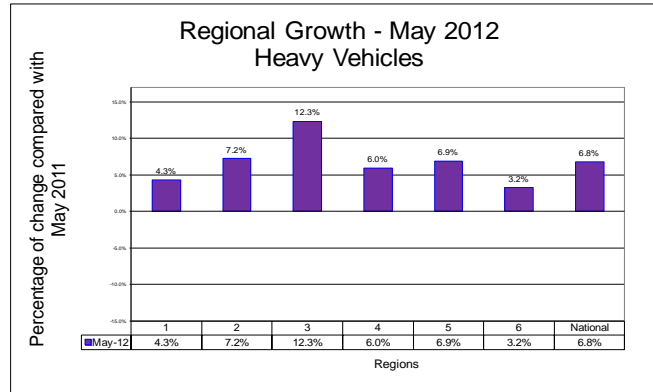
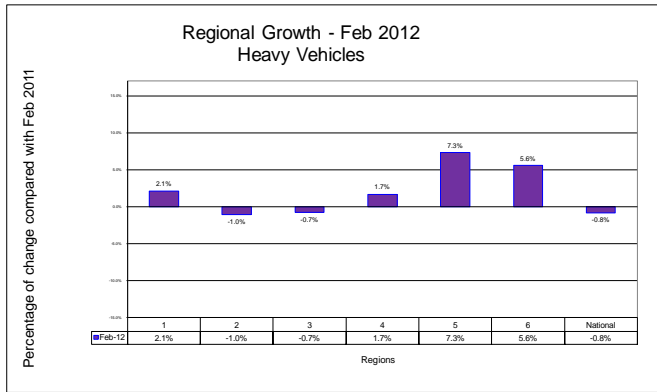
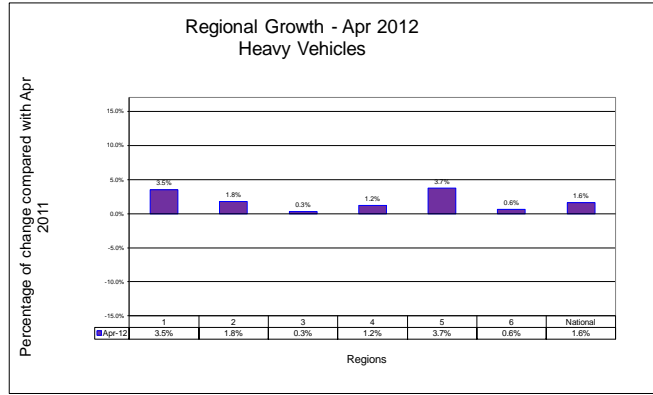
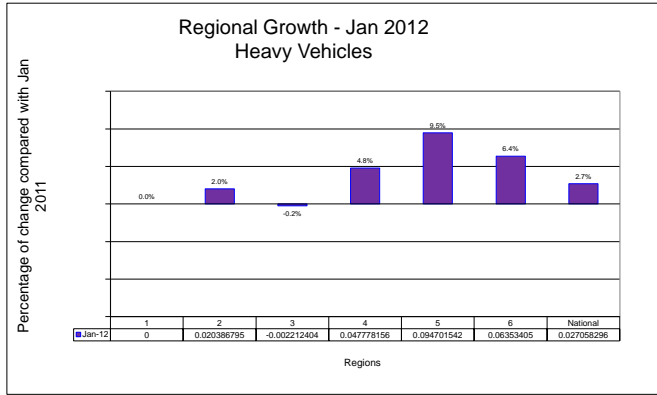


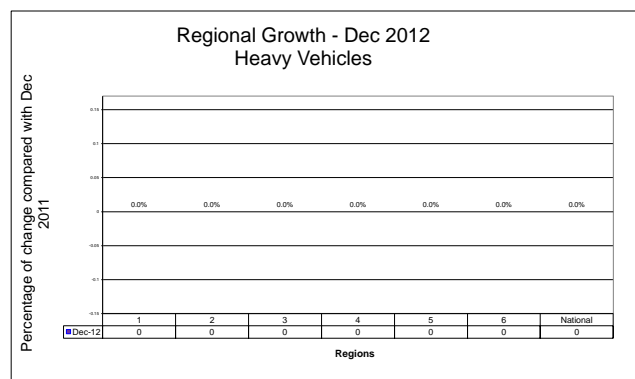
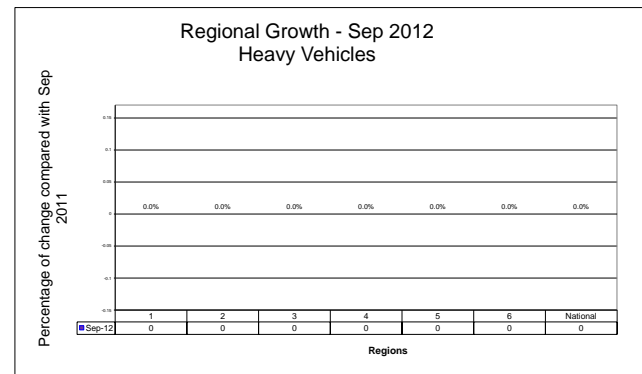
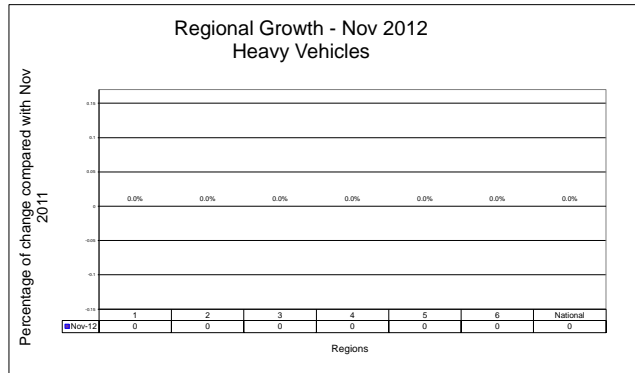
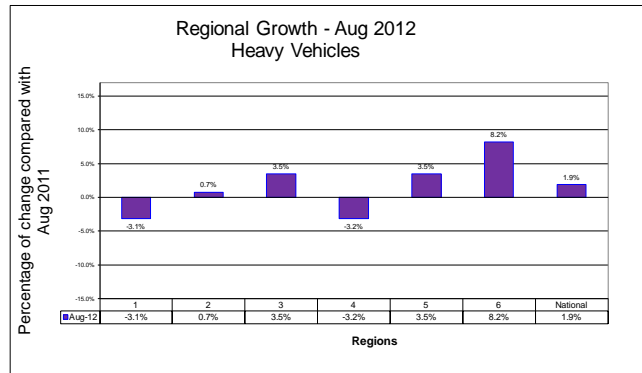
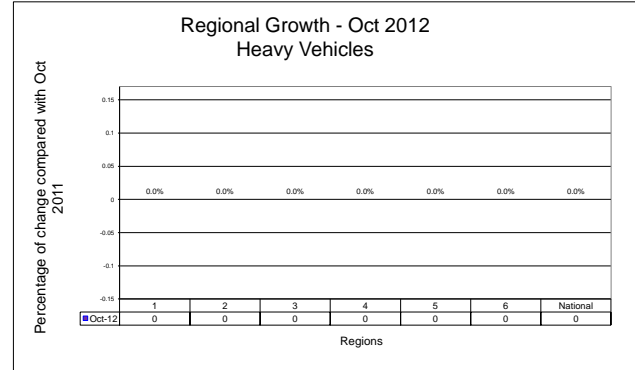
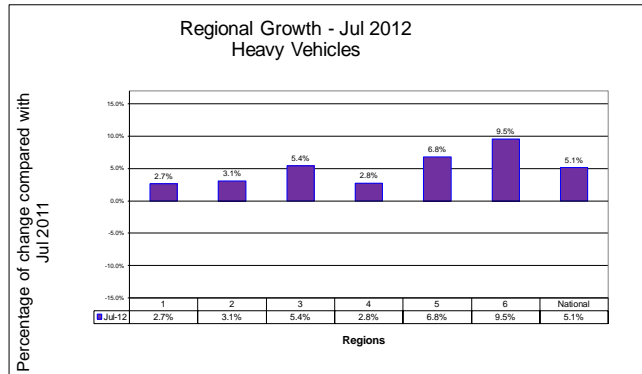
Regional Growth - Sep 2008  
All Vehicles

