



Traffic Volumes Monthly Report December 2012

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Quality Assurance Statement

Project Manager: Gerald Wen

Prepared by: Gerald Wen

Reviewed by: Philip Blagdon

Approved for issue by: Philip Blagdon

Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	07/01/2013	Final	Gerald Wen	Philip Blagdon	

Overview

Summary

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

In December 2012, compared with December 2011, the MADT for all vehicles increased by 1.7%; the MADT for heavy vehicles increased by 1.1%.

In this report

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Technical Notes

What is MADT? Monthly Average Daily Traffic (MADT) is the average of daily traffic volume in a given month. Each monitored location (count site), MADT is reported for all vehicles and heavy vehicles¹.
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.

How is MADT change reported each month? We report MADT change for all vehicles and for heavy vehicles, at a national and regional level.
We first calculate the percentage change in MADT (all and heavy vehicles separately) of each site for the current month compared to the same month in the previous year.
We then calculate the median of those percentage changes across all sites and report it as the national MADT change for the current month.
To report each regional MADT change, we calculate the median of percent changes of the sample sites in each region.

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.

Site coverage There are 106 telemetry² 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	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

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

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

² Telemetry sites are continuously monitored 24/7.

**Results:
Monthly
traffic at key
sites**

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

The MADT values for December 2011, December 2012 and percentage change compared are reported in the table below.

Note the MADT values include all vehicles.

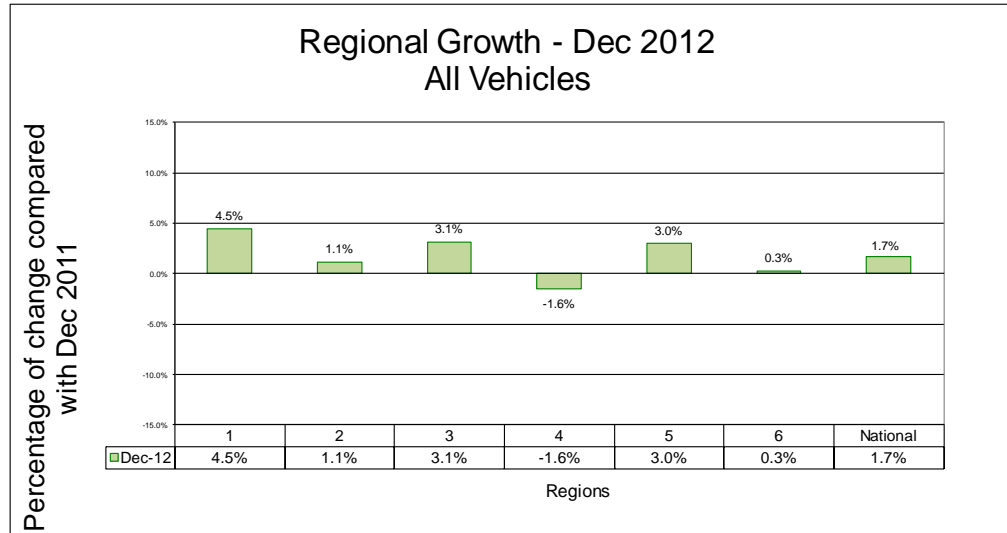
Site	City Represented	MADT (All Vehicles) December- 11	MADT (All Vehicles) December- 12	% Change
Auckland Harbour Bridge (SH1)	Auckland	149863	161044	7%
Greenwood (SH1)	Hamilton	21894	23055	5%
Ngauranga Interchange (SH 1 and SH2 combined)	Wellington	79449	82858	4%
Waimakariri Bridge	Christchurch	41641	44185	6%
Burnside	Dunedin	26188	26351	1%

Results: All Vehicles

Regions

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

The graph below shows the MADT change compared with the same month last year. The MADT values here represent all vehicle types. In December 2012, region1, region3 and region5 had an increase, region4 showed a decrease, while region6 remained unchanged. Nationally, the MADT for all vehicles increased by 1.7%, compared with December 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

More graphs

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

All sites

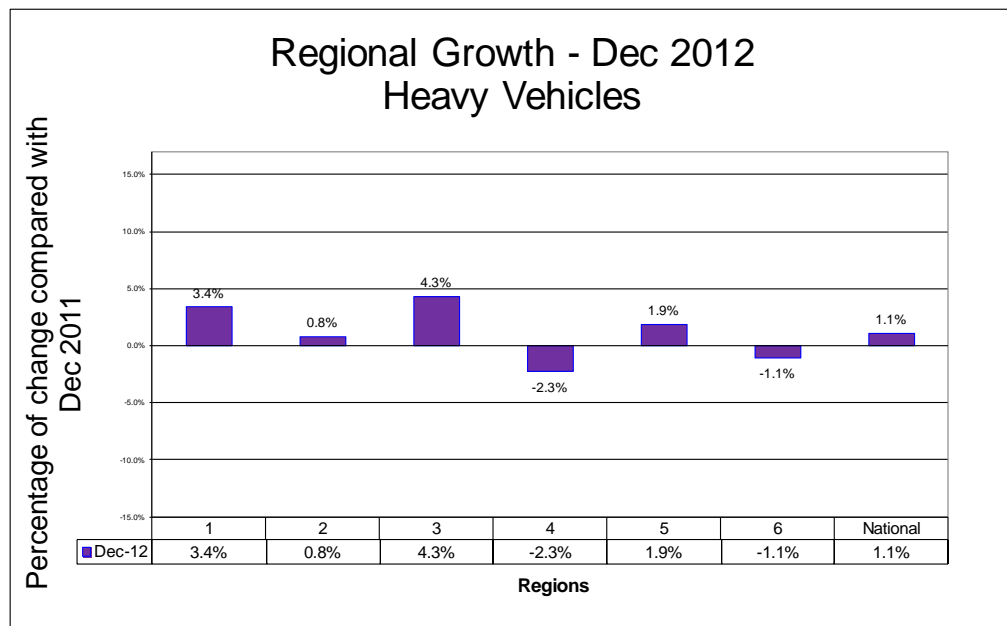
A table of MADT (all vehicles) values for all sites is attached to this report.

Results: Heavy Vehicles

Regions

Comparisons of heavy vehicle traffic across NZ Transport Agency regions as detailed below.

The graph shows the MADT change compared with the same month last year. The MADT values here represent heavy vehicles only. In December 2012, the most of the regions had an increase, except region4 and region6 showed a decrease. Nationally, the MADT for heavy vehicles increased by 1.1%, compared with December 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

More graphs

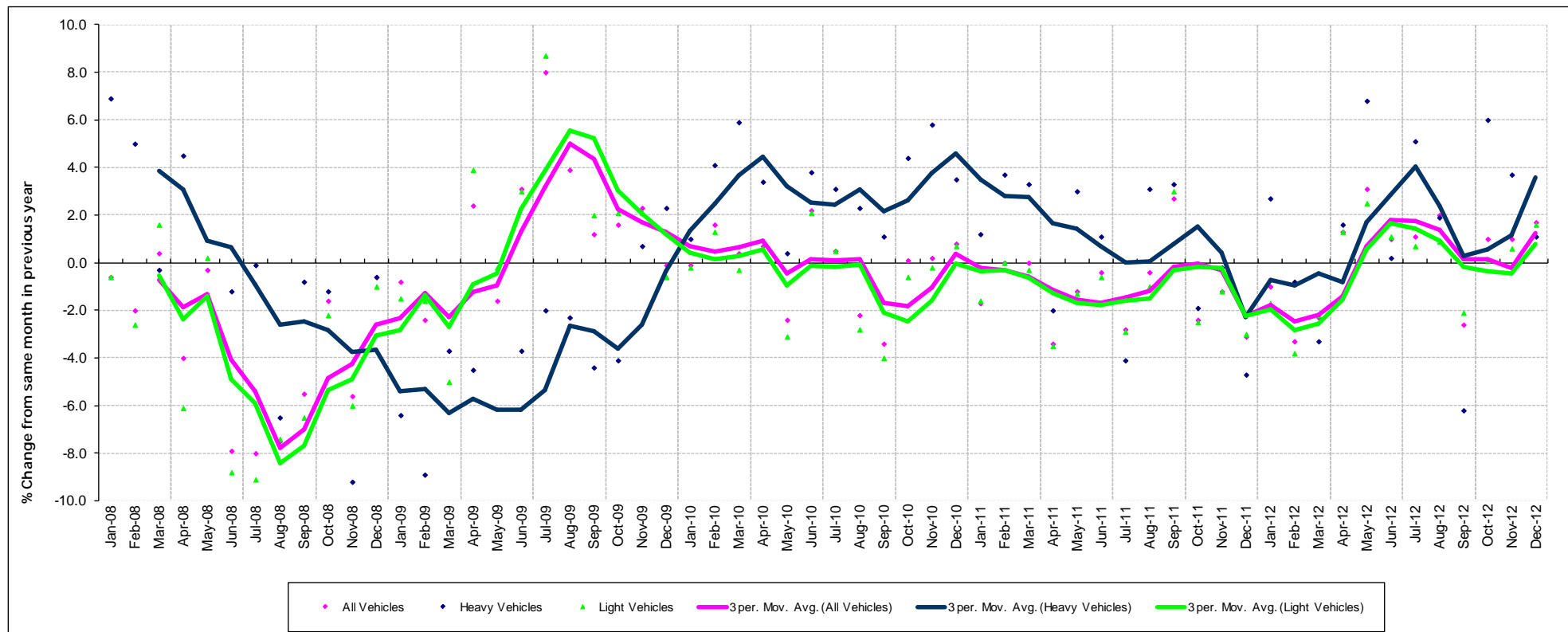
The graphs (as above) dated back to January 2008 are attached to this report.

All sites

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

Summary of MADT Change from Same Month in Previous Year

The graph and table below shows 5 years national MADT 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	-2.6	-2.1	-6.2
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	1.0	0.1	6.0
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	1.0	0.6	3.7
December	-0.6	-1.0	-0.6	-0.1	-0.6	2.3	0.8	0.7	3.5	-3.1	-3	-4.7	1.7	1.6	1.1

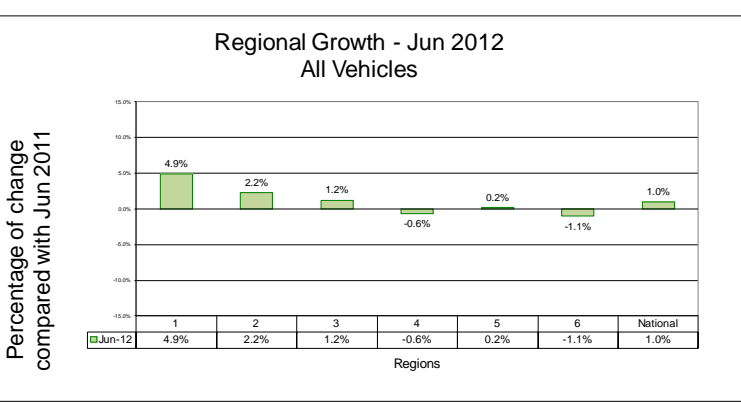
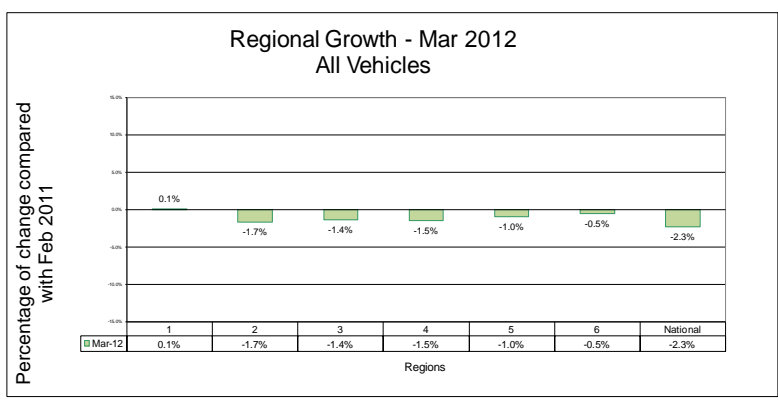
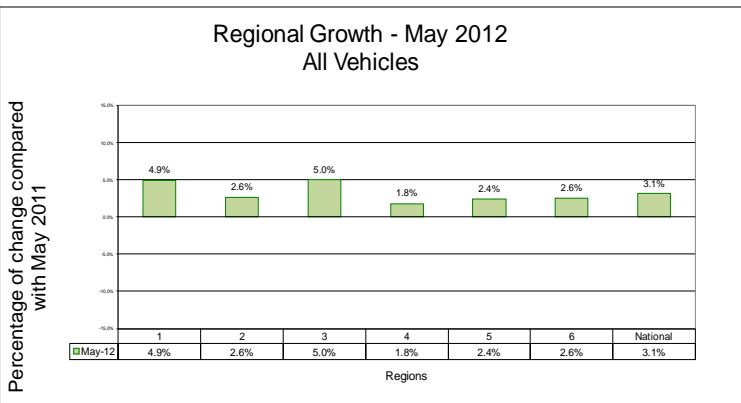
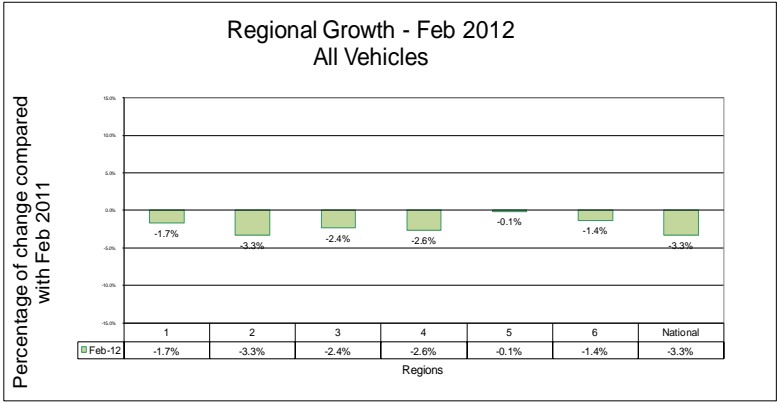
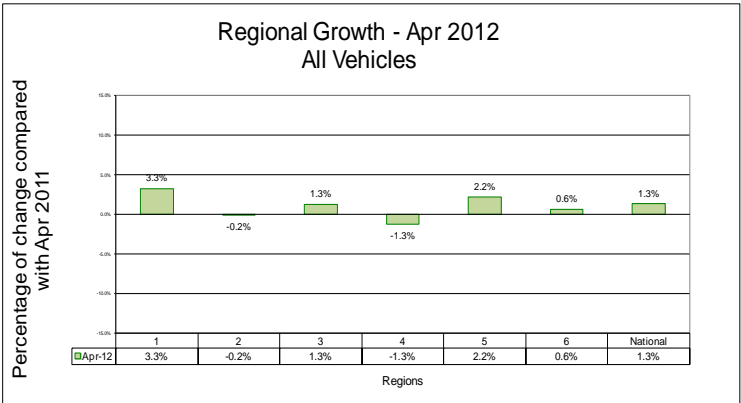
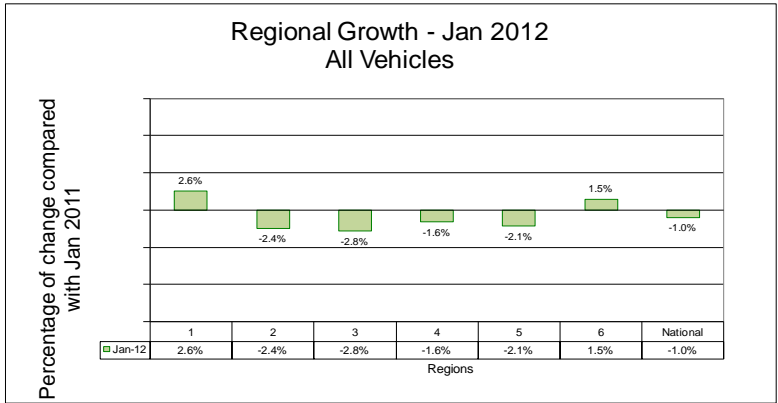
Appendices

