



## Traffic Volumes Monthly Report April 2012

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#### Quality Assurance Statement

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#### Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	9/05/2012	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 April 2012, compared with April 2011, the monthly average daily traffic (MADT) for all vehicles increased by 1.3%; the MADT for heavy vehicles increased by 1.6%.

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**In this report**

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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 104 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.

NZ Transport Agency Region	Number of Telemetry Sites
Northland and Auckland	19
Waikato and Bay of Plenty	23
Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne	16
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

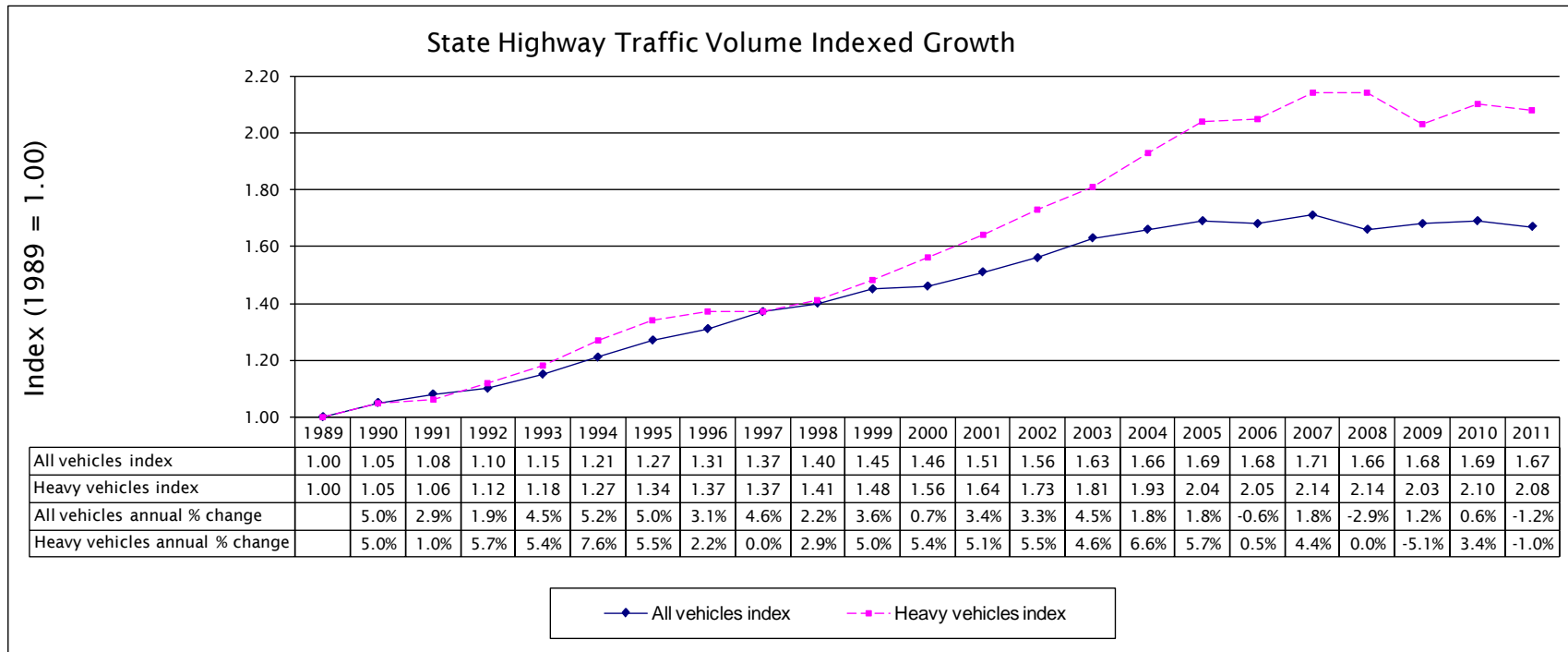
The State Highway Traffic Volume growth indexes measures the change in the yearly traffic volume (All vehicles and heavy vehicles) compared to 1989 when our systematic traffic data records began.

## 2011 All Vehicles

There has been a decrease of 1.2% in the all vehicles, compared to 2010.

## 2011 Heavy Vehicles

There has been a decrease of 1.0% in the heavy vehicles, compared to 2010.



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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 April 2011, April 2012 and percentage of difference compared are reported in the table below.

Note the MADT values include all vehicles.

Site	City	MADT (All Vehicles) April-11	MADT (All Vehicles) April-12	% Change
Auckland harbour bridge (SH1)	Auckland	150452	154307	3%
Greenwood (SH1)	Hamilton	22339	21856	-2%
Ngauranga Interchange (SH 1 and SH2 combined)	Wellington	84940	83858	-1%
Waimakariri Bridge	Christchurch	38545	40378	5%
Burnside	Dunedin	24620	25357	3%

In April 2012, the MADT values for the sites representing Auckland, Christchurch and Dunedin indicated an increase, while the site representing Hamilton and Wellington showed a decrease, compared to the same period in the previous year.

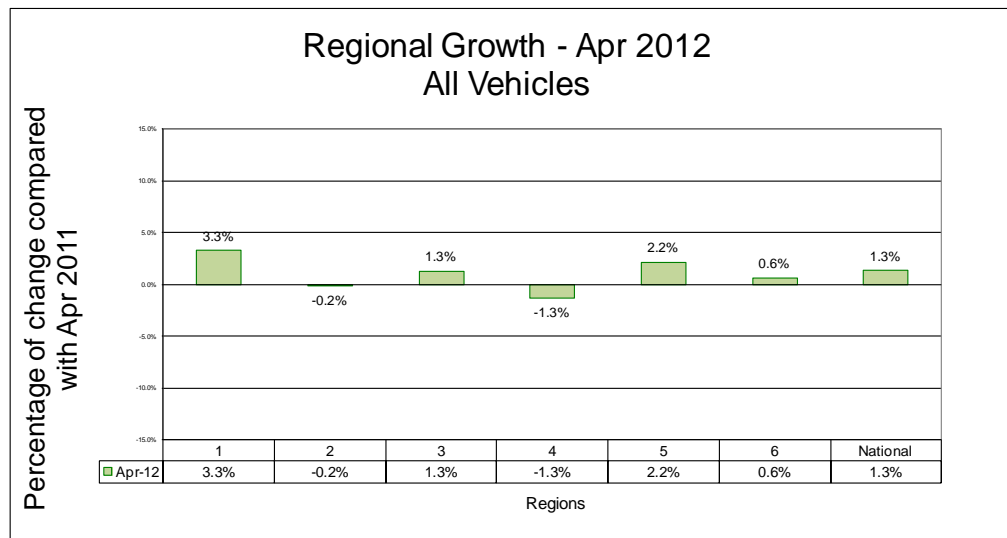
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# Results: All Vehicles

## 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 April 2012, region1, region3 and region5 had an increase, region2 and region6 remained at a similar level, while region 4 showed a decrease. Nationally, the MADT for all vehicles increased by 1.3%, compared with April 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)** – Sum of weighted MADT (All vehicles) percentage change compared with the same month previous year from each telemetry site 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 (not weighted).

## More graphs

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

## All sites

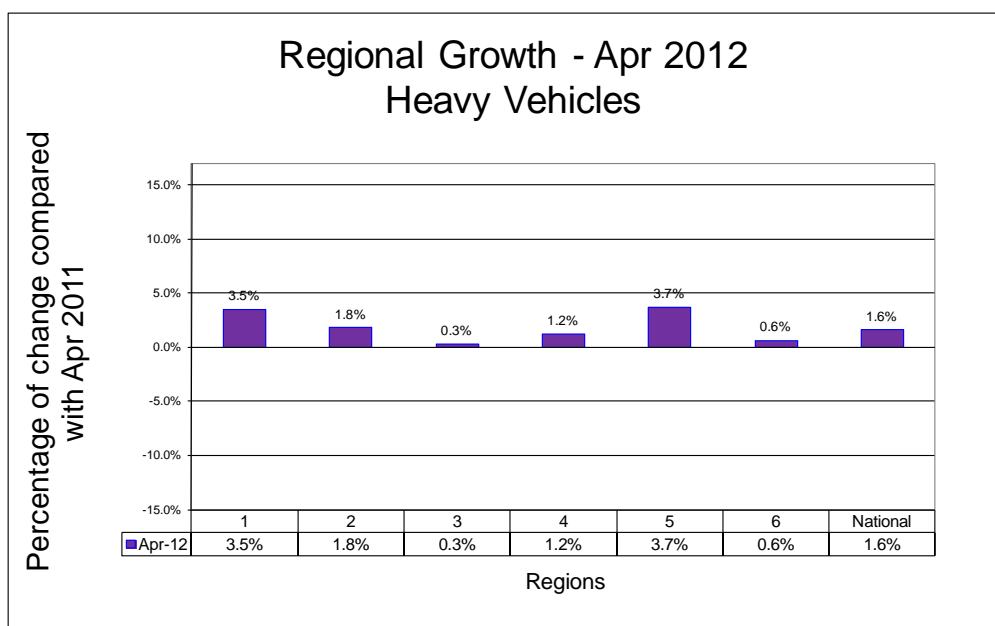
A table of MADT (all vehicles) values for all national telemetry sites is attached to this report.

# 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 April 2012, regionally, all regions had an increase of between 0.3% and 3.7%. Nationally, the MADT for heavy vehicles increased by 1.6%, compared with April 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)** – Sum of weighted MADT (Heavy vehicles) percentage change compared with the same month previous year from each telemetry site 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 (not weighted).

## More graphs

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

## All sites

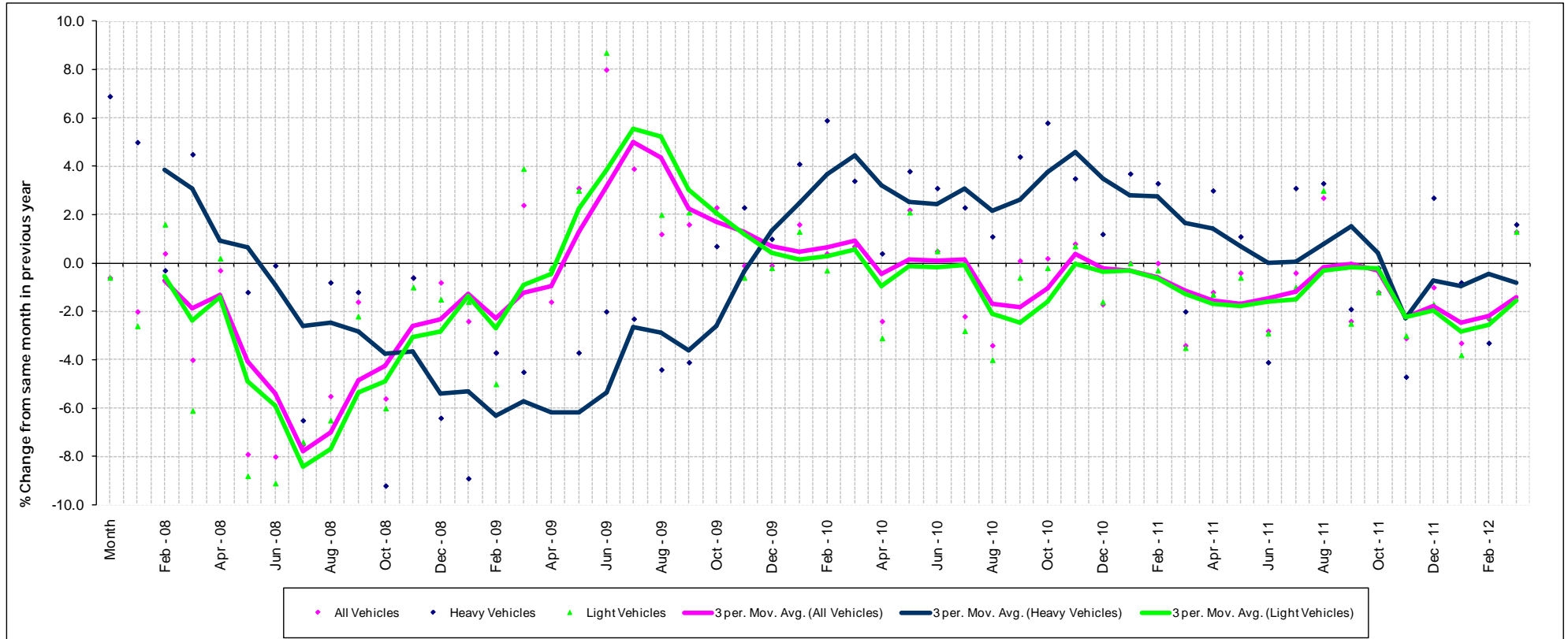
A table of MADT (heavy vehicles) values for all national telemetry sites for 2012 is attached to this report.

<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			
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			
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			
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			
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