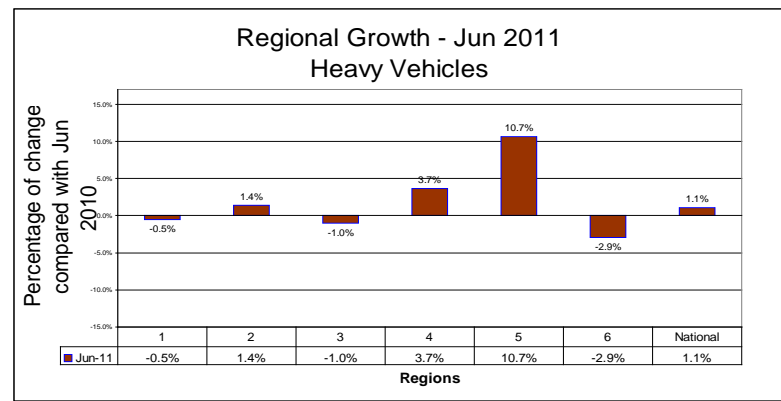
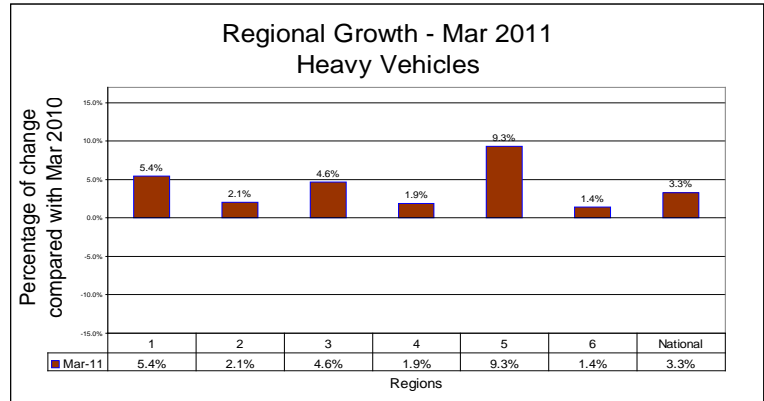
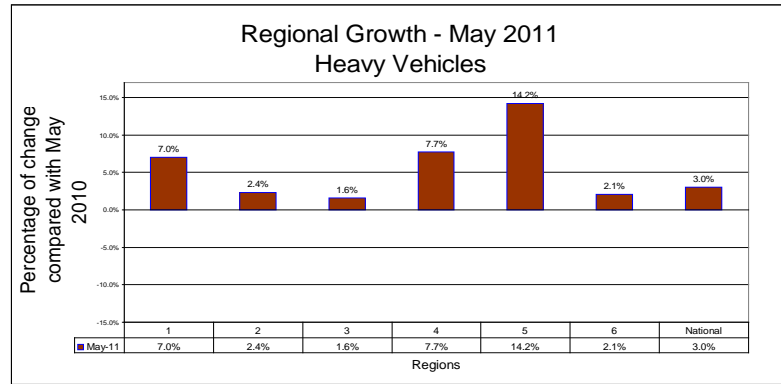
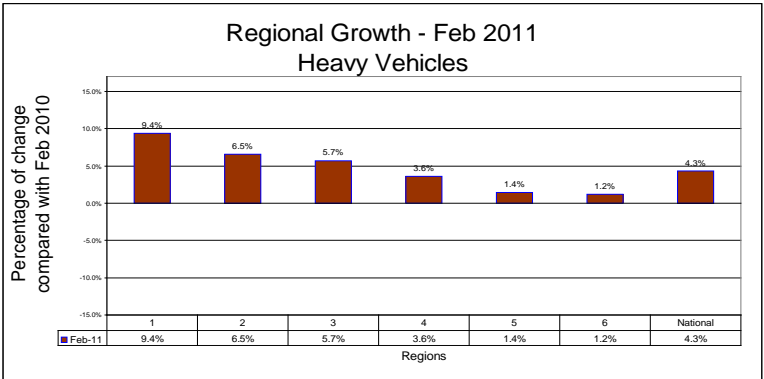
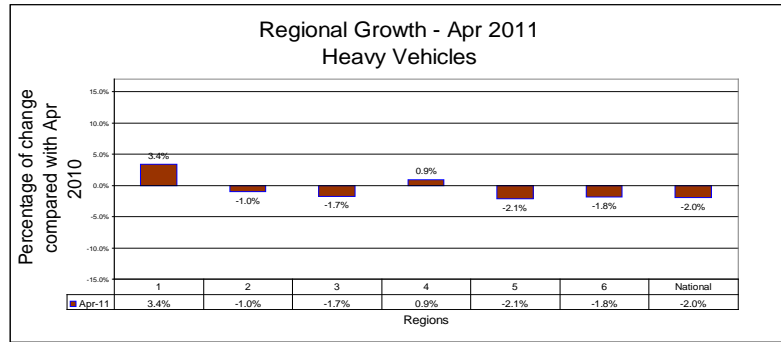
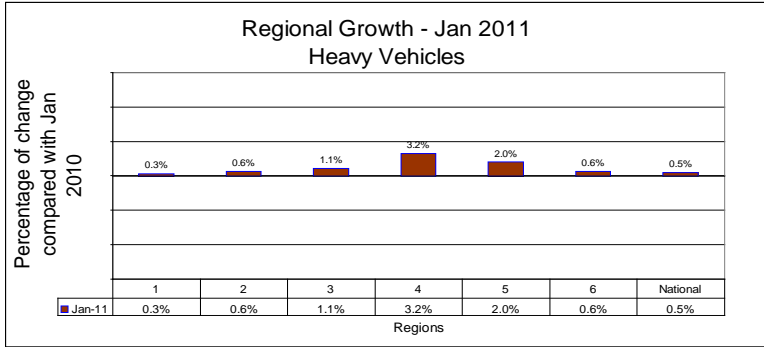


Regional Growth - Dec 2008  
All Vehicles

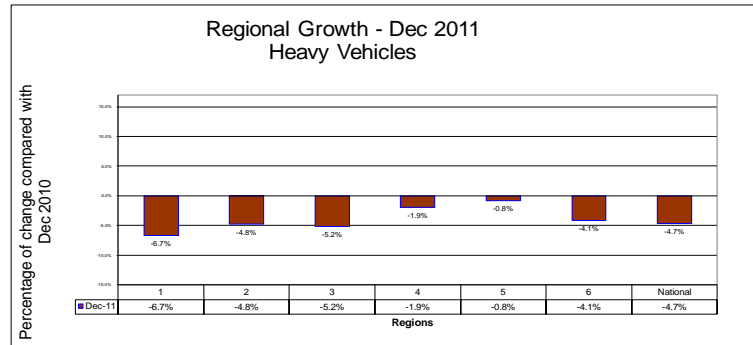
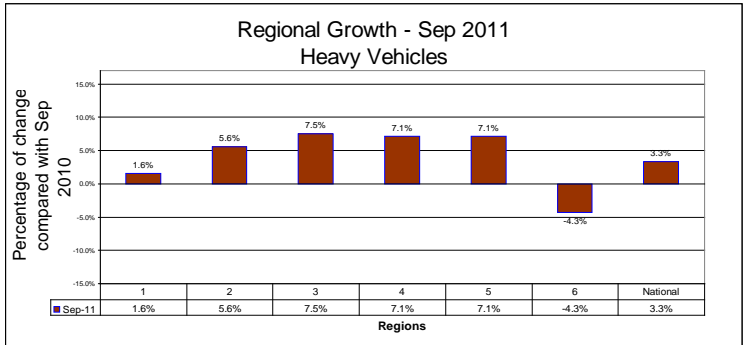
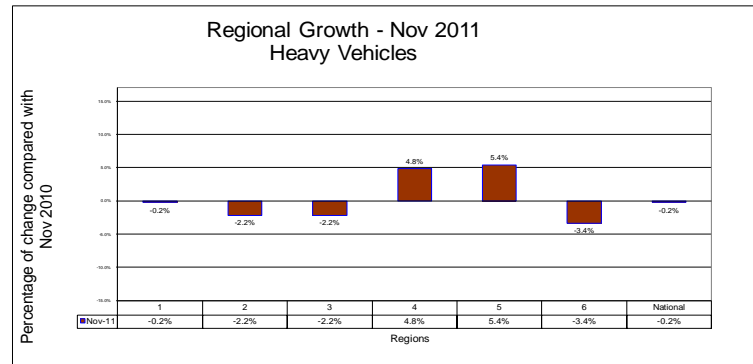
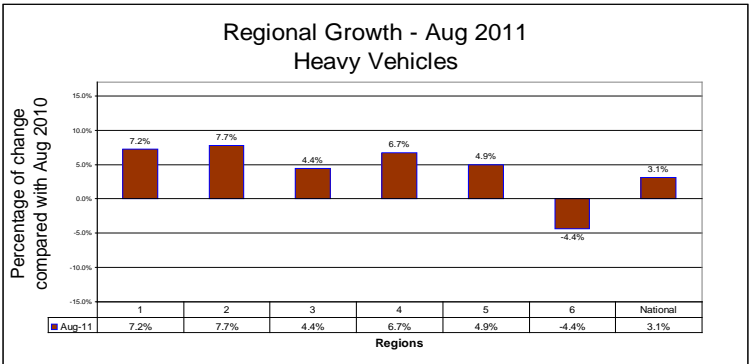
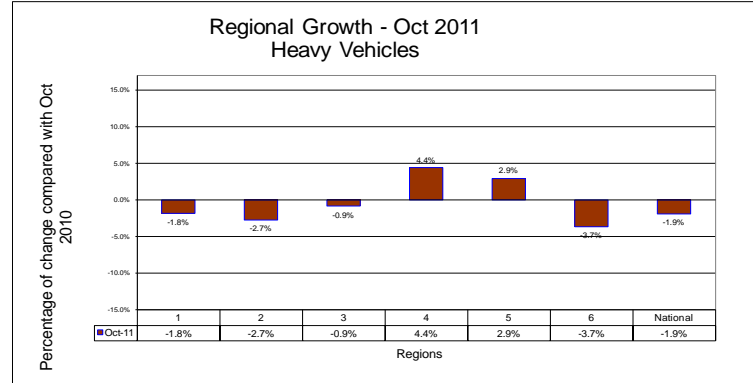
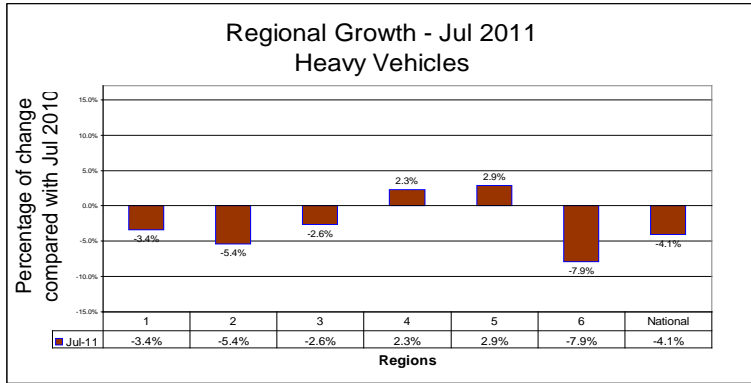




