



## Traffic Volumes Monthly Report July 2012

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#### Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	8/08/2012	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 July 2012, compared with July 2011, the monthly average daily traffic (MADT) for all vehicles increased by 1.1%; the MADT for heavy vehicles increased by 5.1%.

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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 102 telemetry<sup>1</sup> sites in use on the state highway network to provide this traffic data.

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

<b>NZ Transport Agency Region</b>	<b>Number of Telemetry Sites</b>
Northland and Auckland	17
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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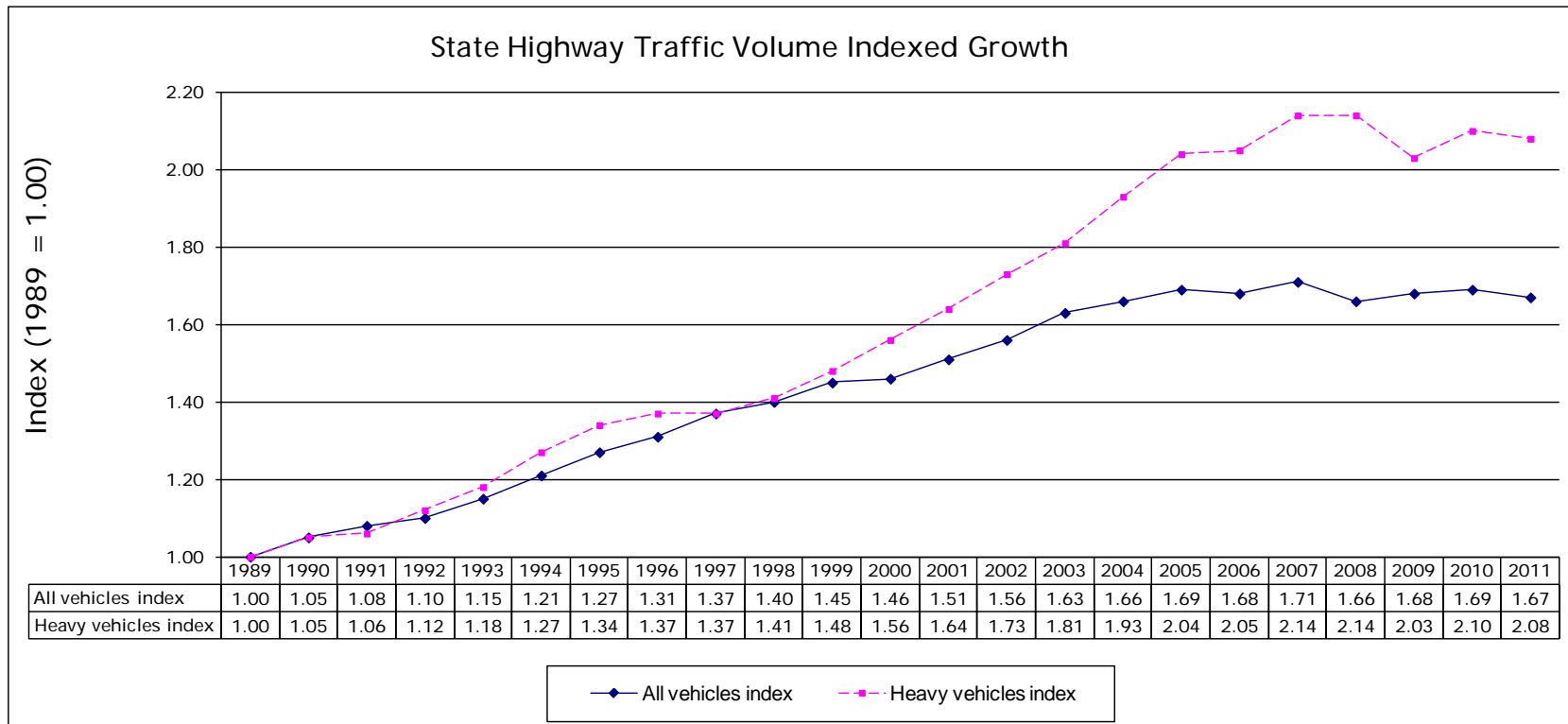
<sup>1</sup> Telemetry sites are continuously monitored 24/7.

# Key Results

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

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

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



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**Results:  
Monthly  
traffic at key  
sites**

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

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

Note the MADT values include all vehicles.

Site	City	MADT (All Vehicles) July- 11	MADT (All Vehicles) July- 12	% Change
Auckland harbour bridge (SH1)	Auckland	152928	155170	1%
Greenwood (SH1)	Hamilton	21486	22145	3%
Ngauranga Interchange (SH 1 and SH2 combined)	Wellington	26151	25434	-3%
Waimakariri Bridge	Christchurch	38541	39749	3%
Burnside	Dunedin	26151	25434	-3%

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

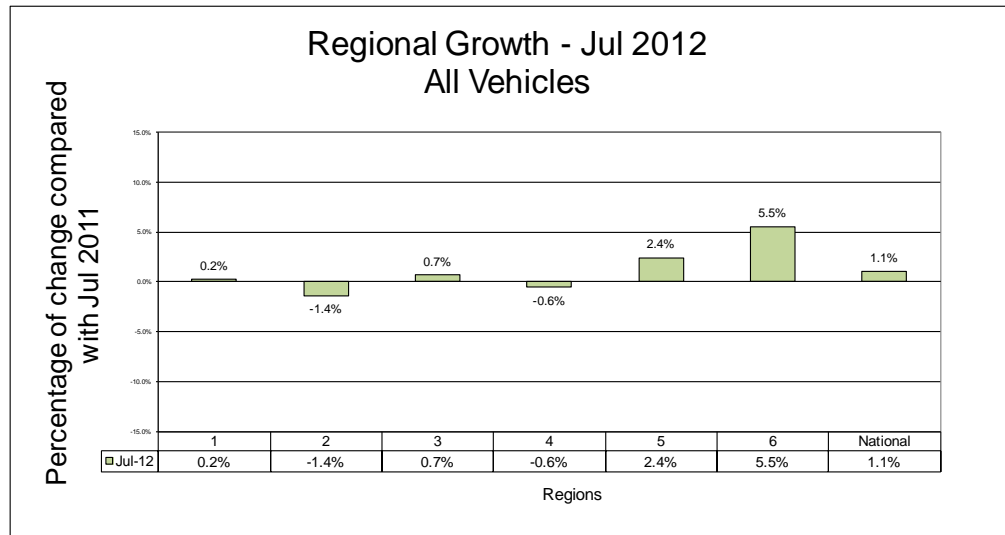
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# Results: All Vehicles

## 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 July 2012, region5 and region6 had an increase, while the other regions remained at the same level or a small decrease. Nationally, the MADT for all vehicles increased by 1.1%, compared with July 2011.



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

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

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

## More graphs

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

## All sites

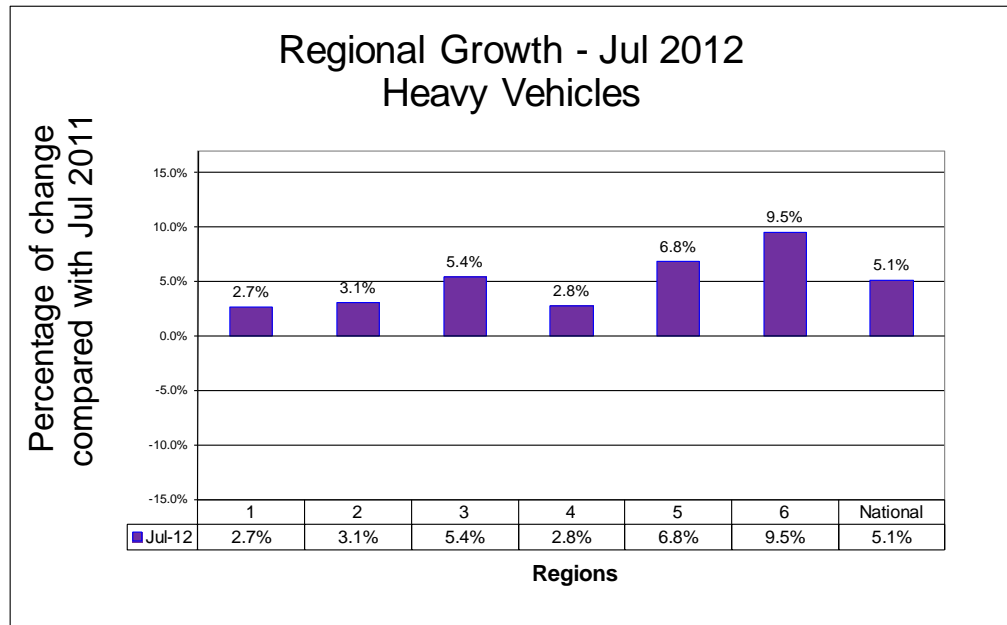
A table of MADT (all vehicles) values for all national telemetry sites is attached to this report.

# Results: Heavy Vehicles

## Regions

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

The graph below shows the percentage of difference compared with the same month last year. The MADT values here represent heavy vehicles only. In July 2012, all regions had an increase of between 2.7% and 9.5%. Nationally, the MADT for heavy vehicles increased by 5.1%, compared with July 2011.