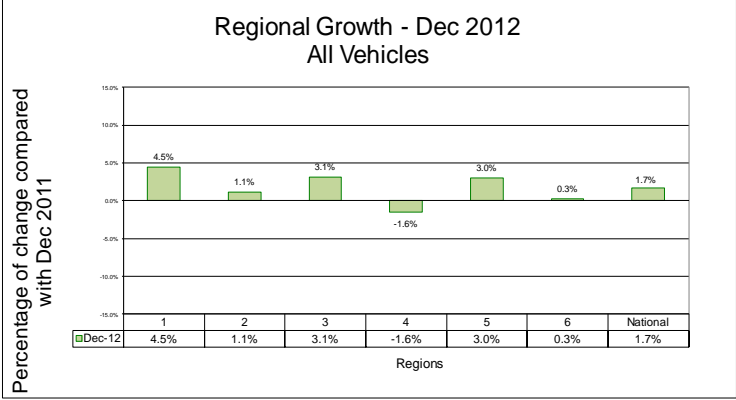
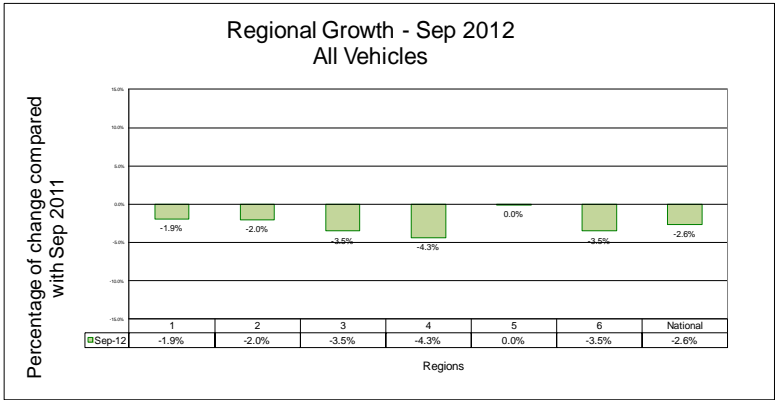
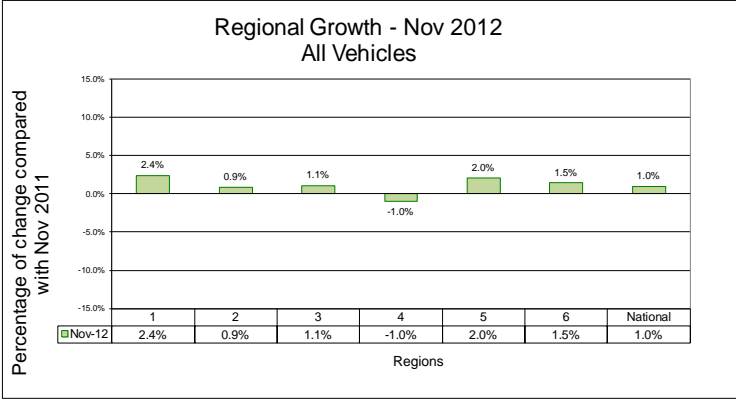
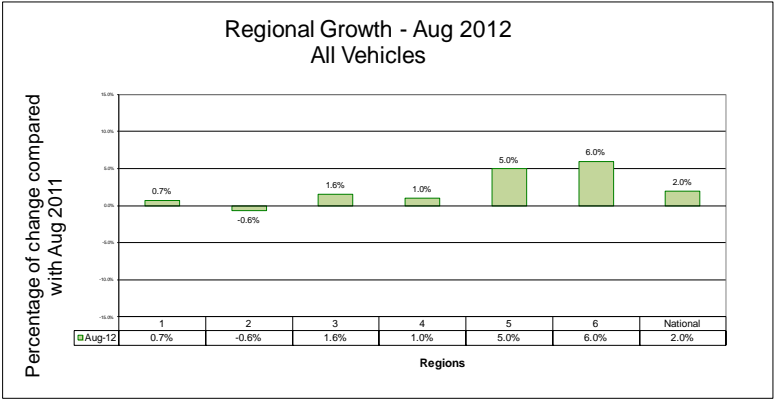
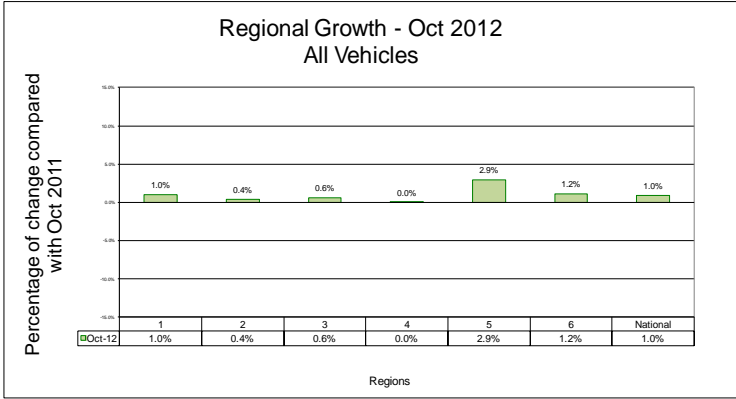
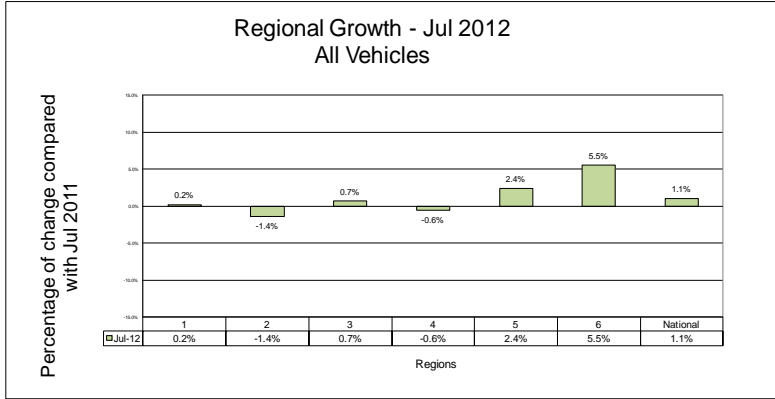
Current and Previous Years Growth Graphs: 2012, 2011, 2010, 2009 and 2008

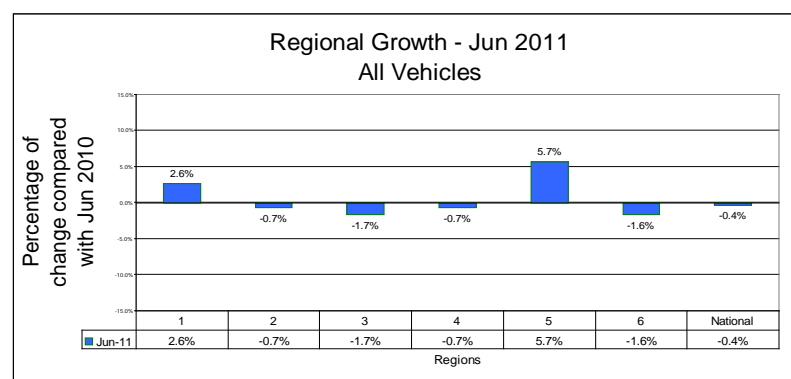
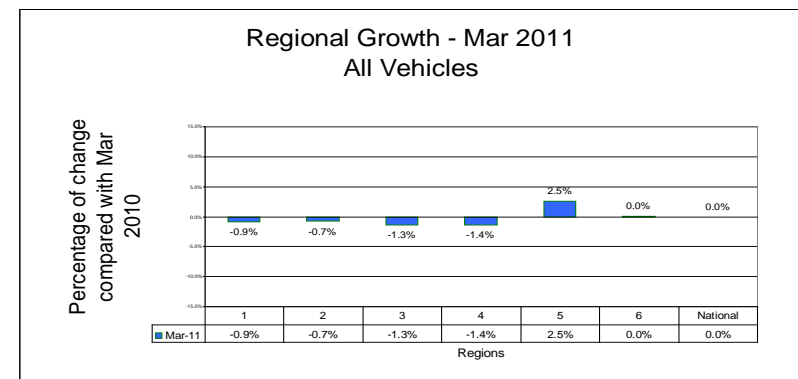
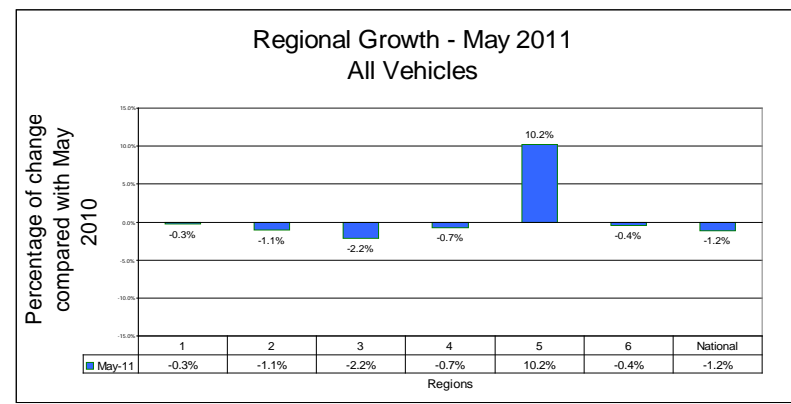
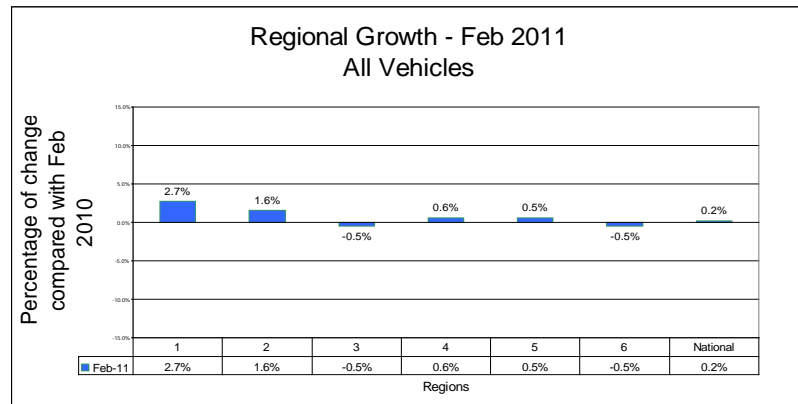
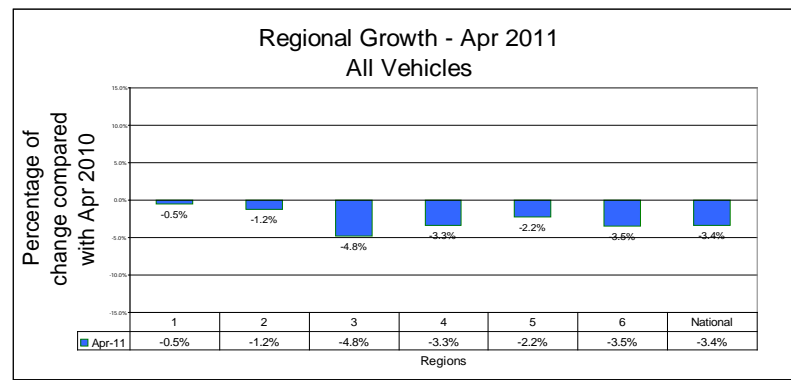
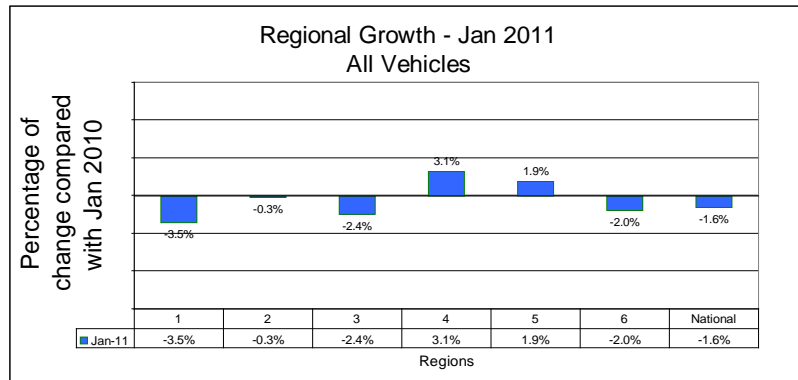
- All Vehicles
- Heavy Vehicles

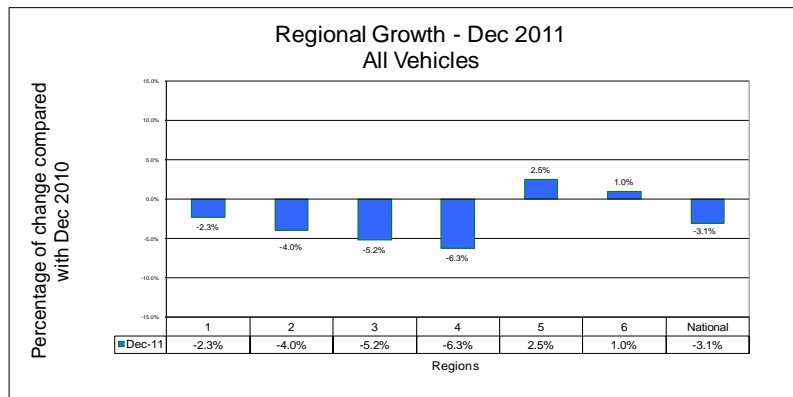
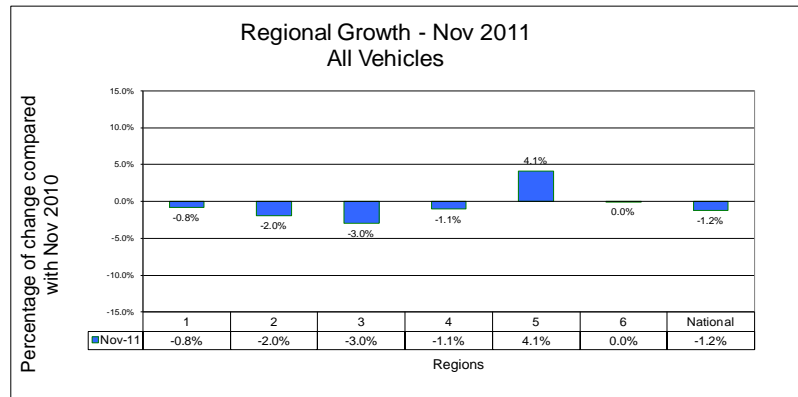
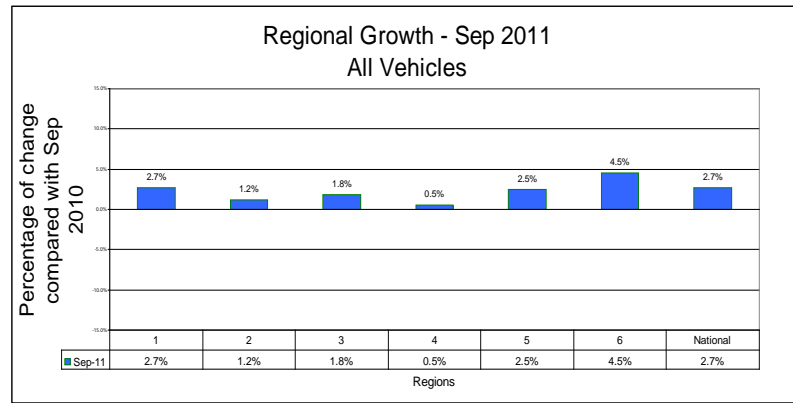
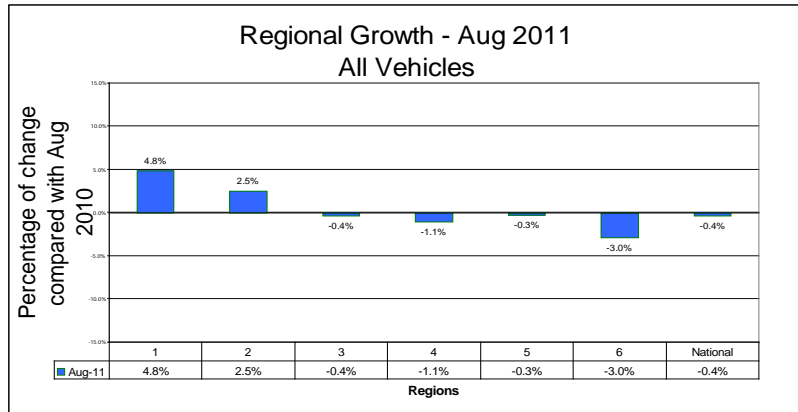
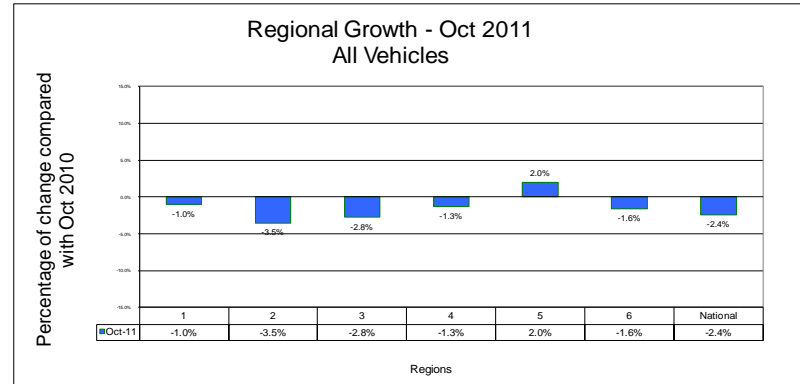
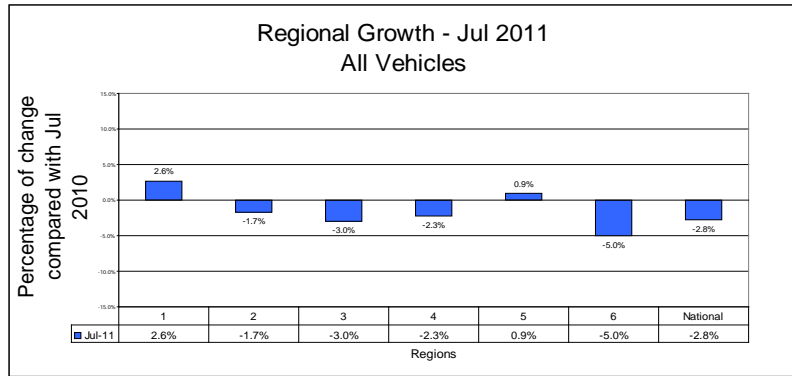
MADTs of the sample sites for the past thirteen months