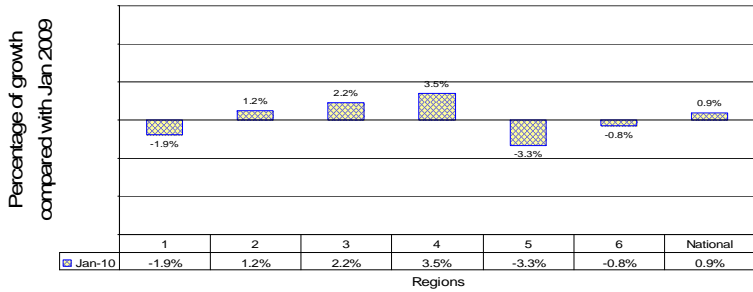




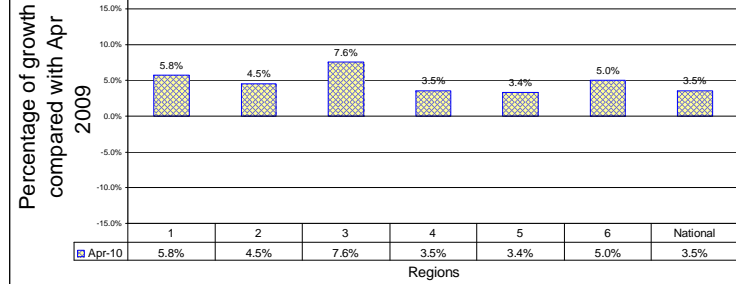




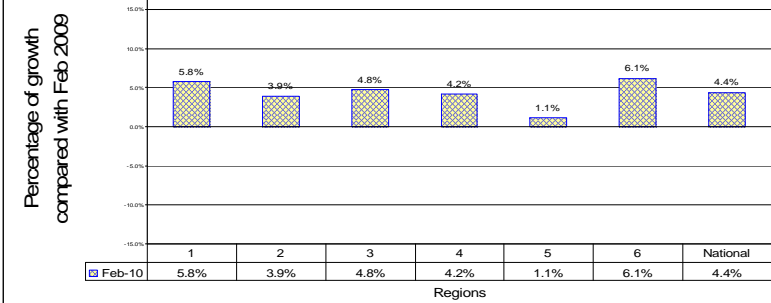
Regional Growth - Jan 2010  
Heavy Vehicles



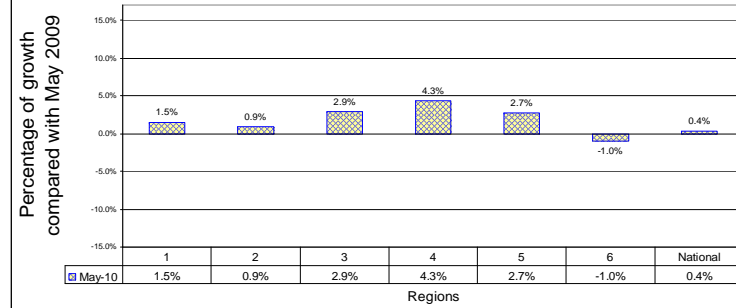
Regional Growth - Apr 2010  
Heavy Vehicles



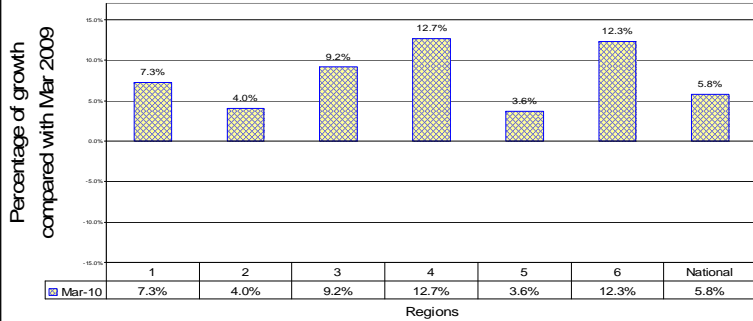
Regional Growth - Feb 2010  
Heavy Vehicles



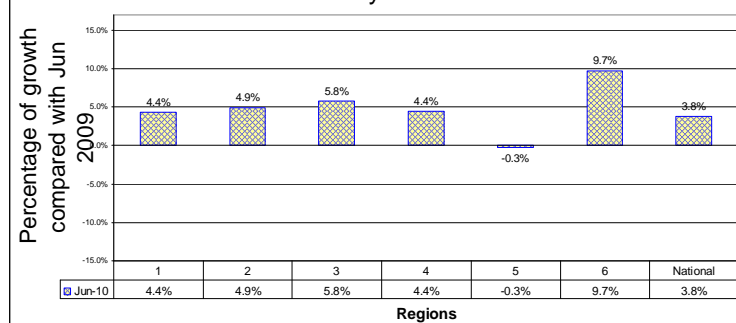
Regional Growth - May 2010  
Heavy Vehicles

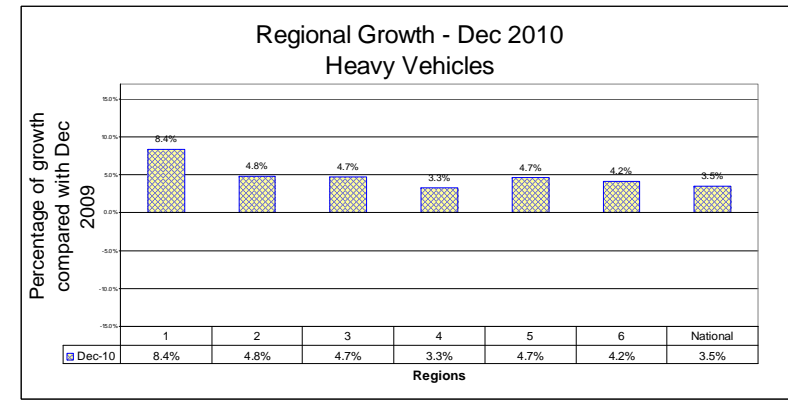
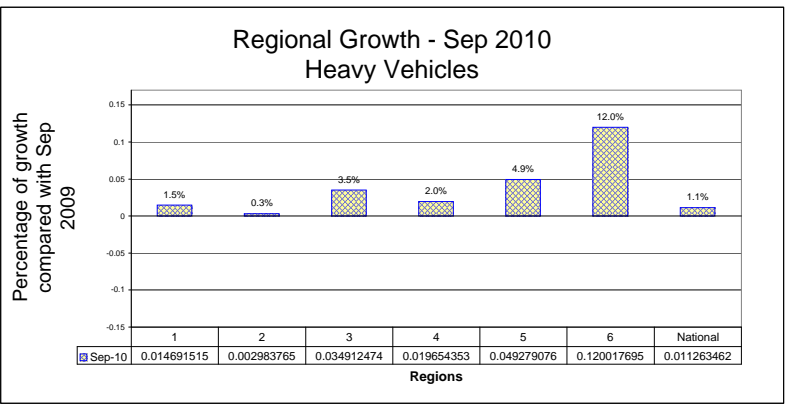
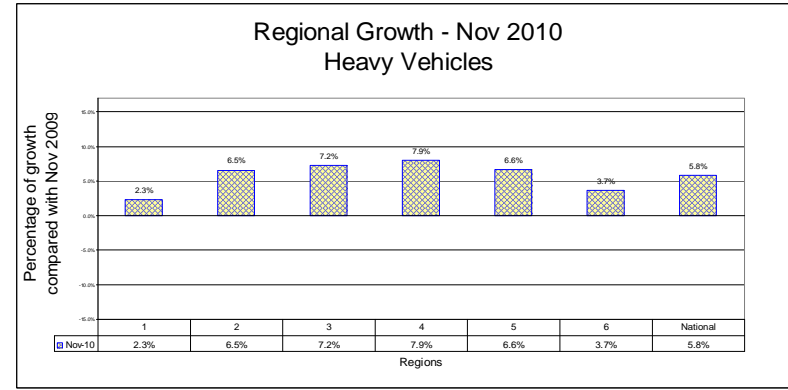
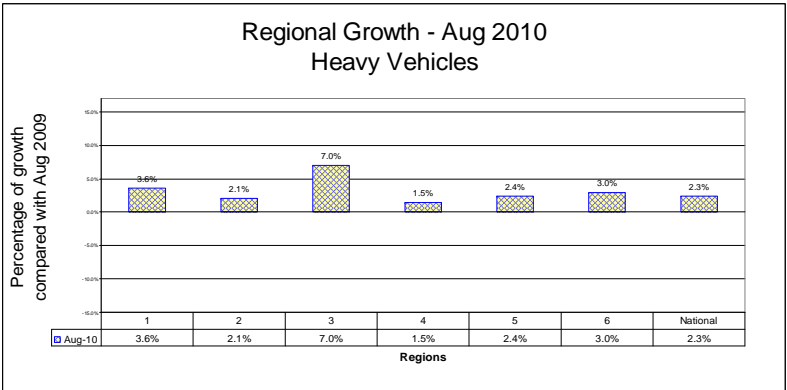
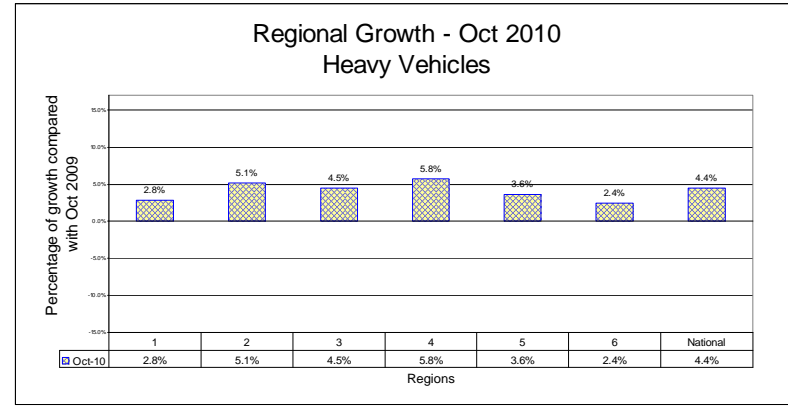
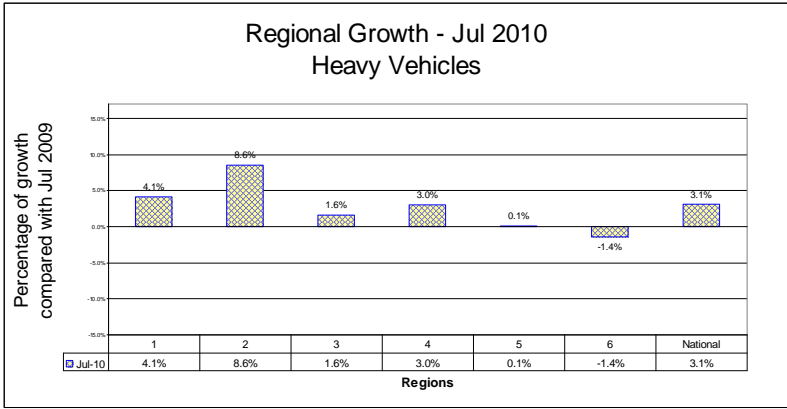