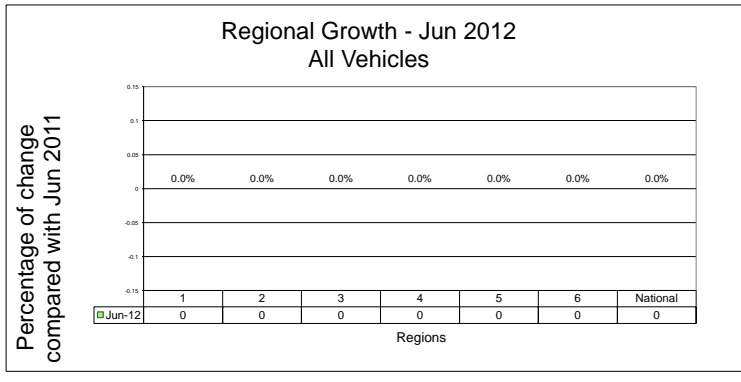
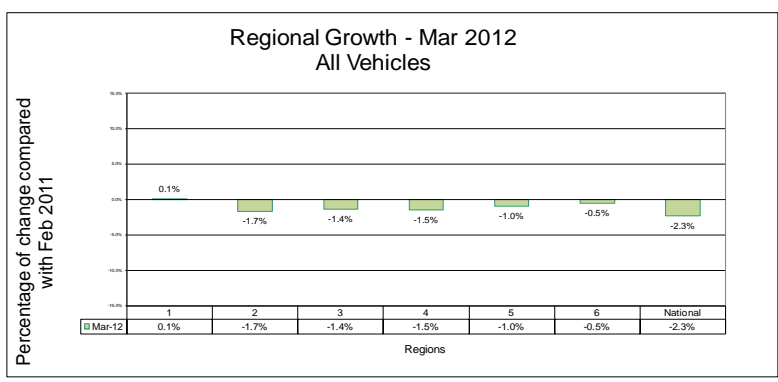
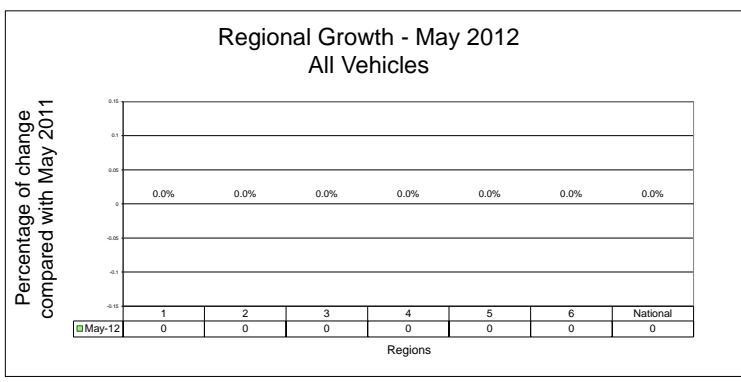
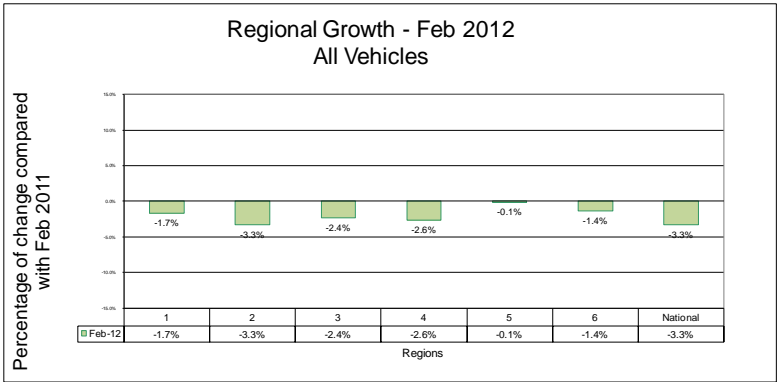
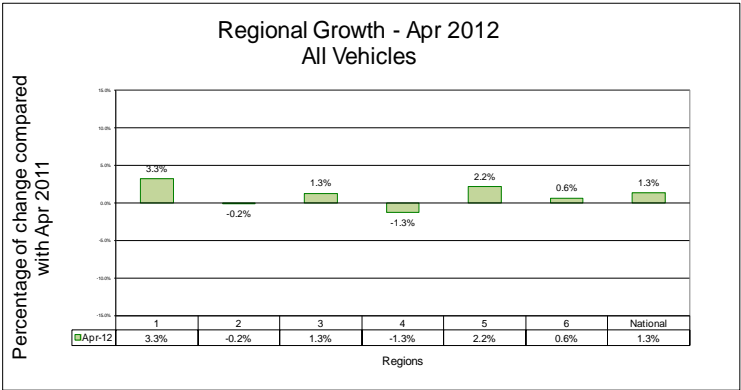
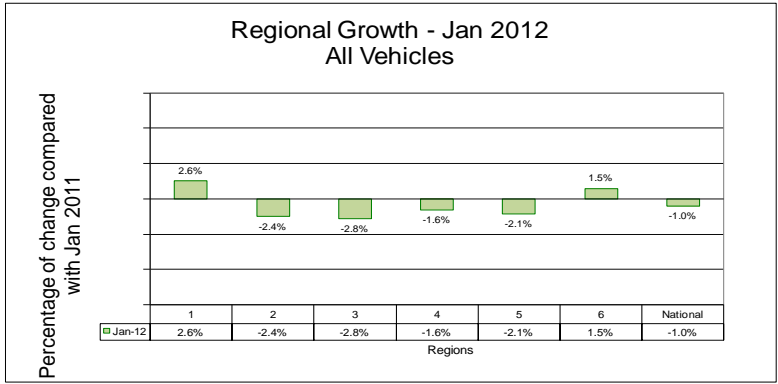
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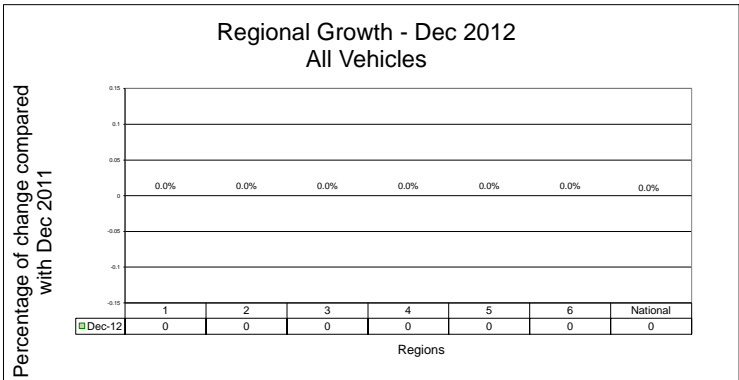
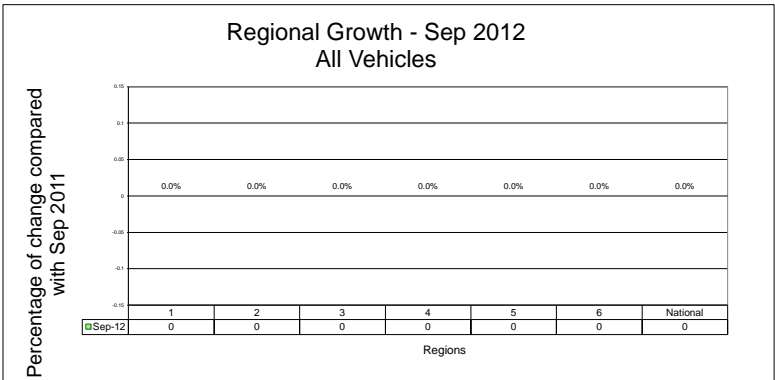
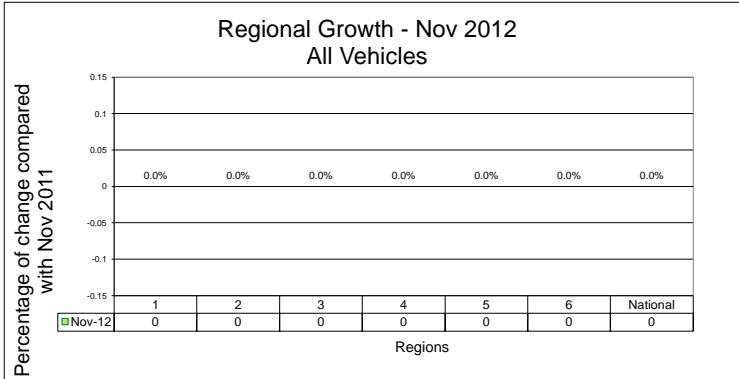
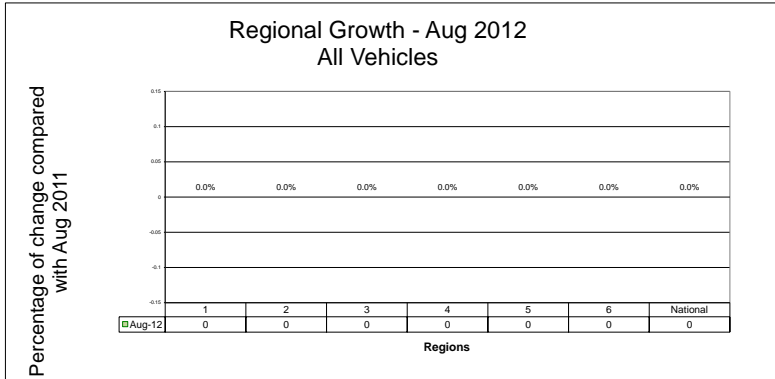
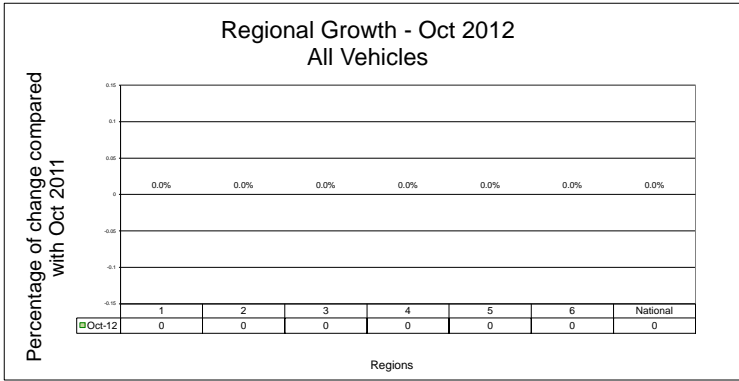
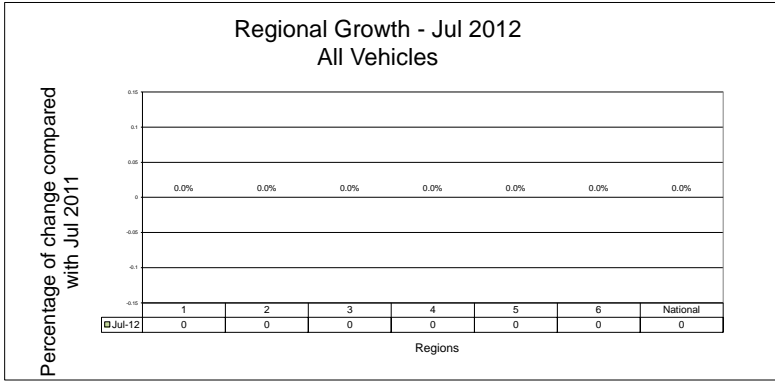
Current and Previous Years Growth Graphs: 2012, 2011, 2010, 2009 and 2008

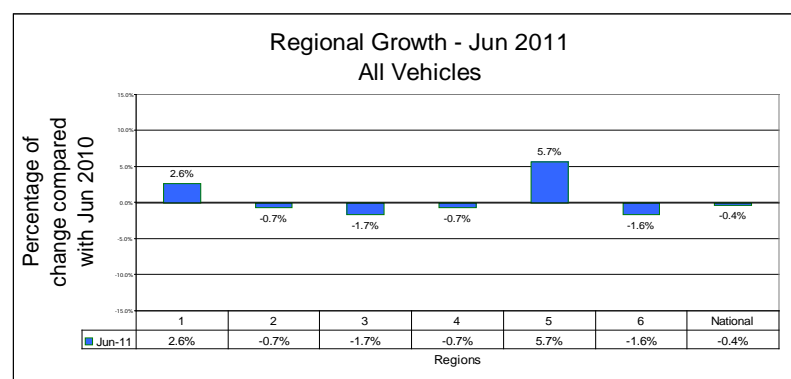
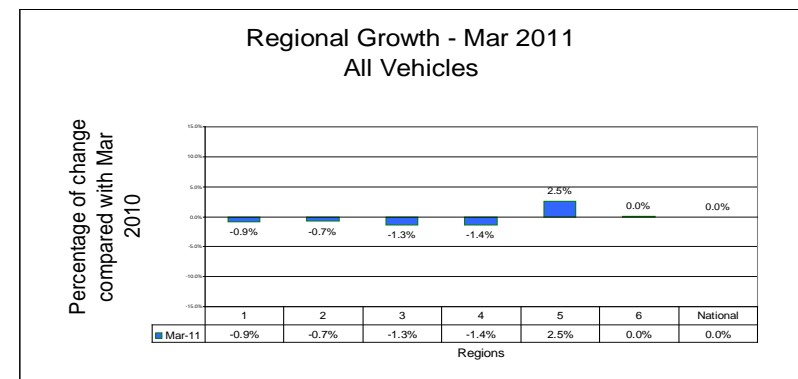
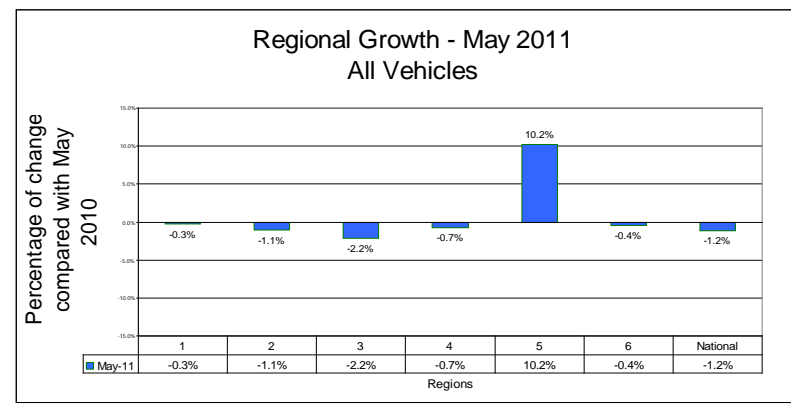
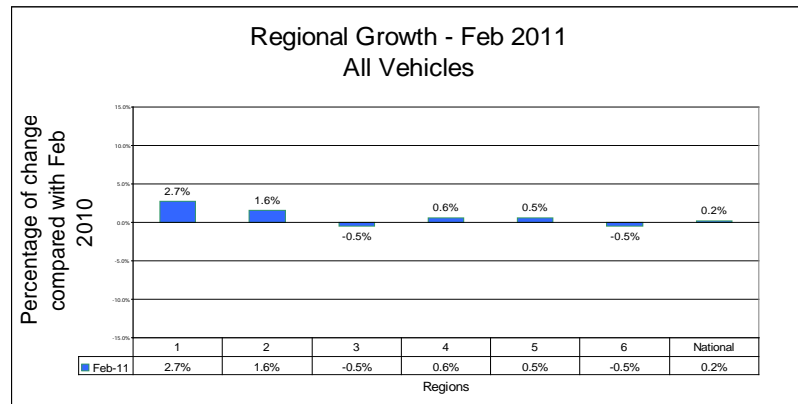
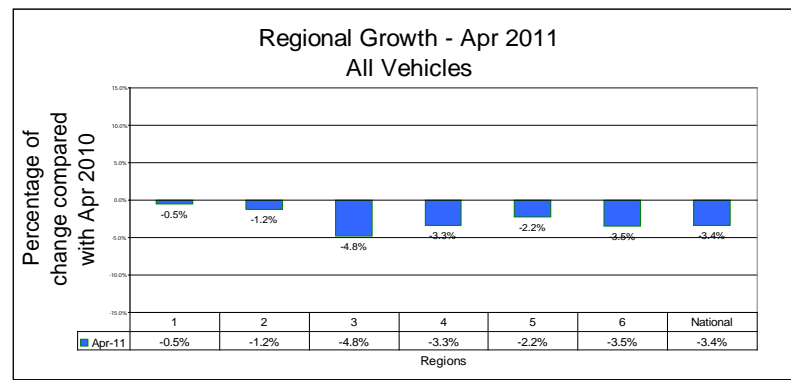
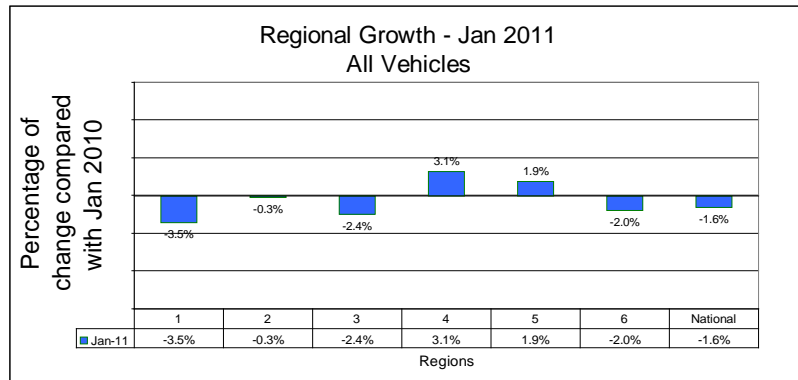
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- Heavy Vehicles

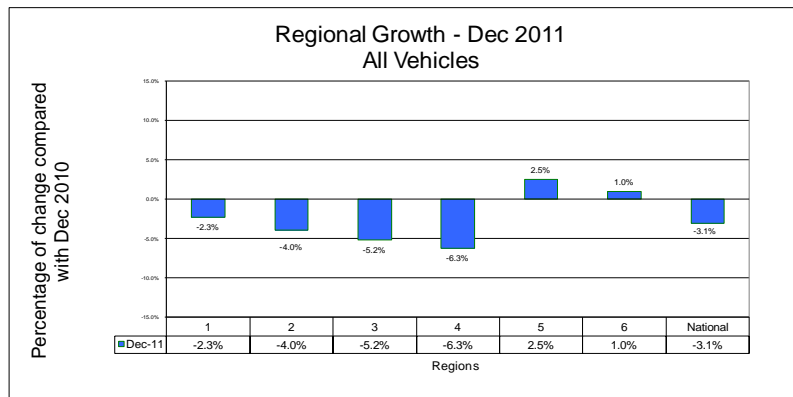
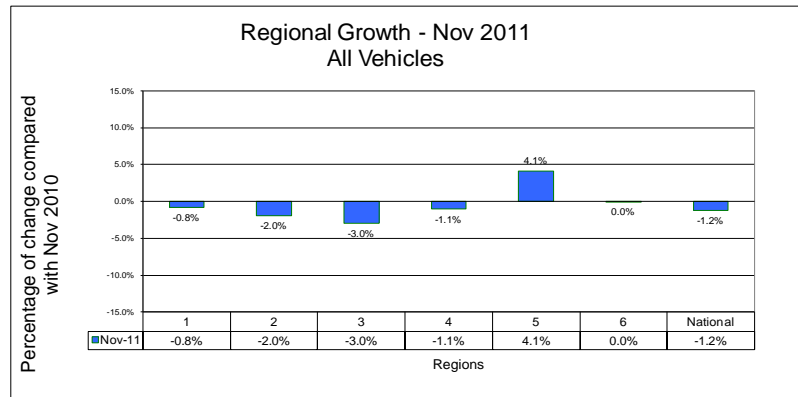
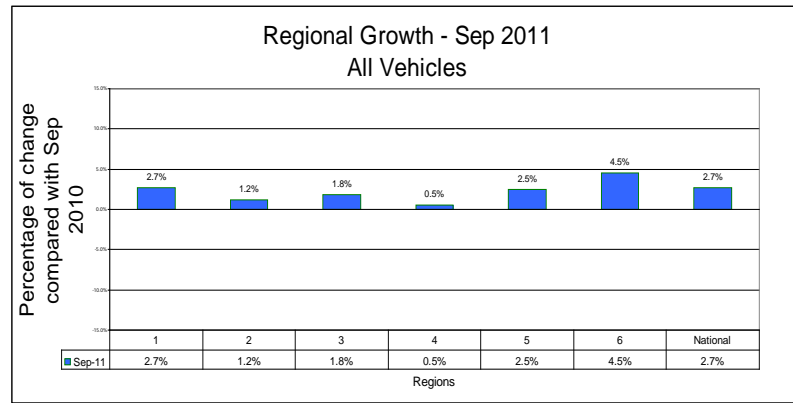
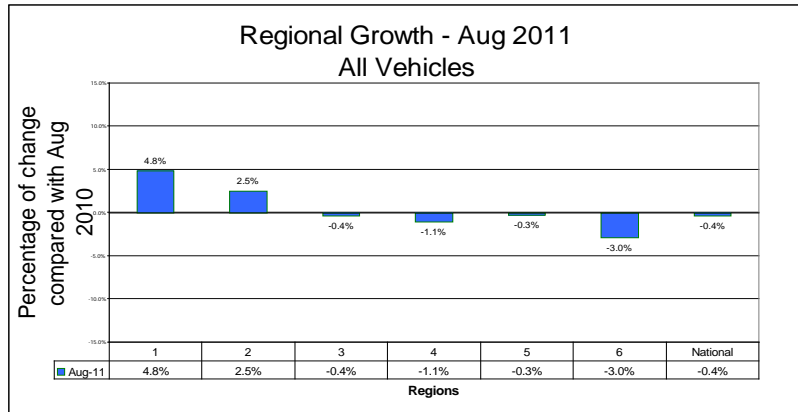
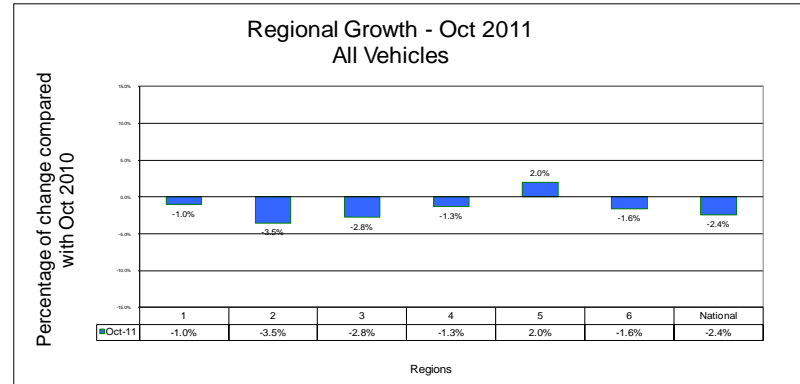
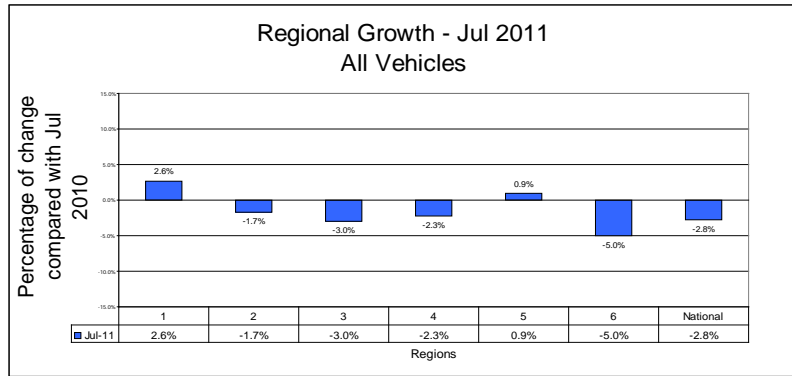
Telemetry Site MADT's for the past thirteen months