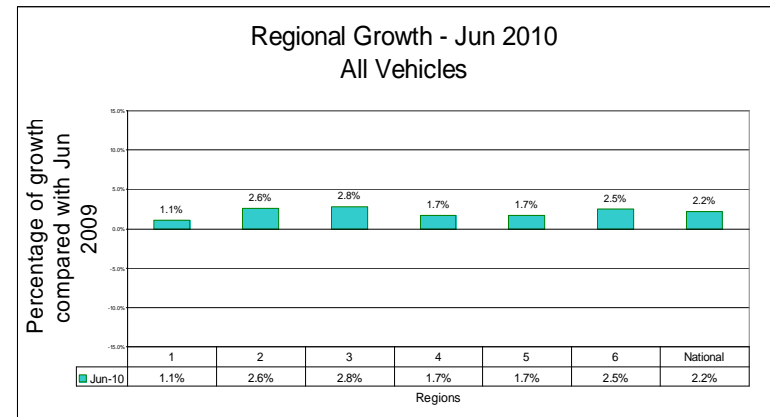
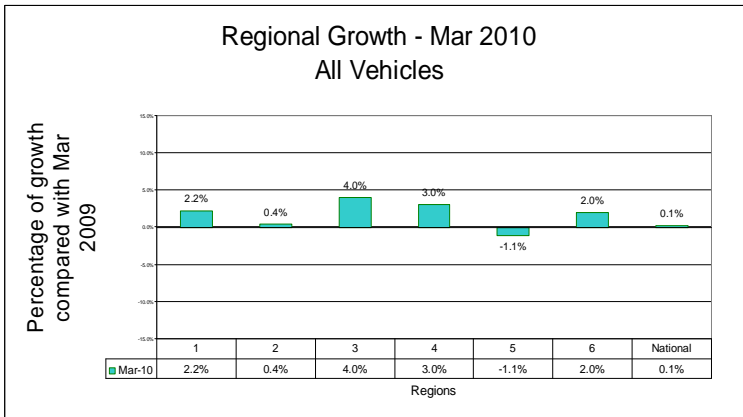
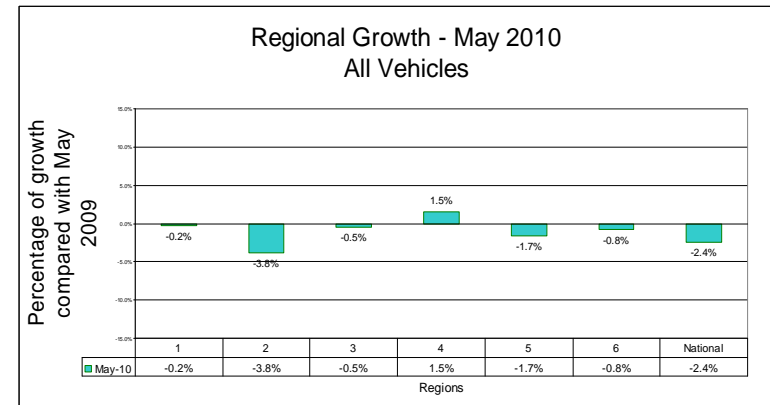
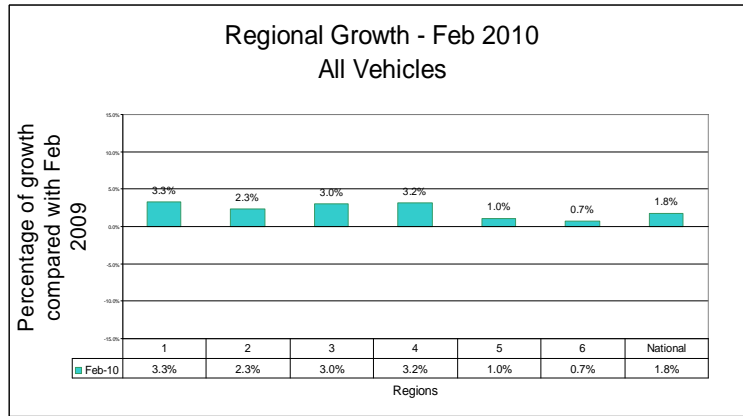
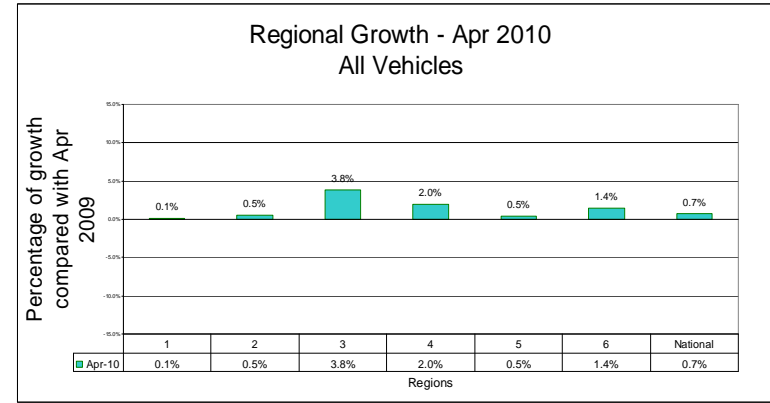
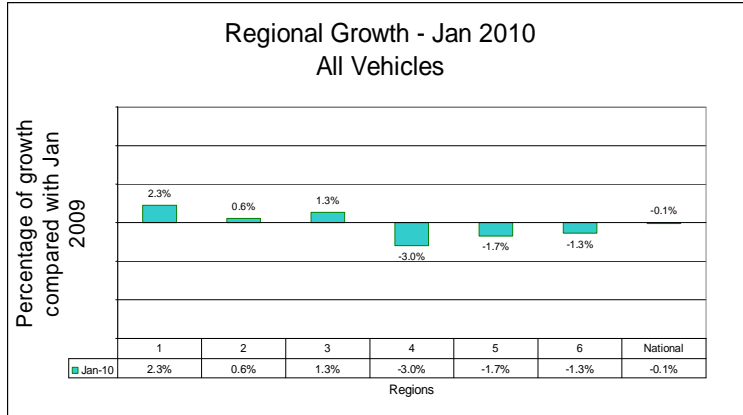
- All Vehicles
- Heavy Vehicles

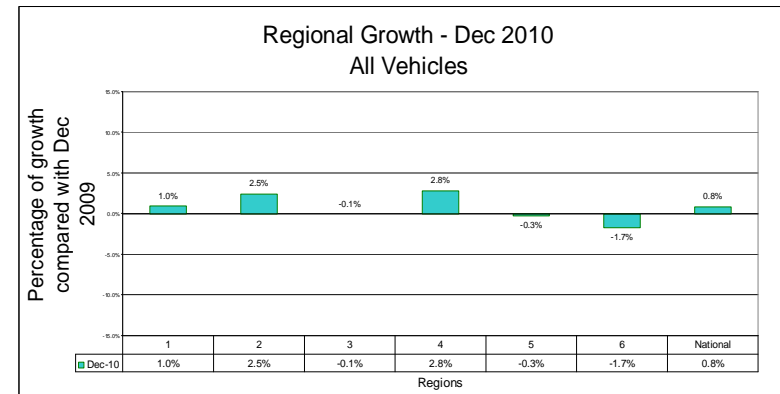
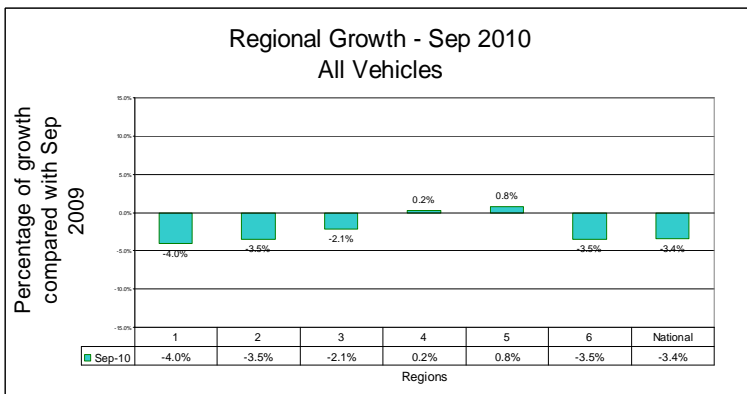
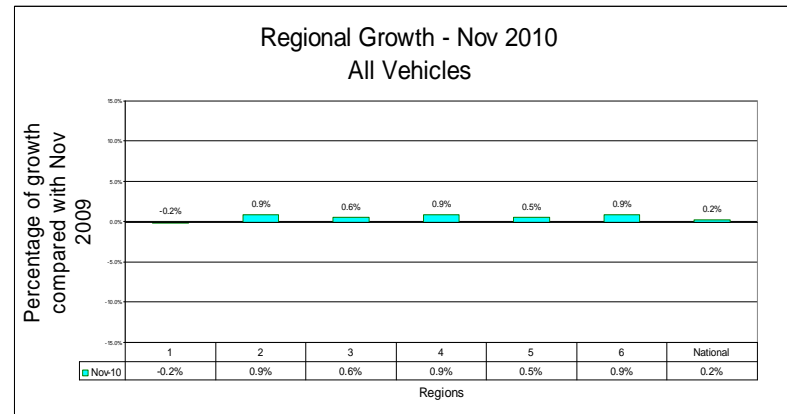
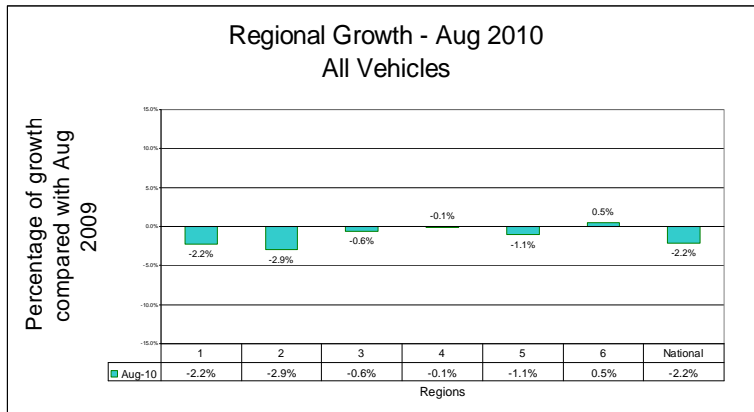
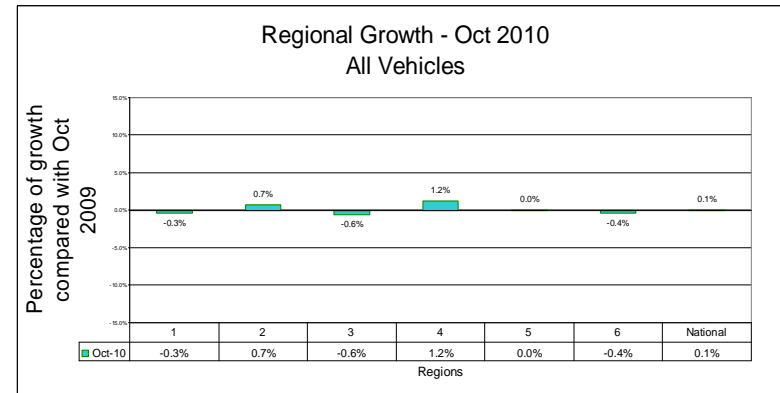
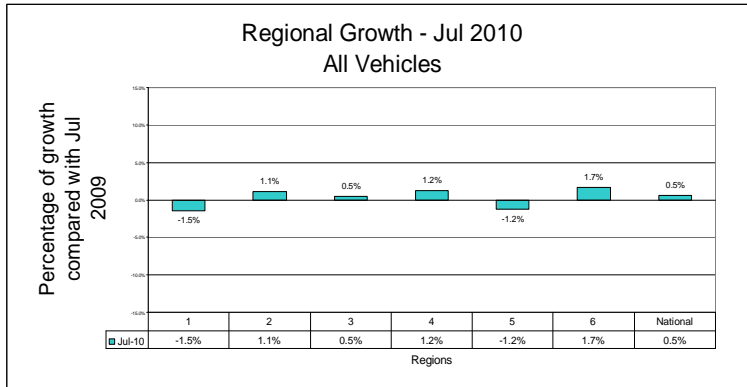




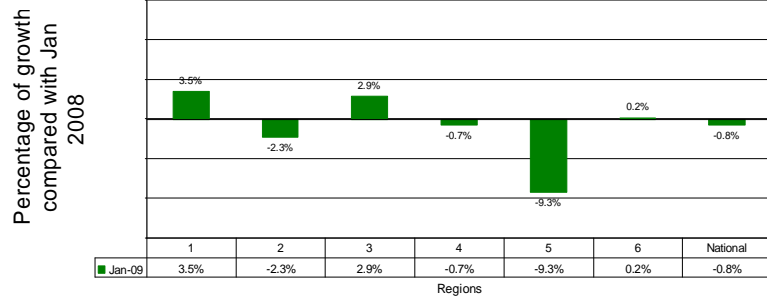




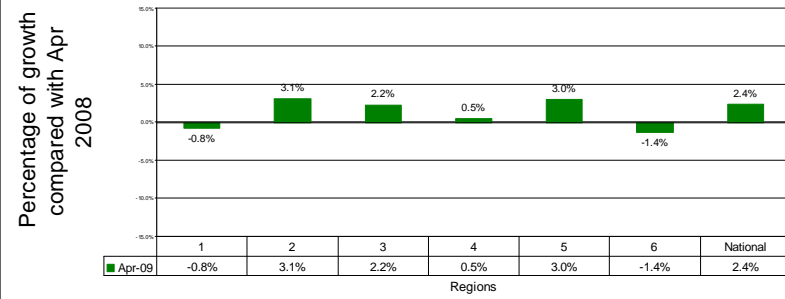




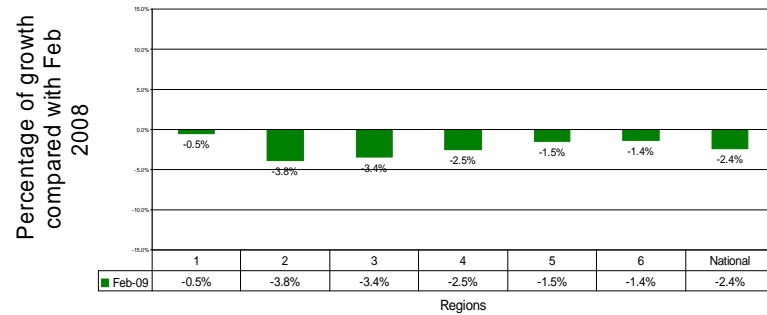
Regional Growth - Jan 2009
All Vehicles



Regional Growth - Apr 2009
All Vehicles



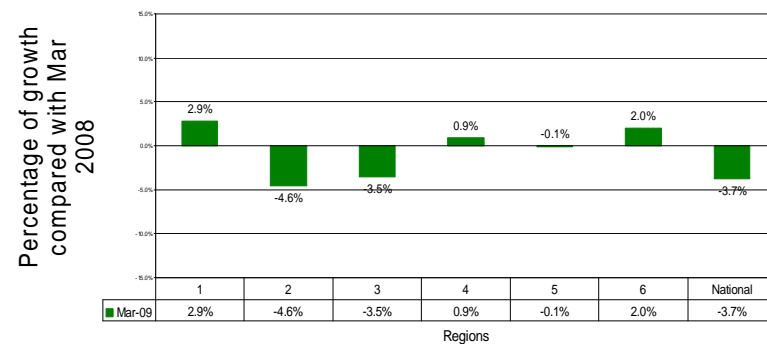
Regional Growth - Feb 2009
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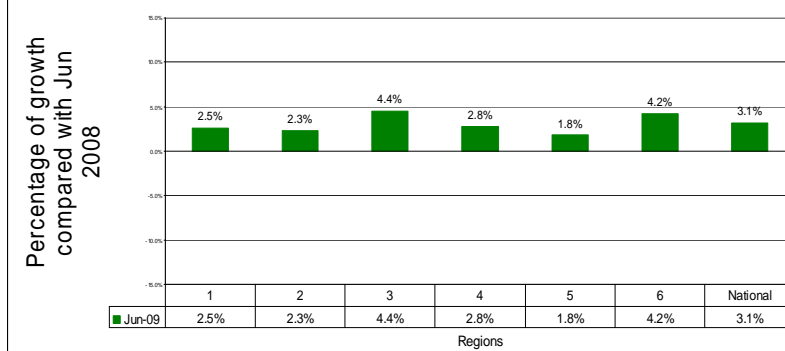
Regional Growth - May 2009
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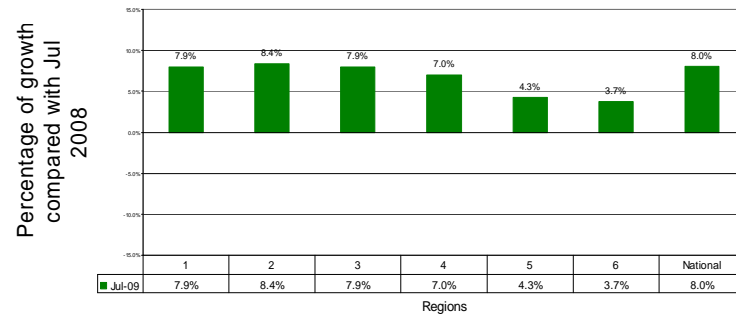
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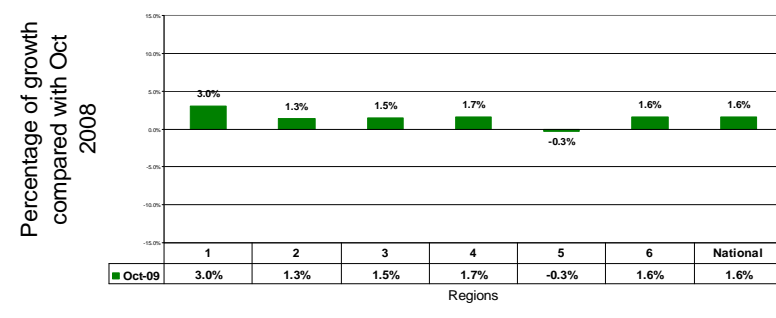
Regional Growth - Jun 2009
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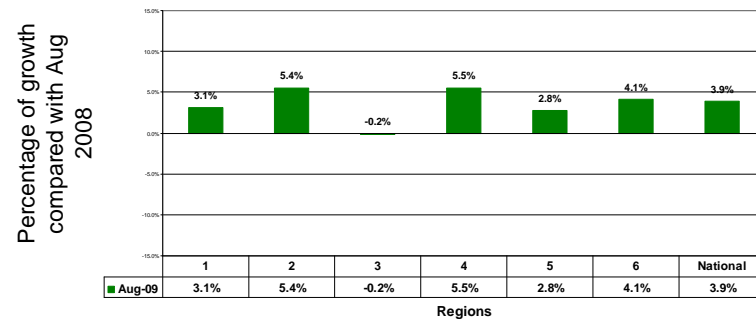
Regional Growth - Jul 2009
All Vehicles