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

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

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

## More graphs

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

## All sites

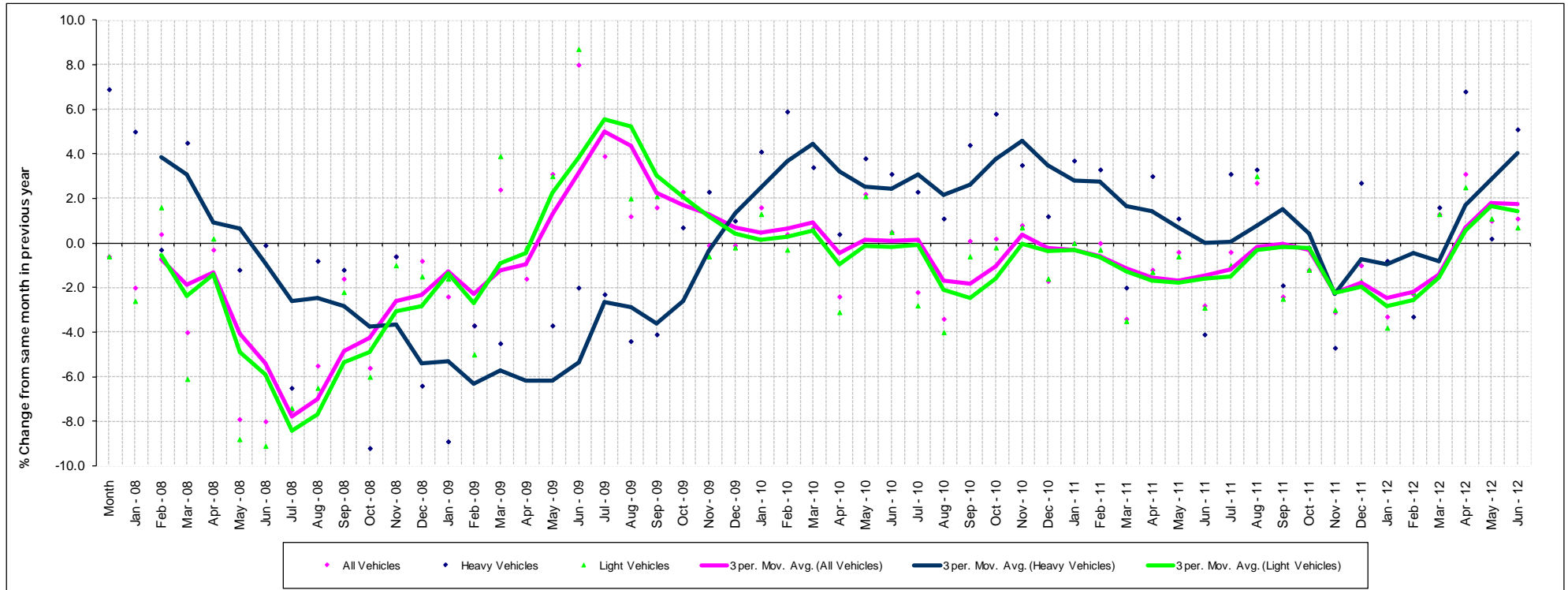
A table of MADT (heavy vehicles) values for all national telemetry sites for 2012 is attached to this report.

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



# Summary of Percentage Change from Same Month in Previous Year

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



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

## Appendices

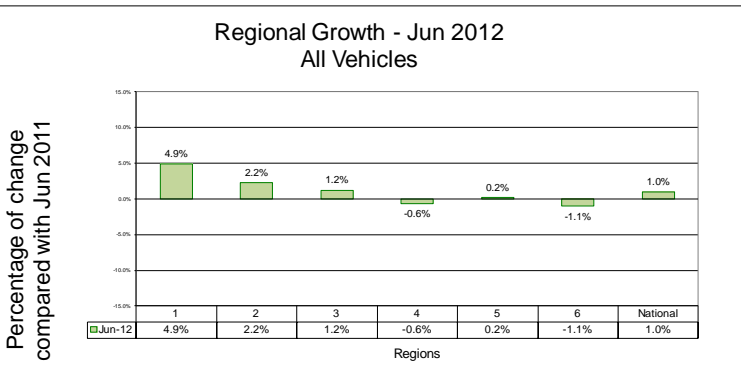
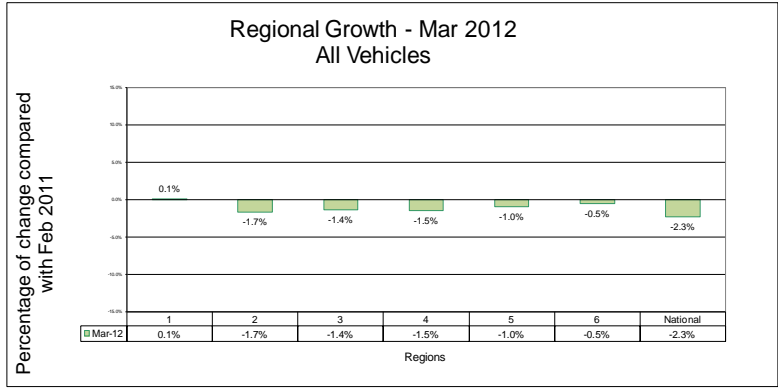
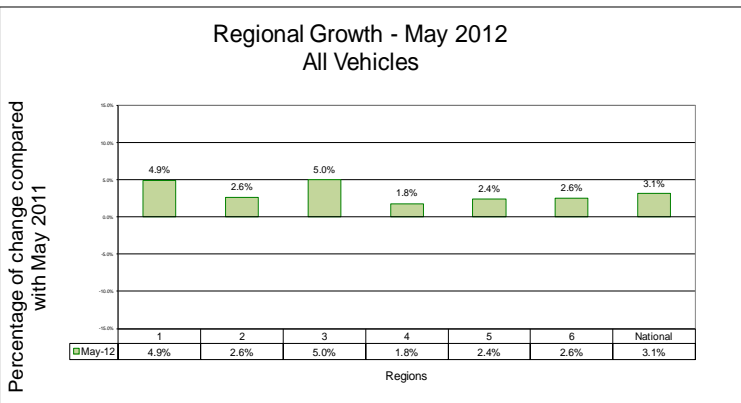
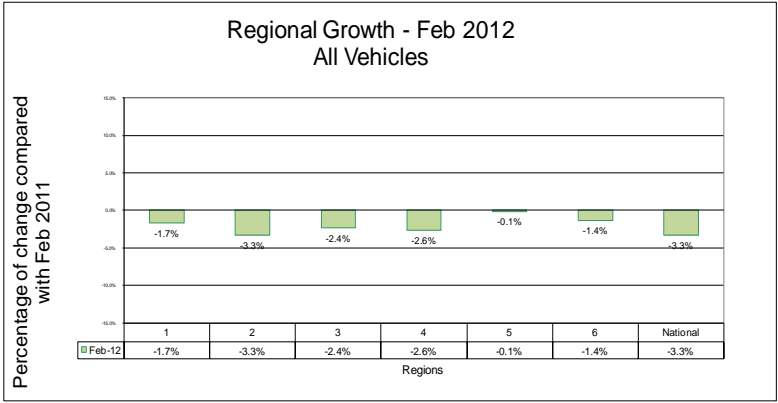
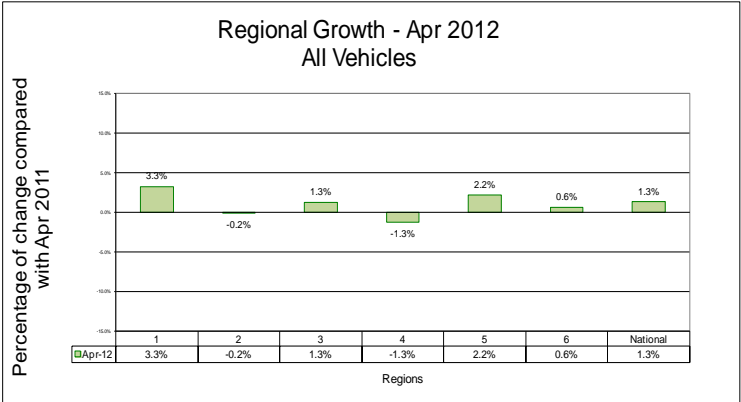
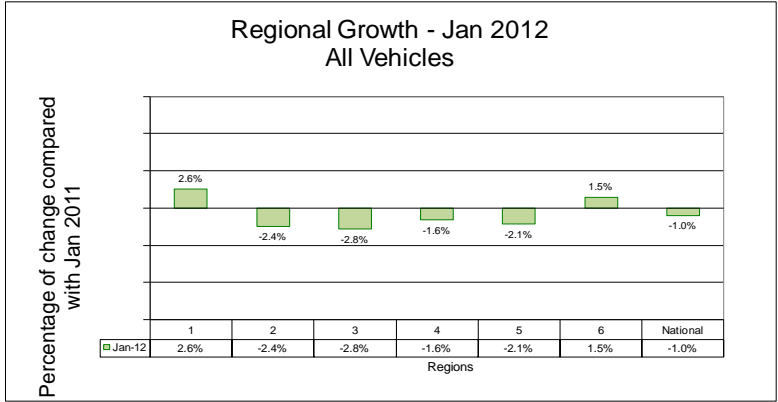
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Current and Previous Years Growth Graphs: 2012, 2011, 2010, 2009 and 2008

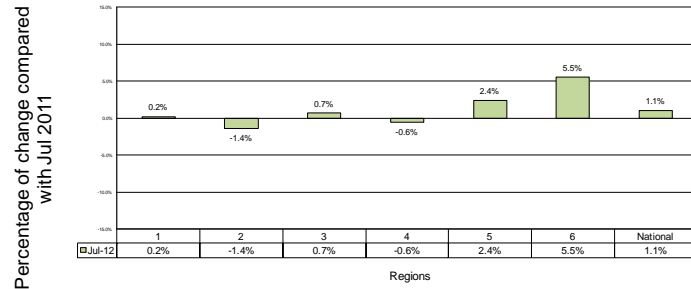
- All Vehicles
- Heavy Vehicles

Telemetry Site MADT's for the past thirteen months

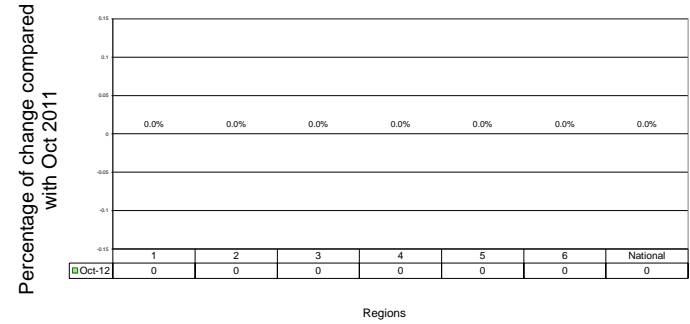
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- Heavy Vehicles



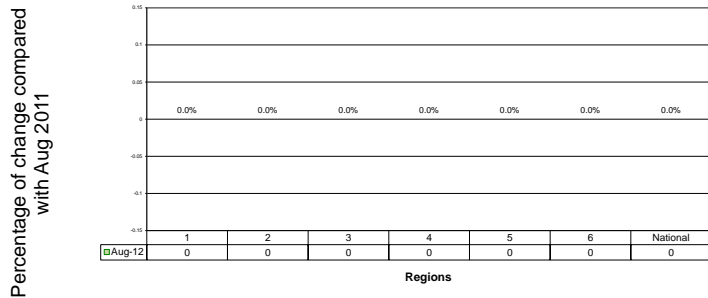
Regional Growth - Jul 2012  
All Vehicles