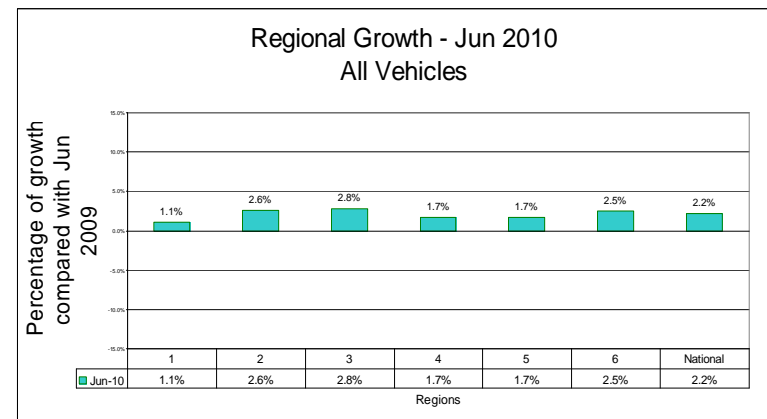
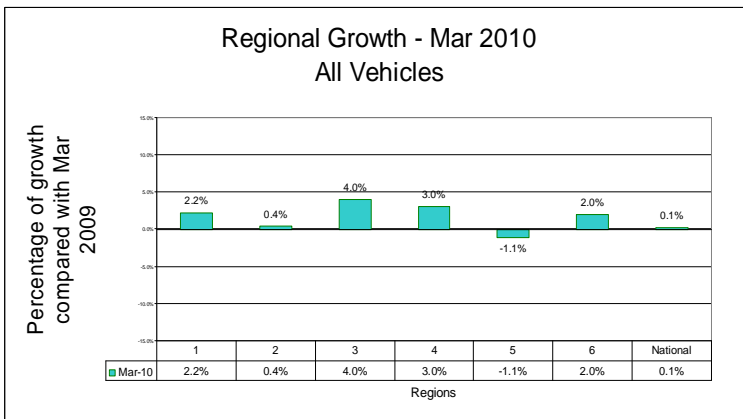
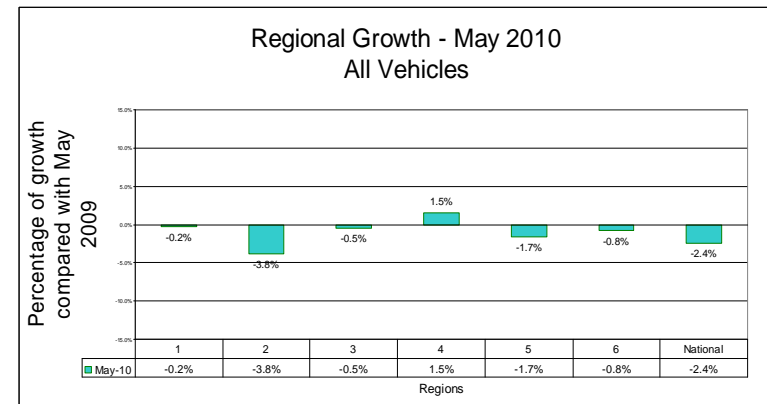
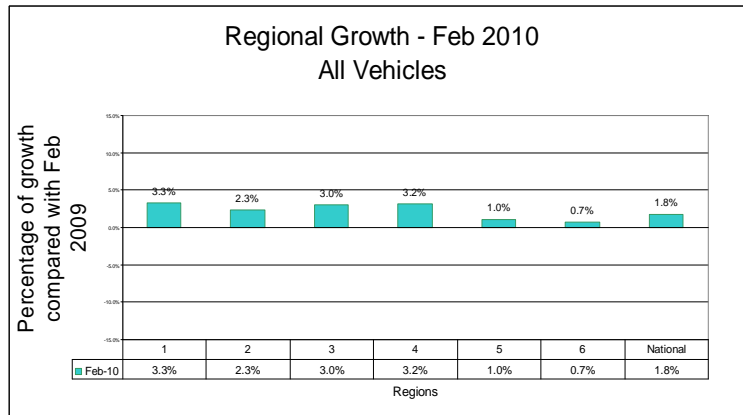
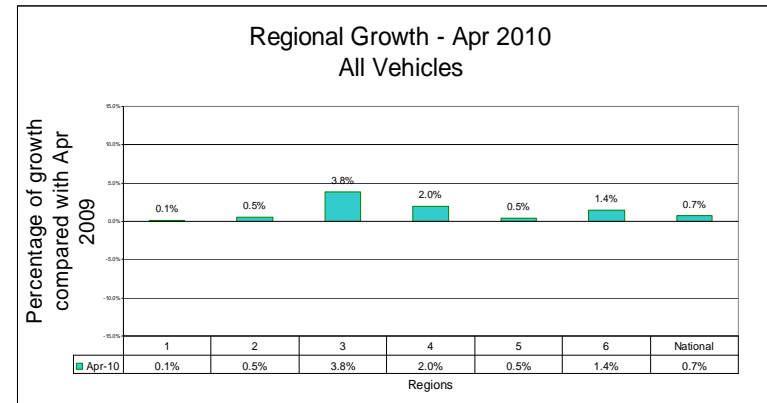
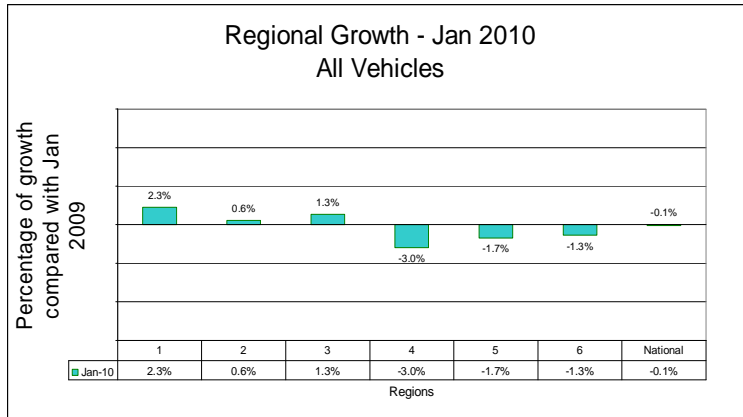
- All Vehicles
- Heavy Vehicles



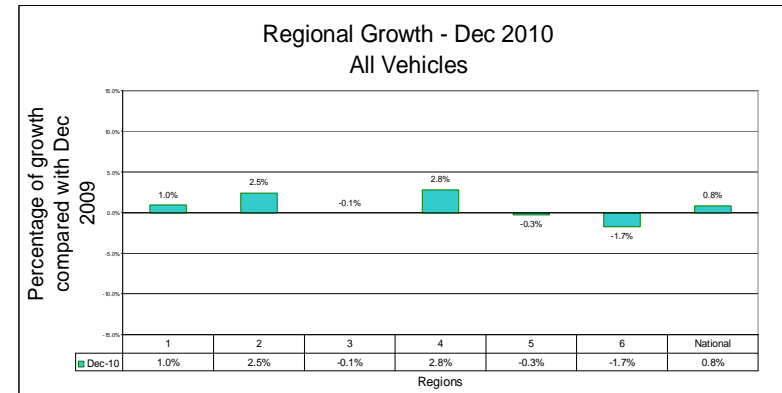
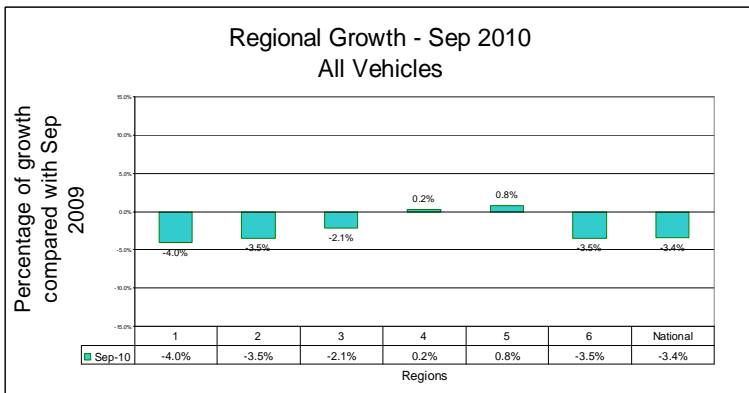
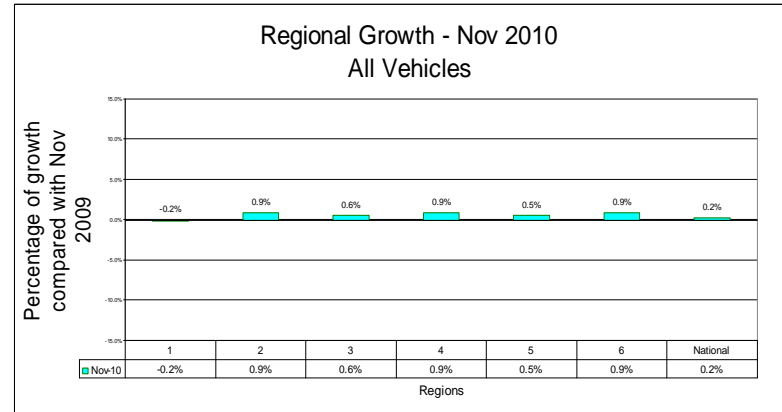
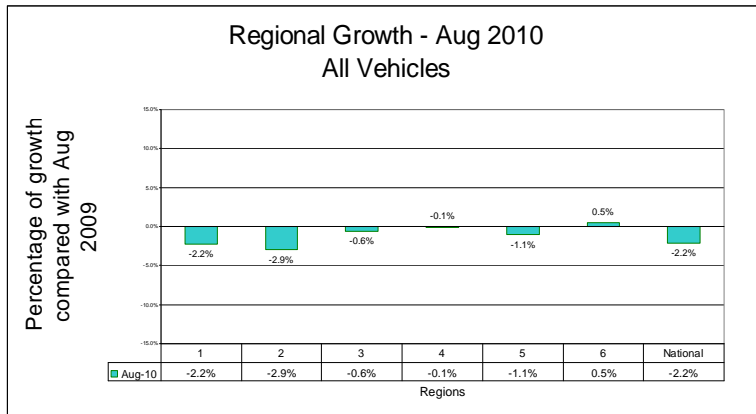
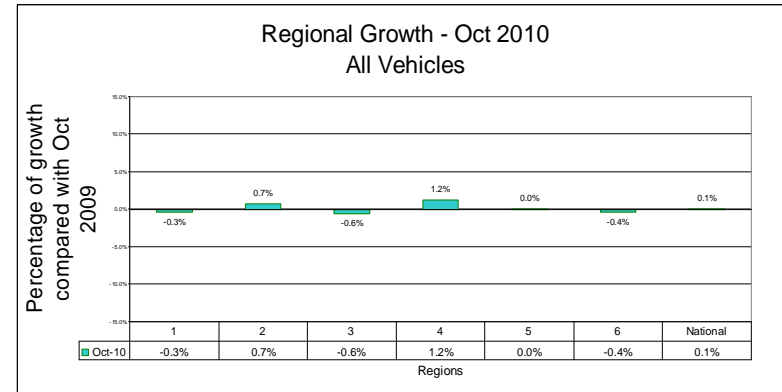
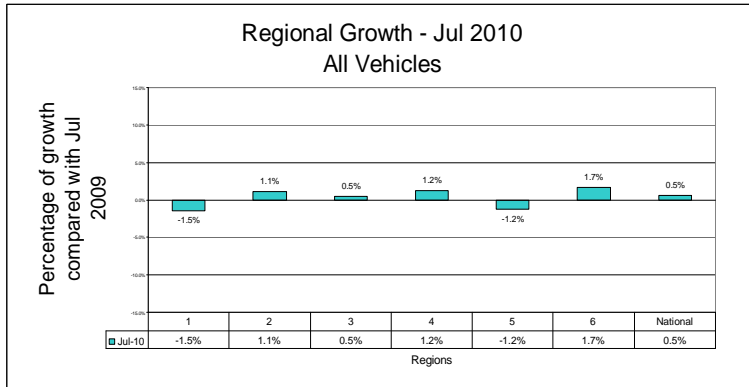




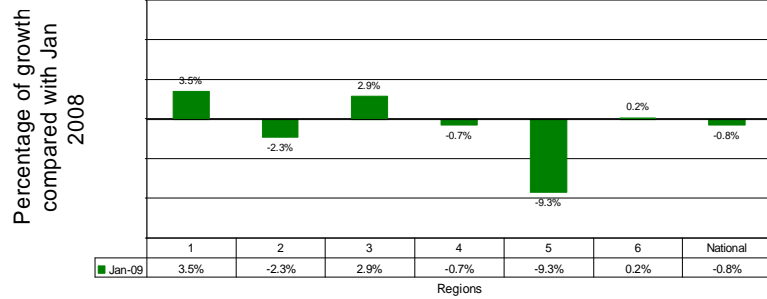




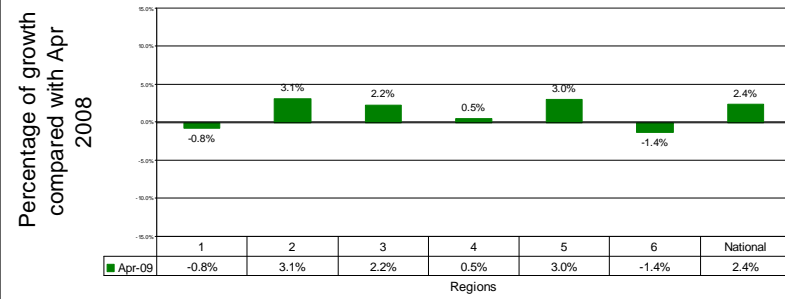




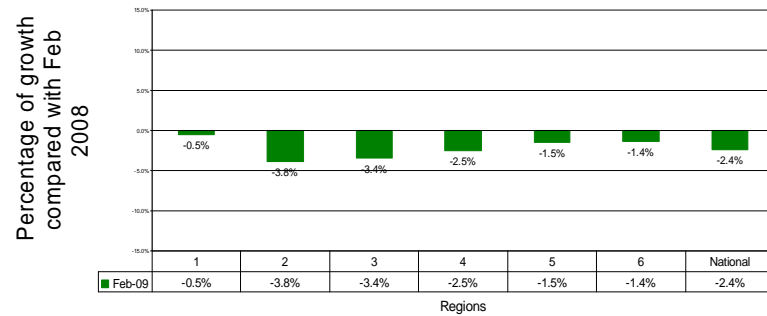
Regional Growth - Jan 2009  
All Vehicles