Regional Growth - Mar 2010  
Heavy Vehicles

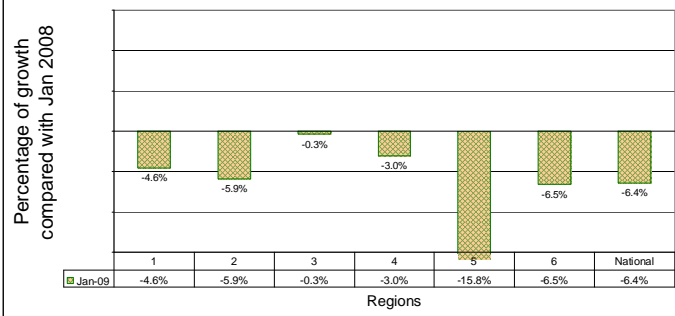


Regional Growth - Jun 2010  
Heavy Vehicles

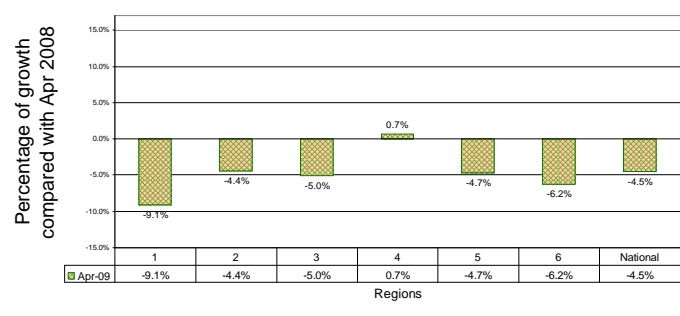




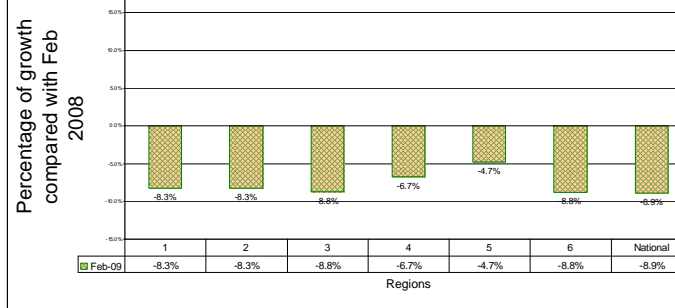
Regional Growth - Jan 2009  
Heavy Vehicles



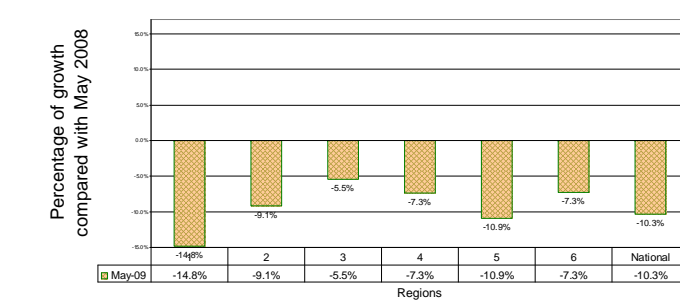
Regional Growth - Apr 2009  
Heavy Vehicles



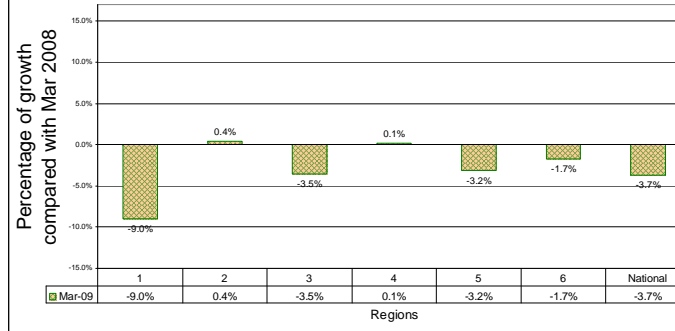
Regional Growth - Feb 2009  
Heavy Vehicles



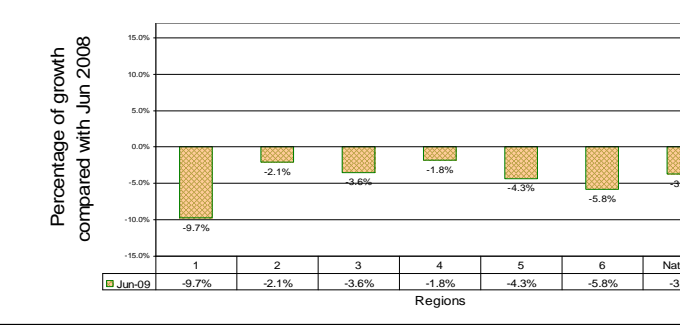
Regional Growth - May 2009  
Heavy Vehicles

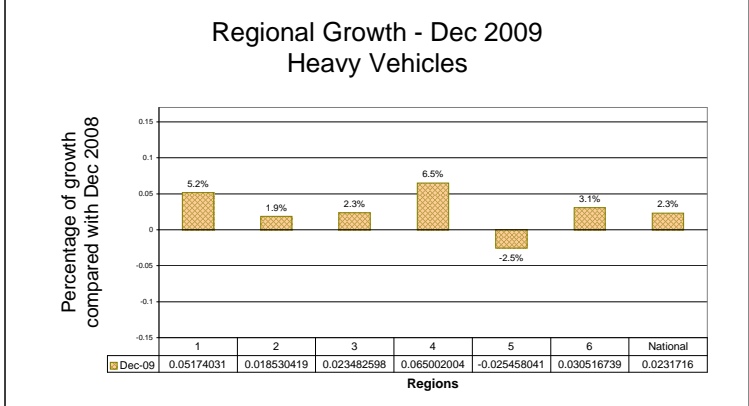
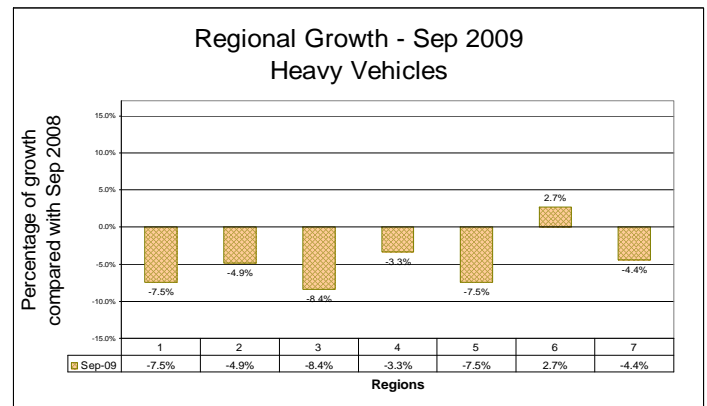
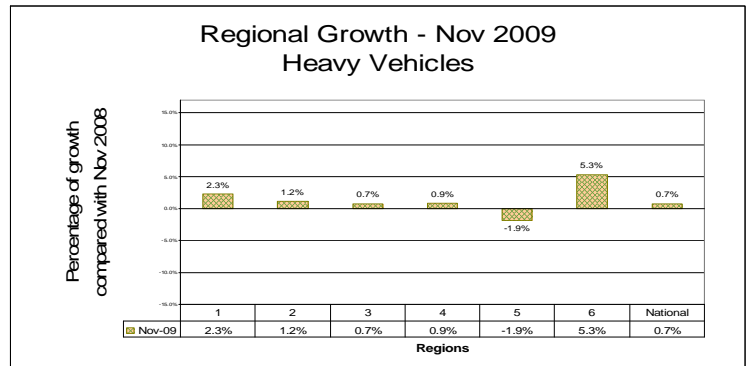
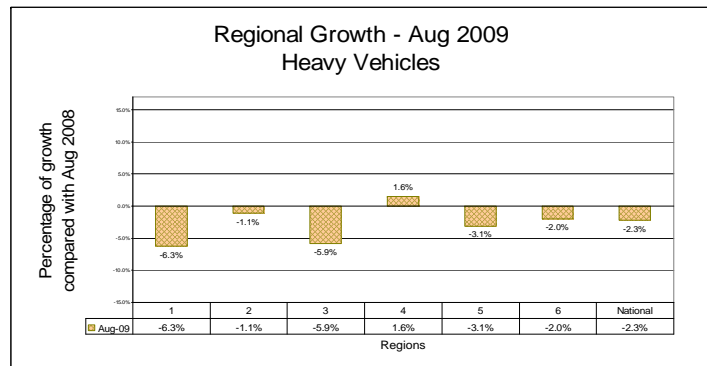
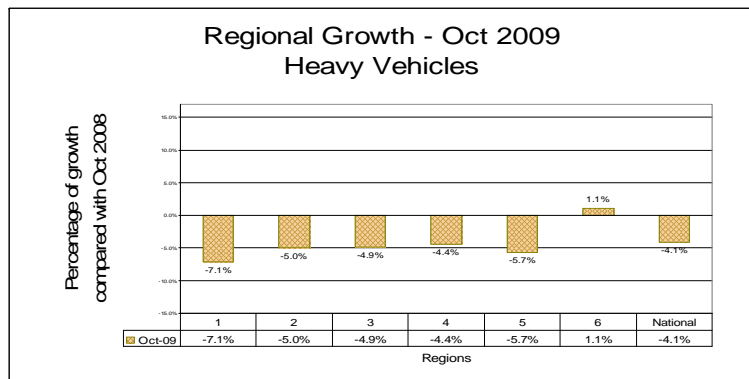
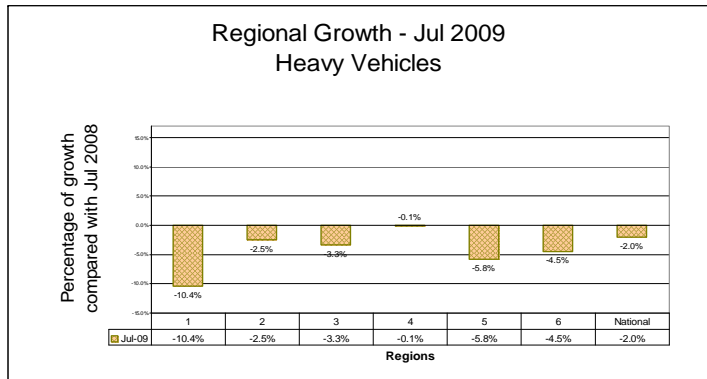