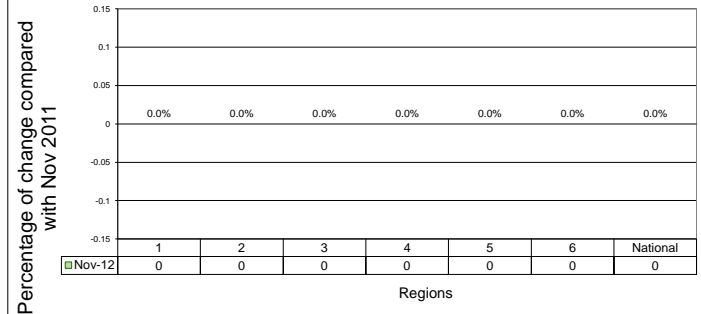
Regional Growth - Oct 2012  
All Vehicles



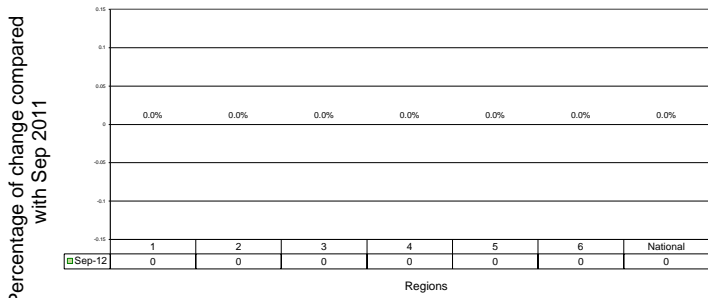
Regional Growth - Aug 2012  
All Vehicles



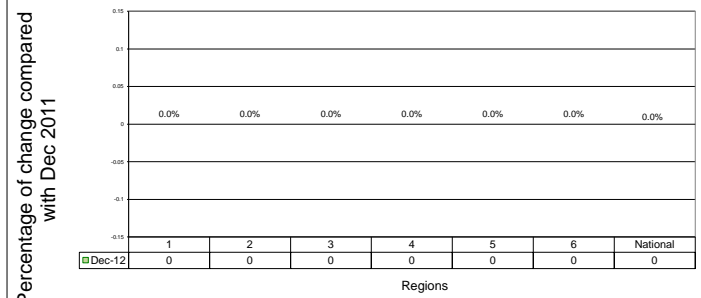
Regional Growth - Nov 2012  
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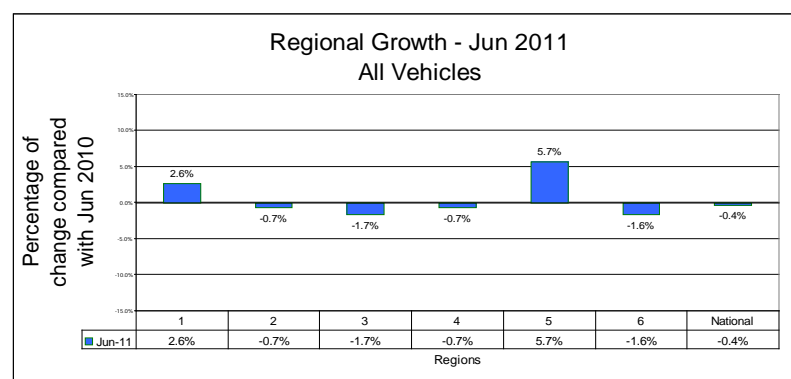
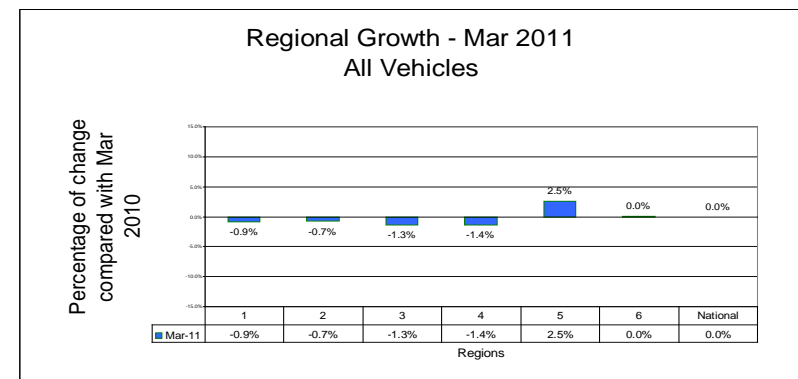
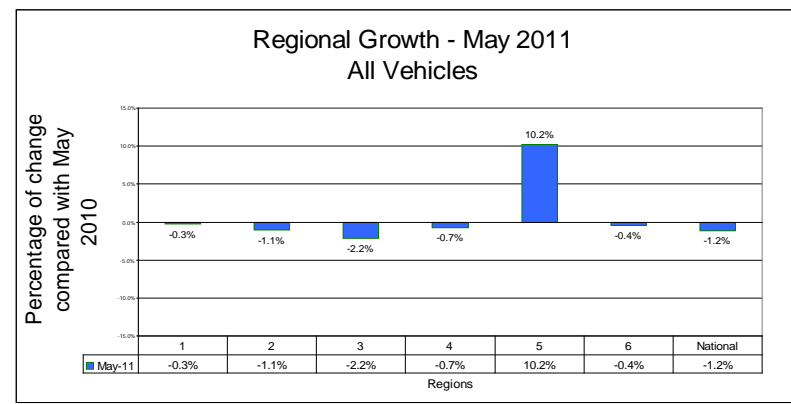
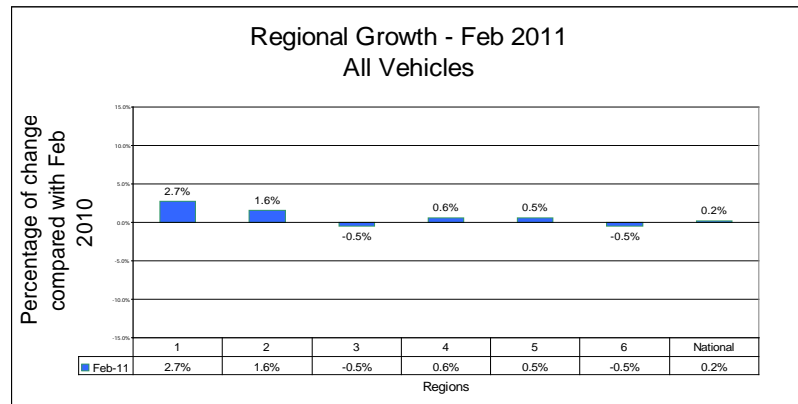
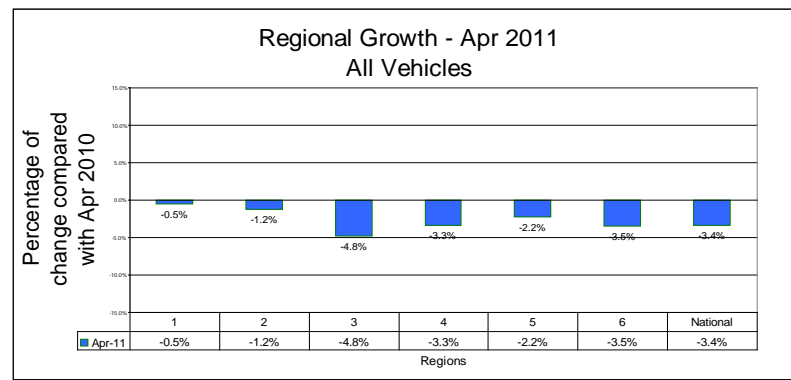
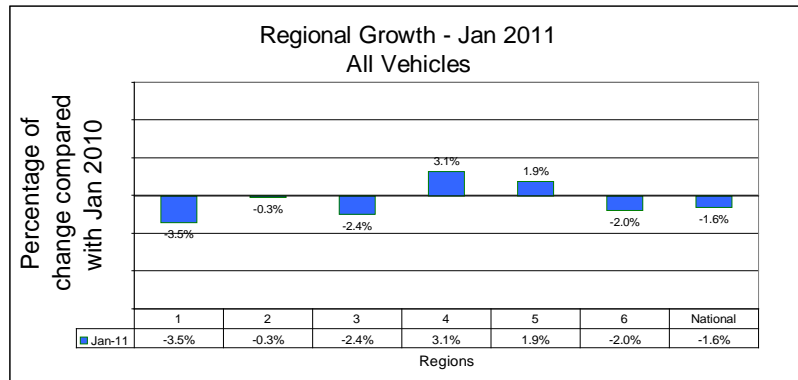