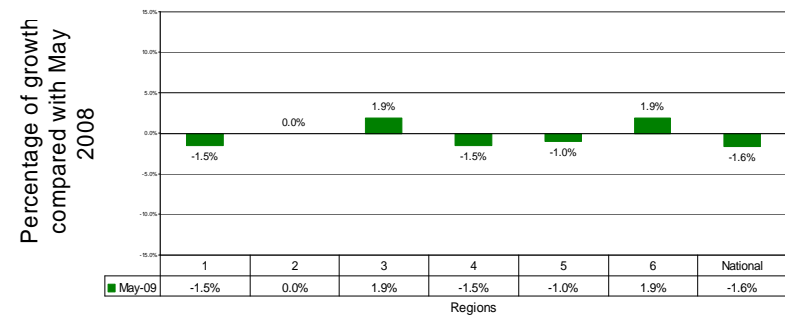
Regional Growth - Apr 2009  
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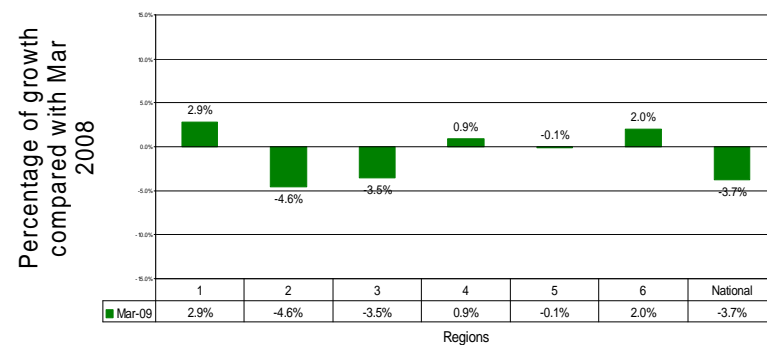
Regional Growth - Feb 2009  
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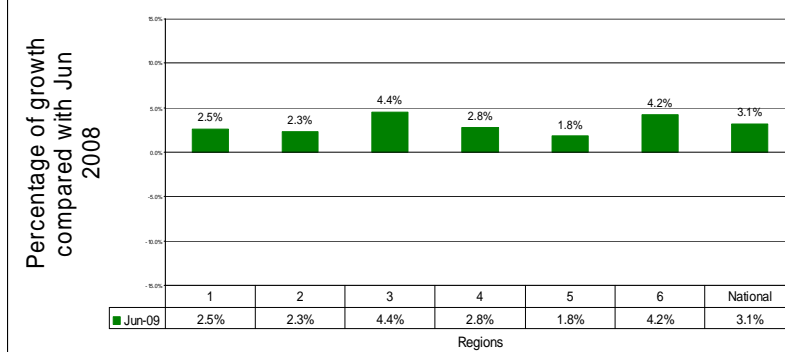
Regional Growth - May 2009  
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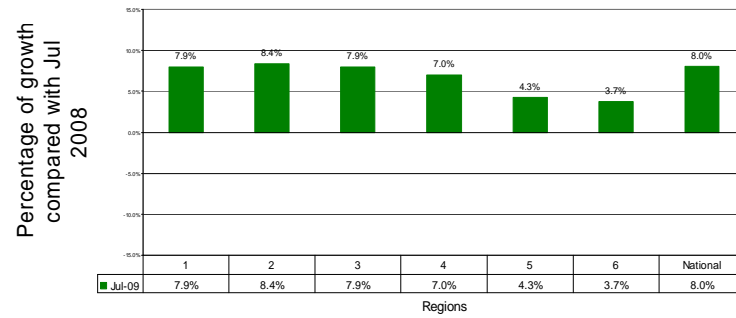
Regional Growth - Mar 2009  
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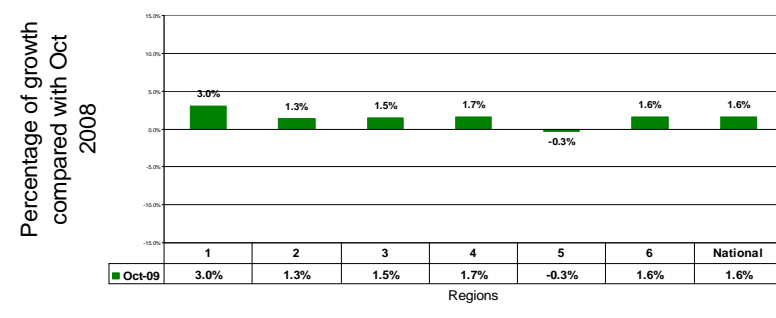
Regional Growth - Jun 2009  
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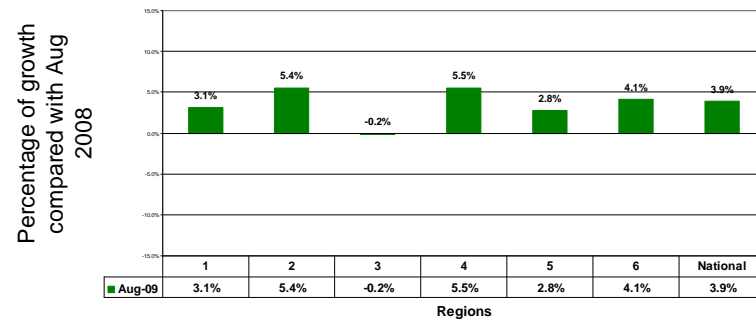
Regional Growth - Jul 2009  
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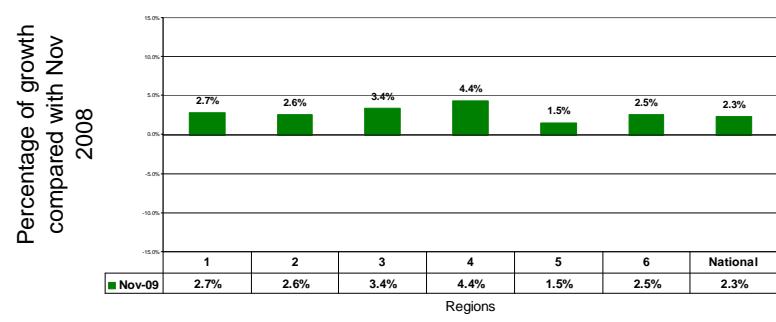
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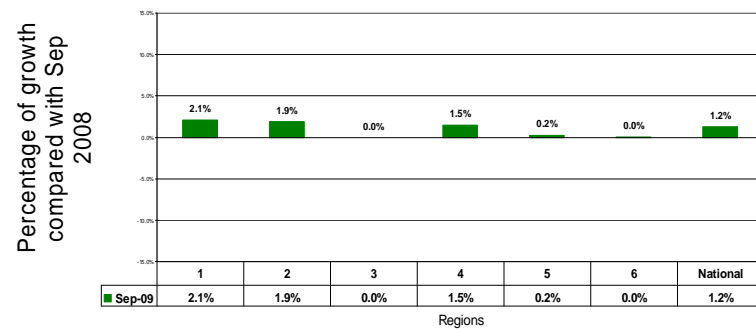
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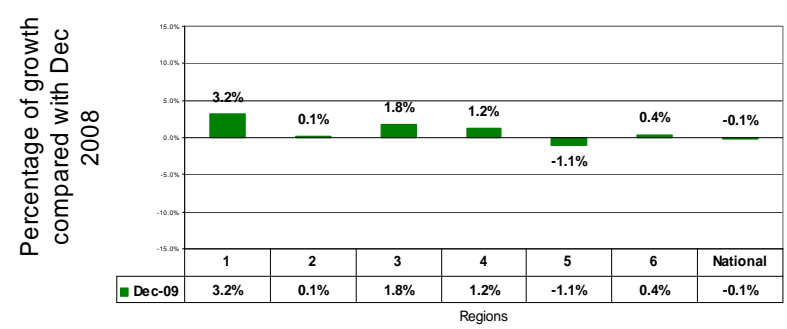
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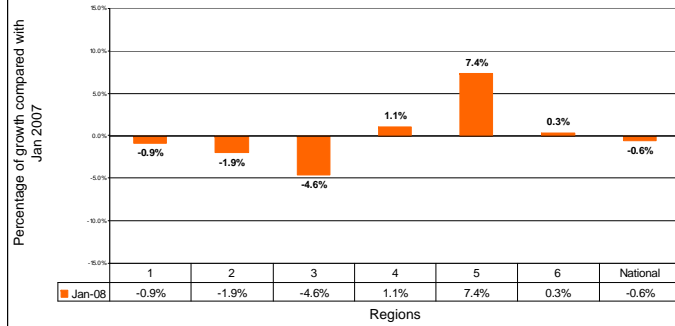
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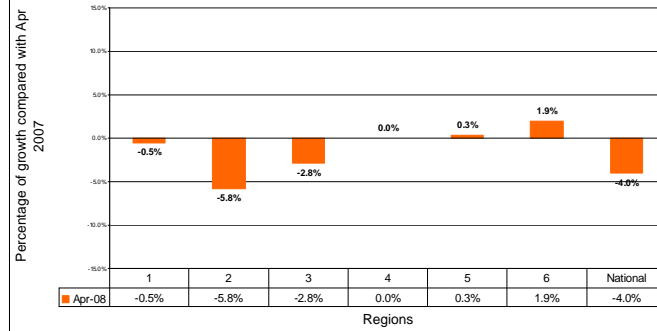
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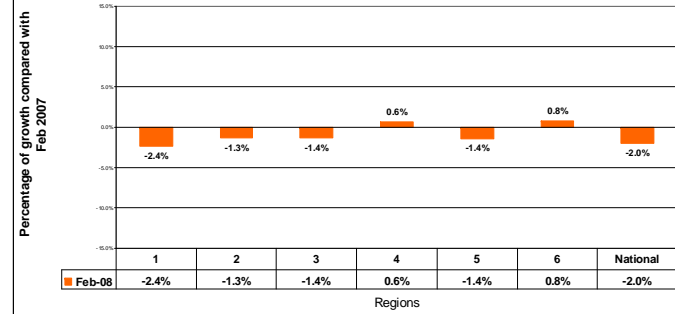
Regional Growth - Jan 2008  
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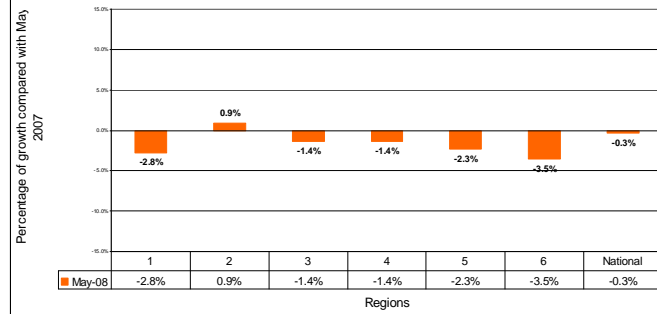
Regional Growth - Apr 2008  
All Vehicles



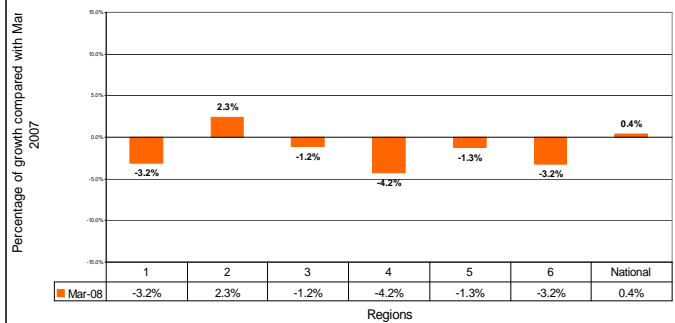
Regional Growth - Feb 2008  
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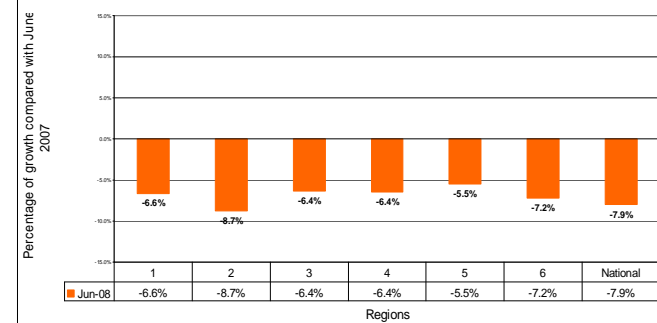
Regional Growth - May 2008  
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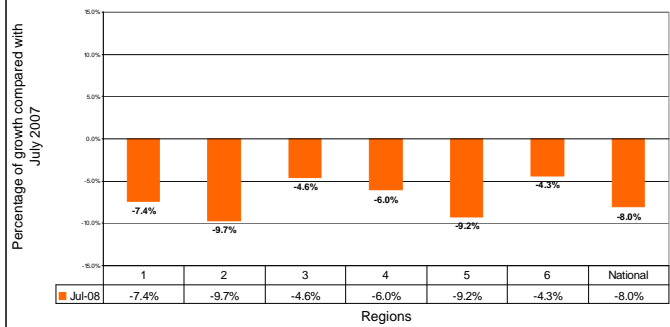
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All Vehicles



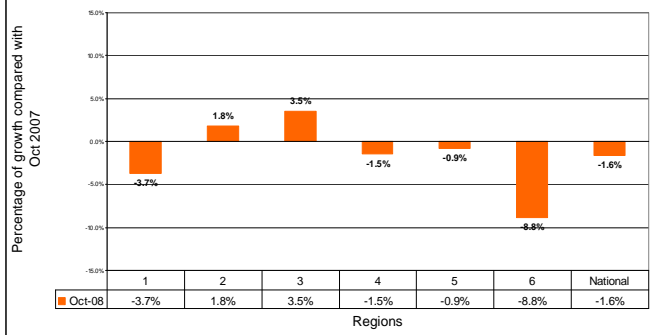
Regional Growth - June 2008  
All Vehicles



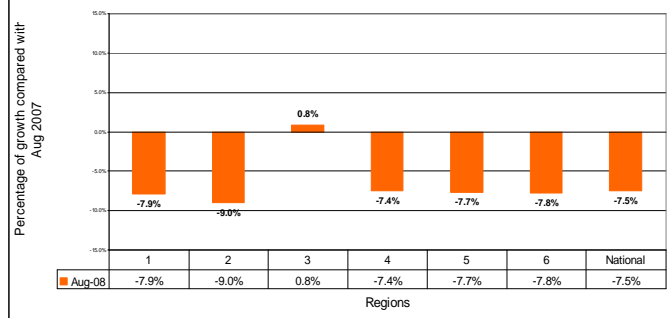
Regional Growth - July 2008  
All Vehicles



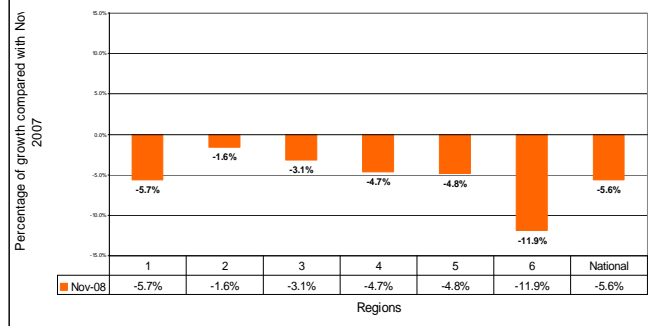
Regional Growth - Oct 2008  
All Vehicles



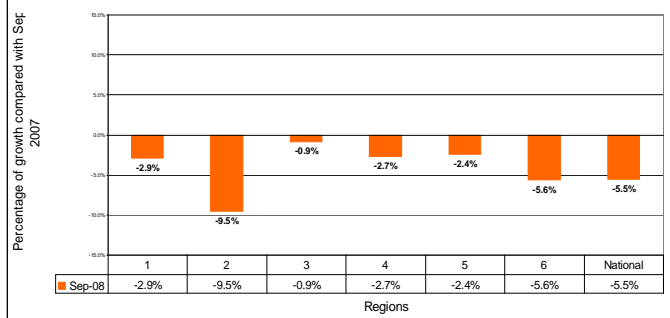
Regional Growth - Aug 2008  
All Vehicles



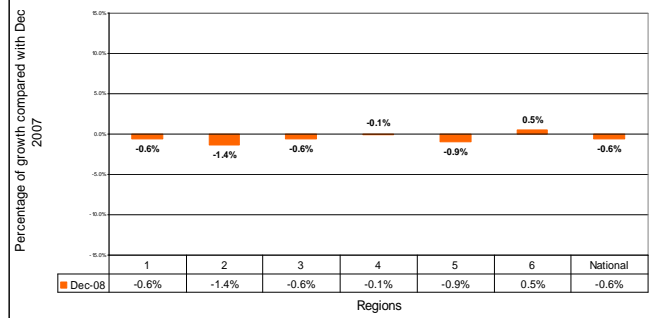
Regional Growth - Nov 2008  
All Vehicles