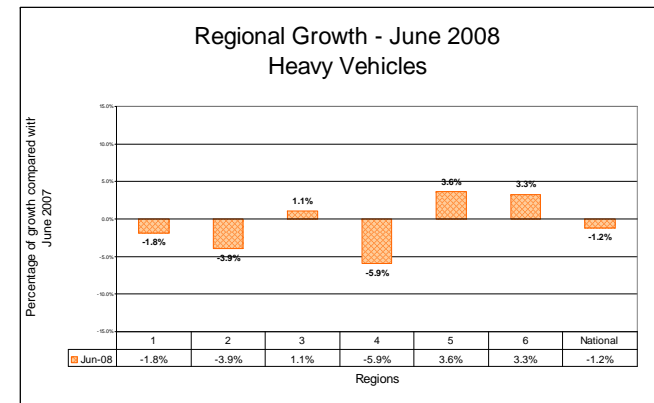
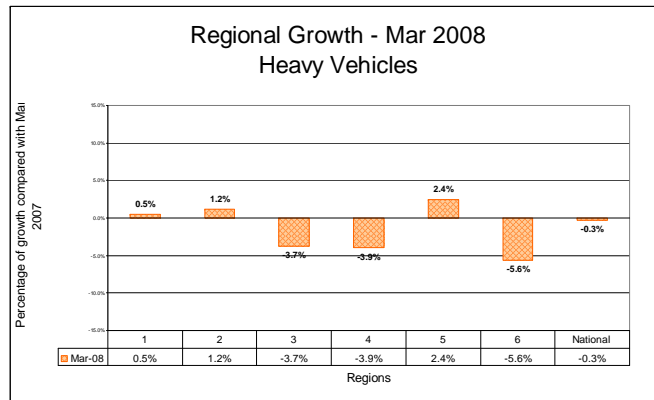
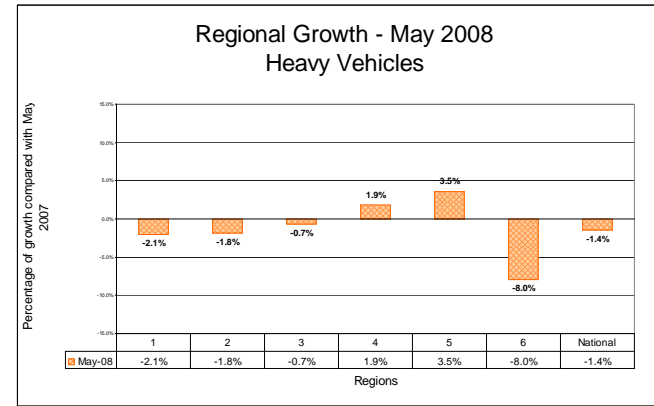
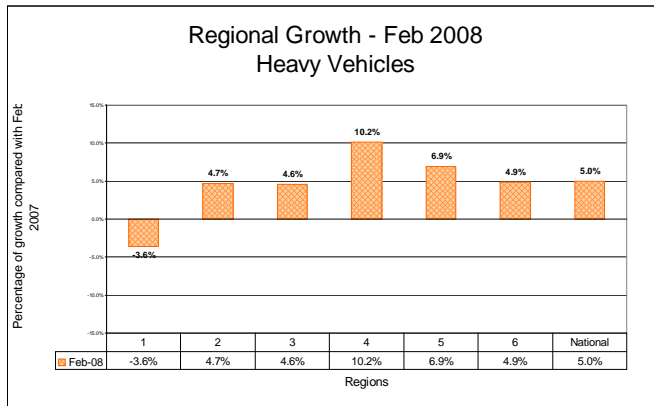
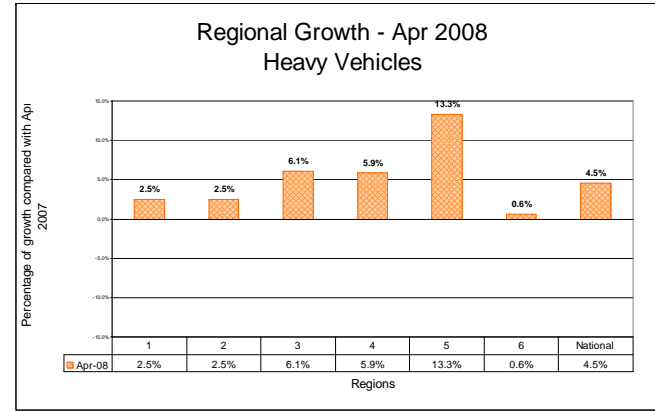
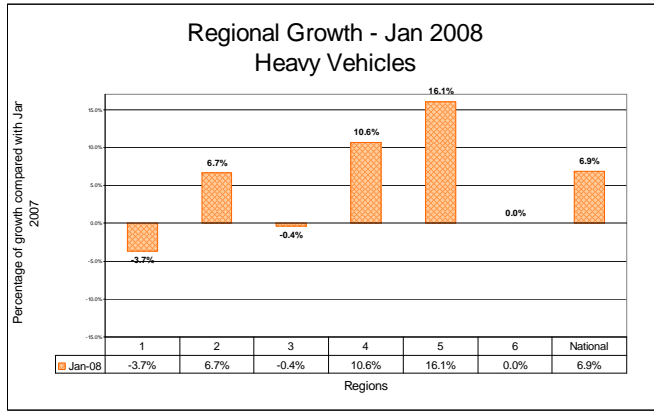
Regional Growth - Mar 2009  
Heavy Vehicles



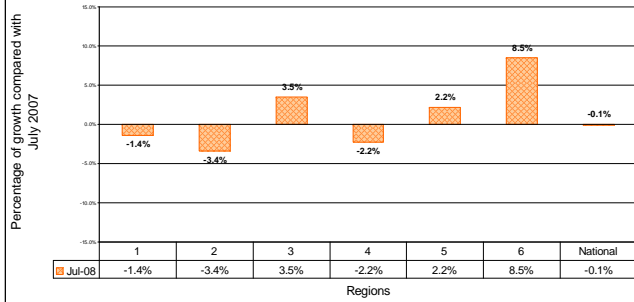
Regional Growth - Jun 2009  
Heavy Vehicles



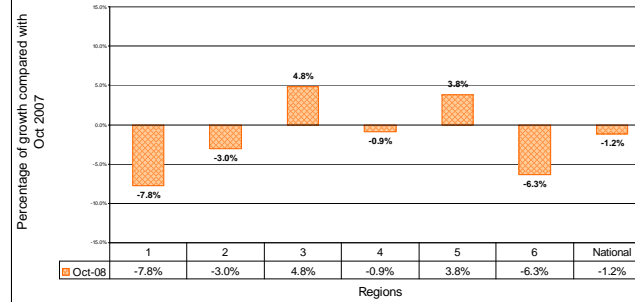




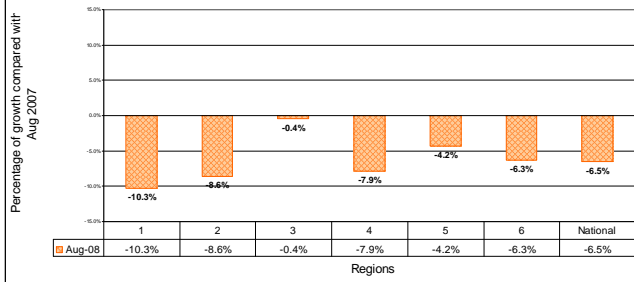
Regional Growth - July 2008  
Heavy Vehicles



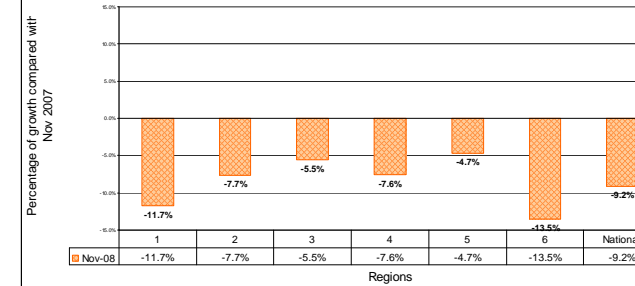
Regional Growth - Oct 2008  
Heavy Vehicles



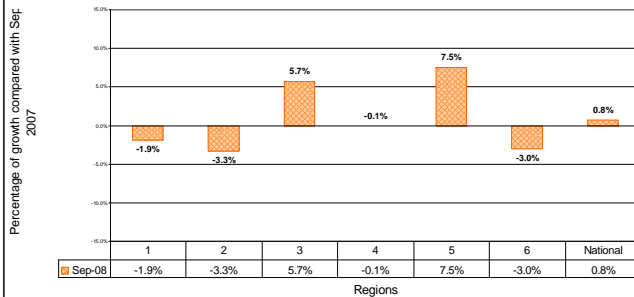
Regional Growth - Aug 2008  
Heavy Vehicles