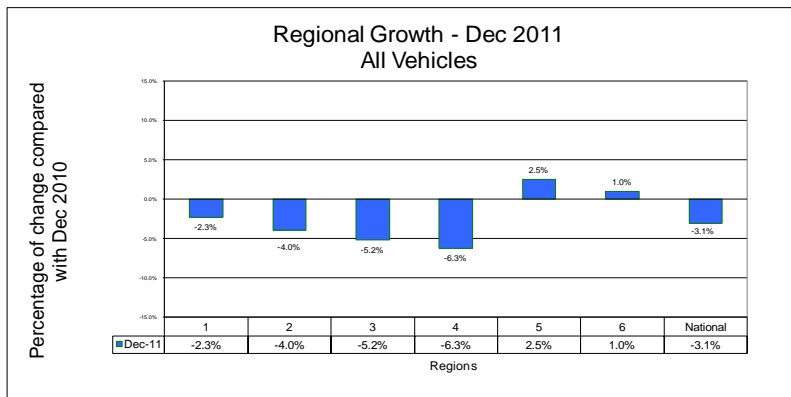
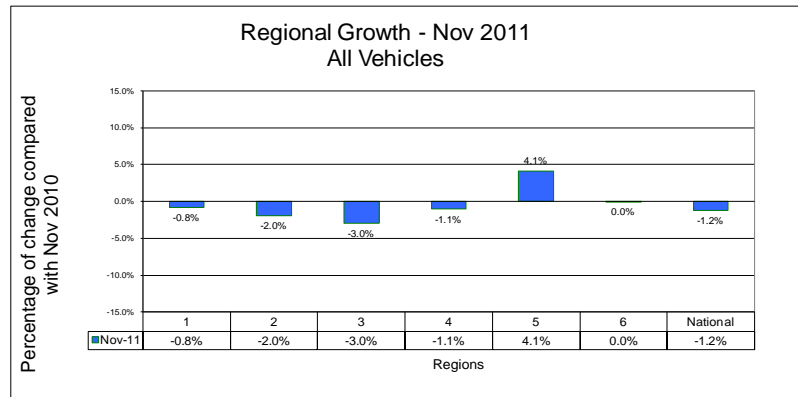
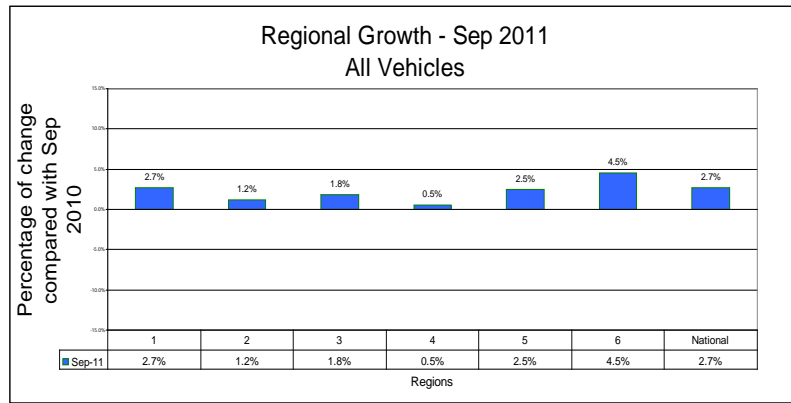
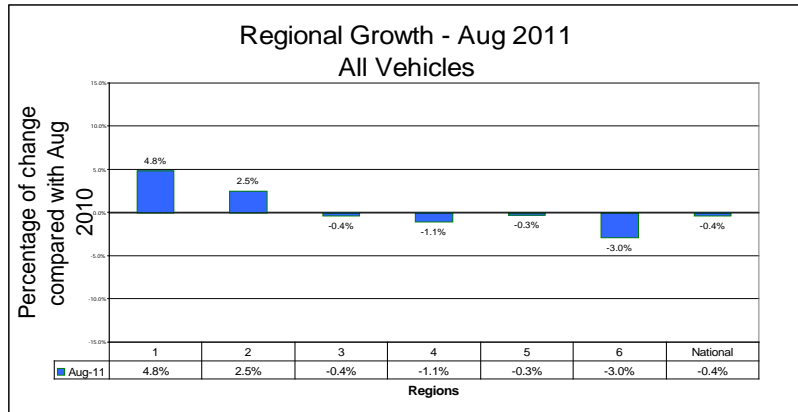
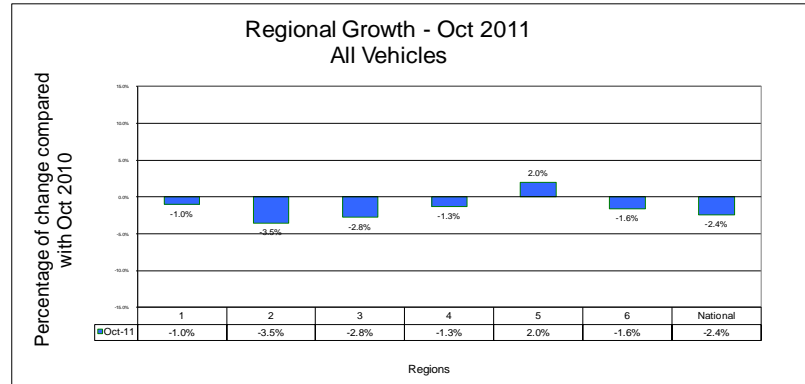
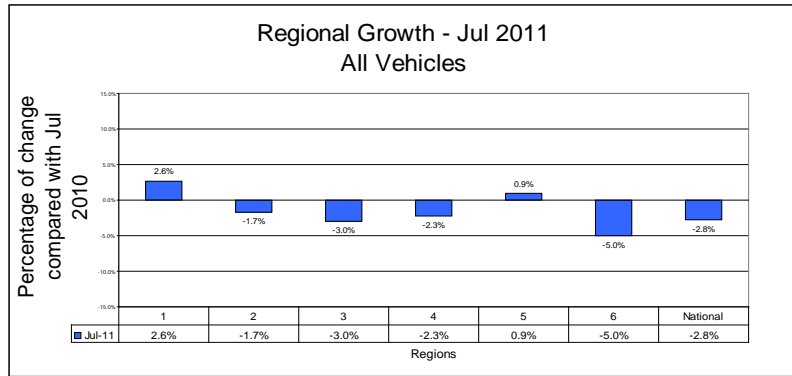
Regional Growth - Sep 2012  
All Vehicles

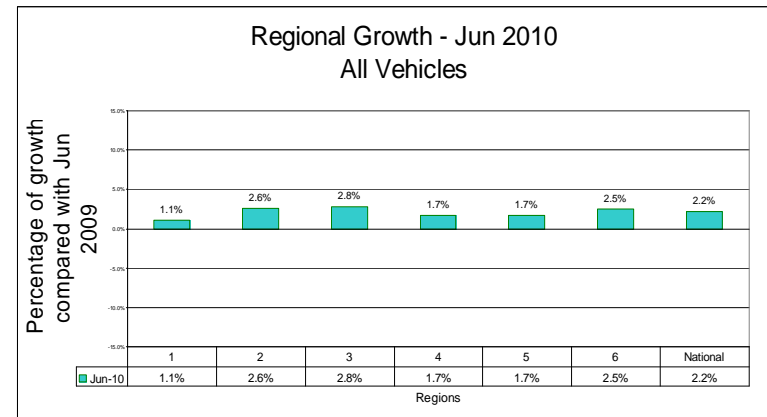
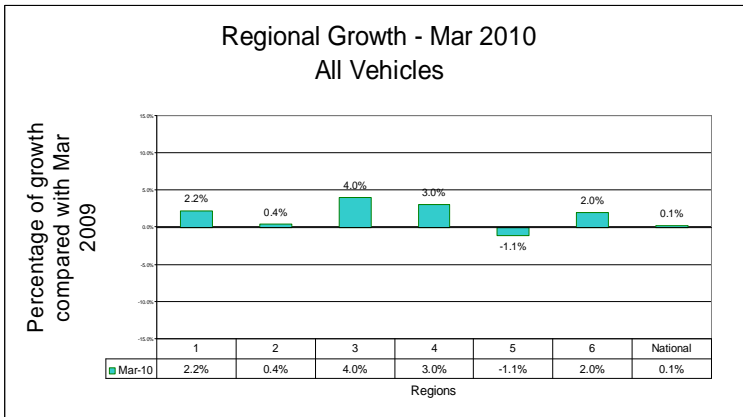
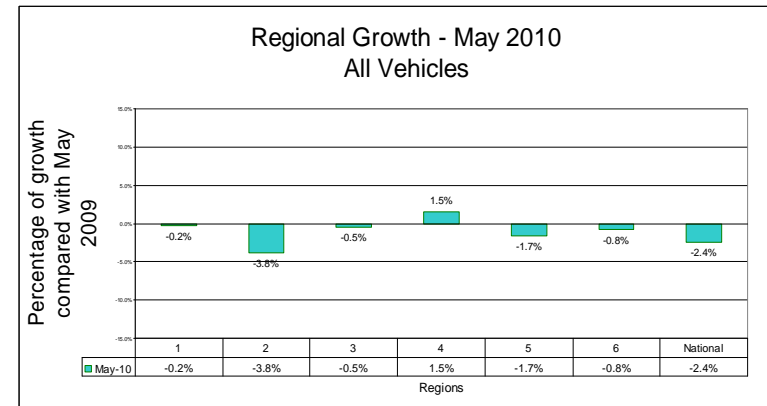
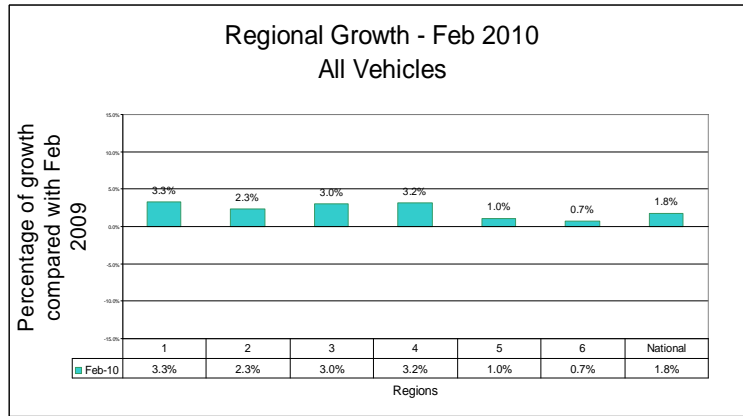
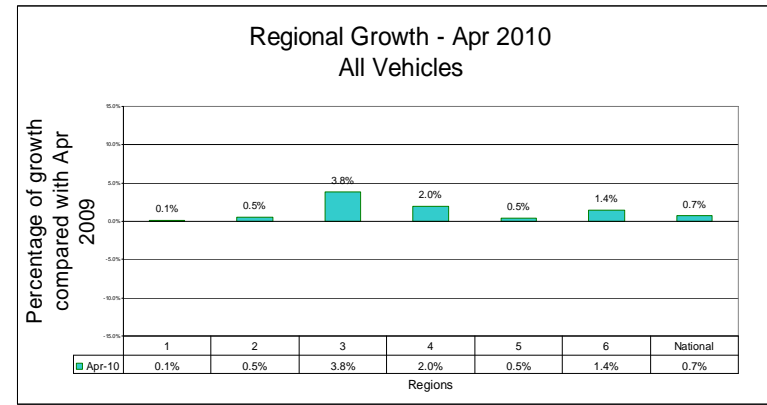
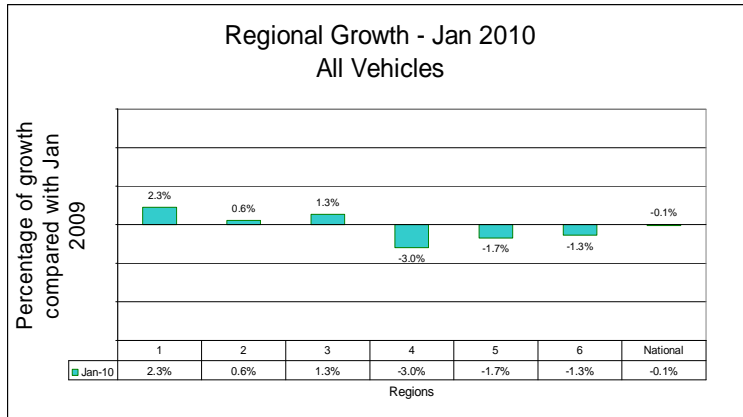