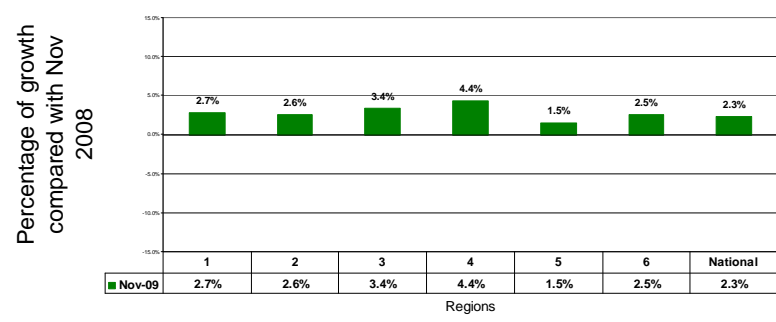
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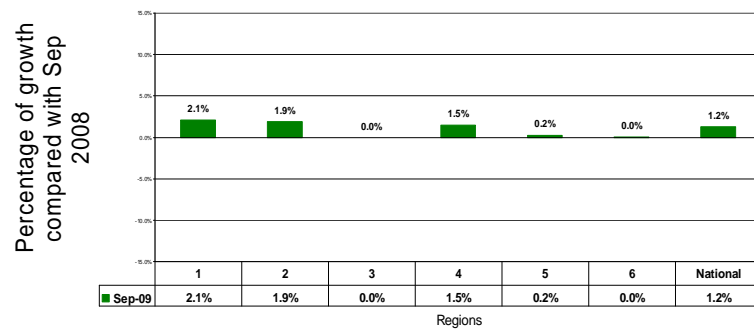
Regional Growth - Aug 2009
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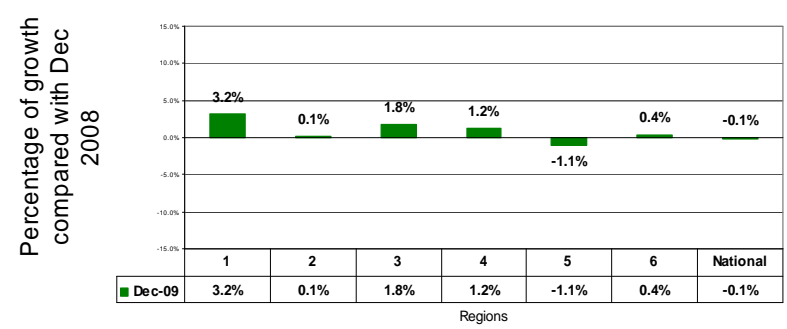
Regional Growth - Nov 2009
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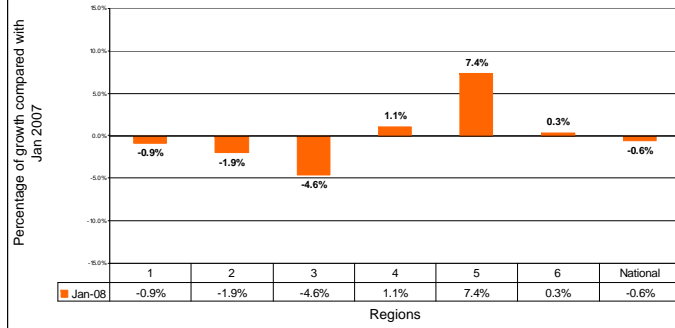
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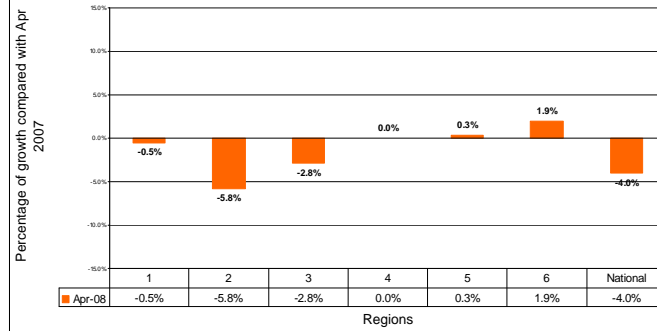
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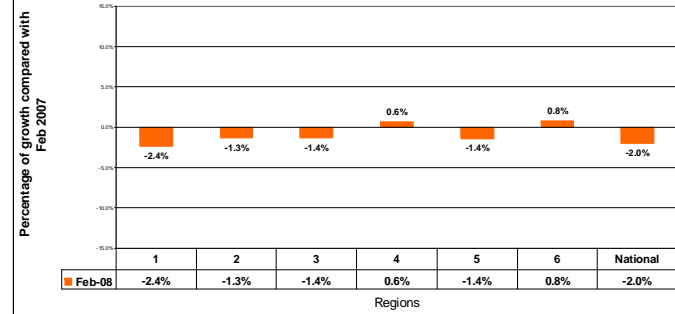
Regional Growth - Jan 2008
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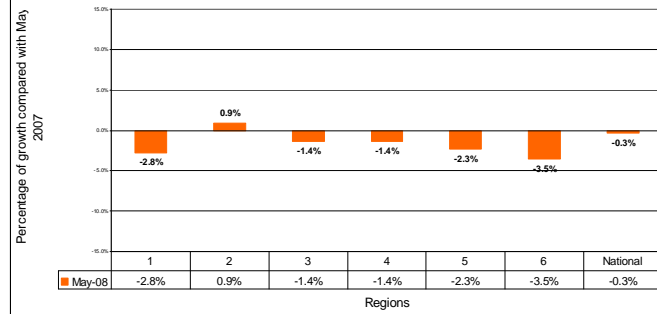
Regional Growth - Apr 2008
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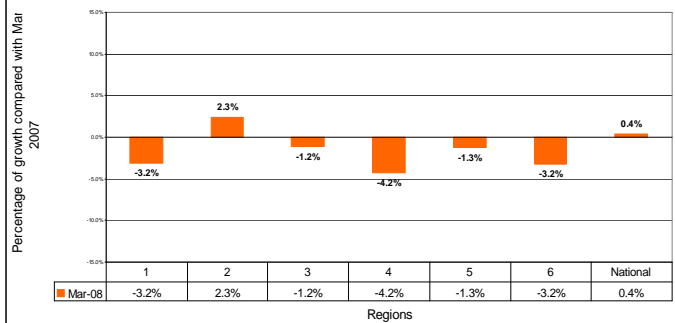
Regional Growth - Feb 2008
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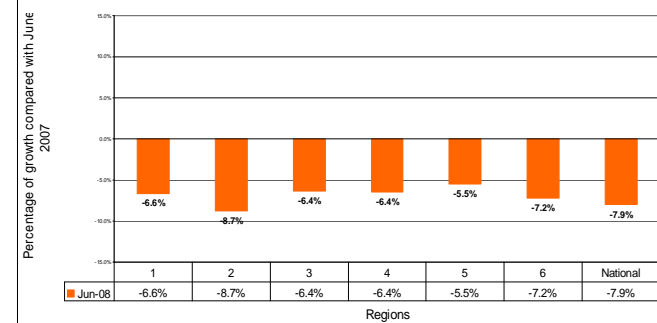
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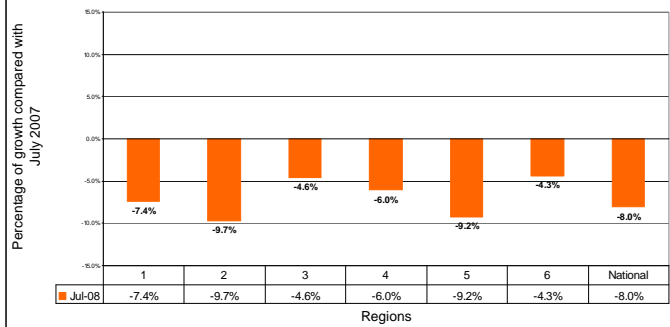
Regional Growth - Mar 2008
All Vehicles



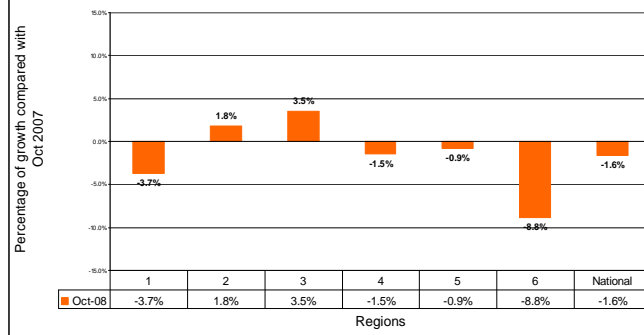
Regional Growth - June 2008
All Vehicles



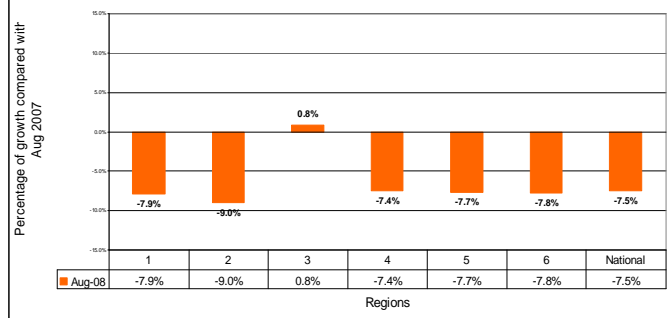
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All Vehicles



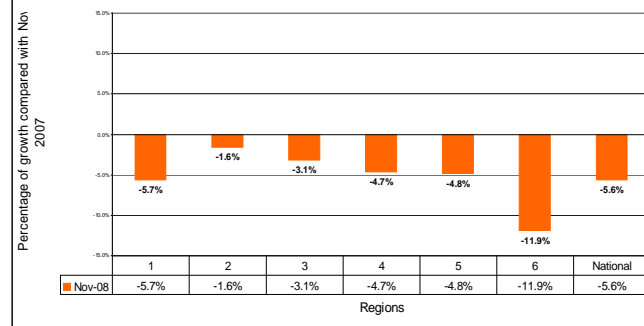
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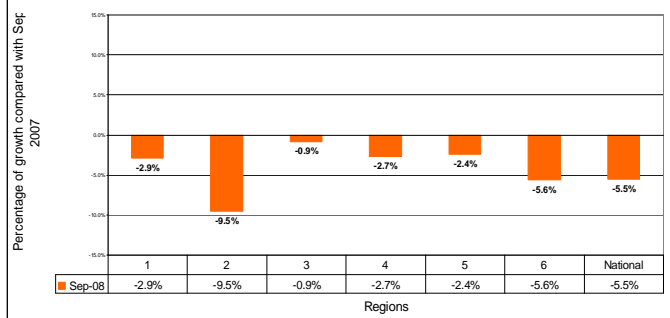
Regional Growth - Aug 2008
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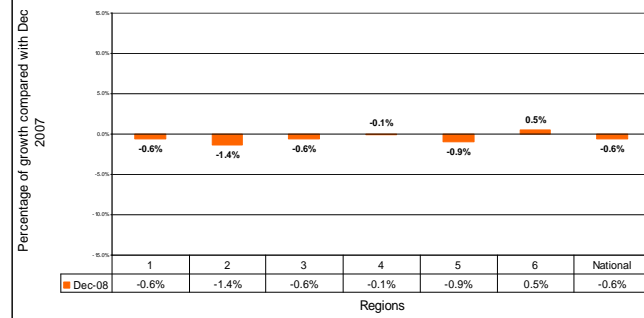
Regional Growth - Nov 2008
All Vehicles

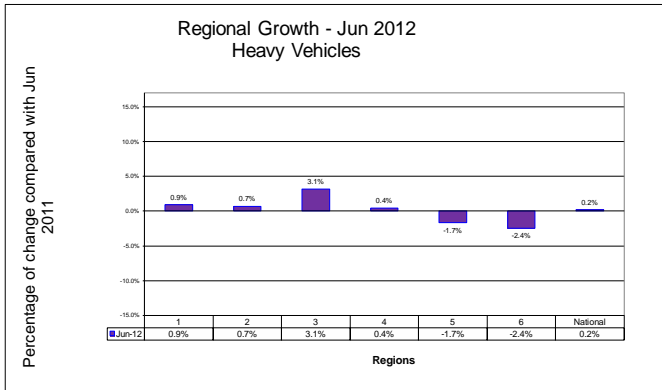
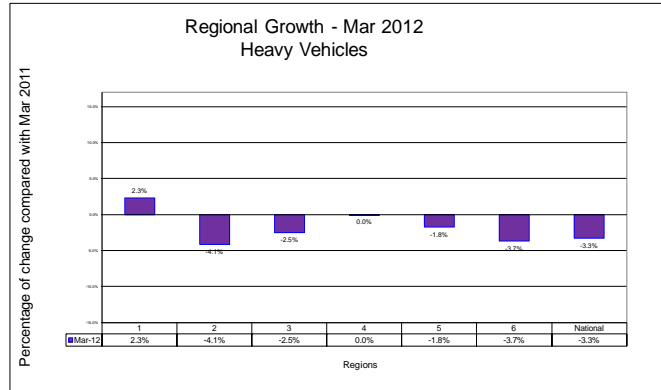
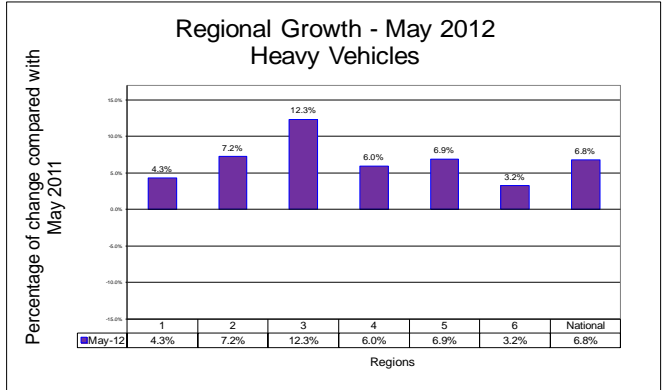
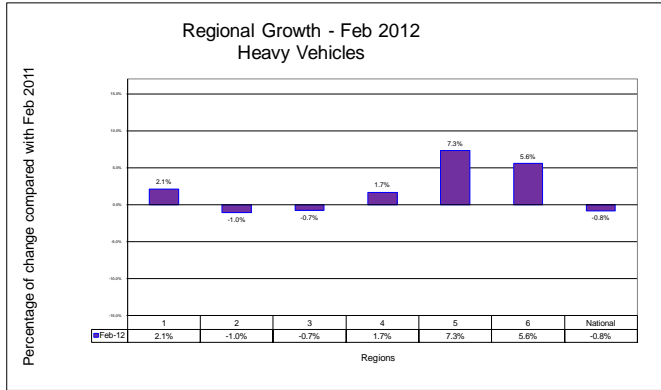
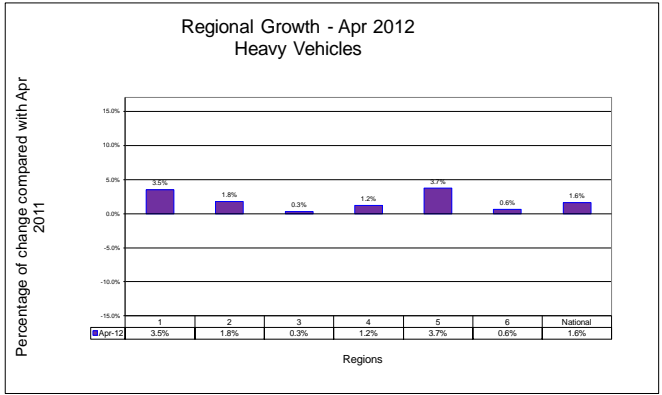
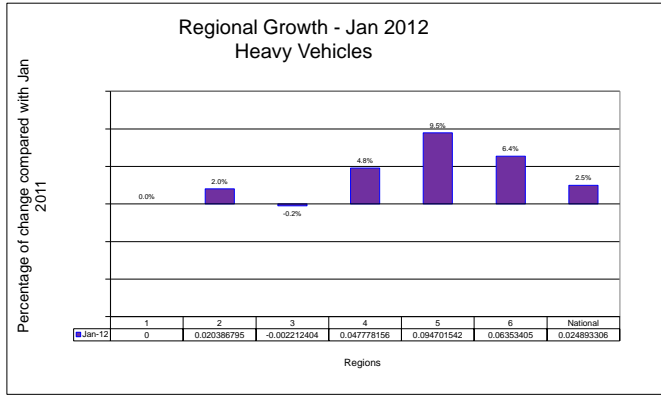


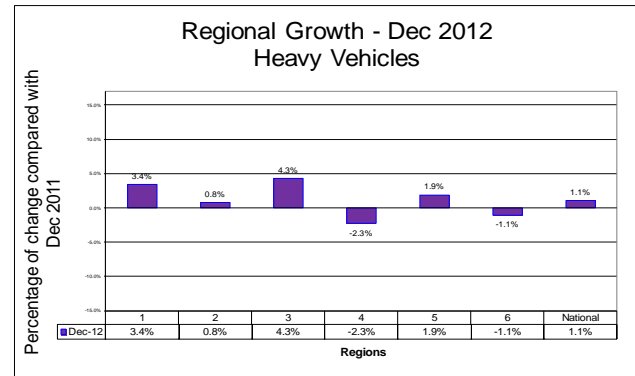
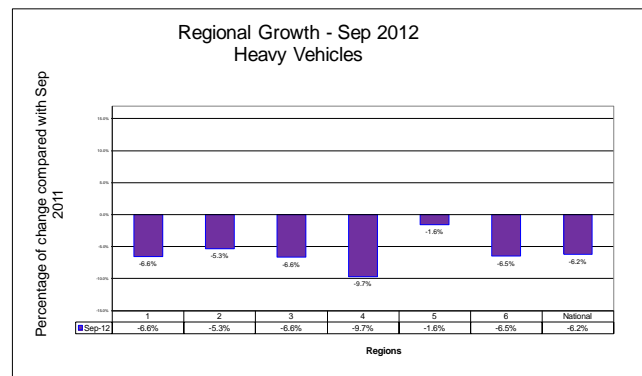
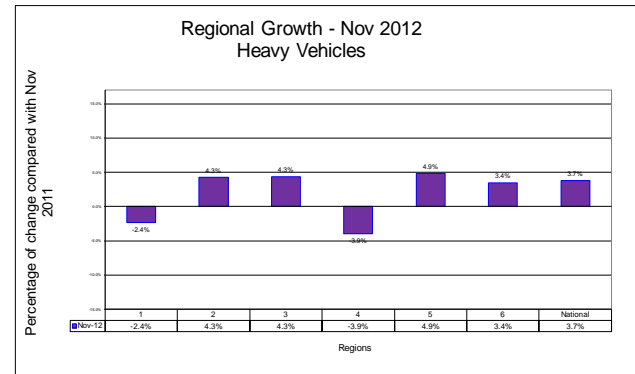
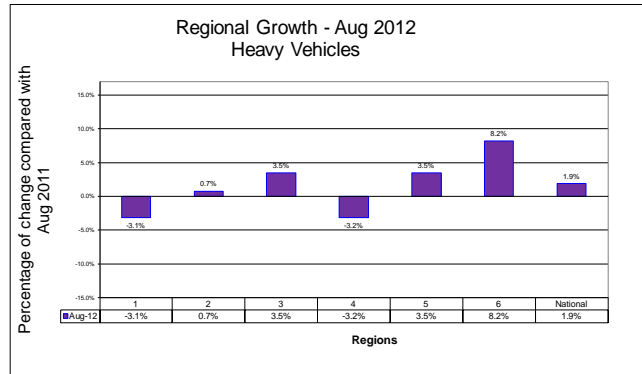
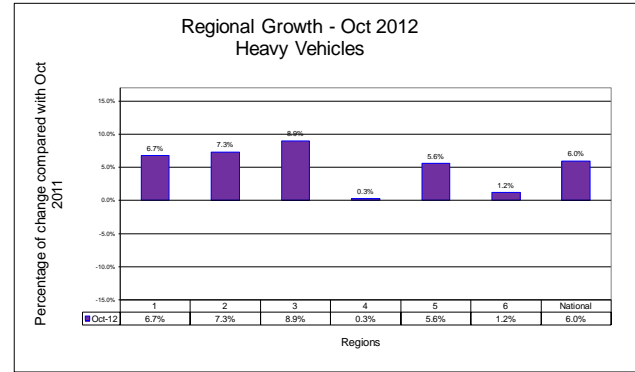
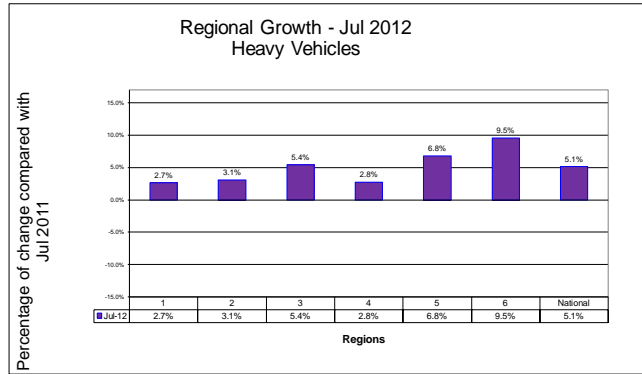
Regional Growth - Sep 2008
All Vehicles