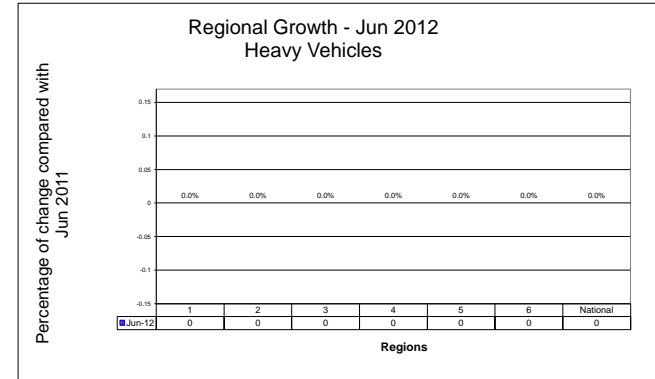
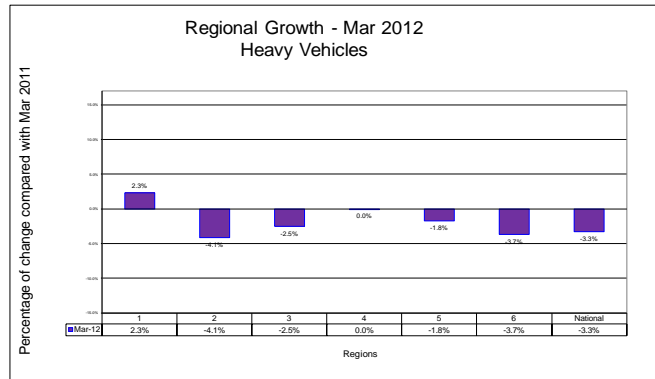
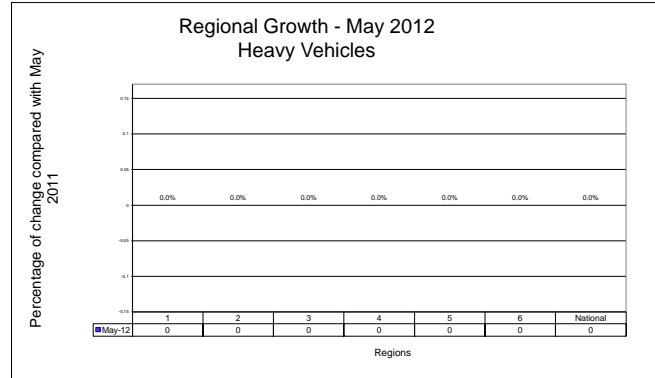
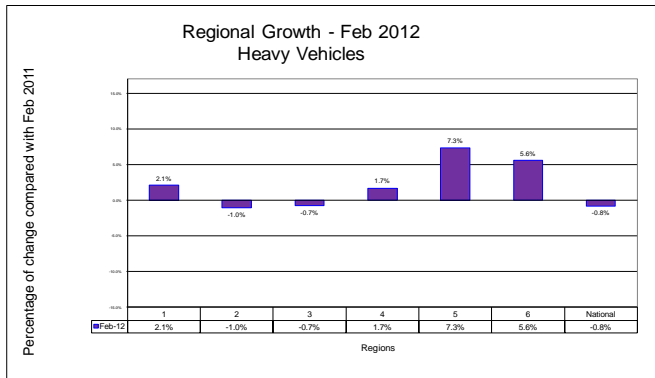
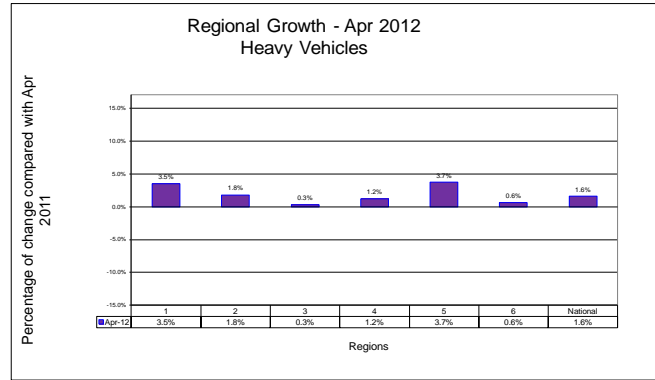
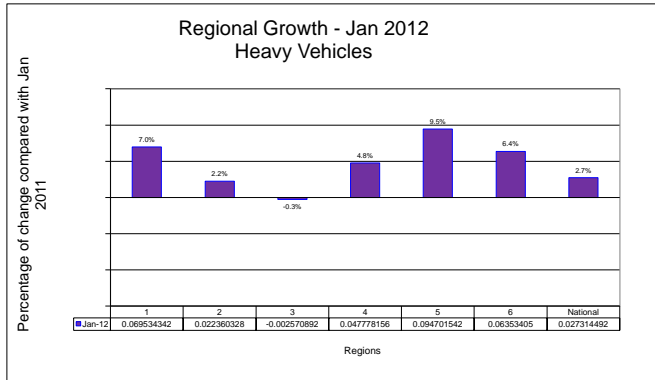


Regional Growth - Sep 2008  
All Vehicles

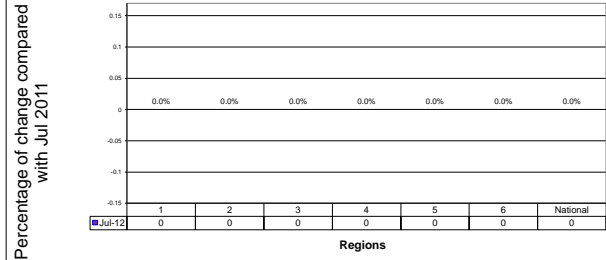


Regional Growth - Dec 2008  
All Vehicles

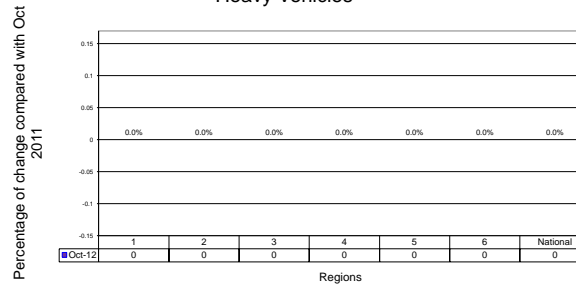




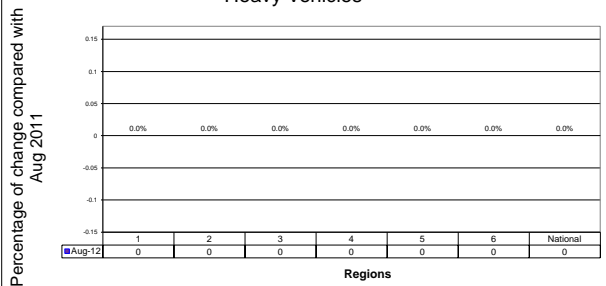
Regional Growth - Jul 2012  
Heavy Vehicles



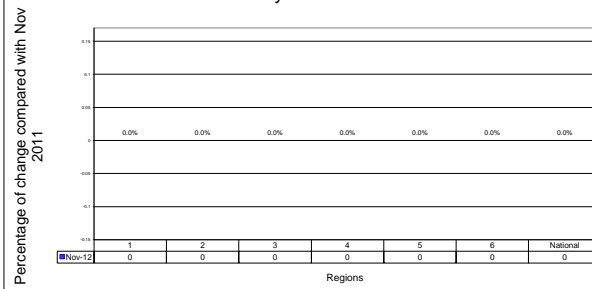
Regional Growth - Oct 2012  
Heavy Vehicles



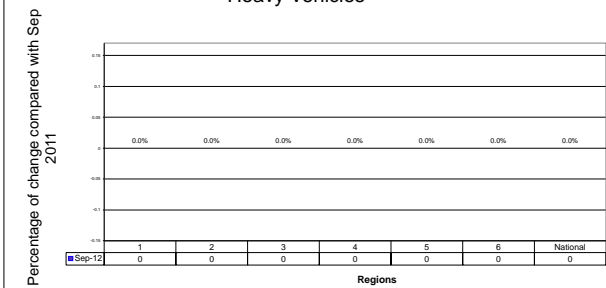
Regional Growth - Aug 2012  
Heavy Vehicles



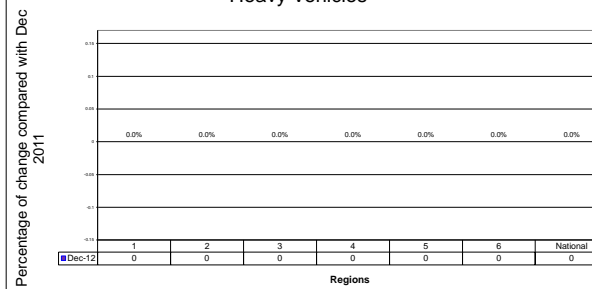
Regional Growth - Nov 2012  
Heavy Vehicles

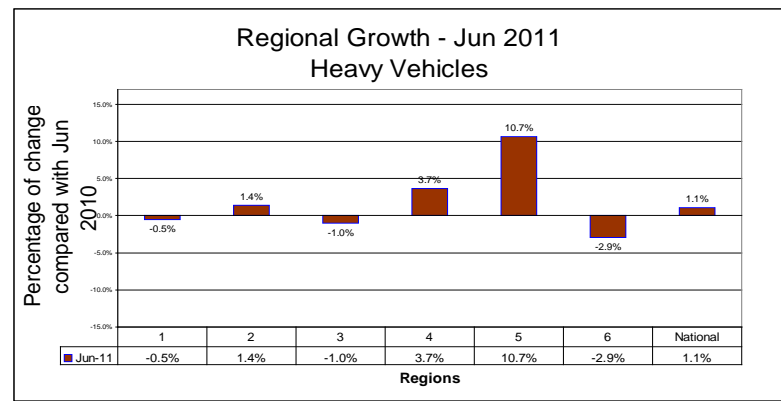
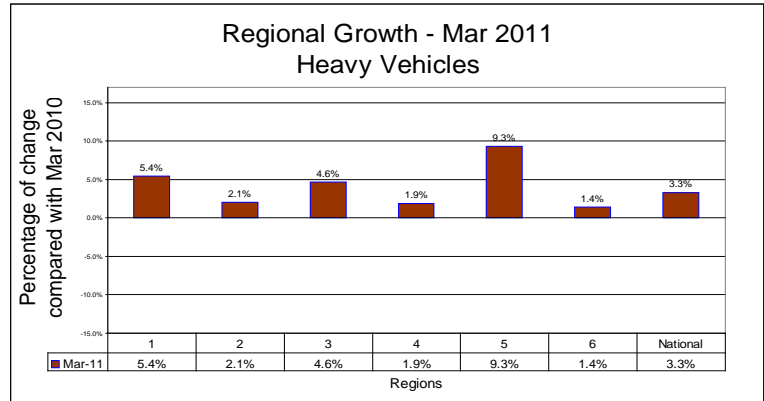
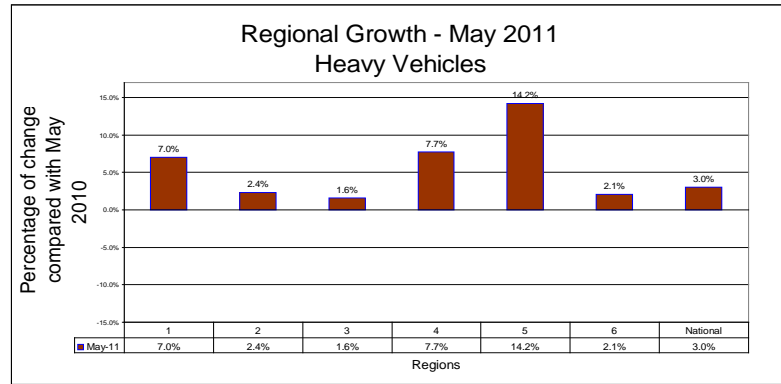
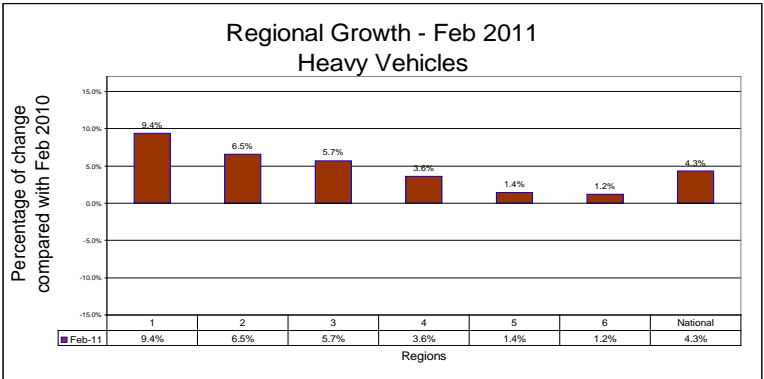
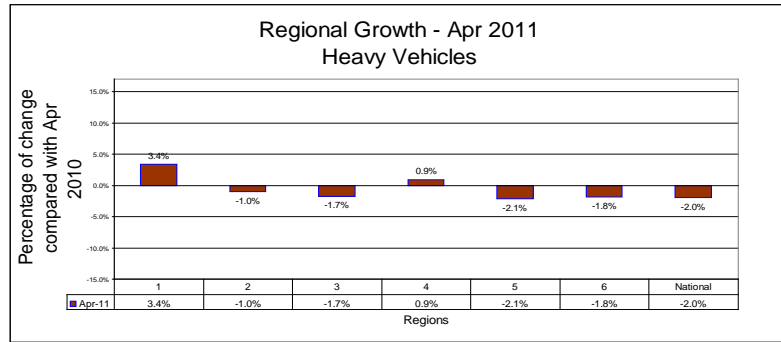
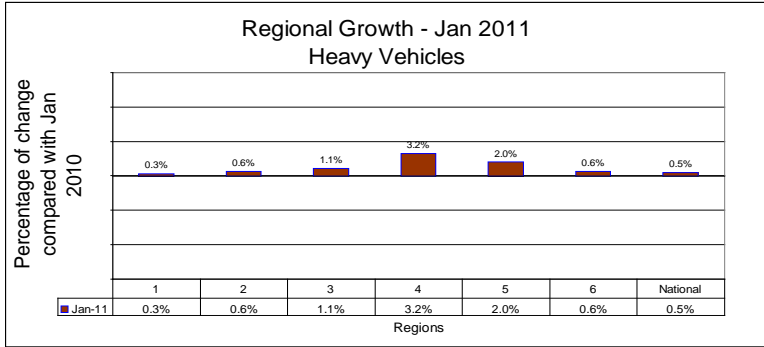


Regional Growth - Sep 2012  
Heavy Vehicles

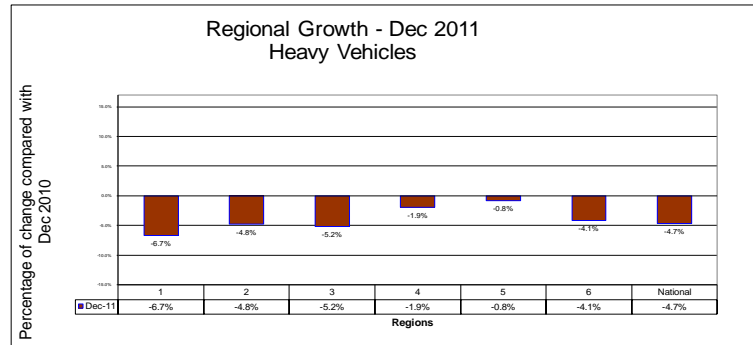
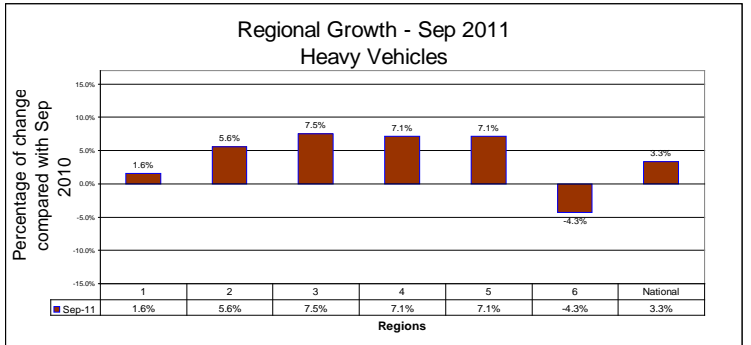
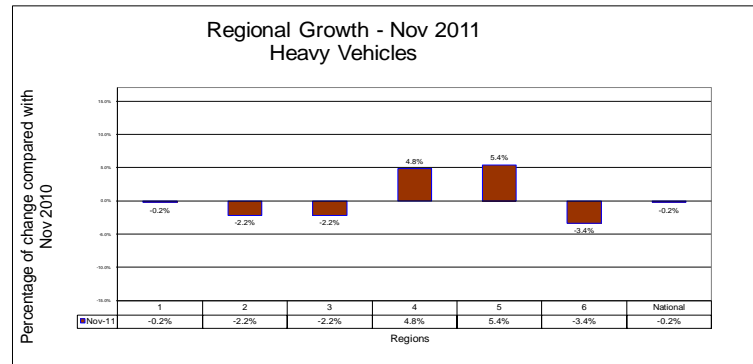
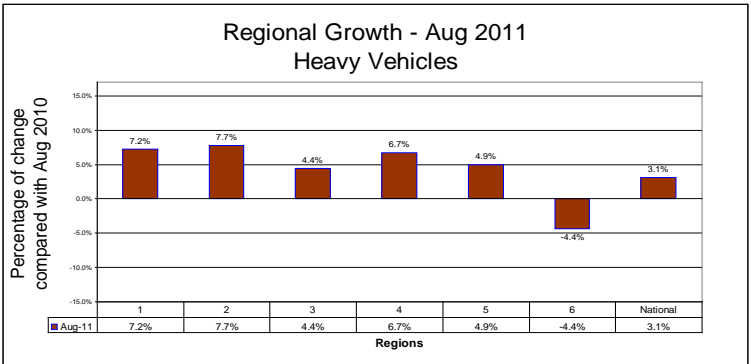
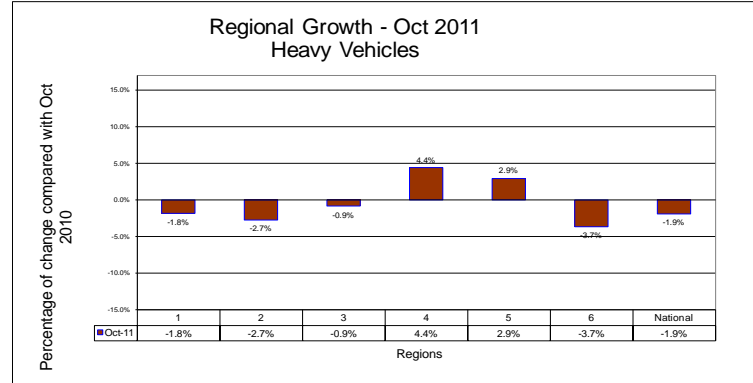
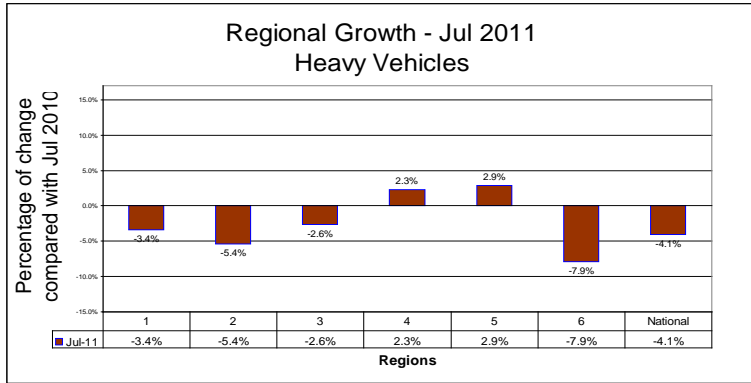