Regional Growth - Dec 2012  
All Vehicles

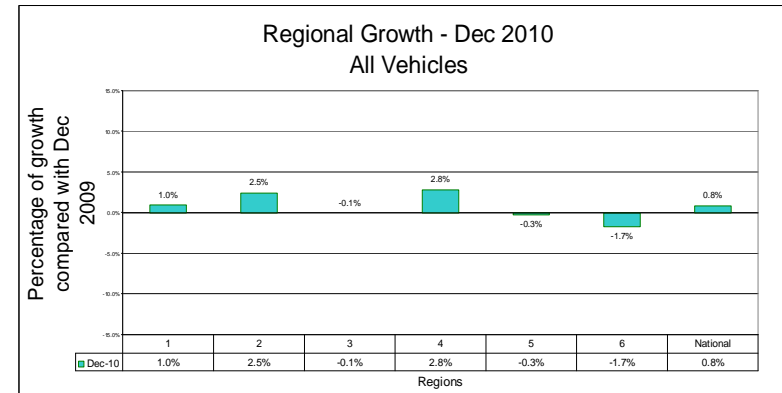
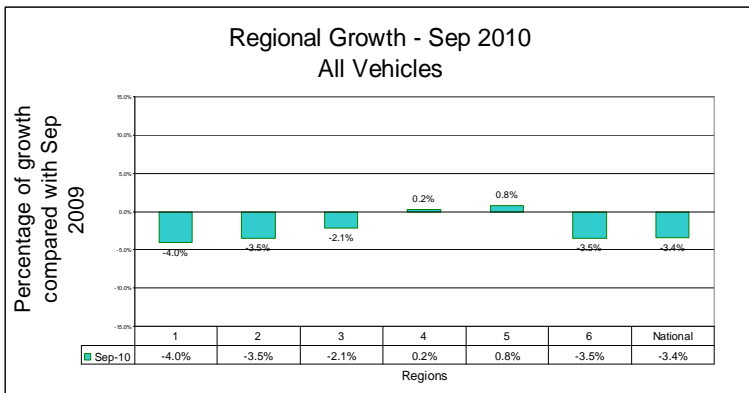
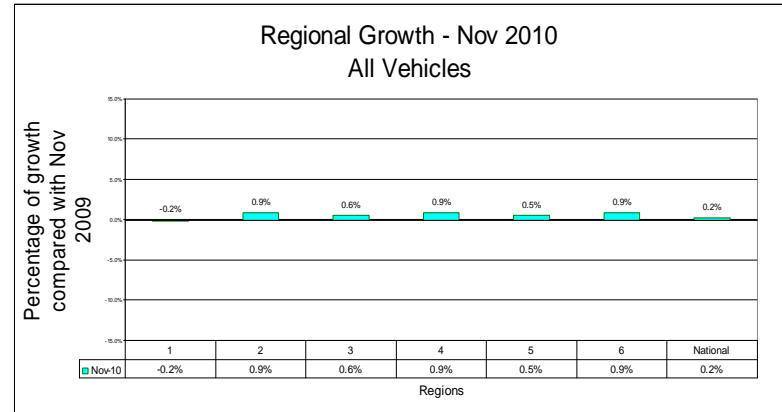
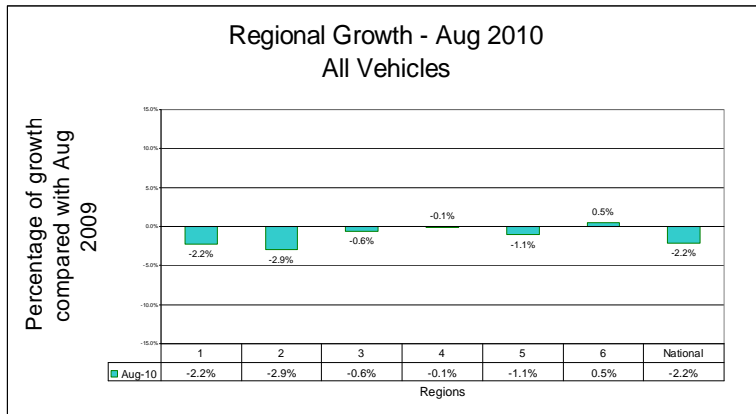
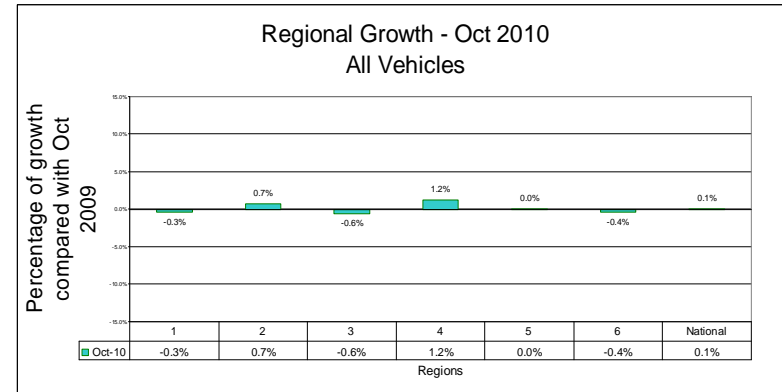
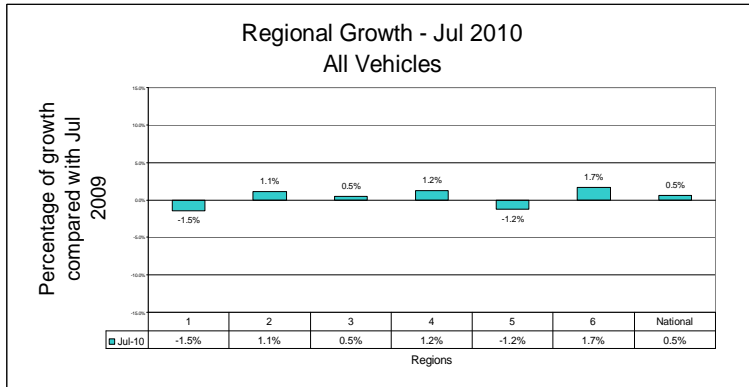




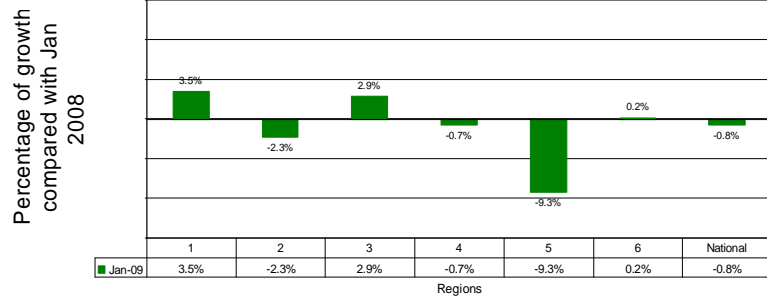




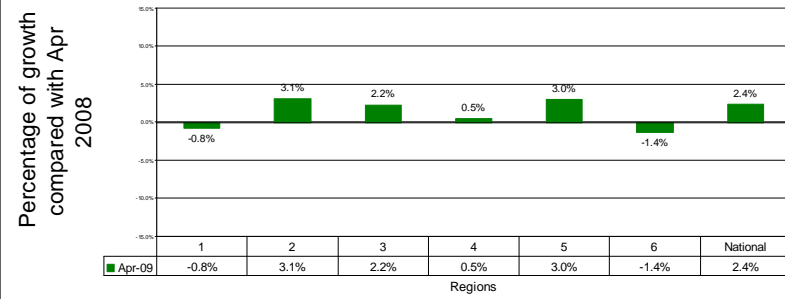




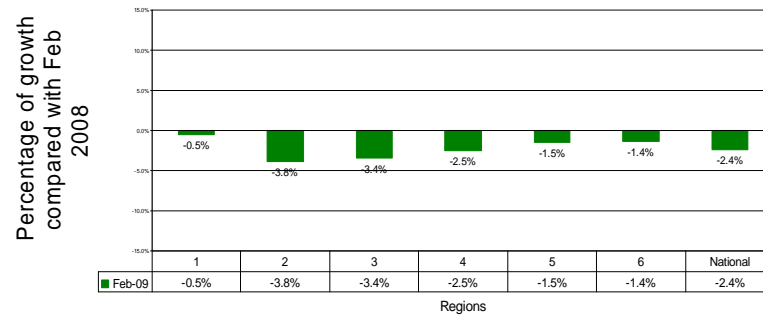
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All Vehicles