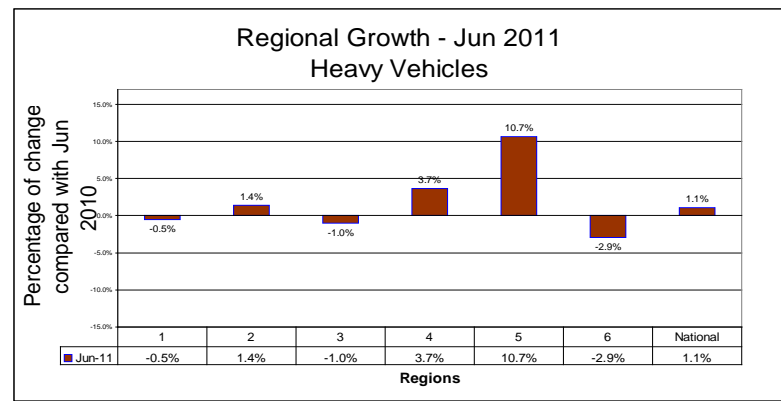
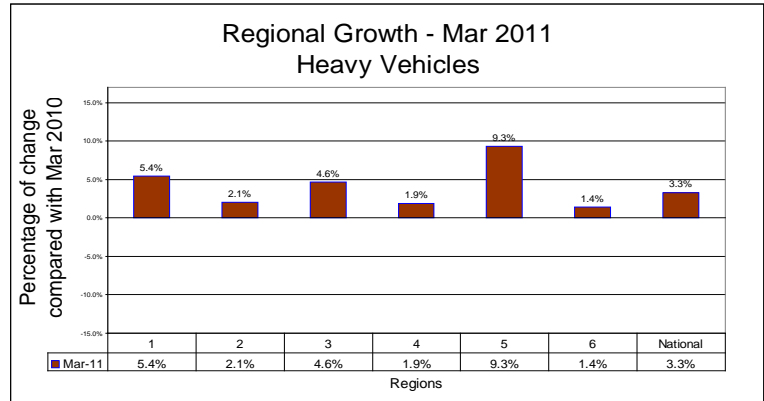
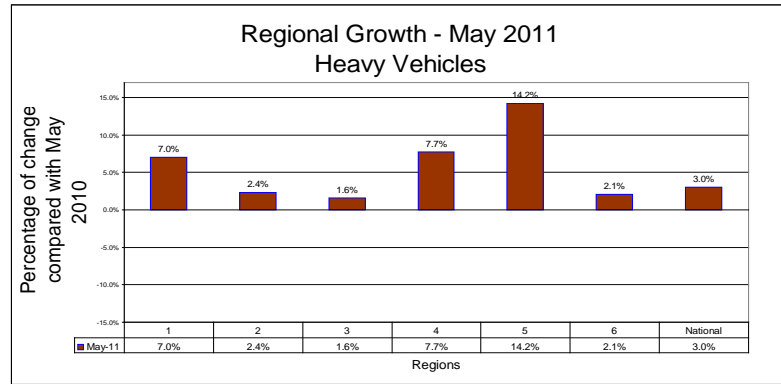
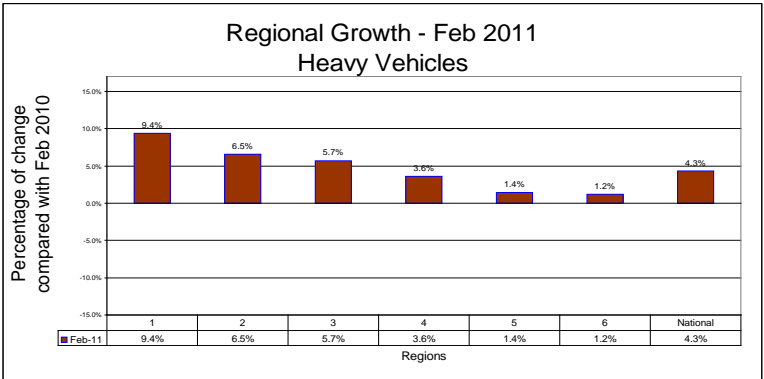
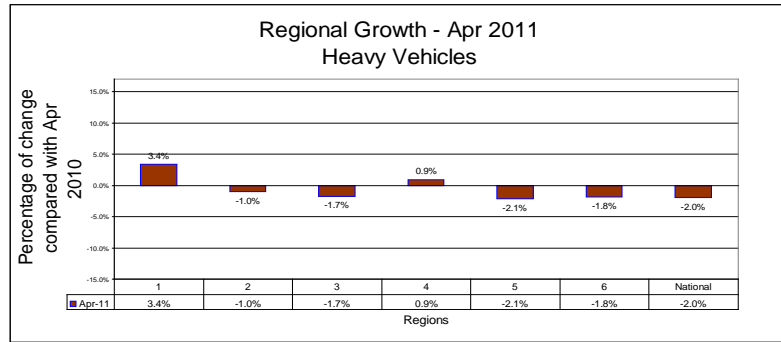
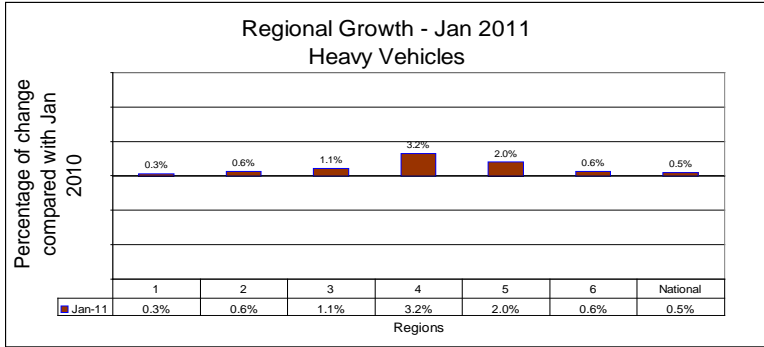


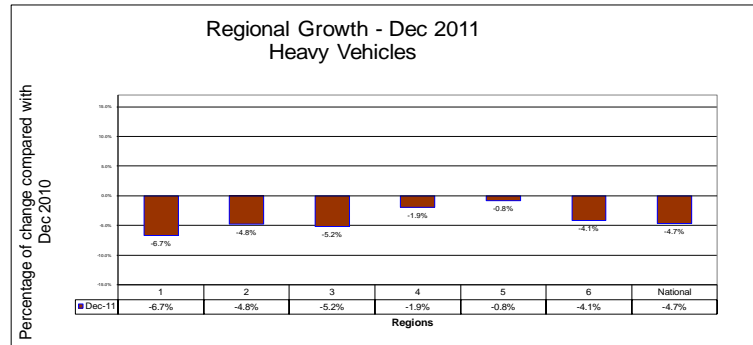
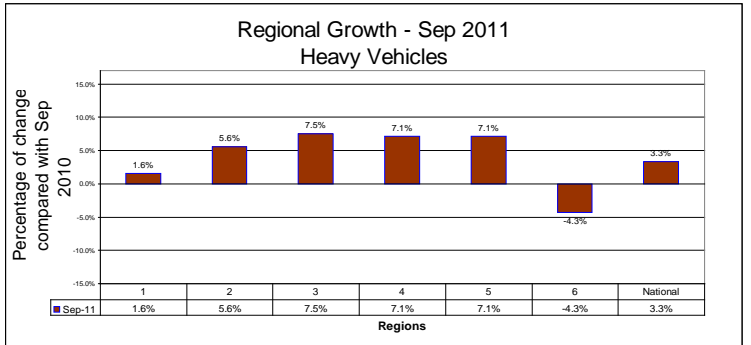
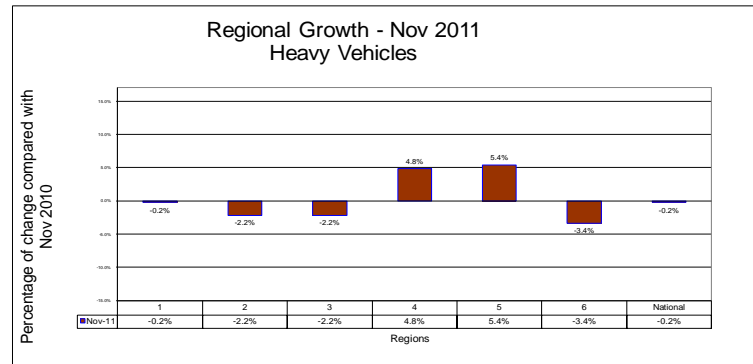
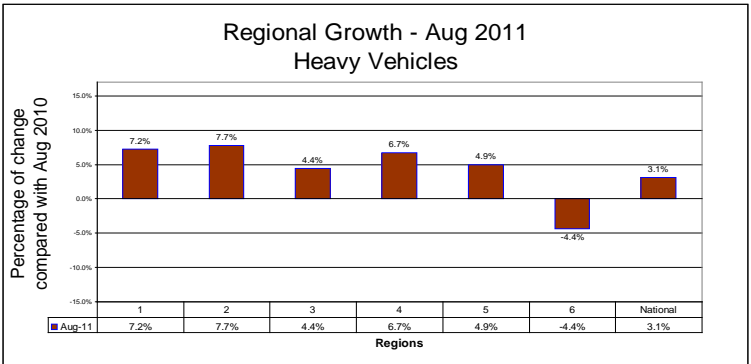
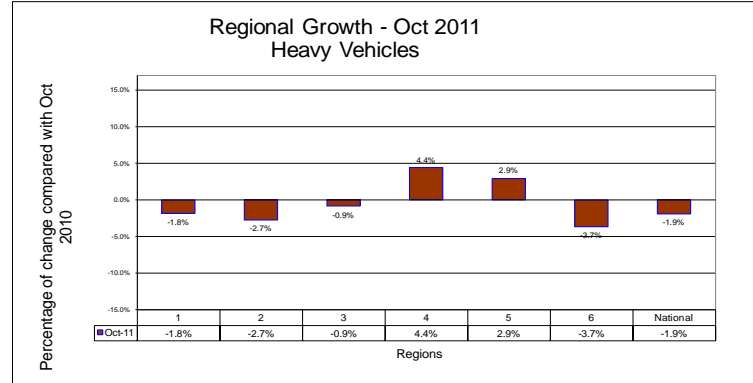
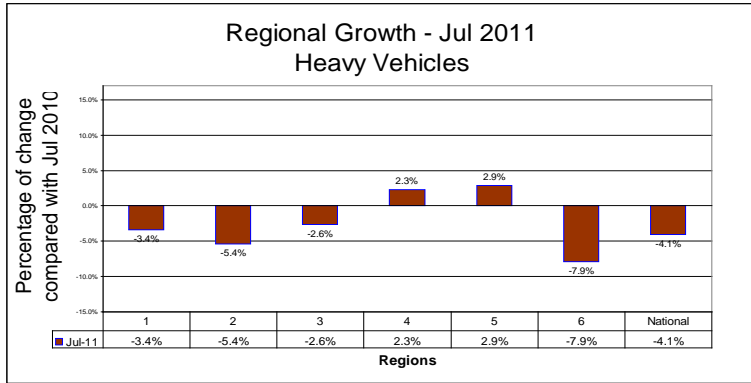
Regional Growth - Dec 2008
All Vehicles



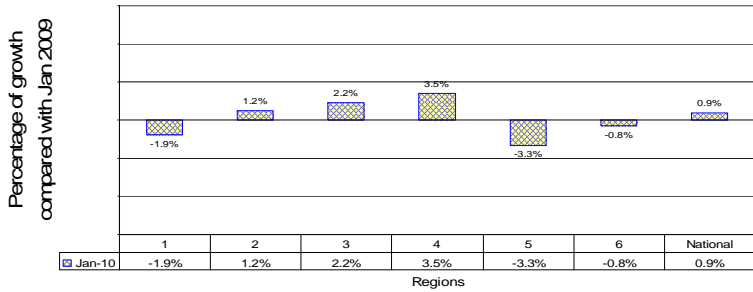




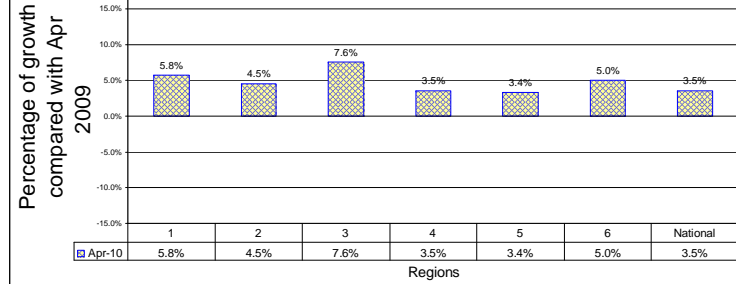




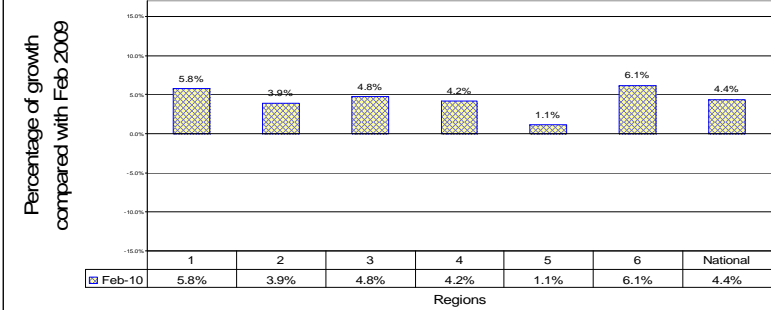
Regional Growth - Jan 2010
Heavy Vehicles



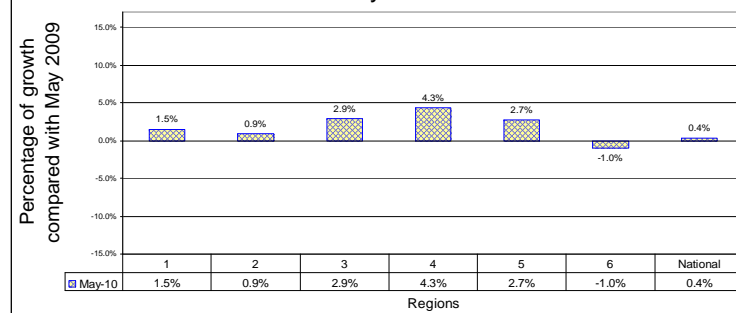
Regional Growth - Apr 2010
Heavy Vehicles



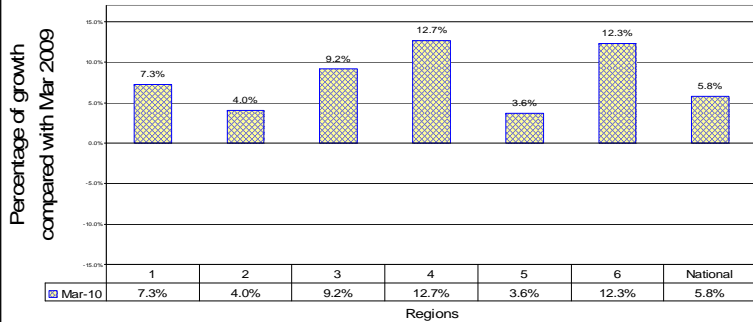
Regional Growth - Feb 2010
Heavy Vehicles



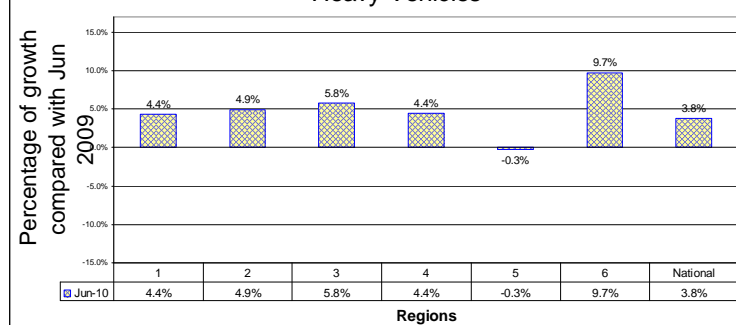
Regional Growth - May 2010
Heavy Vehicles