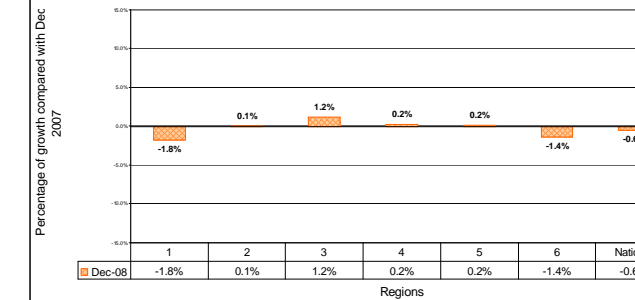
Regional Growth - Nov 2008  
Heavy Vehicles



Regional Growth - Sep 2008  
Heavy Vehicles



Regional Growth - Dec 2008  
Heavy Vehicles



Telemetry Site MADT All Vehicles

NZTA Region	Site Ref	Description	Aug- 11	Sep- 11	Oct- 11	Nov- 11	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12
1	ID:01N00212	KAWAKAWA	5165	5313	5812	6062	6750	7181	6520		6061	5305	5176	5129	5012
1	ID:01200026	KAIKOHE	1208	1194	1217	1386				1254	1228	1194	1142	1117	1104
1	ID:01400016	MAUNGATAPERE	2338	2363	2420	2607	2455	2272	2459	2692	2441	2524	2465	2366	2410
1	ID:01700006	HATFIELDS BEACH	5019	5051	5636	5850	6185	7076	6573	5836	6305	5234	5148	5069	5054
1	ID:01N10459	DRURY - SB (Park Estate)	27894	27967	29323	30050	31471	29342	30622	30171	30019	28630	28669	28191	28235
1	ID:01N20459	DRURY - NB (Park Estate)	27988	27912	29578	30081	30377	30561	30671	29847	30366	28248	28495	28161	27730
1	ID:01N00336	WELLSFORD - Nth of Mangawhai Rd	7463	7748	8810	8761	9568	11318	9634	8720	9556	7660	7839		7348
1	ID:01N10440	PANAMA Rd - SB			57061	58392	48368	51106	56233	57947	58251	60187	57225	58316	60545
1	ID:01N20440	PANAMA RD - NB			60686	62110	52369	54066	58745	59551	54491	55738	52837	54490	56354
1	ID:01N10474	BOMBAY - SB	16171	17241	18311	17877		20137	19137	18296	19895			16761	16156
1	ID:01N20474	BOMBAY - NB	16169	17035	18356	17733		20515	19023	18119	20374			16943	16035
1	ID:01N00388	ALPURT	12242	12364	14219	14291	15852	18046	15543	14094	15350	12942	13222	13061	12610
1	ID:02000006	SH20 Puhinui Rd to Massey Rd	56527	57429	56024	60618	57667	52124			56207	60211	58011	57206	59132
1	ID:01N00424	Auckland Harbour Brg - Centre Span	71570	71209	69542	71793	68516	66424	69257	68694	73628	74811	71091	70899	73647
1	ID:01N10424	Auckland Harbour Brg - Left Clip-on	39499	39618	39653	41249	38614	38317	42071	41977	40486	42596	41737	41407	42280
1	ID:01N20424	Auckland Harbour Brg - Right Clip-on	42004	43075	42758	44069	42733	38024	42456	43324	40193	43850	42532	42864	43039
2	ID:00200002	MAUNGATAWHIRI - West of Grahams Brg	11329	11711	13605	13227			13902	13012	13911	11416		11892	11218
2	ID:25A00024	HUKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	2189	2410	3046	2990	4085	5309	3745	3187	3599	2244	2531	2518	2209
2	ID:02700011	KAIHERE	3896	4011	4493	4348	4728	4587	4385	4254	4603	3847	3858	4033	3671
2	ID:01N00526	TAUPIRI - Nth of Gordonton Rd	19867	19802	21236	21067	21773	20748	21705	20816	21901	19979			19576
2	ID:01N00620	LICHFIELD - Sth of Baldwin Rd	8347	8557	9208	9130	9777	9437	9623	9360	9554	8553	8551	8663	8480
2	ID:00300085	TE KUITI - Nth of 8 Mile Junction	4061	4087	4253	3923	4304	4170	4141	4009	4303	3632	3918	4035	3864
2	ID:03200074	West of Taupo	623	649	736	715	757	851	766	637	711	514	565	592	553
2	ID:01N00580	KARAPIRO	13314	13167	14581	14657	15425	15324	15208	14857	15495	13582	14304	13724	13187
2	ID:00200091	WAIHI - East of Samson Rd West	6533	6615	7541	7445	8318	9474	7975	7487	8229	6783	7051	6529	6626
2	ID:01N00729	HALLETT'S BAY	4669	4843	5322	4989	5655	6727	5727	4982	5408	4162	4403	4985	4407
2	ID:01N00628	TOKOROA - (WIM Site)	7754	7996	8672	8539	9309	9100	9002			7896	7940	8074	7861
2	ID:01N90552	GREENWOOD	22228	21969	21678	23005	21894	20057	22369	23099	21856	23412		22145	22785
2	ID:00200141	TE PUNA - West of Snodgrass	15461	15485	15915	17166	17569	17039	16814	16426	16580	16095	15668	14827	15545
2	ID:03010149	TE NGA - East End of Puarenga Brg (Inc)	16552	16157	15990	17459	16979	16329	16972	17388	16421	16982	16612	16153	16650
2	ID:03020149	East end of Puarenga Brg (Dec)	16591	16162	16036	17523	16811	16636	17020	17357	16390	16945	16596	16127	16612
2	ID:00200204	OHINEPANEA - West of Rogers Rd	4410	4540	4705	4955	5203	5306	4993	4514	4860	4593	4553	4389	4373
2	ID:03000188	LAKE ROTOMA	2534	2613	2693	2798	3046	3367	2998	2777	2927	2622	2639	2623	2576
2	ID:03300030	Sth of Maungarangi Rd Paengaroa	3639	3562	3767	3909	4157	4545	4119	3892	4130	3752	3665	3536	3483
2	ID:00500034	TARUKENGA - 4.7km West of Dalbeth Rd	4627	4758	5134	5121	5403	5878	5276	5152	5811	4558	4938	4933	4577
2	ID:02900034	KAIMAI - 100m past Boulder Brg (Kaukumoutiti Stream)	8072	8185	8744	8761	9311	9297	9087	8853	9423	8489	7879	8556	7871
2	ID:00500057	WAIPA - Sth of SH30							7759	7535	7611	6758	6635	6809	6593
2	ID:00200176	TE PUKE - (WIM Site)	18240		17686	18859	18839	18273	18631	17951				16956	17460
2	ID:00200242	AWAKERI	7323	7342	7005	7700	7691	7332	7338	7687	8517	8733	8353	8658	8776
2	ID:00210152	TAKITIMU DRIVE - Inc	14775	14889			16817	14415	15382	15187	14563	15065	14713	14234	14779
2	ID:00220152	TAKITIMU DRIVE - Dec	15977	16079			18032	15593	16675	16486	15643	16302	15734	15204	15705
3	ID:00200428	ORMOND	2132	2165	2288	2457	2495	2646	2530	1827	2149	2185	2150	2015	2100
3	ID:03500320	OKITU (New location from April 2012)	2704	2939	3009	3391	3909	4158	3453	3096	4093	3998	3980	3540	3801
3	ID:00200627	TANGOIO	1750	1863	1977	2054	2144	2528	2201	2265	1972	1889	1891	1748	1719
3	ID:00500230	TE POHUE - 1km Nth of Oakmere Station Gateway	2262	2506	2720	2667	2897	3358	3196	3195	3046	2352	2459	2436	2253
3	ID:00500259	ESKDALE - (WIM Site)	3042	3322	3618	3614	3969	4359	3895	4046	3862	3198	3295	3246	3086
3	ID:05000010	Nth of Tutaekuri River	21071	21149	20548	22445			23151	22857	21085	22198	21360	20752	21291
3	ID:00300171	TONGAPORUTU Brg	1744	1933	2175	2026	2233	2517	2243	2135	2349	1767	1979	1852	1690
3	ID:00300267	TARKI	8341	8382	8456	9160	8868	8267	9096	9062	8923	9013	8507	8502	8319
3	ID:00300370	WAITOTARA	3131	3242	3416	3438	3646	3542	3569	3799	3839	3486	3220	3410	3325
3	ID:04500101	OHAWA BEACH Rd	3518		3936	4074	4017	3715	3880	3734	3616	3582	3344	3318	3509
3	ID:01N00930	SANSON	11190	11357	12117	12027	12817	12553	12662	12557	12661	11353	11257	11636	11117
3	ID:01N00988	OHAU	13386	13661	14557	14418	15674	15241	15317	14585	14857	13192	13252	13612	13090
3	ID:00200755	NORSEWOOD	3211	3510	3884	3735	4073	4417	4280	3894	3990	3300	3326	3343	3103
3	ID:00300489	MANAWATU GORGE	5677										3268		