Regional Growth - Apr 2009  
All Vehicles



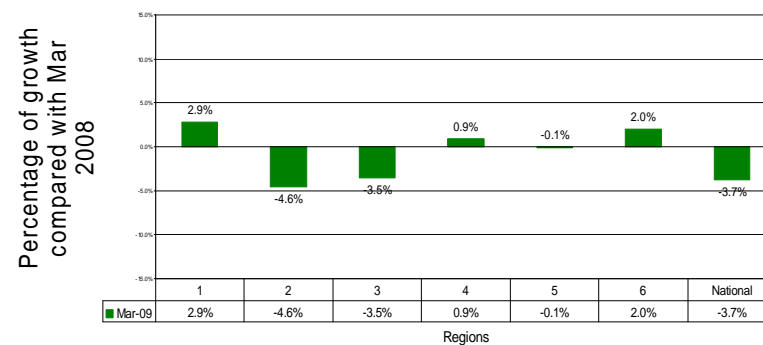
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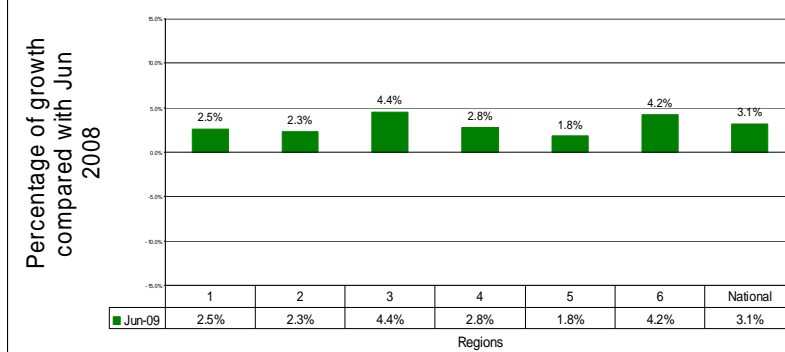
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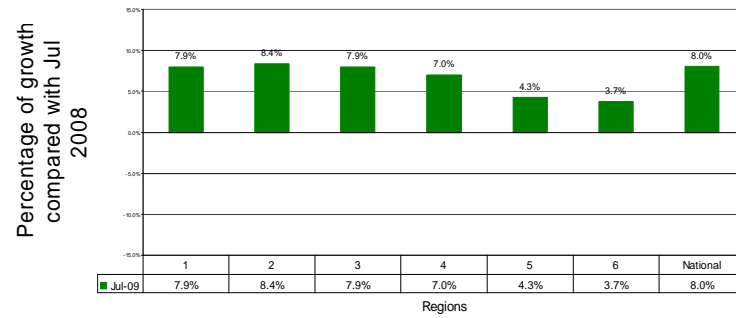
Regional Growth - Mar 2009  
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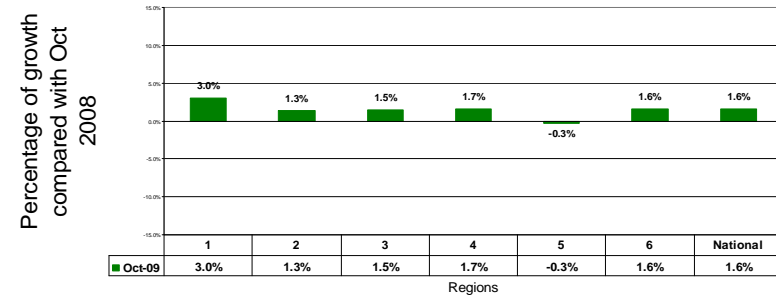
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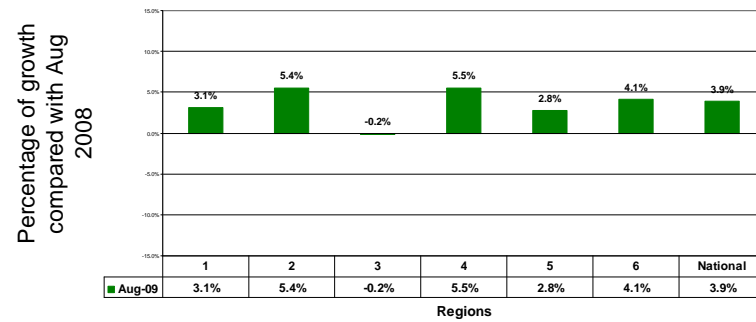
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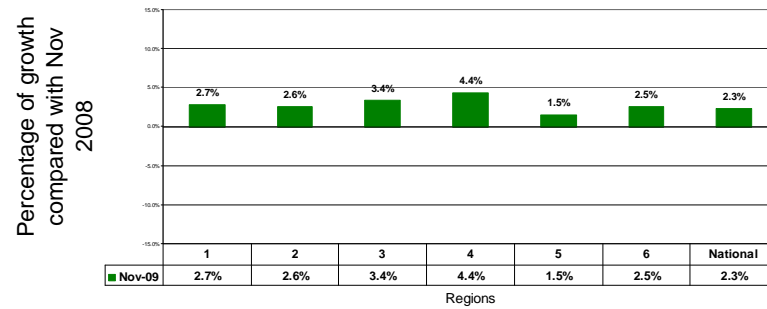
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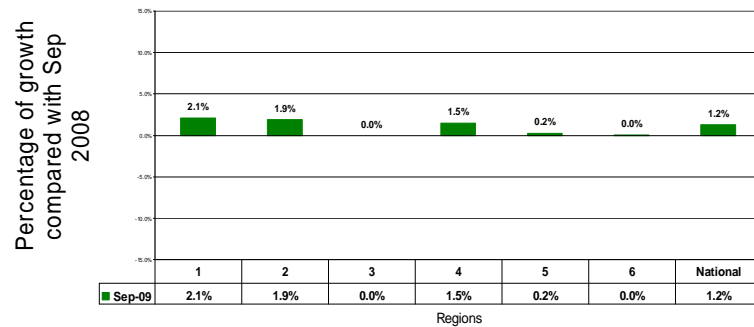
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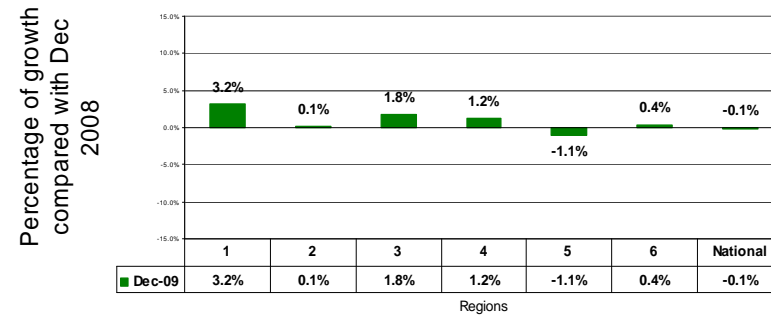
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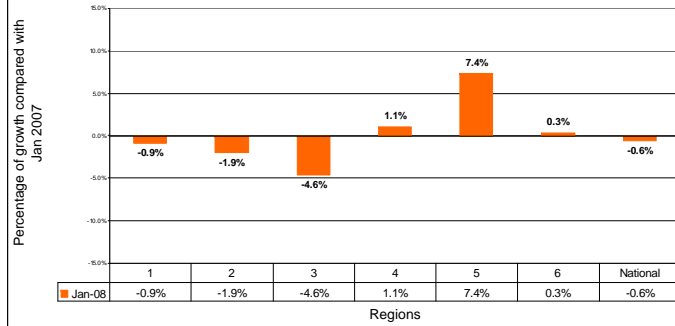
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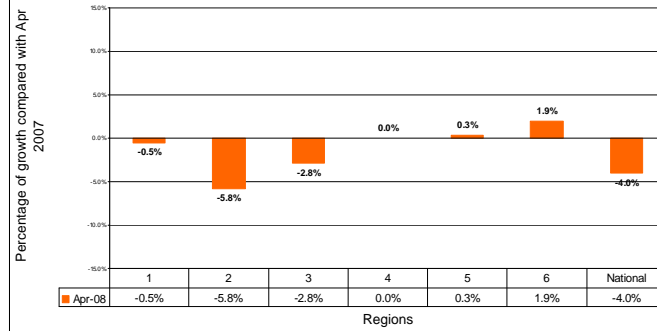
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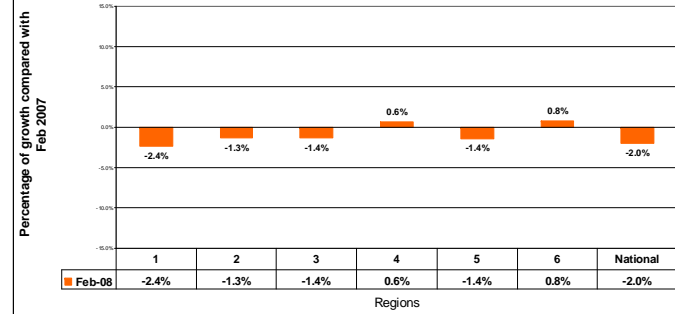
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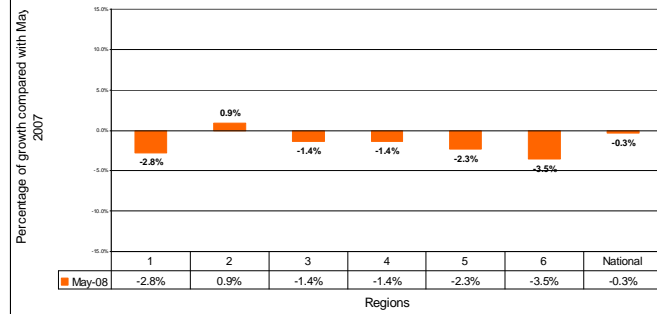
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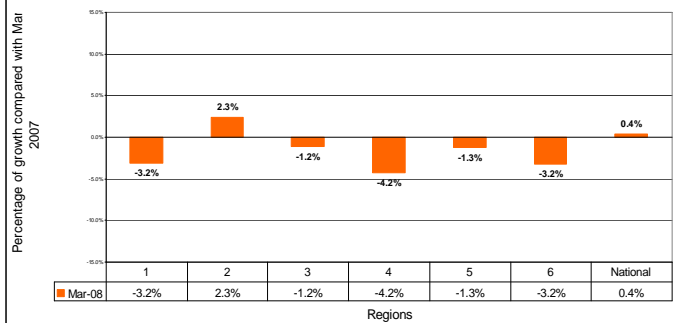
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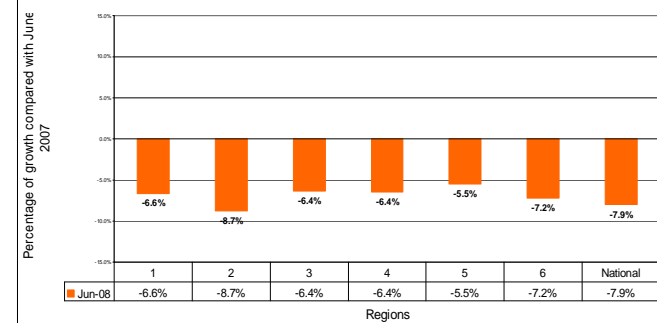
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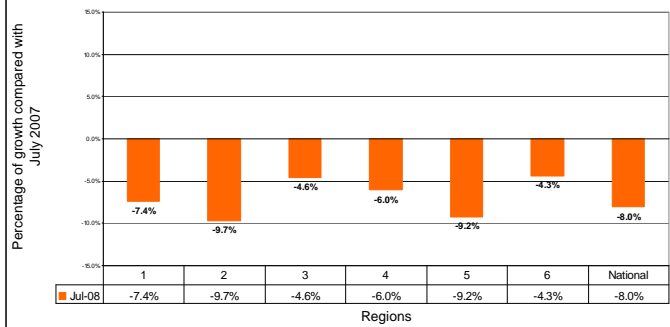
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All Vehicles



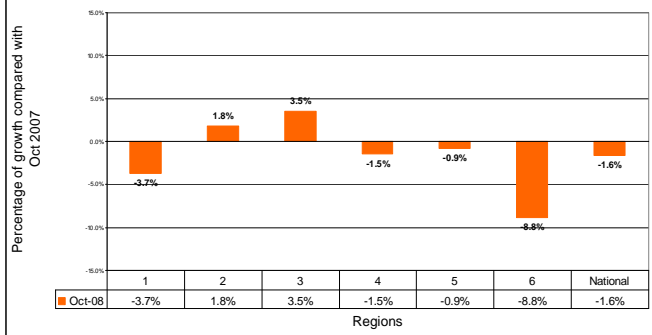
Regional Growth - June 2008  
All Vehicles