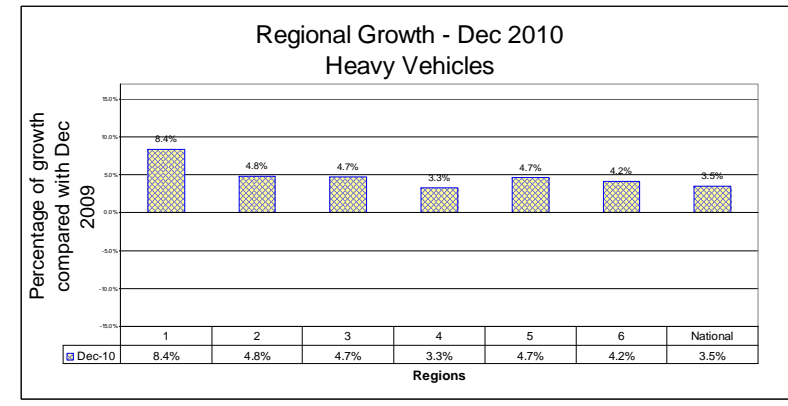
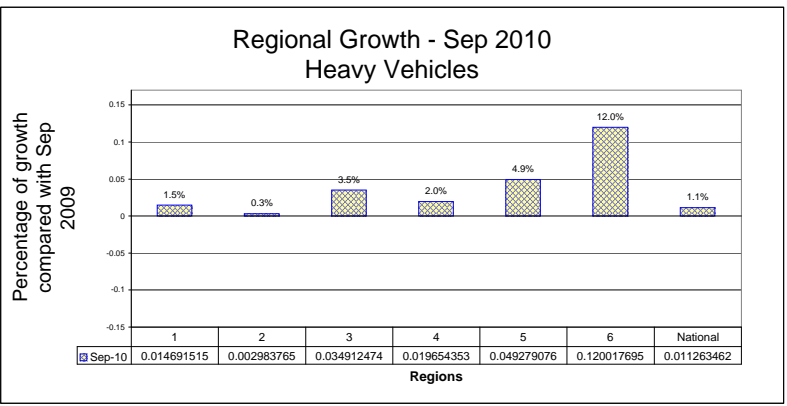
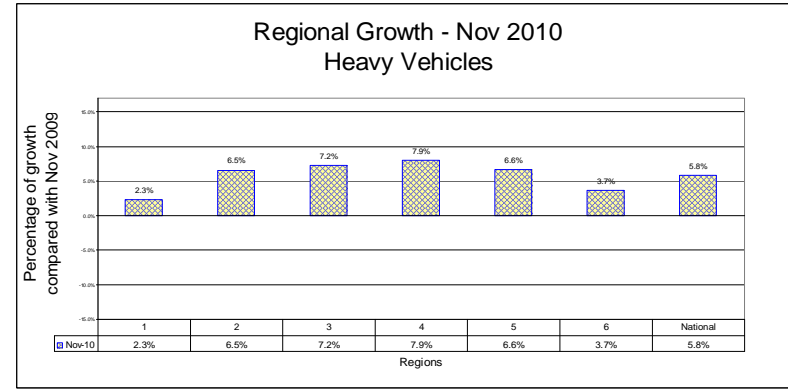
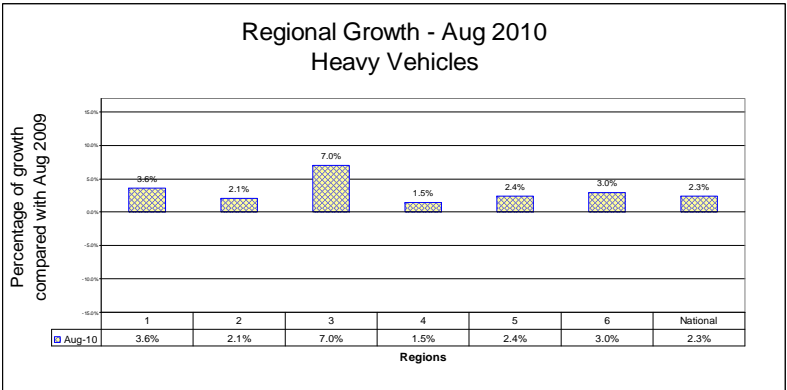
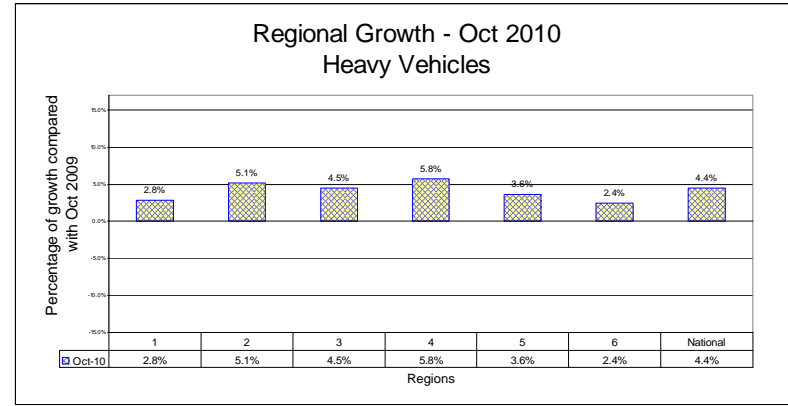
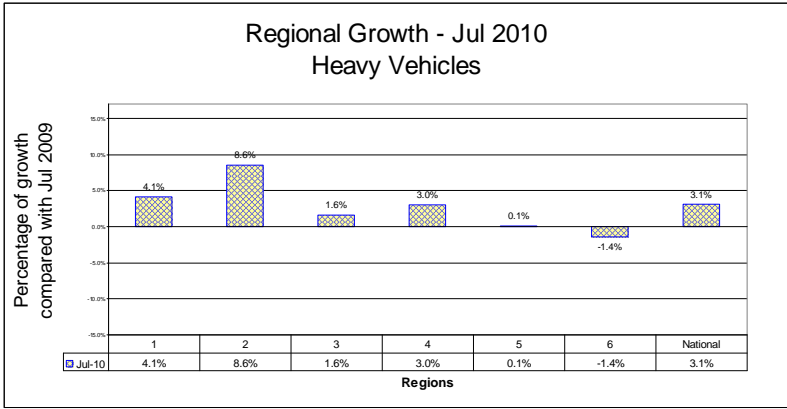


Regional Growth - Mar 2010
Heavy Vehicles

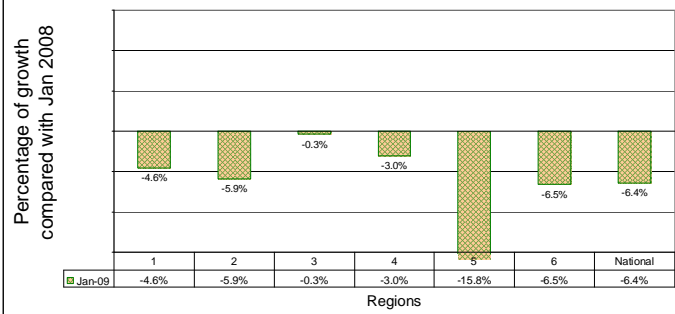


Regional Growth - Jun 2010
Heavy Vehicles

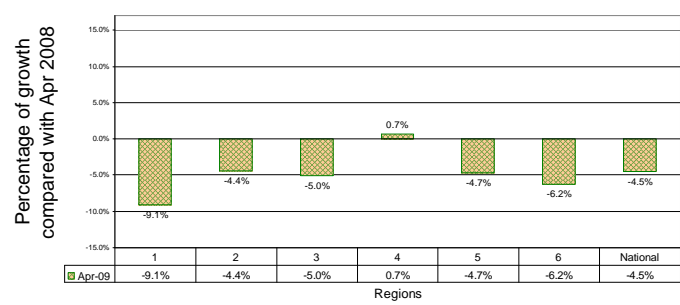




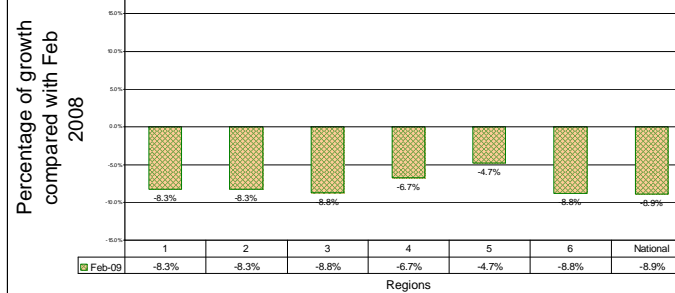
Regional Growth - Jan 2009
Heavy Vehicles



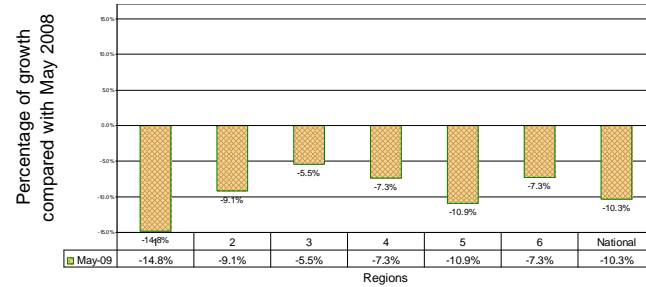
Regional Growth - Apr 2009
Heavy Vehicles



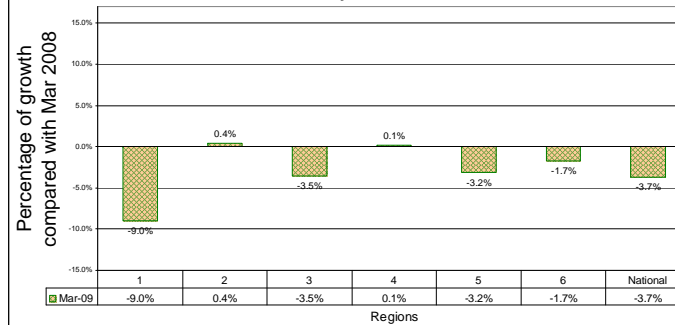
Regional Growth - Feb 2009
Heavy Vehicles



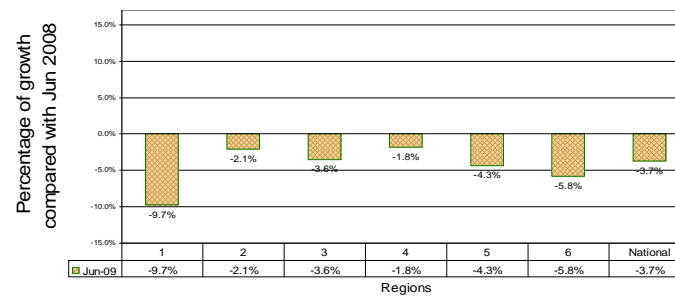
Regional Growth - May 2009
Heavy Vehicles

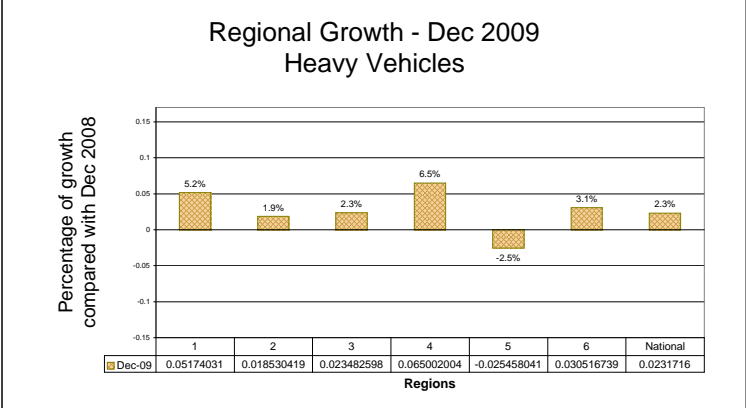
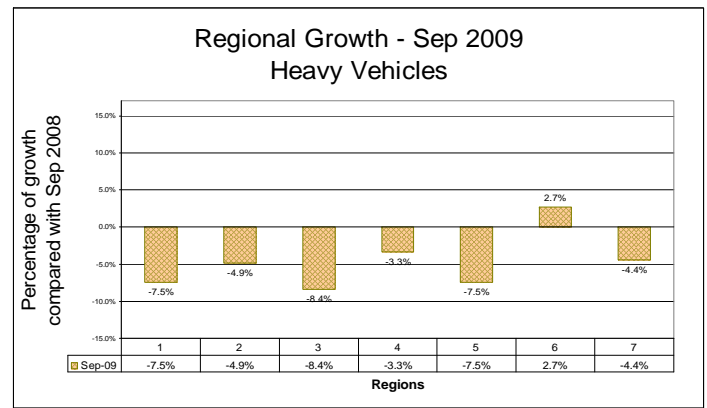
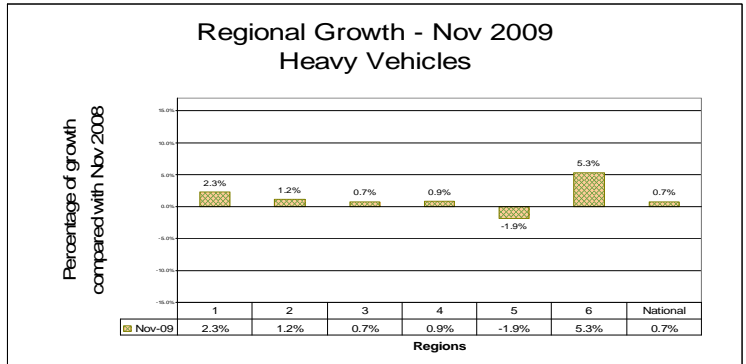
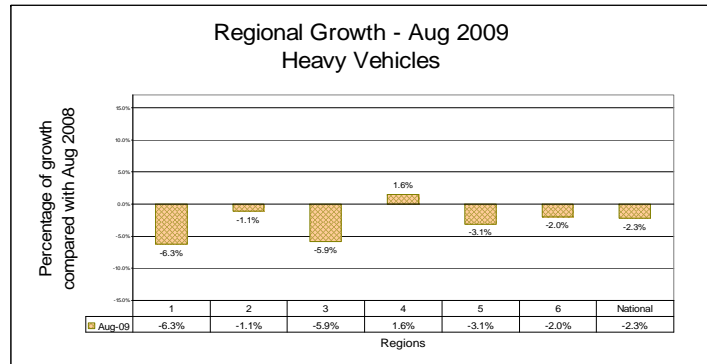
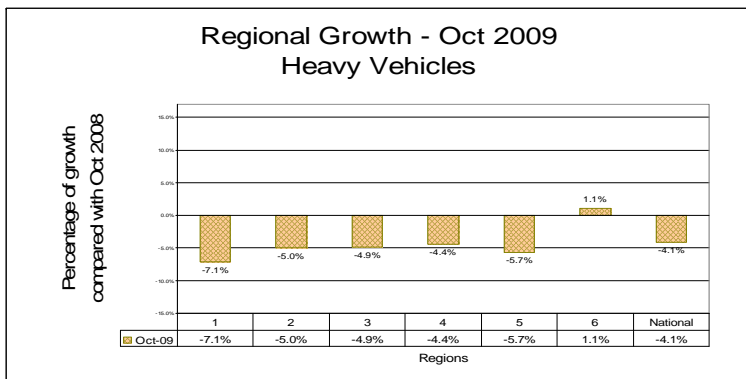
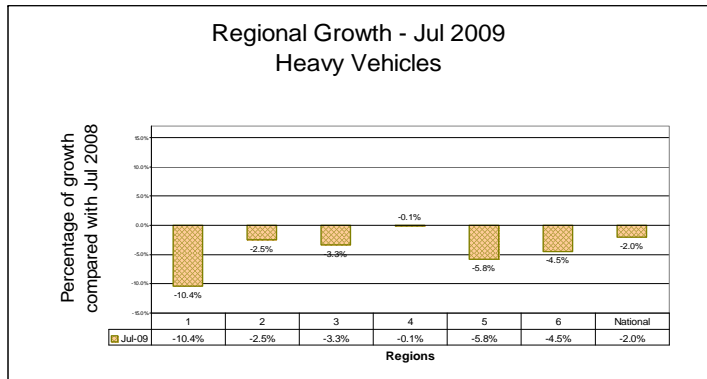