Telemetry Site MADT All Vehicles

NZTA Region	Site Ref	Description	Aug- 11	Sep- 11	Oct- 11	Nov- 11	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12
3	ID:00400133	HOROPITO	2277	1999	1974	1575	1754	1931	1805	1649	1870	1362	1649	2142	2000
3	ID:00400226	UPOKONGARO	1713	1745	1798	1876	1974	2036	1987	1943	1899	1685	1706	1679	1641
3	ID:01N00827	HIHITAHU	3676	4058	4671	4263	4727	5147	4861	4260	4862	3627	3843	4145	3793
3	ID:05400049	FIELDING	6089	5989	5921	6394	6125	5367	6280	6671	6136	6710	6604	6576	6525
3	ID:05700014	SHANNON	6929	6821	7055		7389	6710	7441	7408	7177	7050	6987	6929	6844
4	ID:01N11068	NGAURANGA - SH1 Sth Bound Lanes			22368	23225	21754	20108	23040	22763	21464	22667	22123	21710	21589
4	ID:00200895	CLAREVILLE - Nth of Whites Line	9874	10526	10887	11282	11429	10713	11414	11092	10594	10658	10279	9971	10320
4	ID:00200937	RIMUTAKA - Pukuratahi River Brg	4126		5927	5832	6026	6377	6653	5801		5324	5068	5178	4950
4	ID:01N01036	PUKERUA BAY - (Piezo Axle Classification)	21921	22053	22922	23390	24480	23301	24341	23344	22915	22155	21780	22204	21711
4	ID:01N21068	NGAURANGA - SH1 Nth Bound Lanes	22270	22403	22251	23278	19050	19669	22947	22866	21339	22816	21897	21875	22495
4	ID:05800009	Pauatahanui East		13305	13481	14341	13952	12721	14256	14062	13509	13772	13261	13197	13485
4	ID:00210979	NGAURANGA - SH2 Sth Bound Lanes			21488	22623	20847	18873	22262	22227	20630	22048	21223	20709	21425
4	ID:00220979	NGAURANGA - SH2 Nth Bound Lanes	21380	21476	21254	22625	17798	18567	22049	22002	20425	21895	20754	20769	21293
4	ID:00210965	KELSON - SB	16521	17015	16902	17961	17080	15908	17926	17682	16994	17771	16852	16855	17082
4	ID:00220965	KELSON - NB	15806	16332	16141	17200	16551	14888	17087	17073	16396	17240	16397	16252	16687
4	ID:00600122	STOKE - Whakatu Drive at Songer St	20498	20484	20373	22179	21073	21532	22276	21314	19919	20729	19992	19881	20359
4	ID:00600232	MURCHISON	1269	1429	1805	1803	2121		2231	1940	2095	1385	1219	1336	1279
4	ID:00600100	HIRA	2736		3094	3296	3445	3802	3696	3432	3243	2861	2868		2622
4	ID:06000040	SH60 Riwaka	2500	2656	3122	3638	4441	5685	4819	3939	3659	2790	2493	2370	2386
4	ID:01S00037	Blenheim	3168	3213	3358	3673	4294	4225	3955		3957	3210	3188	3128	3006
4	ID:06300096	ST ARNAUD	217	247	324	329	388	442	418	385	359	239		243	203
5	ID:01S00389	DUNSANDEL	8709	9555	10206	10636	11121	10649	10816	10447	10796	9551	9152	9707	9277
5	ID:01S00505	EVANS St Timaru	19134	19077	20313	21488	21390	19845	20461	20255	20008	20133	20602	19897	19471
5	ID:07300064	Springfield - West of Township	1412	1433	1536	1557	1598	1847	1646	1519	1703	1198	1292	1491	1527
5	ID:01S00144	KAIKOURA - Nth of Hapuku River	1768	1968	2383	2555	2750	3362	2903	2478	2589	1905	1995	1939	1723
5	ID:01S00522	ST ANDREWS	4822	5355	5658	5896	6148	5865	5947	5765	5991	5480	5241	5302	5008
5	ID:00700108	LEWIS PASS	775	874	1173	1108	1285	1560	1337	1164	1293	859		897	818
5	ID:07409005	QE II Drive East Of Main Nth Rd		20889	20052	21123	20375	17932		19148	16605				18733
5	ID:01S00285	WAI PARA - (WIM Site)	5734	6636	7592	7598	8505	8924	8170	6999		6443	6332	6503	6125
5	ID:01S10327	WAIMAKARIRI BRIDGE - SB	18994	20064	20435	21801	21029	20103	21715	21823	20591	21265	19692	20354	20822
5	ID:01S20327	WAIMAKARIRI BRIDGE - NB	18253	19389	19547	21044	20612	18786	20647	20975	19787	20410	18906	19395	19993
5	ID:00800059	FAIRLIE	1775	1737	1898	2089	2442	2707	2536	2352	2603	1633	1638	1868	1873
5	ID:00600454	CHESTERFIELD	2414	2582	2767	3004	3144	3268	3275	3024	2876	2614	2296	2489	2489
5	ID:00700239	AHAURA			1242	1309			1390	1354	1307	1137	1084	1118	1147
5	ID:00600398	PUNAKAIKI - Just Nth of Canoe Creek					1116	1299	1287	1083	1004	738	640	694	716
6	ID:00800336	ALEXANDRA - Sth Near Butchers Dam	1719	1946	2113	2082	2324	2560	2402	2231	2338	1845	1768	1822	1937
6	ID:01S10713	BURNSIDE - Sth Bound	14950	15267	15207	16201	15593	13736	16031	15763	14996	15824	15089	15003	15293
6	ID:01S20713	BURNSIDE - Nth Bound	10325	10474	10391	11063	10595	9560	11014	10969	10361	10883	10410	10431	10536
6	ID:01S50713	BURNSIDE - On Ramp - Nth Bound	2458	2470	2436	2577	2525	2241	1502	2527	2391	2556	2432	2429	2442
6	ID:01S60713	BURNSIDE - Off Ramp - Sth Bound	3212	3247	3179	3511	3221	2909	1986	3425	3094	3304	3144	3086	3178
6	ID:01S40713	BURNSIDE - Off Ramp - Nth Bound	3198	3301	3323	3623	3324	2935	3455	3442	3204	3403	3281	3187	3273
6	ID:01S40714	Burnside - Nth Bound Off Ramp	2164	2243	2197	2392	2230	2026	2306	2285	2120	2251	2099	2090	2158
6	ID:01S00765	MILTON	5087	5783	6210	6549	6662	6464	6830	6515	6520	6005	5478	5568	5590
6	ID:06A00001	FRANKTON	17027	16466	16037	17256	18230	18799	18404	18036	17754	15940	16281	18324	18910
6	ID:08500161	GALLOWAY	1683	1838	1807	1946	2175	2339	2174	1969	2022	1841	1671	1702	1808
6	ID:08800004	RAVENSBORNE	8013	8409	8313	8958	8548	7689	8839	8815	8033	8574	8174	8074	8339
6	ID:01S00921	INVERCARGILL	11263	11219	10862	11828	11030	9339	11404	11853	10496	11577	11032	10914	11543
6	ID:00601147	WINTON	4326	4444	4360	4577	4825	4322	4757	4757	4488	4548	4307	4290	4539
6	ID:00601082	FIVE RIVERS	1168	1389	1661	1842	2180	2350	2370	2084	2022	1402	1273	1318	1323
6	ID:01S00854	GORE	3564	3684	3973	4265	4323	4101	4607	4267	4105	3990	3670	3635	3706
6	ID:09400141	TE ANAU	615	753	927	1356	1436	1685	1599	1398	1358	760	625	739	746