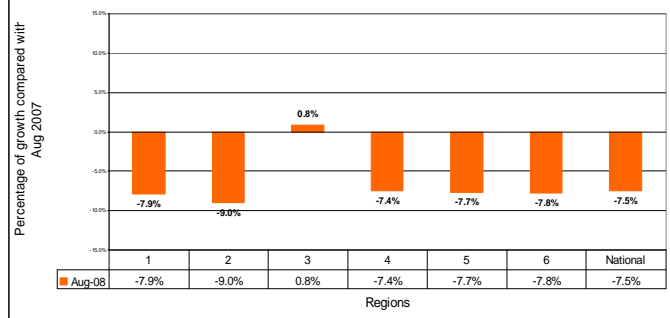
Regional Growth - July 2008  
All Vehicles



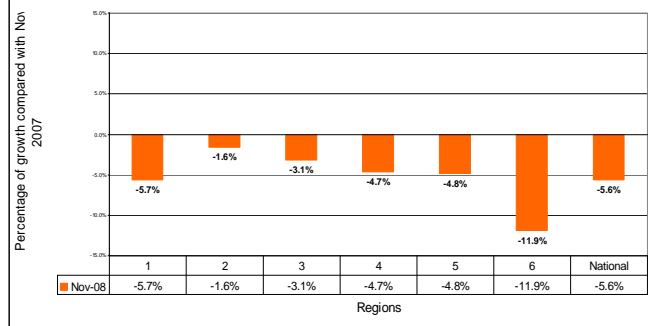
Regional Growth - Oct 2008  
All Vehicles



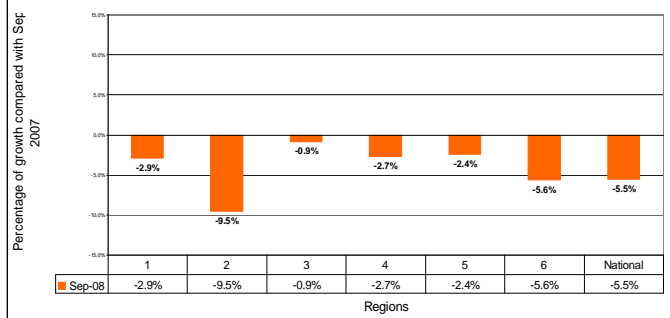
Regional Growth - Aug 2008  
All Vehicles



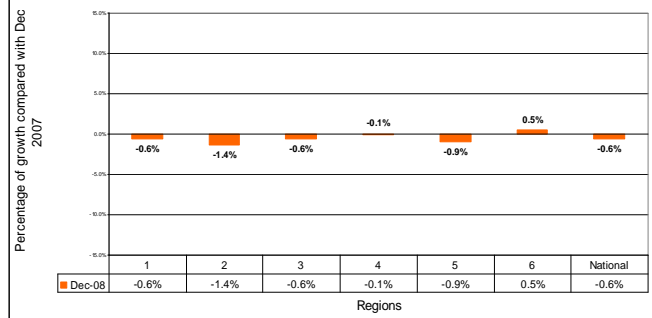
Regional Growth - Nov 2008  
All Vehicles

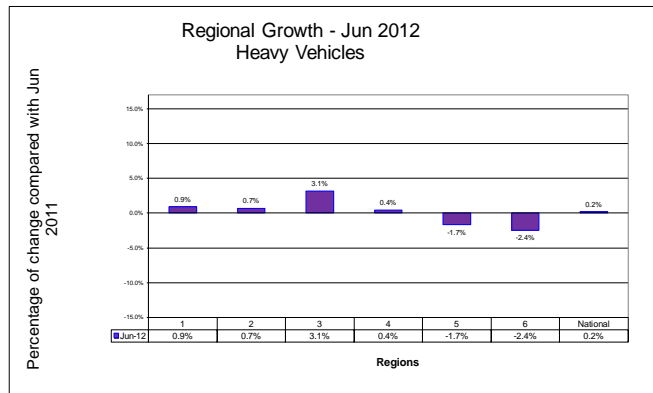
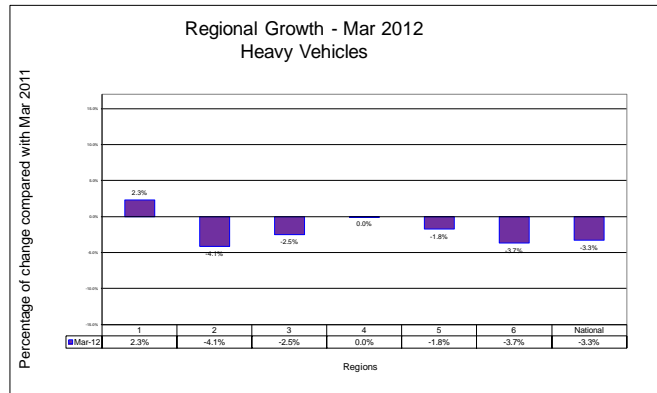
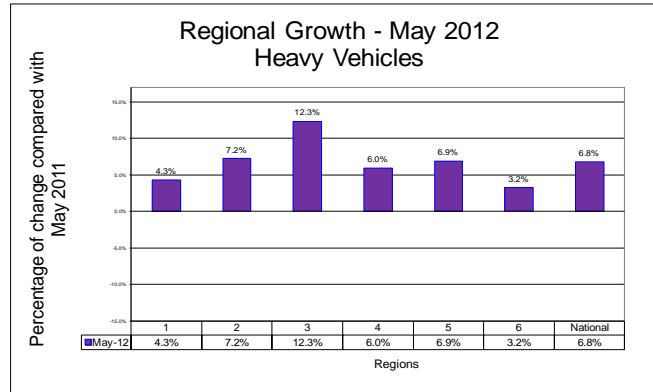
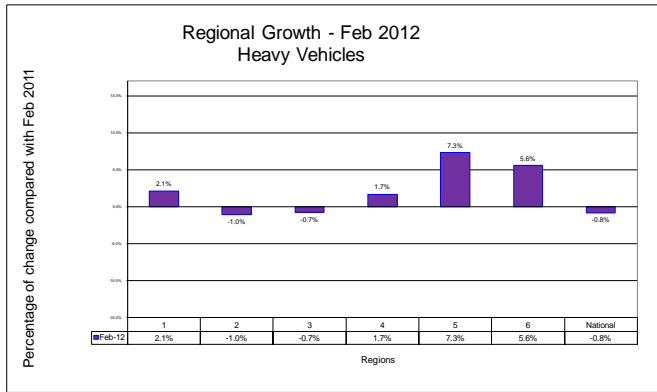
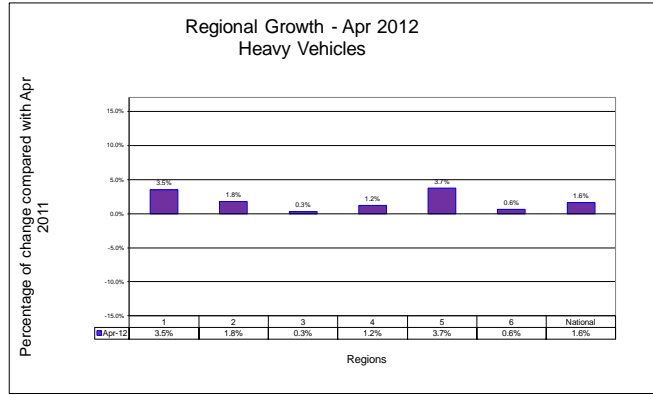
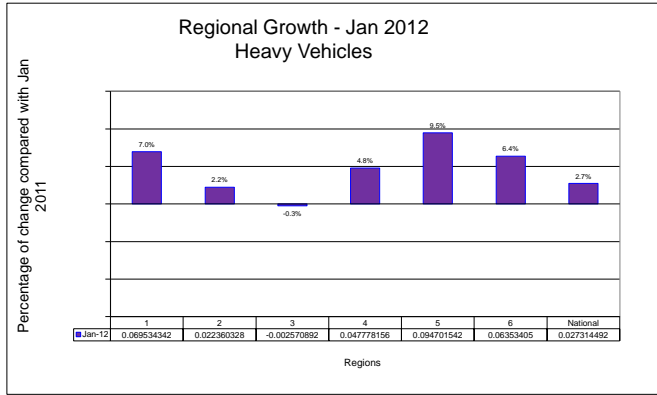