Regional Growth - Dec 2012  
Heavy Vehicles

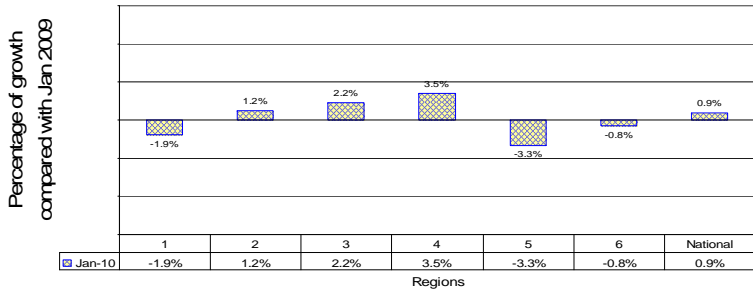




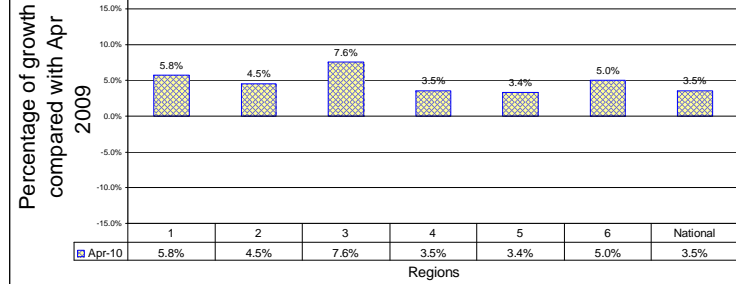




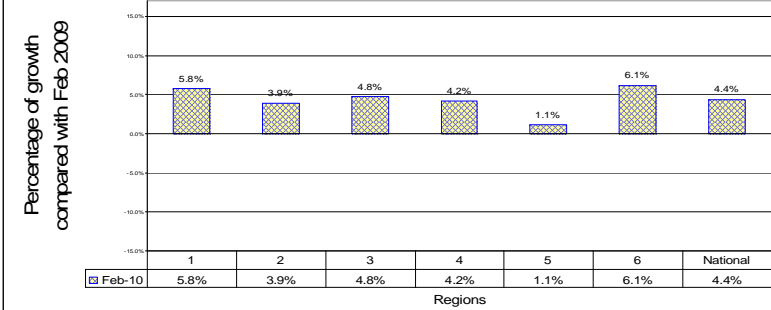
Regional Growth - Jan 2010  
Heavy Vehicles



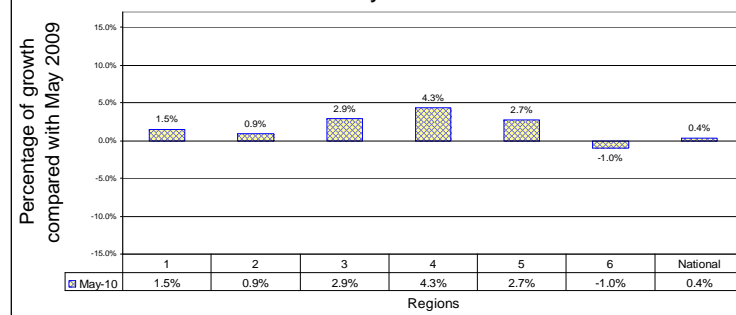
Regional Growth - Apr 2010  
Heavy Vehicles



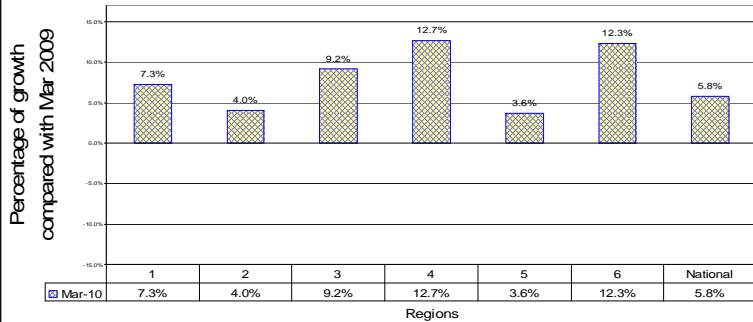
Regional Growth - Feb 2010  
Heavy Vehicles



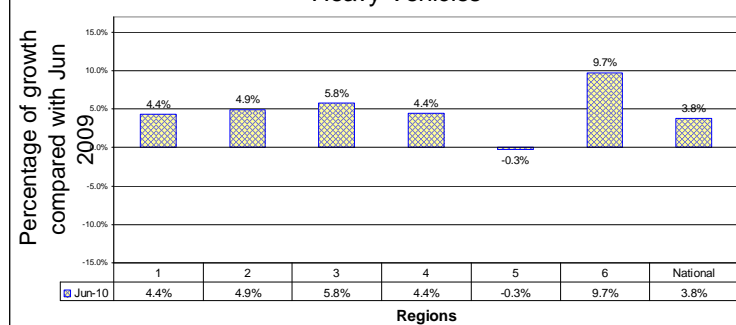
Regional Growth - May 2010  
Heavy Vehicles

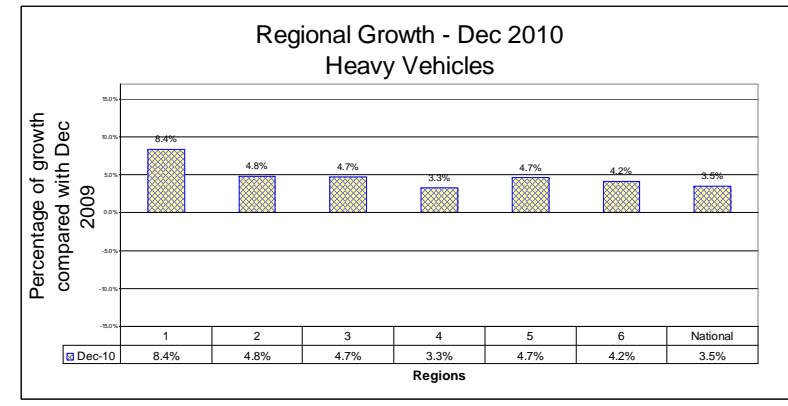
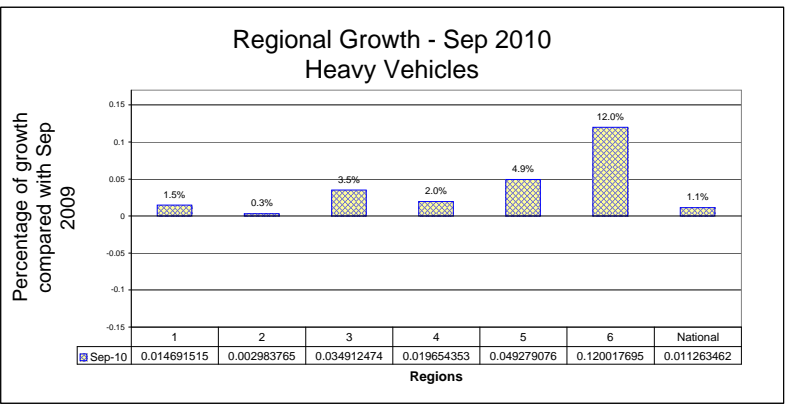
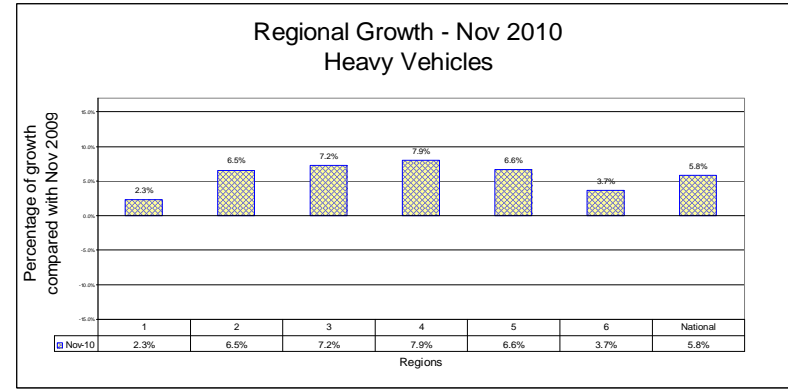
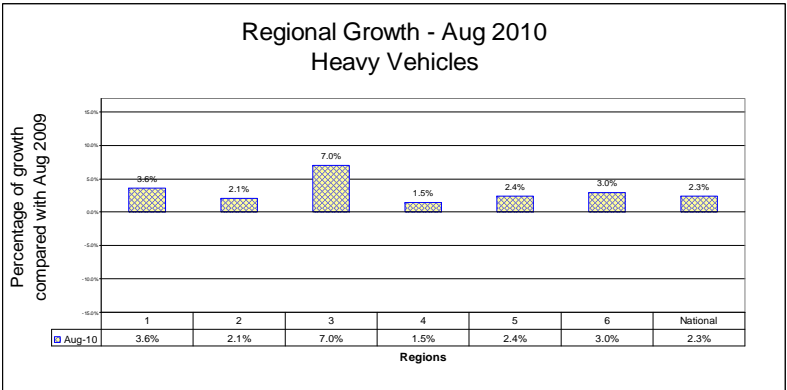
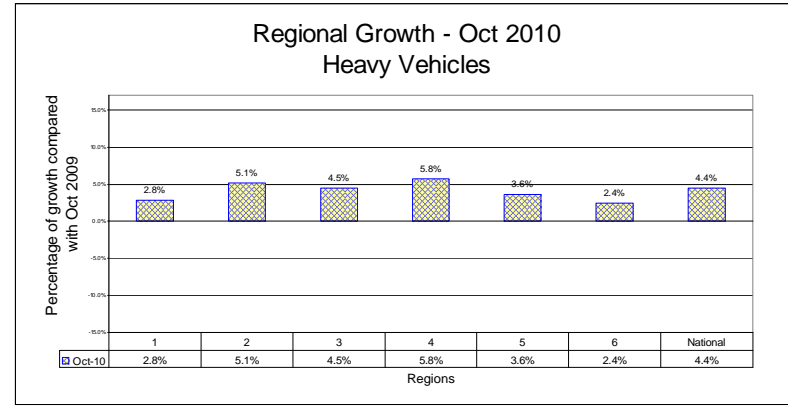
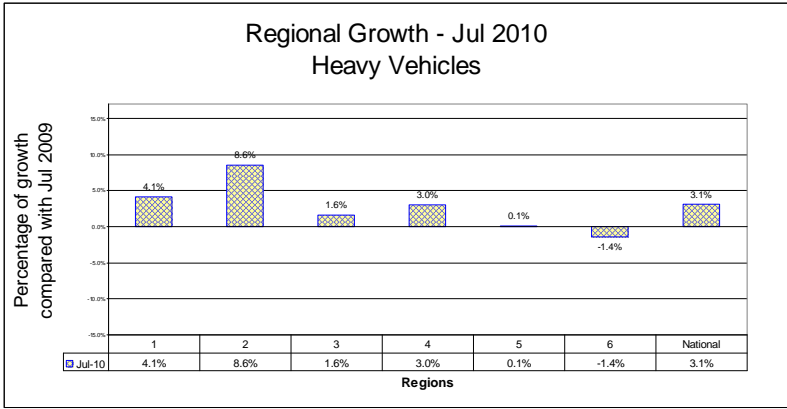


Regional Growth - Mar 2010  
Heavy Vehicles

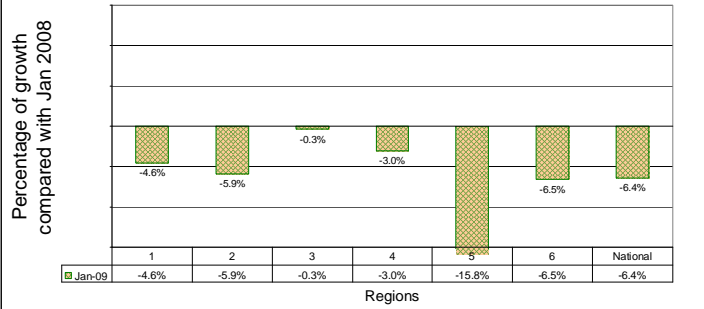


Regional Growth - Jun 2010  
Heavy Vehicles





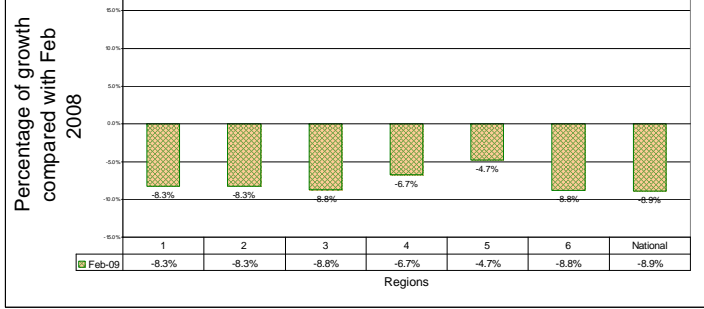
Regional Growth - Jan 2009  
Heavy Vehicles



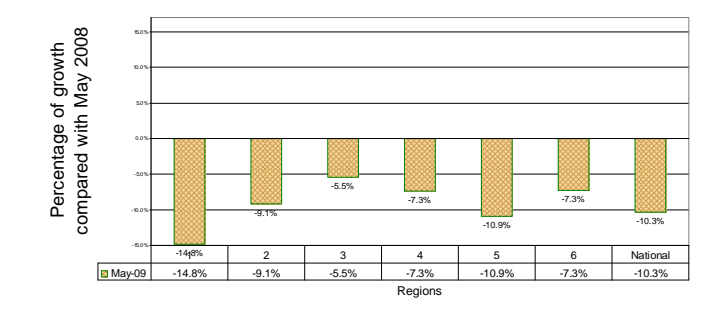
Regional Growth - Apr 2009  
Heavy Vehicles



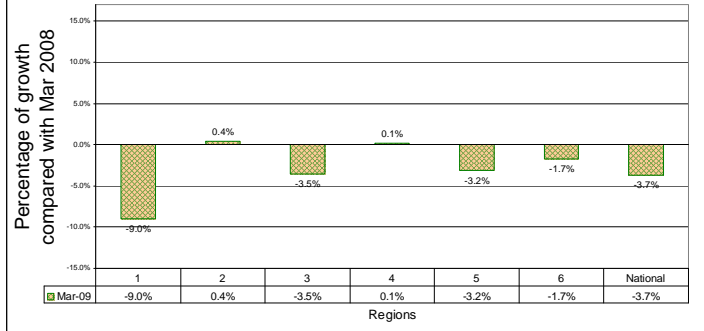
Regional Growth - Feb 2009  
Heavy Vehicles



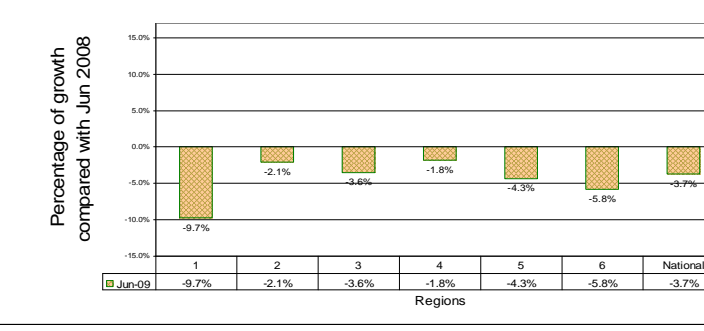
Regional Growth - May 2009  
Heavy Vehicles