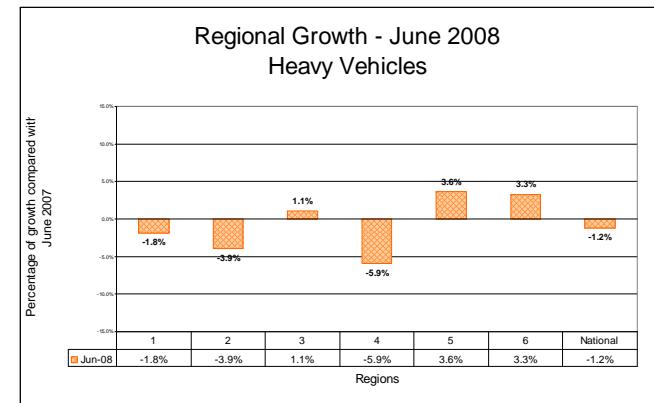
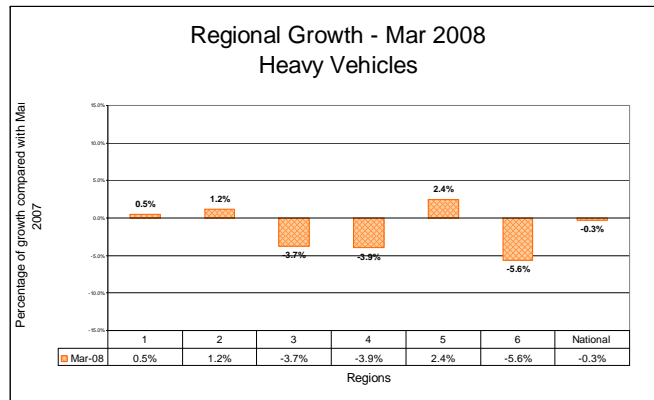
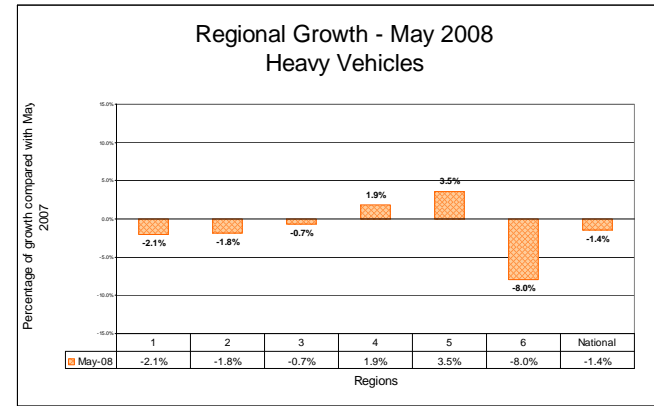
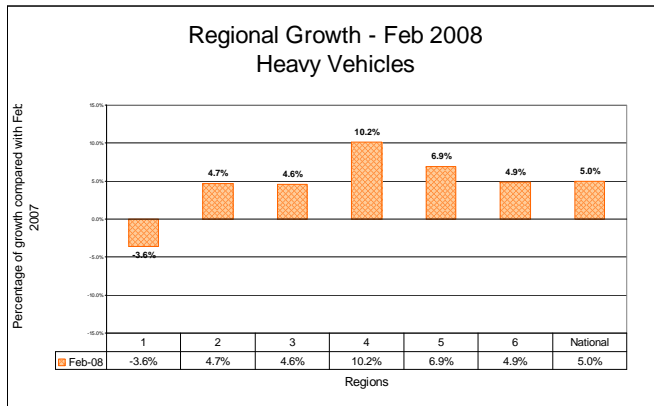
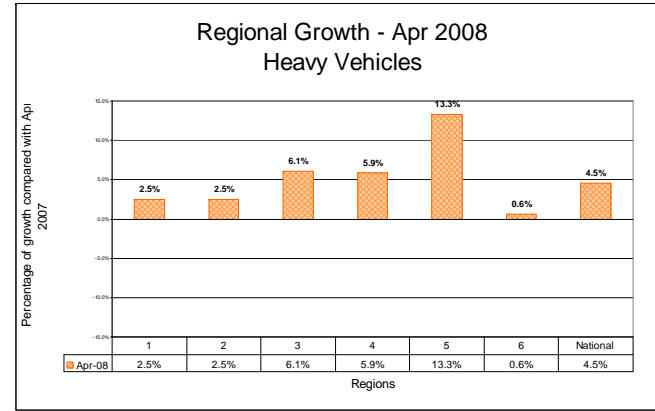
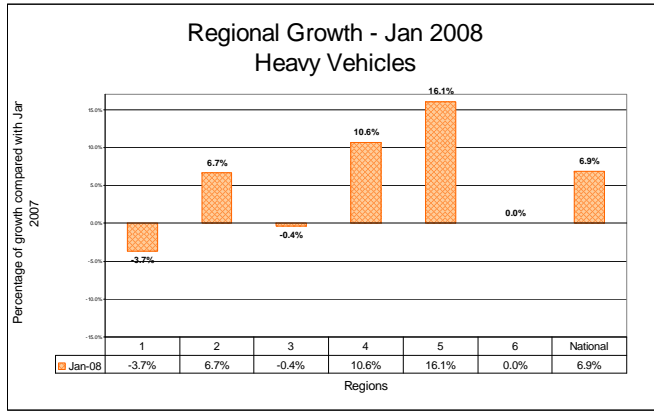
Regional Growth - Mar 2009
Heavy Vehicles



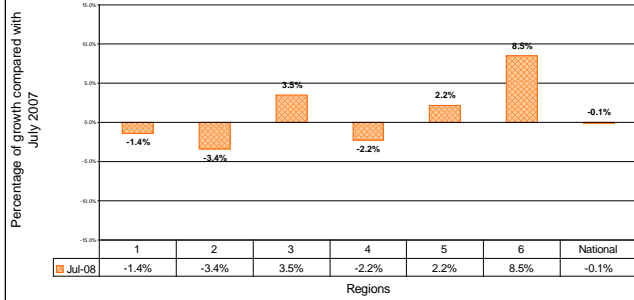
Regional Growth - Jun 2009
Heavy Vehicles



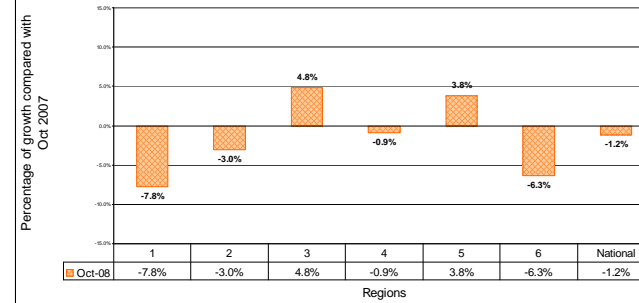




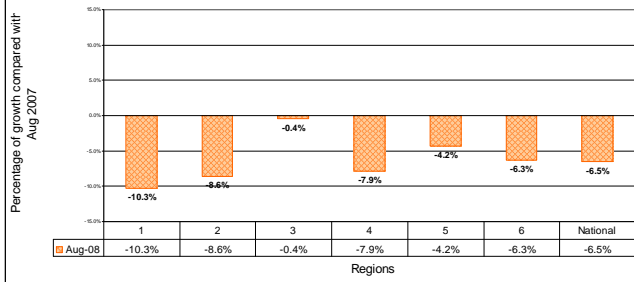
Regional Growth - July 2008
Heavy Vehicles



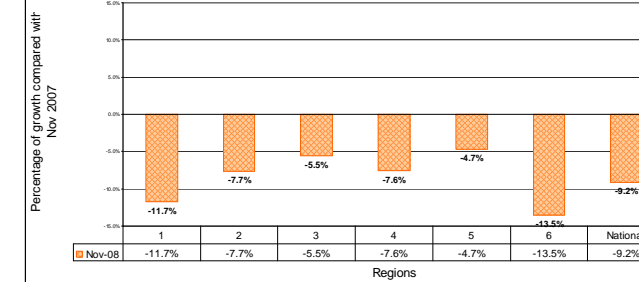
Regional Growth - Oct 2008
Heavy Vehicles



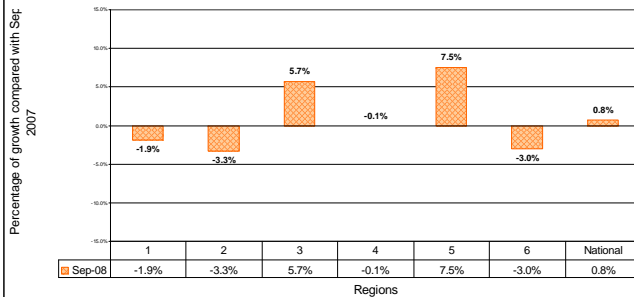
Regional Growth - Aug 2008
Heavy Vehicles



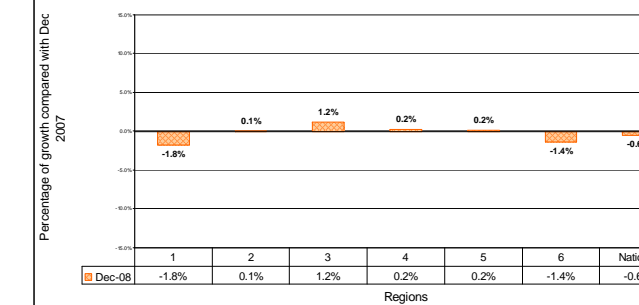
Regional Growth - Nov 2008
Heavy Vehicles



Regional Growth - Sep 2008
Heavy Vehicles



Regional Growth - Dec 2008
Heavy Vehicles



Telemetry Site MADT All Vehicles

NZTA Region	Site Ref	Description	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	Nov- 12	Dec- 12
1	ID:01N00212	KAWAKAWA	6750	7181	6520		6061	5305	5176	5129	5012	5030	5944	6057	6595
1	ID:01200026	KAIKOHE				1254	1228	1194	1142	1117	1104	1108	1205	1280	1379
1	ID:01400016	MAUNGATAPERE	2455	2272	2459	2692	2441	2524	2465	2366	2410	2390	2567	2626	2473
1	ID:01700006	HATFIELDS BEACH	6185	7076	6573	5836	6305	5234	5148	5069	5054	5117	5709	5904	6531
1	ID:01N10459	DRURY - SB (Park Estate)	31471	29342	30622	30171	30019	28630	28669	28191	28235	27449	29536	30687	31579
1	ID:01N20459	DRURY - NB (Park Estate)	30377	30561	30671	29847	30366	28248	28495	28161	27730	27100	29418	30431	30072
1	ID:01N00336	WELLSFORD - Nth of Mangawhai Rd	9568	11318	9634	8720	9556	7660	7839		7348	7501	8649	8455	9996
1	ID:01N10440	PANAMA Rd - SB	48368	51106	56233	57947	58251	60187	57225	58316	60545	57282	61202		61155
1	ID:01N20440	PANAMA RD - NB	52369	54066	58745	59551	54491	55738	52837	54490	56354	54197	57939		55015
1	ID:01N10474	BOMBAY - SB		20137	19137	18296	19895			16761	16156	16268	18022	18460	
1	ID:01N20474	BOMBAY - NB		20515	19023	18119	20374			16943	16035	16372	18113	18341	
1	ID:01N00388	ALPURT	15852	18046	15543	14094	15350	12942	13222	13061	12610	13242	14543	14753	16869
1	ID:02000006	SH20 Puhinui Rd to Massey Rd	57667	52124			56207	60211	58011	57206	59132	58565	59716	64574	59697
1	ID:01N00424	Auckland Harbour Brg - Centre Span	68516	66424	69257	68694	73628	74811	71091	70899	73647	73041	74267	77134	74141
1	ID:01N10424	Auckland Harbour Brg - Left Clip-on	38614	38317	42071	41977	40486	42596	41737	41407	42280	41998	43002	45346	42274
1	ID:01N20424	Auckland Harbour Brg - Right Clip-on	42733	38024	42456	43324	40193	43850	42532	42864	43039	42230	42594	45244	44629
2	ID:00200002	MAUNGATAWHIRI - West of Grahams Brg			13902	13012	13911	11416		11892	11218	11623	13279	13027	16393
2	ID:25A00024	HUKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	4085	5309	3745	3187	3599	2244	2531	2518	2209	2431	3142	3013	4239
2	ID:02700011	KAIHERE	4728	4587	4385	4254	4603	3847	3858	4033	3671	3826	4293	4337	4498
2	ID:01N00526	TAUPIRI - Nth of Gordonton Rd	21773	20748	21705	20816	21901	19979			19576	19169	20681	21285	21749
2	ID:01N00620	LICHFIELD - Sth of Baldwin Rd	9777	9437	9623	9360	9554	8553	8551	8663	8480	8428	9215	9382	9552
2	ID:00300085	TE KUITI - Nth of 8 Mile Junction	4304	4170	4141	4009	4303	3632	3918	4035	3864	3798	4018	3904	4280
2	ID:03200074	West of Taupo	757	851	766	637	711	514	565	592	553	546	623	619	672
2	ID:01N00580	KARAPIRO	15425	15324	15208	14857	15495	13582	14304	13724	13187		14340	14648	12820
2	ID:00200091	WAIHI - East of Samson Rd West	8318	9474	7975	7487	8229	6783	7051	6529	6626	6670	7476	7488	8801
2	ID:01N00729	HALLETT'S BAY	5655	6727	5727	4982	5408	4162	4403	4985	4407	4550	5120	5045	5773
2	ID:01N00628	TOKOROA - (WIM Site)	9309	9100	9002			7896	7940	8074	7861	7876	8727	8813	9090
2	ID:01N90552	GREENWOOD	21894	20057	22369	23099	21856	23412		22145	22785	22284	22882	24283	23055
2	ID:00200141	TE PUNA - West of Snodgrass	17569	17039	16814	16426	16580	16095	15668	14827	15545	14940	16122	17184	17521
2	ID:03010149	TE NGA - East End of Puarenga Brg (Inc)	16979	16329	16972	17388	16421	16982	16612	16153	16650	16203	17317	18086	17686
2	ID:03020149	East end of Puarenga Brg (Dec)	16811	16636	17020	17357	16390	16945	16596	16127	16612	16119	17294	18077	17456
2	ID:00200204	OHINEPANEA - West of Rogers Rd	5203	5306	4993	4514	4860	4593	4553	4389	4373	4256	4799	4936	5275
2	ID:03000188	LAKE ROTOMA	3046	3367	2998	2777	2927	2622	2639	2623	2576	2515	2865	2826	3143
2	ID:03300030	Sth of Maungarangi Rd Paengaroa	4157	4545	4119	3892	4130	3752	3665	3536	3483	3446	3852	3959	4204
2	ID:00500034	TARUKENGA - 4.7km West of Dalbeth Rd	5403	5878	5276	5152	5811	4558	4938	4933	4577	4637	5131	5151	5560
2	ID:02900034	KAIMAI - 100m past Boulder Brg (Kaukumoutiti Stream)	9311	9297	9087	8853	9423	8489	7879	8556	7871	8212	9040	9276	9878
2	ID:00500057	WAIPA - Sth of SH30			7759	7535	7611	6758	6635	6809	6593	6530	7281	7397	8030
2	ID:00200176	TE PUKE - (WIM Site)	18839	18273	18631	17951				16956	17460	16553	17726	18790	18731
2	ID:00200242	AWAKERI	7691	7332	7338	7687	8517	8733	8353	8658	8776	8102	8686	9173	9153
2	ID:00210152	TAKITIMU DRIVE - Inc	16817	14415	15382	15187	14563	15065	14713	14234	14779	14664	15120	16235	15979
2	ID:00220152	TAKITIMU DRIVE - Dec	18032	15593	16675	16486	15643	16302	15734	15204	15705	15614	16186	17362	16624
3	ID:00200428	ORMOND	2495	2646	2530	1827	2149	2185	2150	2015	2100	2087	2306	2332	2573
3	ID:03500321	HAMANATUA BRIDGE (New location from April 2012)	3909	4158	3453	3096	4093	3998	3980	3540	3801	4081	4482	4538	5582
3	ID:00200627	TANGOIO	2144	2528	2201	2265	1972	1889	1891	1748	1719	1740	2032	2012	2278
3	ID:00500230	TE POHUE - 1km Nth of Oakmere Station Gateway	2897	3358	3196	3195	3046	2352	2459	2436	2253	2345	2705	2666	3026
3	ID:00500259	ESKDALE - (WIM Site)	3969	4359	3895	4046	3862	3198	3295	3246	3086	3228	3670	3621	3964
3	ID:05000010	Nth of Tutaekuri River			23151	22857	21085	22198	21360	20752	21291	20334	21721	22966	22079
3	ID:00300171	TONGAPORUTU Brg	2233	2517	2243	2135	2349	1767	1979	1852	1690	1777	2023	2083	2288
3	ID:00300267	TARKI	8868	8267	9096	9062	8923	9013	8507	8502	8319	8088	8814	9359	9037
3	ID:00300370	WAITOTARA	3646	3542	3569	3799	3839	3486	3220	3410	3325	3295	3596	3689	3784
3	ID:04500101	OHAWA BEACH Rd	4017	3715	3880	3734	3616	3582	3344	3318	3509	3587	3952	4116	4037
3	ID:01N00930	SANSON	12817	12553	12662	12557	12661	11353	11257	11636	11117		11994	12163	12856
3	ID:01N00988	OHAU	15674	15241	15317	14585	14857	13192	13252	13612	13090	13319	14291	14546	15526
3	ID:00200755	NORSEWOOD	4073	4417	4280	3894	3990	3300	3326	3343	3103	3295	3850		4358
3	ID:00300489	MANAWATU GORGE							3268			4176	5737	6116	6615