Telemetry Site MADT Heavy Vehicles

NZTA Region	Site Ref	Description	Aug- 11	Sep- 11	Oct- 11	Nov- 11	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12
1	ID:01N00212	KAWAKAWA	601	655	667	748	687	730	756		677	682	585	573	616
1	ID:01200026	KAIKOHE	60	61	60	95				65	53	51	61	47	45
1	ID:01400016	MAUNGATAPERE	279	289	285	309	237	231	284	270	263	252	232	241	269
1	ID:01700006	HATFIELDS BEACH	193	199	211	233	223	245	257	234	188	166	152	148	153
1	ID:01N10459	DRURY - SB (Park Estate)	2306	2323	2307	2627	2489	2308	2600	2700	2511	2599	2388	2300	2414
1	ID:01N20459	DRURY - NB (Park Estate)	2203	2205	2210	2502	2320	2246	2486	2581	2421	2478	2279	2186	2290
1	ID:01N00336	WELLSFORD - Nth of Mangawhai Rd	837	880	919	1006	935	1056	1060	1001	948	936	839		822
1	ID:01N10474	BOMBAY- SB	1866	2000	2136	2370		2296	2316	2327	2198			1899	1949
1	ID:01N20474	BOMBAY - NB	1922	2043	2219	2425		2418	2395	2398	2312			1902	1939
1	ID:01N00388	ALPURT	1117	1139	1206	1344	1290	1435	1384	1285	1278	1227	1149	1096	1019
1	ID:02000006	SH20 Puhinui Rd to Massey Rd	3100	3084	2947	3525	3251	2891			3145	3584	3268	3149	3373
2	ID:00200002	MAUNGATAWHIRI - West of Grahams Brg	1558	1676	1718	1832			1668	1782	1770	1692		1498	1559
2	ID:25A00024	HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	199	217	250	284	315	369	287	261	277	209	215	240	236
2	ID:02700011	KAIHERE	797	866	871	957	863	822	935	967	870	900	789	805	810
2	ID:01N00526	TAUPIRI - Nth of Gordonton Rd	2102	2157	2145	2397	2169	2016	2260	2251	2107	1994			2003
2	ID:01N00620	LICHFIELD - Sth of Baldwin Rd	1312	1437	1466	1564	1437	1334	1545	1652	1495	1508	1310	1291	1404
2	ID:00300085	TE KUITI - Nth of 8 Mile Junction	637	665	675	760	671	655	737	735	713	732	627	592	605
2	ID:03200074	West of Taupo	105	122	126	145	103	102	121	104	89	84	75	71	70
2	ID:01N00580	KARAPIRO	1483	1472	1512	1667	1626	1585	1755	1727	1649	1515	1314	1267	1482
2	ID:00200091	WAIHI - East of Samson Rd West	733	746	767	854	791	808	854	861	826	797	752	665	751
2	ID:01N00729	HALLETT'S BAY	663	759	750	826	744	822	888	843	756	786	712	668	678
2	ID:01N00628	TOKOROA - (WIM Site)	1337	1504	1504	1606	1473	1416	1595			1525	1318	1319	1457
2	ID:01N90552	GREENWOOD	1709	1665	1637	1830	1686	1552	1814	1765	1578	1768		1564	1687
2	ID:00200141	TE PUNA - West of Snodgrass	1111	1126	1099	1260	1121	1087	1212	1236	1244	1325	1149	1014	1146
2	ID:03010149	TE NGA - East End of Puarenga Brg (Inc)	962	962	927	1068	946	927	1022	1068	957	1029	952	909	965
2	ID:03020149	East end of Puarenga Brg (Dec)	936	944	900	1081	925	951	1039	1128	1028	1108	1027	980	1036
2	ID:00200204	OHINEPANEA - West of Rogers Rd	722	824	770	861	758	719	811	723	783	805	697	658	731
2	ID:03000188	LAKE ROTOMA	310	310	309	351	301	346	372	340	349	348	310	320	336
2	ID:03300030	Sth of Maungarangi Rd Paengaroa	545	547	553	618	559	571	613	610	599	629	563	504	530
2	ID:00500034	TARUKENGA - 4.7km West of Dalbeth Rd	583	576	609	682	626	651	682	634	628	569	512	495	545
2	ID:02900034	KAIMAI - 100m past Boulder Brg (Kaukumoutiti Stream)	1201	1258	1270	1408	1344	1243	1424	1395	1365	1305	1152	1157	1207
2	ID:00500057	WAIPA - Sth of SH30							972	956	905	919	829	785	816
2	ID:00200176	TE PUKE - (WIM Site)	1848		1802	2022	1699	1652	1975	1885				1643	1805
2	ID:00200242	AWAKERI	574	648	566	709	608	619	745	706	797	797	660	690	714
2	ID:00210152	TAKITIMU DRIVE - Inc	1108	1141			1334	978	1153	1171	1156	1220	1073	991	1066
2	ID:00220152	TAKITIMU DRIVE - Dec	1225	1237			1415	982	1159	1164	1153	1220	1081	990	1075
3	ID:00200428	ORMOND	210	229	227	258	222	257	379	244	205	237	224	202	215
3	ID:03500320	OKITU (New location from April 2012)	273	285	293	359	292	322	425	367	384	483	443	379	412
3	ID:00200627	TANGOIO	346	358	348	411	351	419	440	491	350	401	375	335	377
3	ID:00500230	TE POHUE - 1km Nth of Oakmere Station Gateway	472	525	483	573	460	458	583	694	564	607	525	505	508
3	ID:00500259	ESKDALE - (WIM Site)	576	644	579	679	540	577	608	789	628	698	616	613	612
3	ID:05000010	Nth of Tutaeakuri River	1269	1341	1242	1418			1547	1588	1432	1518	1381	1241	1266
3	ID:00300171	TONGAPORUTU Brg	399	410	433	488	402	464	457	440	428	424	384	353	357
3	ID:00300267	TARIKI	960	1008	1034	1134	1008	987	1063	1097	1048	1070	884	848	931
3	ID:00300370	WAITOTARA	571	561	598	671	614	565	599	642	672	623	480	480	599
3	ID:04500101	OHAWE BEACH Rd	370		605	584	530	501	497	463	434	342	237	243	406
3	ID:01N00930	SANSON	1372	1470	1501	1638	1557	1477	1636	1646	1552	1536	1355	1334	1419
3	ID:01N00988	OHAU	1366	1411	1401	1496	1444	1376	1559	1494	1388	1423	1305	1305	1309
3	ID:00200755	NORSEWOOD	525	603	580	618	566	621	698	704	653	652	513	499	515
3	ID:00300489	MANAWATU GORGE	723										426		
3	ID:00400133	HOROPITO	297	294	270	288	259	285	325	317	296	291	277	270	266
3	ID:00400226	UPOKONGARO	138	139	133	195	155	184	175	181	163	151	143	128	125

Telemetry Site MADT Heavy Vehicles

NZTA Region	Site Ref	Description	Aug- 11	Sep- 11	Oct- 11	Nov- 11	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12
3	ID:01N00827	HIHITAH	740	830	883	967	839	829	993	1004	914	938	822	825	831
3	ID:05400049	FIELDING	234	244	251	276	274	234	274	289	247	259	239	252	243
3	ID:05700014	SHANNON	645	655	624		654	606	714	695	625	644	623	588	594
4	ID:01N11068	NGAURANGA - SH1 Sth Bound Lanes			744	818	735	709	813	765	710	778	751	705	623
4	ID:00200895	CLAREVILLE - Nth of Whites Line	506	600	606	660	588	569	686	670	600	576	476	487	537
4	ID:00200937	RIMUTAKA - Pukuratahi River Brg	251		335	391	342	359	401	380		328	266	283	286
4	ID:01N01036	PUKERUA BAY - (Piezo Axle Classification)	1745	1794	1732	1874	1769	1619	1896	1871	1738	1863	1675	1702	1746
4	ID:01N21068	NGAURANGA - SH1 Nth Bound Lanes	701	703	697	766	586	668	769	740	671	733	682	689	617
4	ID:05800009	Pauatahanui East		659	630	707	666	619	738	668	551	560	507	490	509
4	ID:00210979	NGAURANGA - SH2 Sth Bound Lanes			870	963	824	800	891	883	810	872	876	794	669
4	ID:00220979	NGAURANGA - SH2 Nth Bound Lanes	755	780	756	865	567	694	778	762	692	757	738	723	739
4	ID:00210965	KELSON - SB	648	672	646	754	672	643	777	760	699	723	619	631	653
4	ID:00220965	KELSON - NB	555	587	562	646	600	546	663	699	669	679	583	580	613
4	ID:00600122	STOKE - Whakatu Drive at Songer St	1239	1252	1167	1349	1168	1291	1355	1415	1273	1347	1181	1183	1185
4	ID:00600232	MURCHISON	237	258	293	320	314		349	328	310	260	189	211	231
4	ID:00600100	HIRA	440		430	501	453	495	533	522	479	478	428		415
4	ID:06000040	SH60 Riwaka	165	176	193	254	253	312	308	291	261	219	152	145	154
4	ID:01S00037	Blenheim	531	577	589	649	580	637	669		714	616	489	454	500
4	ID:06300096	ST ARNAUD	30	32	39	41	38	41	46	43	39	33		20	20
5	ID:01S00389	DUNSANDEL	1227	1434	1496	1627	1562	1554	1632	1554	1484	1453	1202	1196	1292
5	ID:01S00505	EVANS St Timaru	1306	1356	1561	1706	1485	1494	1638	1619	1539	1537	1240	1211	1205
5	ID:07300064	Springfield - West of Township	162	180	192	215	202	241	216	196	191	184	140	155	170
5	ID:01S00144	KAIKOURA - Nth of Hapuku River	429	473	480	534	478	538	559	532	486	486	439	411	403
5	ID:01S00522	ST ANDREWS	758	884	926	975	912	963	1006	985	952	930	716	684	732
5	ID:00700108	LEWIS PASS	152	166	191	193	192	237	215	201	193	175		140	140
5	ID:07409005	QE II Drive East Of Main Nth Rd		629	592	707	611	557		592	500				585
5	ID:01S00285	WAIPARA - (WIM Site)	986	1191	1219	1344	1271	1377	1413	1273		1134	933	919	936
5	ID:01S10327	WAIMAKARIRI BRIDGE - SB	1074	1256	1274	1406	1238	1271	1419	1386	1316	1384	1188	1226	1355
5	ID:01S20327	WAIMAKARIRI BRIDGE - NB	997	1150	1156	1289	1203	1135	1287	1264	1208	1241	1061	1082	1154
5	ID:00800059	FAIRLIE	168	199	224	276	303	336	318	302	318	202	162	161	172
5	ID:00600454	CHESTERFIELD	230	324	373	397	377	378	380	342	325	284	188	207	244
5	ID:00700239	AHAURA			205	235			195	195	178	148	135	143	159
5	ID:00600398	PUNAKAIKI - Just Nth of Canoe Creek	72	90	101	113	105	110	118	109	103	72	57	57	80
6	ID:00800336	ALEXANDRA - Sth Near Butchers Dam	167	186	195	209	236	273	257	239	224	202	159	164	204
6	ID:01S10713	BURNSIDE - Sth Bound	736	837	840	900	834	831	952	923	837	850	717	710	737
6	ID:01S20713	BURNSIDE - Nth Bound	570	659	670	710	643	664	742	729	641	658	545	536	565
6	ID:01S50713	BURNSIDE - On Ramp - Nth Bound	112	113	111	123	111	106	68	131	128	130	111	109	111
6	ID:01S60713	BURNSIDE - Off Ramp - Sth Bound	184	191	192	206	187	174	122	216	195	197	183	187	190
6	ID:01S40713	BURNSIDE - Off Ramp - Nth Bound	113	124	129	146	140	129	155	158	148	140	121	118	118
6	ID:01S40714	Burnside - Nth Bound Off Ramp	64	71	70	71	64	64	79	75	70	74	67	69	73
6	ID:01S00765	MILTON	599	786	868	928	890	915	953	921	836	807	614	610	662
6	ID:06A00001	FRANKTON	792	813	817	939	957	1127	1386	987	892	746	663	797	844
6	ID:08500161	GALLOWAY	105	114	111	126	127	148	152	144	135	128	99	96	121
6	ID:08800004	RAVENSBOURNE	389	454	465	555	487	491	549	513	490	500	406	388	409
6	ID:01S00921	INVERCARGILL	374	375	366	395	343	304	376	383	336	374	365	380	421
6	ID:00601147	WINTON	409	454	442	434	476	453	518	515	471	428	347	336	411
6	ID:00601082	FIVE RIVERS	127	143	170	227	238	249	246	227	207	161	127	132	147
6	ID:01S00854	GORE	405	478	533	573	560	554	628	596	540	507	372	337	426
6	ID:09400141	TE ANAU	66	81	104	160	156	175	172	161	156	79	61	77	78