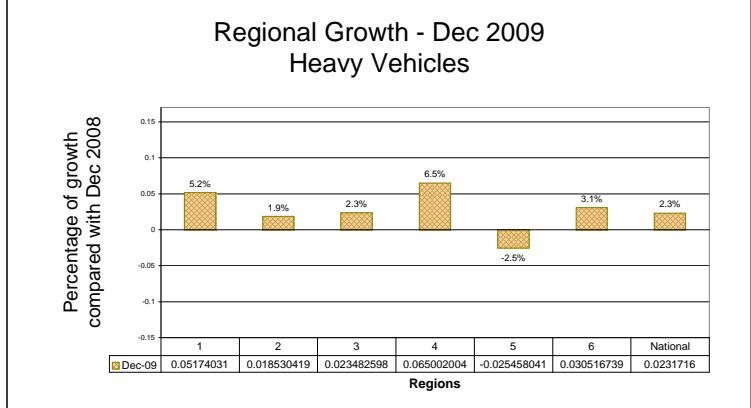
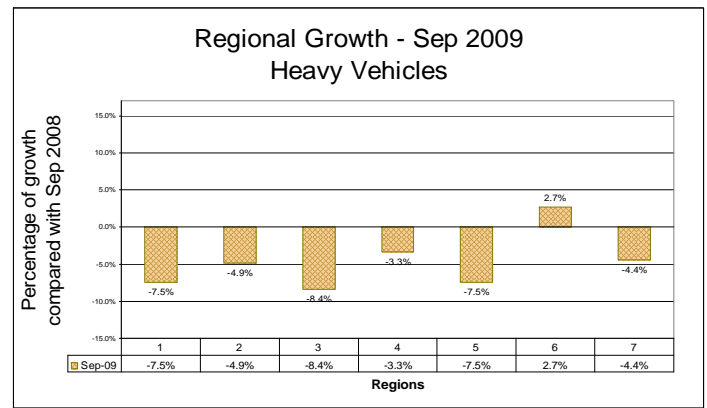
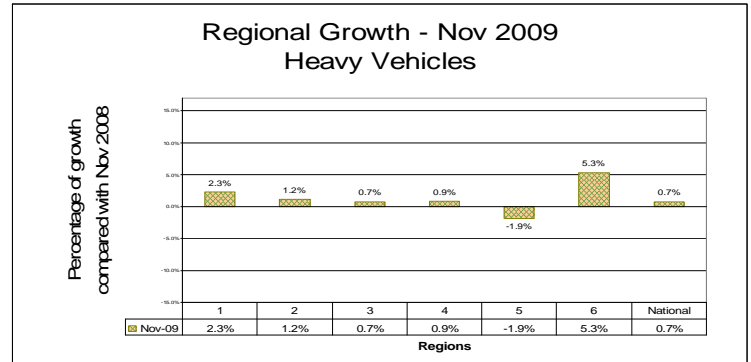
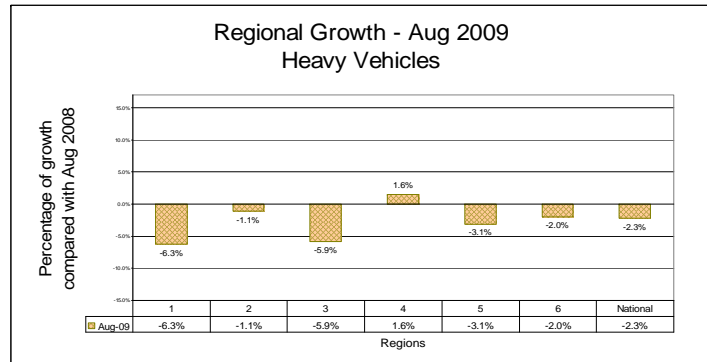
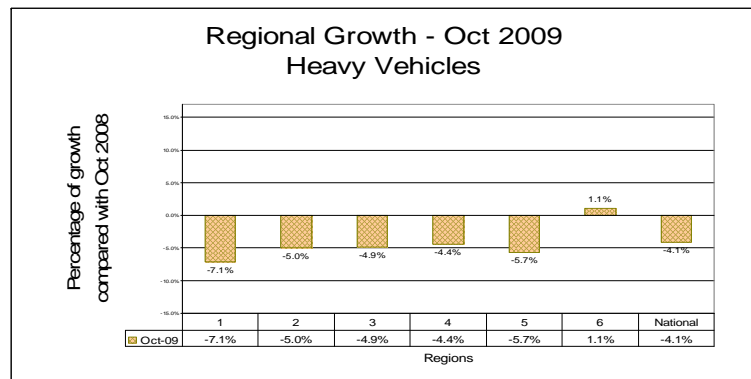
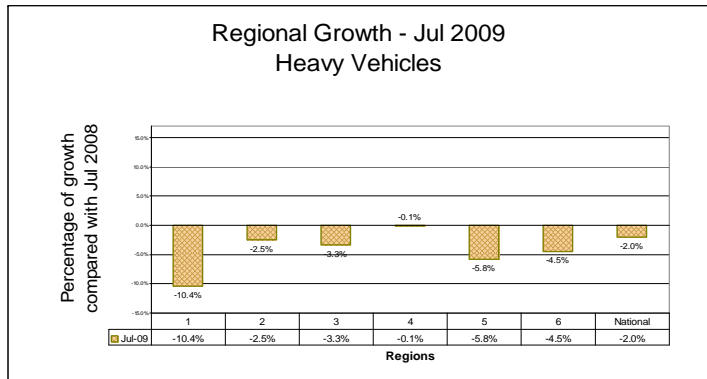


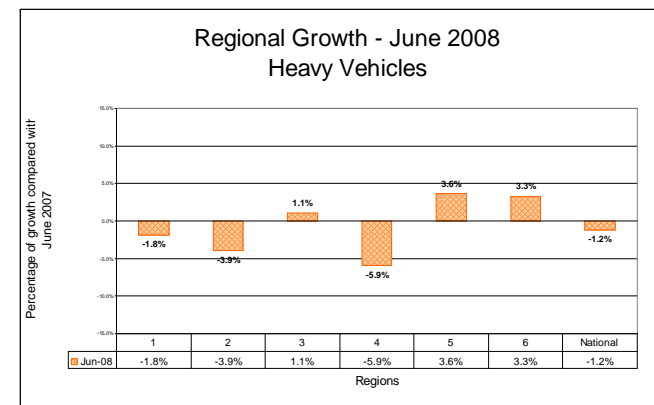
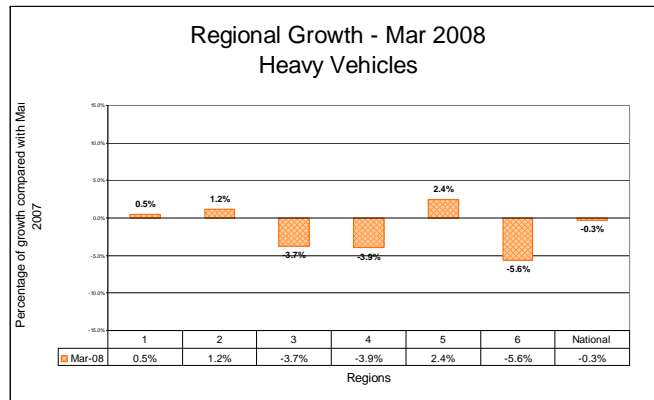
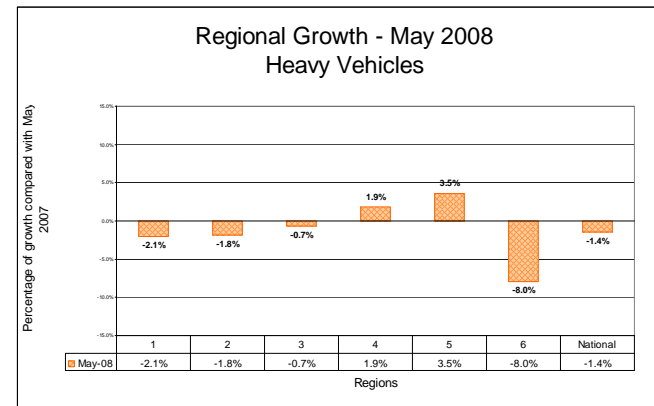
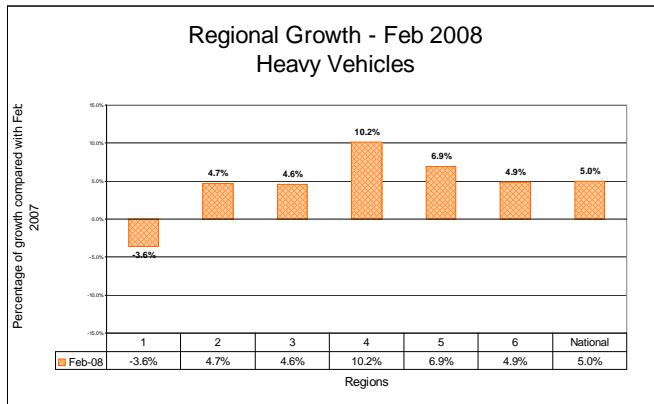
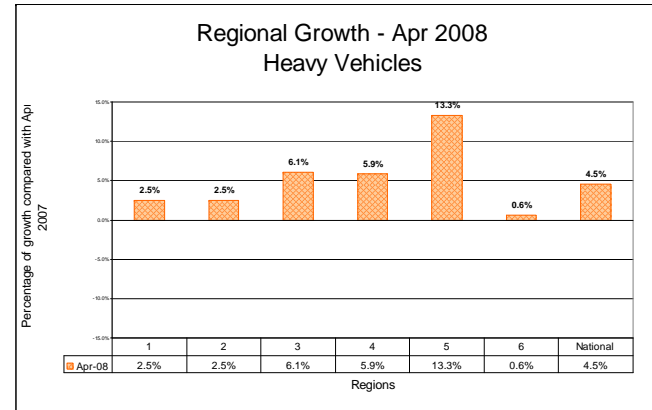
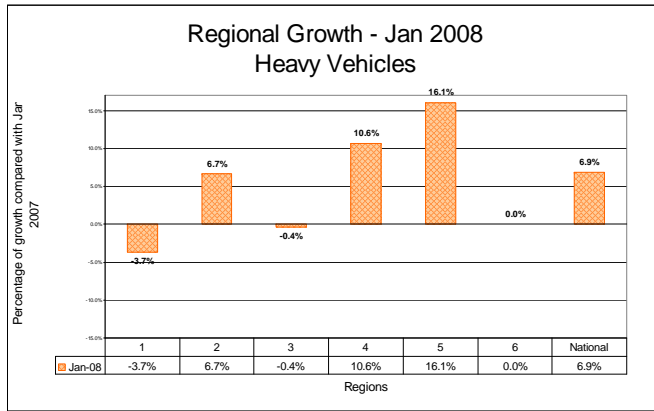
Regional Growth - Mar 2009  
Heavy Vehicles

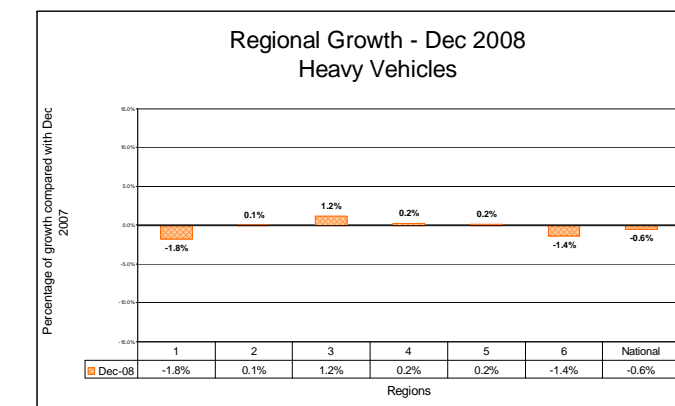
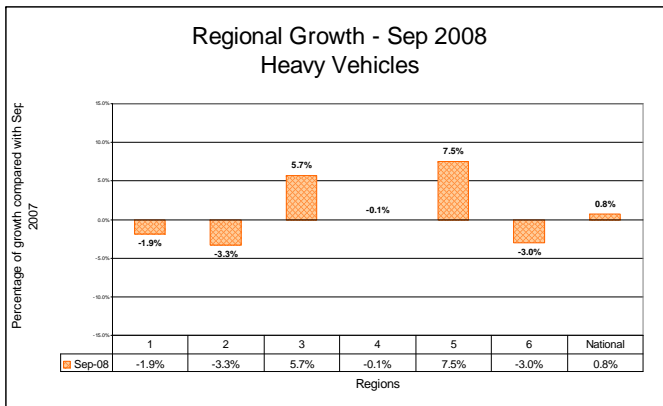
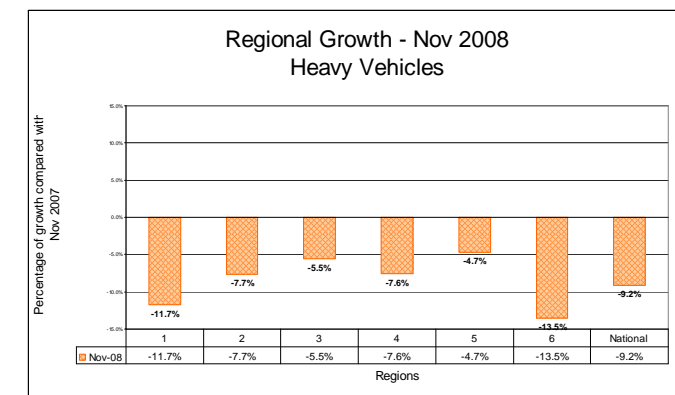
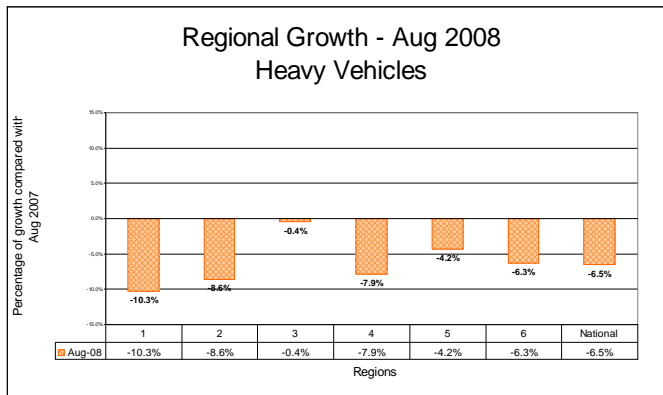
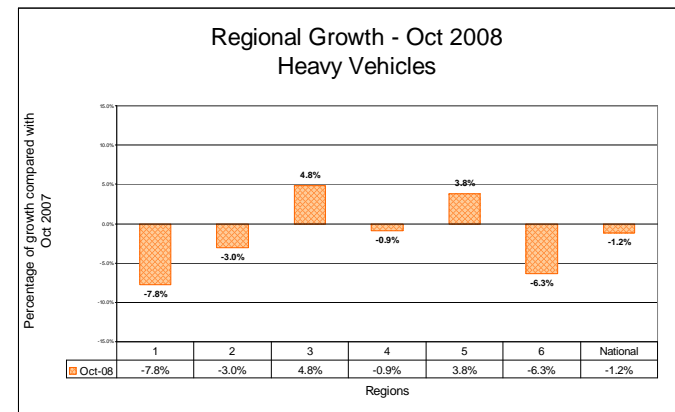
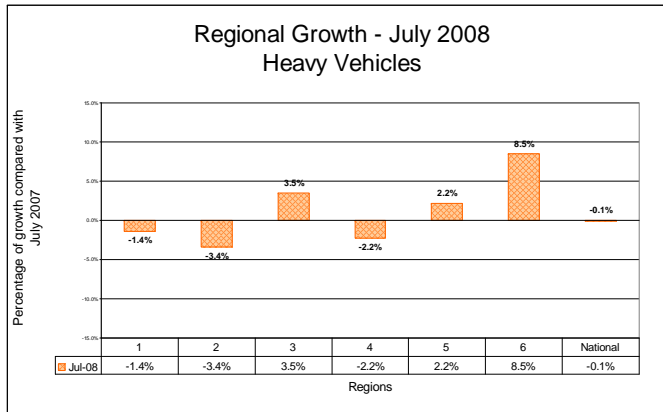