Telemetry Site MADT All Vehicles

NZTA Region	Site Ref	Description	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	Nov- 12	Dec- 12
3	ID:00400133	HOROPITO	1754	1931	1805	1649	1870	1362	1649	2142	2000	2008	1918	1586	1733
3	ID:00400226	UPOKONGARO	1974	2036	1987	1943	1899	1685	1706	1679	1641	1642	1778	1887	2036
3	ID:01N00827	HIHITAHU	4727	5147	4861	4260	4862	3627	3843	4145	3793	3926	4571	4333	4785
3	ID:05400049	FIELDING	6125	5367	6280	6671	6136	6710	6604	6576	6525	6278	6393	6968	6367
3	ID:05700014	SHANNON	7389	6710	7441	7408	7177	7050	6987	6929	6844		7322	7598	7676
4	ID:01N11068	NGAURANGA - SH1 Sth Bound Lanes	21754	20108	23040	22763	21464	22667	22123	21710	21589	20924	21618	22201	20869
4	ID:00200895	CLAREVILLE - Nth of Whites Line	11429	10713	11414	11092	10594	10658	10279	9971	10320	9951	10614	11144	11038
4	ID:00200937	RIMUTAKA - Pukuratahi River Brg	6026	6377	6653	5801		5324	5068	5178	4950	4940	5531	5748	6204
4	ID:01N01036	PUKERUA BAY - (Piezo Axle Classification)	24480	23301	24341	23344	22915	22155	21780	22204	21711		22791	23595	24314
4	ID:01N21068	NGAURANGA - SH1 Nth Bound Lanes	19050	19669	22947	22866	21339	22816	21897	21875	22495	21429	22237	23337	21521
4	ID:05800009	Pauatahanui East	13952	12721	14256	14062	13509	13772	13261	13197	13485	12978	13602	14229	13870
4	ID:00210979	NGAURANGA - SH2 Sth Bound Lanes	20847	18873	22262	22227	20630	22048	21223	20709	21425	20063	21375	22248	20305
4	ID:00220979	NGAURANGA - SH2 Nth Bound Lanes	17798	18567	22049	22002	20425	21895	20754	20769	21293	20194	21278	22208	20163
4	ID:00210965	KELSON - SB	17080	15908	17926	17682	16994	17771	16852	16855	17082	16896	17284		16665
4	ID:00220965	KELSON - NB	16551	14888	17087	17073	16396	17240	16397	16252	16687	16384	16702		16133
4	ID:00600122	STOKE - Whakatu Drive at Songer St	21073	21532	22276	21314	19919	20729	19992	19881	20359	19474	20973	22573	22366
4	ID:00600232	MURCHISON	2121		2231	1940	2095	1385	1219	1336	1279		1689	1781	2021
4	ID:00600100	HIRA	3445	3802	3696	3432	3243	2861	2868		2622	2741	3162	3313	3504
4	ID:06000040	SH60 Riwaka	4441	5685	4819	3939	3659	2790	2493	2370	2386	2481	3149	3666	5300
4	ID:01S00037	Blenheim	4294	4225	3955		3957	3210	3188	3128	3006	3101	3461	3613	3997
4	ID:06300096	ST ARNAUD	388	442	418	385	359	239		243	203		299	352	347
5	ID:01S00389	DUNSANDEL	11121	10649	10816	10447	10796	9551	9152	9707	9277	9551	10512	11037	11481
5	ID:01S00505	EVANS St Timaru	21390	19845	20461	20255	20008	20133	20602	19897	19471	19095	20780	20477	21585
5	ID:07300064	Springfield - West of Township	1598	1847	1646	1519	1703	1198	1292	1491	1527	1433	1451	1577	1733
5	ID:01S00144	KAIKOURA - Nth of Hapuku River	2750	3362	2903	2478	2589	1905	1995	1939	1723	1924	2489	2486	2814
5	ID:01S00522	ST ANDREWS	6148	5865	5947	5765	5591	5480	5241	5302	5008	5298	5966	6088	6399
5	ID:00700108	LEWIS PASS	1285	1560	1337	1164	1293	859		897	818		1207	1115	1320
5	ID:07409005	QE II Drive East Of Main Nth Rd	20375	17932		19148	16605				18733			20732	
5	ID:01S00285	WAI PARA - (WIM Site)	8505	8924	8170	6999		6443	6332	6503	6125	6535	7857	7578	8619
5	ID:01S10327	WAIMAKARIRI BRIDGE - SB	21029	20103	21715	21823	20591	21265	19692	20354	20822	21057	22265	22959	22313
5	ID:01S20327	WAIMAKARIRI BRIDGE - NB	20612	18786	20647	20975	19787	20410	18906	19395	19993	20122	21336	21901	21872
5	ID:00800059	FAIRLIE	2442	2707	2536	2352	2603	1633	1638	1868	1873	1920		2297	2822
5	ID:00600454	CHESTERFIELD	3144	3268	3275	3024	2876	2614	2296	2489	2489	2461	2839	3087	3141
5	ID:00700239	AHAURA			1390	1354	1307	1137	1084	1118	1147		1256	1304	1288
5	ID:00600398	PUNAKAIKI - Just Nth of Canoe Creek	1116	1299	1287	1083	1004	738	640	694	716	744	893	1061	1114
6	ID:00800336	ALEXANDRA - Sth Near Butchers Dam	2324	2560	2402	2231	2338	1845	1768	1822	1937	1982	2092	2116	2417
6	ID:01S10713	BURNSIDE - Sth Bound	15593	13736	16031	15763	14996	15824	15089	15003	15293	14866	15360	16413	15596
6	ID:01S20713	BURNSIDE - Nth Bound	10595	9560	11014	10969	10361	10883	10410	10431	10536	10258	10640	11334	10755
6	ID:01S50713	BURNSIDE - On Ramp - Nth Bound	2525	2241	1502	2527	2391	2556	2432	2429	2442	2366	2503	2667	2508
6	ID:01S60713	BURNSIDE - Off Ramp - Sth Bound	3221	2909	1986	3425	3094	3304	3144	3086	3178	3015	3051	3279	3018
6	ID:01S40713	BURNSIDE - Off Ramp - Nth Bound	3324	2935	3455	3442	3204	3403	3281	3187	3273	3177	3150	3387	3132
6	ID:01S40714	Burnside - Nth Bound Off Ramp	2230	2026	2306	2285	2120	2251	2099	2090	2158	2090	2090	2262	2067
6	ID:01S00765	MILTON	6662	6464	6830	6515	6520	6005	5478	5568	5590	5633	6067	6377	6488
6	ID:06A00001	FRANKTON	18230	18799	18404	18036	17754	15940	16281	18324	18910	16619	17194	18349	19471
6	ID:08500161	GALLOWAY	2175	2339	2174	1969	2022	1841	1671	1702	1808	1765	1875	1985	2186
6	ID:08800004	RAVENSBOURNE	8548	7689	8839	8815	8033	8574	8174	8074	8339	8190	8488	9101	8816
6	ID:01S00921	INVERCARGILL	11030	9339	11404	11853	10496	11577	11032	10914	11543	10695	11003	11848	10841
6	ID:00601147	WINTON	4825	4322	4757	4757	4488	4548	4307	4290	4539	4195	4605	5090	4882
6	ID:00601082	FIVE RIVERS	2180	2350	2370	2084	2022	1402	1273	1318	1323	1382	1687	1938	2520
6	ID:01S00854	GORE	4323	4101	4607	4267	4105	3990	3670	3635	3706	3555	3928	4247	4216
6	ID:09400141	TE ANAU	1436	1685	1599	1398	1358	760	625	739	746	709	885	1184	1486

Telemetry Site MADT Heavy Vehicles

NZTA Region	Site Ref	Description	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	Nov- 12	Dec- 12
1	ID:01N00212	KAWAKAWA	687	730	756		677	682	585	573	616	615	749	773	710
1	ID:01200026	KAIKOHE				65	53	51	61	47	45	52	53	55	55
1	ID:01400016	MAUNGATAPERE	237	231	284	270	263	252	232	241	269	270	311	292	245
1	ID:01700006	HATFIELDS BEACH	223	245	257	234	188	166	152	148	153	156	179	198	211
1	ID:01N10459	DRURY - SB (Park Estate)	2489	2308	2600	2700	2511	2599	2388	2300	2414	2241	2520	2763	2562
1	ID:01N20459	DRURY - NB (Park Estate)	2320	2246	2486	2581	2421	2478	2279	2186	2290	2090	2410	2641	2399
1	ID:01N00336	WELLSFORD - Nth of Mangawhai Rd	935	1056	1060	1001	948	936	839		822	811	981	1000	972
1	ID:01N10474	BOMBAY- SB		2296	2316	2327	2198			1899	1949	1901	2101	2314	
1	ID:01N20474	BOMBAY - NB		2418	2395	2398	2312			1902	1939	1906	2118	2322	
1	ID:01N00388	ALPURT	1290	1435	1384	1285	1278	1227	1149	1096	1019	1064	1238	1308	1306
1	ID:02000006	SH20 Puhinui Rd to Massey Rd	3251	2891			3145	3584	3268	3149	3373	3269	3524	4124	3450
2	ID:00200002	MAUNGATAWHIRI - West of Grahams Brg			1668	1782	1770	1692		1498	1559	1526	1708	1847	1307
2	ID:25A00024	HIKUAUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	315	369	287	261	277	209	215	240	236	266	307	294	348
2	ID:02700011	KAIHERE	863	822	935	967	870	900	789	805	810	809	924	998	858
2	ID:01N00526	TAUPIRI - Nth of Gordonton Rd	2169	2016	2260	2251	2107	1994			2003	2060	2324	2392	2350
2	ID:01N00620	LICHFIELD - Sth of Baldwin Rd	1437	1334	1545	1652	1495	1508	1310	1291	1404	1395	1573	1680	1429
2	ID:00300085	TE KUITI - Nth of 8 Mile Junction	671	655	737	735	713	732	627	592	605	613	701	766	672
2	ID:03200074	West of Taupo	103	102	121	104	89	84	75	71	70	67	80	80	74
2	ID:01N00580	KARAPIRO	1626	1585	1755	1727	1649	1515	1314	1267	1482		1581	1761	1775
2	ID:00200091	WAIHI - East of Samson Rd West	791	808	854	861	826	797	752	665	751	744	812	880	829
2	ID:01N00729	HALLETTS BAY	744	822	888	843	756	786	712	668	678	686	798	881	773
2	ID:01N00628	TOKOROA - (WIM Site)	1473	1416	1595			1525	1318	1319	1457	1483	1670	1742	1488
2	ID:01N90552	GREENWOOD	1686	1552	1814	1765	1578	1768		1564	1687	1649	1749	1896	1671
2	ID:00200141	TE PUNA - West of Snodgrass	1121	1087	1212	1236	1244	1325	1149	1014	1146	1123	1210	1276	1120
2	ID:03010149	TE NGA - East End of Puarenga Brg (Inc)	946	927	1022	1068	957	1029	952	909	965	968	1064	1165	1033
2	ID:03020149	East end of Puarenga Brg (Dec)	925	951	1039	1128	1028	1108	1027	980	1036	1025	1128	1233	1064
2	ID:00200204	OHINEPANEA - West of Rogers Rd	758	719	811	723	783	805	697	658	731	713	826	854	737
2	ID:03000188	LAKE ROTOMA	301	346	372	340	349	348	310	320	336	324	362	366	344
2	ID:03300030	Sth of Maungarangi Rd Paengaraoa	559	571	613	610	599	629	563	504	530	510	592	649	565
2	ID:00500034	TARUKENGA - 4.7km West of Dalbeth Rd	626	651	682	634	628	569	512	495	545	529	630	683	619
2	ID:02900034	KAIMAI - 100m past Boulder Brg (Kaukumoutiti Stream)	1344	1243	1424	1395	1365	1305	1152	1157	1207	1181	1391	1487	1355
2	ID:00500057	WAIPA - Sth of SH30			972	956	905	919	829	785	816	825	936	960	686
2	ID:00200176	TE PUKE - (WIM Site)	1699	1652	1975	1885				1643	1805	1689	1936	2129	1695
2	ID:00200242	AWAKERI	608	619	745	706	797	797	660	690	714	647	729	800	689
2	ID:00210152	TAKITIMU DRIVE - Inc	1334	978	1153	1171	1156	1220	1073	991	1066	1062	1170	1278	1114
2	ID:00220152	TAKITIMU DRIVE - Dec	1415	982	1159	1164	1153	1220	1081	990	1075	1072	1179	1270	1095
3	ID:00200428	ORMOND	222	257	379	244	205	237	224	202	215	229	258	256	252
3	ID:03500321	HAMANATUA BRIDGE (New location from April 2012)	292	322	425	367	384	483	443	379	412	505	566	595	465
3	ID:00200627	TANGOIO	351	419	440	491	350	401	375	335	377	326	393	412	371
3	ID:00500230	TE POHUE - 1km Nth of Oakmere Station Gateway	460	458	583	694	564	607	525	505	508	492	584	669	552
3	ID:00500259	ESKDALE - (Wim Site)	540	577	608	789	628	698	616	613	612	596	673	684	572
3	ID:05000010	Nth of Tutaeakuri River			1547	1588	1432	1518	1381	1241	1266	1252	1396	1510	1318
3	ID:00300171	TONGAPORUTU Brg	402	464	457	440	428	424	384	353	357	381	428	474	408
3	ID:00300267	TARIKI	1008	987	1063	1097	1048	1070	884	848	931	975	1056	1136	1012
3	ID:00300370	WAITOTARA	614	565	599	642	672	623	480	480	599	572	661	725	648
3	ID:04500101	OHAWA BEACH Rd	530	501	497	463	434	342	237	243	406	563	633	641	574
3	ID:01N00930	SANSON	1557	1477	1636	1646	1552	1536	1355	1334	1419		1568	1733	1591
3	ID:01N00988	OHAU	1444	1376	1559	1494	1388	1423	1305	1305	1309	1301	1432	1561	1396
3	ID:00200755	NORSEWOOD	566	621	698	704	653	652	513	499	515	527	630		604
3	ID:00300489	MANAWATU GORGE							426			487	683	793	723
3	ID:00400133	HOROPITO	259	285	325	317	296	291	277	270	266	260	264	300	267
3	ID:00400226	UPOKONGARO	155	184	175	181	163	151	143	128	125	127	148	164	158

Telemetry Site MADT Heavy Vehicles

NZTA Region	Site Ref	Description	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	Nov- 12	Dec- 12
3	ID:01N00827	HIHITAH	839	829	993	1004	914	938	822	825	831	815	962	1062	894
3	ID:05400049	FIELDING	274	234	274	289	247	259	239	252	243	236	244	277	236
3	ID:05700014	SHANNON	654	606	714	695	625	644	623	588	594		665	732	661
4	ID:01N11068	NGAURANGA - SH1 Sth Bound Lanes	735	709	813	765	710	778	751	705	623	620	646	699	608
4	ID:00200895	CLAREVILLE - Nth of Whites Line	588	569	686	670	600	576	476	487	537	557	669	680	603
4	ID:00200937	RIMUTAKA - Pukuratahi River Brg	342	359	401	380		328	266	283	286	280	332	361	345
4	ID:01N01036	PUKERUA BAY - (Piezo Axle Classification)	1769	1619	1896	1871	1738	1863	1675	1702	1746		1843	2116	1912
4	ID:01N21068	NGAURANGA - SH1 Nth Bound Lanes	586	668	769	740	671	733	682	689	617	559	606	661	565
4	ID:05800009	Pauatahanui East	666	619	738	668	551	560	507	490	509	508	547	592	564
4	ID:00210979	NGAURANGA - SH2 Sth Bound Lanes	824	800	891	883	810	872	876	794	669	641	701	735	624
4	ID:00220979	NGAURANGA - SH2 Nth Bound Lanes	567	694	778	762	692	757	738	723	739	699	767	813	699
4	ID:00210965	KELSON - SB	672	643	777	760	699	723	619	631	653	650	699		609
4	ID:00220965	KELSON - NB	600	546	663	699	669	679	583	580	613	608	670		621
4	ID:00600122	STOKE - Whakatu Drive at Songer St	1168	1291	1355	1415	1273	1347	1181	1183	1185	1130	1272	1433	1197
4	ID:00600232	MURCHISON	314		349	328	310	260	189	211	231		275	314	283
4	ID:00600100	HIRA	453	495	533	522	479	478	428		415	445	511	523	479
4	ID:06000040	SH60 Riwaka	253	312	308	291	261	219	152	145	154	170	219	288	248
4	ID:01S00037	Blenheim	580	637	669		714	616	489	454	500	491	571	602	565
4	ID:06300096	ST ARNAUD	38	41	46	43	39	33		20	20		38	53	37
5	ID:01S00389	DUNSANDEL	1562	1554	1632	1554	1484	1453	1202	1196	1292	1357	1565	1700	1608
5	ID:01S00505	EVANS St Timaru	1485	1494	1638	1619	1539	1537	1240	1211	1205	1363	1629	1478	1400
5	ID:07300064	Springfield - West of Township	202	241	216	196	191	184	140	155	170	167	201	226	203
5	ID:01S00144	KAIKOURA - Nth of Hapuku River	478	538	559	532	486	486	439	411	403	435	511	542	467
5	ID:01S00522	ST ANDREWS	912	963	1006	985	952	930	716	684	732	870	1014	1020	973
5	ID:00700108	LEWIS PASS	192	237	215	201	193	175		140	140		191	198	193
5	ID:07409005	QE II Drive East Of Main Nth Rd	611	557		592	500				585				767
5	ID:01S00285	WAIPARA - (WIM Site)	1271	1377	1413	1273		1134	933	919	936	1035	1207	1258	1228
5	ID:01S10327	WAIMAKARIRI BRIDGE - SB	1238	1271	1419	1386	1316	1384	1188	1226	1355	1440	1598	1680	1472
5	ID:01S20327	WAIMAKARIRI BRIDGE - NB	1203	1135	1287	1264	1208	1241	1061	1082	1154	1229	1359	1424	1327
5	ID:00800059	FAIRLIE	303	336	318	302	318	202	162	161	172	205		314	349
5	ID:00600454	CHESTERFIELD	377	378	380	342	325	284	188	207	244	309	388	429	380
5	ID:00700239	AHAURA			195	195	178	148	135	143	159		223	236	194
5	ID:00600398	PUNAKAIKI - Just Nth of Canoe Creek	105	110	118	109	103	72	57	57	80	101	113	131	115
6	ID:00800336	ALEXANDRA - Sth Near Butchers Dam	236	273	257	239	224	202	159	164	204	182	200	223	226
6	ID:01S10713	BURNSIDE - Sth Bound	834	831	952	923	837	850	717	710	737	753	816	927	812
6	ID:01S20713	BURNSIDE - Nth Bound	643	664	742	729	641	658	545	536	565	580	633	726	627
6	ID:01S50713	BURNSIDE - On Ramp - Nth Bound	111	106	68	131	128	130	111	109	111	112	126	140	120
6	ID:01S60713	BURNSIDE - Off Ramp - Sth Bound	187	174	122	216	195	197	183	187	190	180	195	212	187
6	ID:01S40713	BURNSIDE - Off Ramp - Nth Bound	140	129	155	158	148	140	121	118	118	120	130	142	128
6	ID:01S40714	Burnside - Nth Bound Off Ramp	64	64	79	75	70	74	67	69	73	73	72	78	68
6	ID:01S00765	MILTON	890	915	953	921	836	807	614	610	662	730	844	964	839
6	ID:06A00001	FRANKTON	957	1127	1386	987	892	746	663	797	844	765	806	946	949
6	ID:08500161	GALLOWAY	127	148	152	144	135	128	99	96	121	104	113	134	126
6	ID:08800004	RAVENSBOURNE	487	491	549	513	490	500	406	388	409	407	457	613	565
6	ID:01S00921	INVERCARGILL	343	304	376	383	336	374	365	380	421	386	407	427	347
6	ID:00601147	WINTON	476	453	518	515	471	428	347	336	411	390	466	540	468
6	ID:00601082	FIVE RIVERS	238	249	246	227	207	161	127	132	147	137	177	231	242
6	ID:01S00854	GORE	560	554	628	596	540	507	372	337	426	438	513	590	527
6	ID:09400141	TE ANAU	156	175	172	161	156	79	61	77	78	72	96	147	154