Regional Growth - Jun 2009  
Heavy Vehicles













### Telemetry Site MADT All Vehicles

NZTA Region	Site Ref	Description	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12
3	ID:00400133	HOROPITO	1873	1339	1598	2153	2277	1999	1974	1575	1754	1931	1805	1649	1870
3	ID:00400226	UPOKONGARO	1973	1689	1747	1771	1713	1745	1798	1876	1974	2036	1987	1943	1899
3	ID:01N00827	HIHITAHAI	4730	3425	3973	4218	3676	4058	4671	4263	4727	5147	4861	4260	4862
4	ID:01N11068	NGAURANGA - SH1 Sth Bound Lanes	21698	22405	22005	22313			22368	23225	21754	20108	23040	22763	21464
4	ID:00200895	CLAREVILLE - Nth of Whites Line	10496	10307	10189	9817	9874	10526	10887	11282	11429	10713	11414	11092	10594
4	ID:00200937	RIMUTAKA - Pukuratahi River Brg	5873	5170	5017	4951	4126		5927	5832	6026	6377	6653	5801	
4	ID:01N01036	PUKERUA BAY - (Piezo Axle Classification)	23541	22092	21615	22427	21921	22053	22922	23390	24480	23301	24341	23344	22915
4	ID:01N21068	NGAURANGA - SH1 Nth Bound Lanes	21615	22383	21886	22121	22270	22403	22251	23278	19050	19669	22947	22866	21339
4	ID:05800009	Pauatahanui East	13750	13571	13462	13189		13305	13481	14341	13952	12721	14256	14062	13509
4	ID:00210979	NGAURANGA - SH2 Sth Bound Lanes	20918	21928	21212	21344			21488	22623	20847	18873	22262	22227	20630
4	ID:00220979	NGAURANGA - SH2 Nth Bound Lanes	20709	21691	20955	21073	21380	21476	21254	22625	17798	18567	22049	22002	20425
4	ID:00210965	KELSON - SB	16832	17121	16818	16745	16521	17015	16902	17961	17080	15908	17926	17682	16994
4	ID:00220965	KELSON - NB	16171	16394	16171	16080	15806	16332	16141	17200	16551	14888	17087	17073	16396
4	ID:00600122	STOKE - Whakatu Drive at Songer St	20862	20373	19589	20028	20498	20484	20373	22179	21073	21532	22276	21314	19919
4	ID:00600232	MURCHISON	1945	1373	1392		1269	1429	1805	1803	2121		2231	1940	2095
4	ID:00600100	HIRA	3401	2766	2791		2736		3094	3296	3445	3802	3696	3432	3243
4	ID:06000040	SH60 Riwaka	3721	2887	2597	2488	2500	2656	3122	3638	4441	5685	4819	3939	3659
4	ID:01S00037	Blenheim	4158		3201		3168	3213	3358	3673	4294	4225	3955		3957
4	ID:06300096	ST ARNAUD	364	232	225		217	247	324	329	388	442	418	385	359
5	ID:01S00389	DUNSANDEL	10528	9199	9143	9711	8709	9555	10206	10636	11121	10649	10816	10447	10796
5	ID:01S00505	EVANS St Timaru	20369	19506	18770	19402	19134	19077	20313	21488	21390	19845	20461	20255	20008
5	ID:07300064	Springfield - West of Township	1646	1181	1170	1338	1412	1433	1536	1557	1598	1847	1646	1519	1703
5	ID:01S00144	KAIKOURA - Nth of Hapuku River	2614	1731	1914	2060	1768	1968	2383	2555	2750	3362	2903	2478	2589
5	ID:01S00522	ST ANDREWS	5960	5185	5166	5252	4822	5355	5658	5896	6148	5865	5947	5765	5991
5	ID:00700108	LEWIS PASS	1278	872	938	874	775	874	1173	1108	1285	1560	1337	1164	1293
5	ID:07409005	QE II Drive East Of Main Nth Rd			20675			20889	20052	21123	20375	17932		19148	16605
5	ID:01S00285	WAI PARA - (WIM Site)	7952	5924	6603	6564	5734	6636	7592	7598	8505	8924	8170	6999	
5	ID:01S10327	WAIMAKARIRI BRIDGE - SB	19587	22334	20625	19185	18994	20064	20435	21801	21029	20103	21715	21823	20591
5	ID:01S20327	WAIMAKARIRI BRIDGE - NB	18958	22009	20168	18465	18253	19389	19547	21044	20612	18786	20647	20975	19787
5	ID:00800059	FAIRLIE	2246	1582	1623	1827	1775	1737	1898	2089	2442	2707	2536	2352	2603
5	ID:00600454	CHESTERFIELD	2884	2454	2387	2349	2414	2582	2767	3004	3144	3268	3275	3024	2876
5	ID:00700239	AHAURA							1242	1309			1390	1354	1307
5	ID:00600398	PUNAKAIKI - Just Nth of Canoe Creek	1027	737	684						1116	1299	1287	1083	1004
6	ID:00800336	ALEXANDRA - Sth Near Butchers Dam	2255	1754	1741	1724	1719	1946	2113	2082	2324	2560	2402	2231	2338
6	ID:01S10713	BURNSIDE - Sth Bound	14610	15277	15211	14843	14950	15267	15207	16201	15593	13736	16031	15763	14996
6	ID:01S20713	BURNSIDE - Nth Bound	10010	10526	10464	10252	10325	10474	10391	11063	10595	9560	11014	10969	10361
6	ID:01S50713	BURNSIDE - On Ramp - Nth Bound	2338	2503	2489	2428	2458	2470	2436	2577	2525	2241	1502	2527	2391
6	ID:01S60713	BURNSIDE - Off Ramp - Sth Bound	3017	3385	3279	3082	3212	3247	3179	3511	3221	2909	1986	3425	3094
6	ID:01S40713	BURNSIDE - Off Ramp - Nth Bound	3125	3385	3278	3135	3198	3301	3323	3623	3324	2935	3455	3442	3204
6	ID:01S40714	Burnside - Nth Bound Off Ramp	2076	2265	2207	2119	2164	2243	2197	2392	2230	2026	2306	2285	2120
6	ID:01S00765	MILTON	6484	5682	5459	5370	5087	5783	6210	6549	6662	6464	6830	6515	6520
6	ID:06A00001	FRANKTON		15195	15746	16567	17027	16466	16037	17256	18230	18799	18404	18036	17754
6	ID:08500161	GALLOWAY	2007	1748	1727	1643	1683	1838	1807	1946	2175	2339	2174	1969	2022
6	ID:08800004	RAVENSBOURNE	8362	8366	8202	7777	8013	8409	8313	8958	8548	7689	8839	8815	8033
6	ID:01S00921	INVERCARGILL	10949	11328	11103	10782	11263	11219	10862	11828	11030	9339	11404	11853	10496
6	ID:00601147	WINTON	4540	4589	4346	4159	4326	4444	4360	4577	4825	4322	4757	4757	4488
6	ID:00601082	FIVE RIVERS	2022	1372	1278	1206	1168	1389	1661	1842	2180	2350	2370	2084	2022
6	ID:01S00854	GORE	4083	3860	3688	3655	3564	3684	3973	4265	4323	4101	4607	4267	4105
6	ID:09400141	TE ANAU	1181	732	615	510	615	753	927	1356	1436	1685	1599	1398	1358

## Telemetry Site MADT Heavy Vehicles

NZTA Region	Site Ref	Description	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12
1	ID:01N00212	KAWAKAWA	710	618	577	558	601	655	667	748	687	730	756		677
1	ID:01000029	Sth of Takou Bay Rd													
1	ID:01N00274	Nth of Maungakaramea Rd			1482	1451	1483	1510	1543	1679	1525	1862	1815	1689	
1	ID:01200220	East of Brynderwyn Brg 161			357	304	314	403	419	482			297	274	
1	ID:01700006	HATFIELDS BEACH	220	200	180	183	193	199	211	233	223	245	257	234	188
1	ID:01N10459	DRURY - SB (Park Estate)	2480	2472	2339	2186	2306	2323	2307	2627	2489	2308	2600	2700	2511
1	ID:01N20459	DRURY - NB (Park Estate)	2388	2368	2234	2100	2203	2205	2210	2502	2320	2246	2486	2581	2421
1	ID:01N00336	WELLSFORD - Nth of Mangawhai Rd	947	860	819	763	837	880	919	1006	935	1056	1060	1001	948
1	ID:01N10474	BOMBAY- SB	1994	1942	1515	1783	1866	2000	2136	2370		2296	2316	2327	2198
1	ID:01N20474	BOMBAY - NB	2060	1995	1935	1838	1922	2043	2219	2425		2418	2395	2398	2312
1	ID:01N00388	ALPURT	1284	1170	1102	1065	1117	1139	1206	1344	1290	1435	1384	1285	1278
1	ID:02000006	SH20 Puhinui Rd to Massey Rd	3108	3164	2981	2750	3100	3084	2947	3525	3251	2891			3145
2	ID:00200002	MAUNGATAWHIRI - West of Grahams Brg	1739	1682	1594	1497	1558	1676	1718	1832			1668	1782	1770
2	ID:25A00024	HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	251	190	194	195	199	217	250	284	315	369	287	261	277
2	ID:02700011	KAIHERE	929	861	816	750	797	866	871	957	863	822	935	967	870
2	ID:01N00526	TAUPIRI - Nth of Gordonton Rd	2079	2008		1940	2102	2157	2145	2397	2169	2016	2260	2251	2107
2	ID:01N00620	LICHFIELD - Sth of Baldwin Rd	1464	1371	1333	1232	1312	1437	1466	1564	1437	1334	1545	1652	1495
2	ID:00300085	TE KUITI - Nth of 8 Mile Junction	682	670	599	590	637	665	675	760	671	655	737	735	713
2	ID:03200074	West of Taupo	99	93	121	97	105	122	126	145	103	102	121	104	89
2	ID:01N00580	KARAPIRO	1544	1453	1330	1254	1483	1472	1512	1667	1626	1585	1755	1727	1649
2	ID:00200091	WAIHI - East of Samson Rd West	812	760	730	686	733	746	767	854	791	808	854	861	826
2	ID:01N00729	HALLETTS BAY	818	748	737	665	663	759	750	826	744	822	888	843	756
2	ID:01N00628	TOKOROA - (WIM Site)	1292	1255	1136	1193	1337	1504	1504	1606	1473	1416	1595		
2	ID:01N90552	GREENWOOD	1744	1733	1695	1540	1709	1665	1637	1830	1686	1552	1814	1765	1578
2	ID:00200141	TE PUNA - West of Snodgrass	1193	1252	1134	1012	1111	1126	1099	1260	1121	1087	1212	1236	1244
2	ID:03010149	TE NGA - East End of Puarenga Brg (Inc)	966	935	901	887	962	962	927	1068	946	927	1022	1068	957
2	ID:03020149	East end of Puarenga Brg (Dec)	1002	963	952	888	936	944	900	1081	925	951	1039	1128	1028
2	ID:00200204	OHINEPANEA - West of Rogers Rd	759	738	706	664	722	824	770	861	758	719	811	723	783
2	ID:03000188	LAKE ROTOMA	306	287	289	288	310	310	309	351	301	346	372	340	349
2	ID:03300030	Sth of Maungarangi Rd Paengaroa	582	571	540	490	545	547	553	618	559	571	613	610	599
2	ID:00500034	TARUKENGA - 4.7km West of Dalbeth Rd	649	575	553	547	583	576	609	682	626	651	682	634	628
2	ID:02900034	KAIMAI - 100m past Boulder Brg (Kaukumoutiti Stream)	1268	1161	1145	1070	1201	1258	1270	1408	1344	1243	1424	1395	1365
2	ID:00500057	WAIPA - Sth of SH30	894												
2	ID:00200176	TE PUKE - (WIM Site)	2167		1855	1662	1848		1802	2022	1699	1652	1975	1885	
2	ID:00200242	AWAKERI	717		614	568	574	648	566	709	608	619	745	706	797
3	ID:00200428	ORMOND	260	258	261	241	210	229	227	258	222	257	379	244	205
3	ID:03500320	OKITU (New location from April 2012)	323	286	285	240	273	285	293	359	292	322	425	367	384
3	ID:00200627	TANGOIO	335	373	363	338	346	358	348	411	351	419	440	491	350
3	ID:00500230	TE POHUE -1km Nth of Oakmere Station Gateway	534		451	467	472	525	483	573	460	458	583	694	564
3	ID:05000010	Nth of Tutaekuri River	1558	1410		1205	1269	1341	1242	1418			1547	1588	1432
3	ID:00300171	TONGAPORUTU Brg	393	381	358	348	399	410	433	488	402	464	457	440	428
3	ID:00300267	TARIKI	968	901	780	803	960	1008	1034	1134	1008	987	1063	1097	1048
3	ID:00300370	WAITOTARA	646	578	423	414	571	561	598	671	614	565	599	642	672
3	ID:04500101	OHAWA BEACH Rd	388	306	216	235	370		605	584	530	501	497	463	434
3	ID:01N00930	SANSON	1598	1496	1357	1258	1372	1470	1501	1638	1557	1477	1636	1646	1552
3	ID:01N00988	OHAU	1509	1430	1383	1315	1366	1411	1401	1496	1444	1376	1559	1494	1388
3	ID:00200755	NORSEWOOD	677	569	541	493	525	603	580	618	566	621	698	704	653
3	ID:00300489	MANAWATU GORGE	861	776	707	642	723								
3	ID:00400133	HOROPITO	295	276	277	275	297	294	270	288	259	285	325	317	296
3	ID:00400226	UPOKONGARO	151	136	146	138	138	139	133	195	155	184	175	181	163

## Telemetry Site MADT Heavy Vehicles

NZTA Region	Site Ref	Description	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12
3	ID:01N00827	HIHITAH	885	824	864	784	740	830	883	967	839	829	993	1004	914
4	ID:01N11068	NGAURANGA - SH1 Sth Bound Lanes	557	588	556	571			744	818	735	709	813	765	710
4	ID:00200895	CLAREVILLE - Nth of Whites Line	589	546	497	463	506	600	606	660	588	569	686	670	600
4	ID:00200937	RIMUTAKA - Pukuratahi River Brg	346	333	302	278	251		335	391	342	359	401	380	
4	ID:01N01036	PUKERUA BAY - (Piezo Axle Classification)	1812	1803	1695	1641	1745	1794	1732	1874	1769	1619	1896	1871	1738
4	ID:01N21068	NGAURANGA - SH1 Nth Bound Lanes	688	710	688	703	701	703	697	766	586	668	769	740	671
4	ID:05800009	Pauatahanui East	613	673	656	641		659	630	707	666	619	738	668	551
4	ID:00210979	NGAURANGA - SH2 Sth Bound Lanes	707	750	706	700			870	963	824	800	891	883	810
4	ID:00220979	NGAURANGA - SH2 Nth Bound Lanes	723	771	722	708	755	780	756	865	567	694	778	762	692
4	ID:00210965	KELSON - SB	668	693	661	634	648	672	646	754	672	643	777	760	699
4	ID:00220965	KELSON - NB	569	590	558	548	555	587	562	646	600	546	663	699	669
4	ID:00600122	STOKE - Whakatu Drive at Songer St	1341	1297	1038	1141	1239	1252	1167	1349	1168	1291	1355	1415	1273
4	ID:00600232	MURCHISON	289	247	224		237	258	293	320	314		349	328	310
4	ID:00600100	HIRA	480	406	408		440		430	501	453	495	533	522	479
4	ID:06000040	SH60 Riwaka	270	202	172	145	165	176	193	254	253	312	308	291	261
4	ID:01S00037	Blenheim	864		506		531	577	589	649	580	637	669		714
4	ID:06300096	ST ARNAUD	40	35	29		30	32	39	41	38	41	46	43	39
5	ID:01S00389	DUNSANDEL	1440	1324	1190	1245	1227	1434	1496	1627	1562	1554	1632	1554	1484
5	ID:01S00505	EVANS St Timaru	1560	1410	1227	1163	1306	1356	1561	1706	1485	1494	1638	1619	1539
5	ID:07300064	Springfield - West of Township	207	174	150	116	162	180	192	215	202	241	216	196	191
5	ID:01S00144	KAIKOURA - Nth of Hapuku River	516	422	421	422	429	473	480	534	478	538	559	532	486
5	ID:01S00522	ST ANDREWS	947	839	716	672	758	884	926	975	912	963	1006	985	952
5	ID:00700108	LEWIS PASS	193	168	158	141	152	166	191	193	192	237	215	201	193
5	ID:07409005	QE II Drive East Of Main Nth Rd			792			629	592	707	611	557		592	500
5	ID:01S00285	WAIPARA - (WIM Site)	1044	1031	1020	959	986	1191	1219	1344	1271	1377	1413	1273	
5	ID:01S10327	WAIMAKARIRI BRIDGE - SB	1168	1317	1140	1017	1074	1256	1274	1406	1238	1271	1419	1386	1316
5	ID:01S20327	WAIMAKARIRI BRIDGE - NB	1100	1283	1088	942	997	1150	1156	1289	1203	1135	1287	1264	1208
5	ID:00800059	FAIRLIE	258	194	171	149	168	199	224	276	303	336	318	302	318
5	ID:00600454	CHESTERFIELD	314	251	200	188	230	324	373	397	377	378	380	342	325
5	ID:00700239	AHAURA							205	235			195	195	178
5	ID:00600398	PUNAKAIKI - Just Nth of Canoe Creek	102	73	57	57	72	90	101	113	105	110	118	109	103
6	ID:00800336	ALEXANDRA - Sth Near Butchers Dam	202	185	159	150	167	186	195	209	236	273	257	239	224
6	ID:01S10713	BURNSIDE - Sth Bound	786	832	755	702	736	837	840	900	834	831	952	923	837
6	ID:01S20713	BURNSIDE - Nth Bound	695	667	590	532	570	659	670	710	643	664	742	729	641
6	ID:01S50713	BURNSIDE - On Ramp - Nth Bound	118	127	113	117	112	113	111	123	111	106	68	131	128
6	ID:01S60713	BURNSIDE - Off Ramp - Sth Bound	200	201	194	179	184	191	192	206	187	174	122	216	195
6	ID:01S40713	BURNSIDE - Off Ramp - Nth Bound	191	138	126	112	113	124	129	146	140	129	155	158	148
6	ID:01S40714	Burnside - Nth Bound Off Ramp	72	68	66	64	64	71	70	71	64	64	79	75	70
6	ID:01S00765	MILTON	814	765	621	556	599	786	868	928	890	915	953	921	836
6	ID:06A00001	FRANKTON		737	695	756	792	813	817	939	957	1127	1386	987	892
6	ID:08500161	GALLOWAY	137	117	110	95	105	114	111	126	127	148	152	144	135
6	ID:08800004	RAVENSBOURNE	496	504	424	354	389	454	465	555	487	491	549	513	490
6	ID:01S00921	INVERCARGILL	337	341	339	325	374	375	366	395	343	304	376	383	336
6	ID:00601147	WINTON	470	427	361	324	409	454	442	434	476	453	518	515	471
6	ID:00601082	FIVE RIVERS	242	164	122	106	127	143	170	227	238	249	246	227	207
6	ID:01S00854	GORE	518	478	365	340	405	478	533	573	560	554	628	596	540
6	ID:09400141	TE ANAU	129	78	65	48	66	81	104	160	156	175	172	161	156