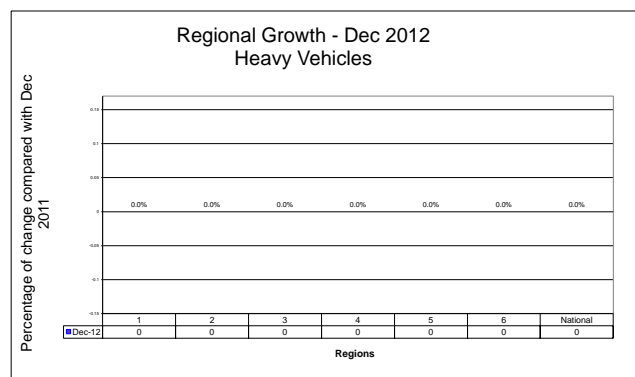
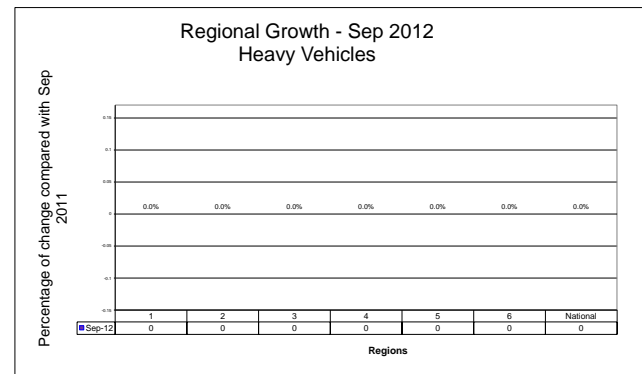
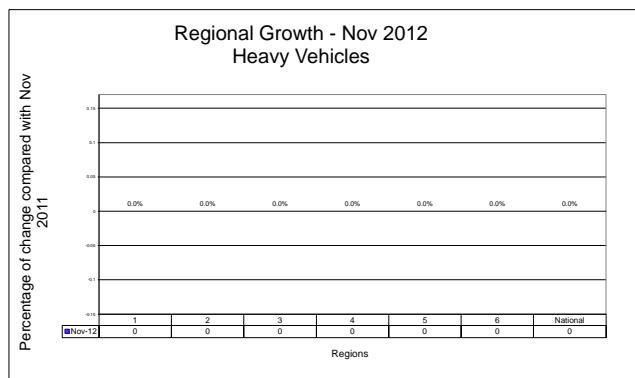
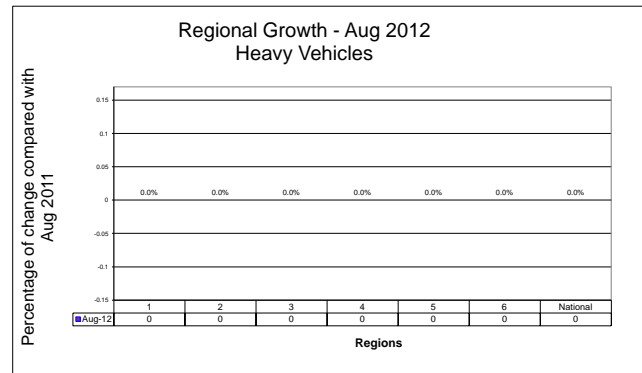
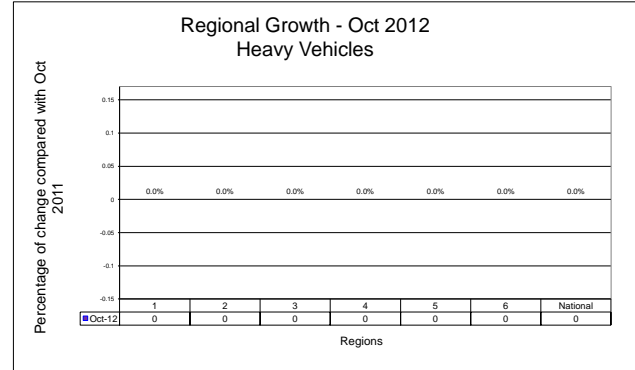
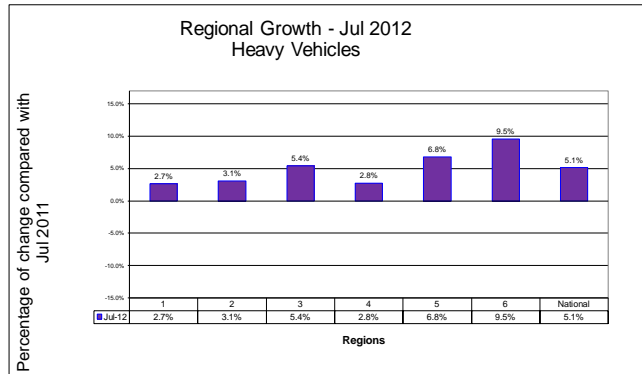
Regional Growth - Sep 2008  
All Vehicles

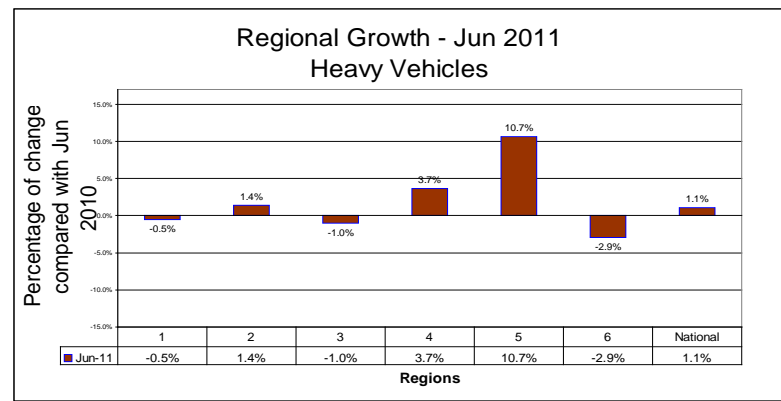
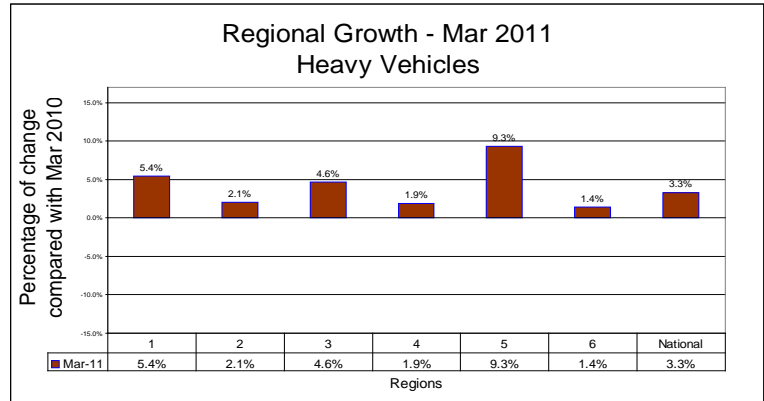
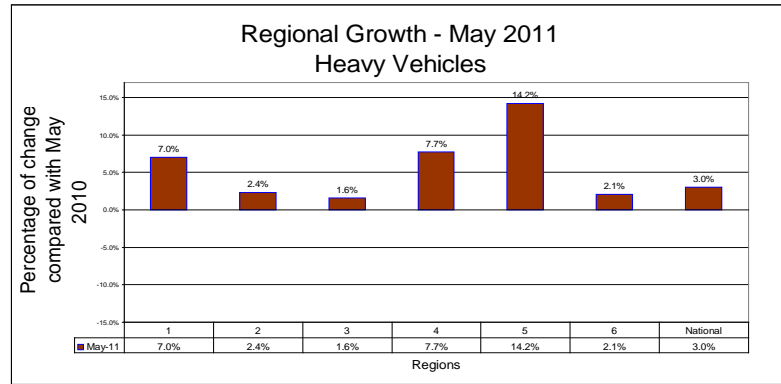
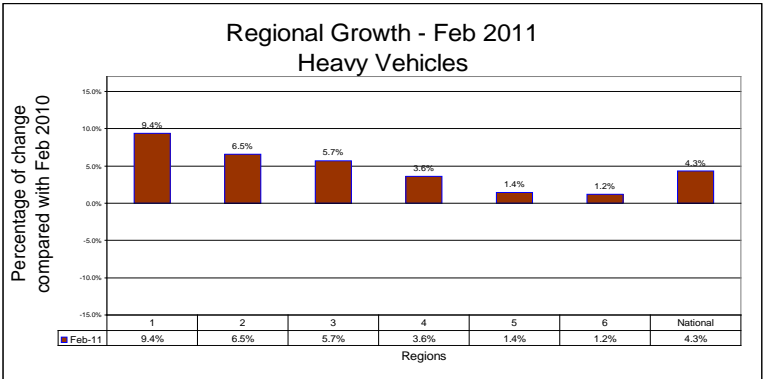
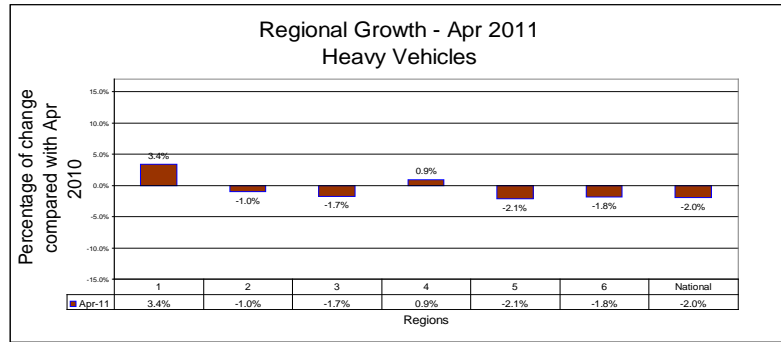
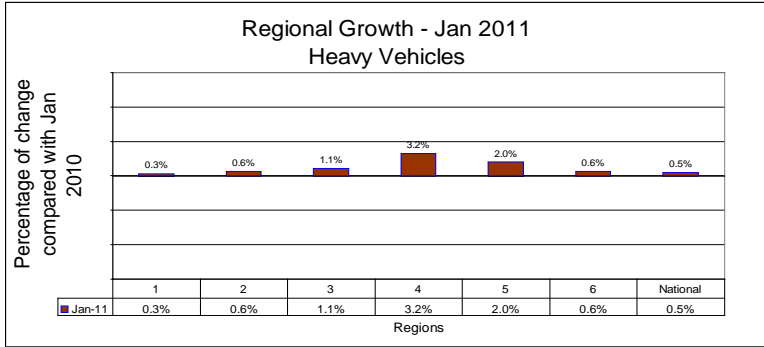


Regional Growth - Dec 2008  
All Vehicles

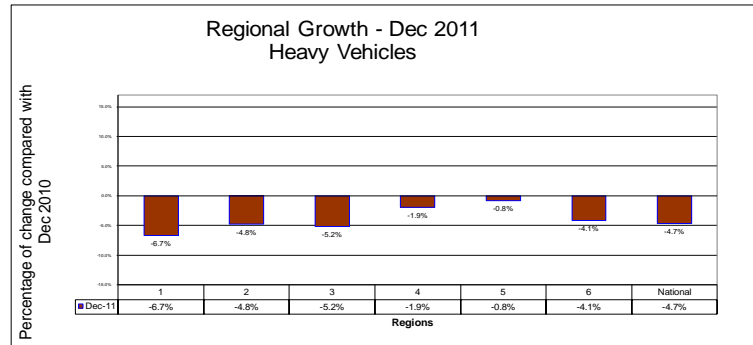
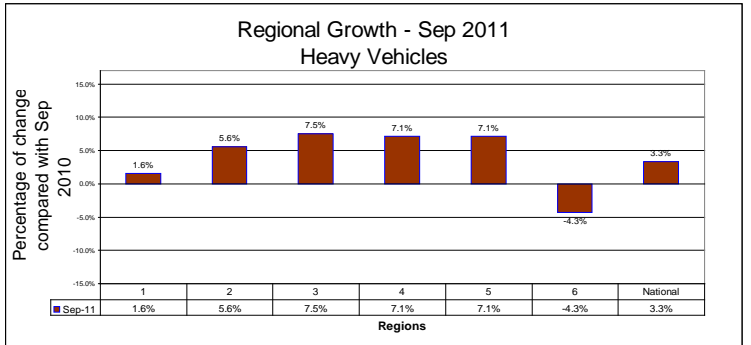
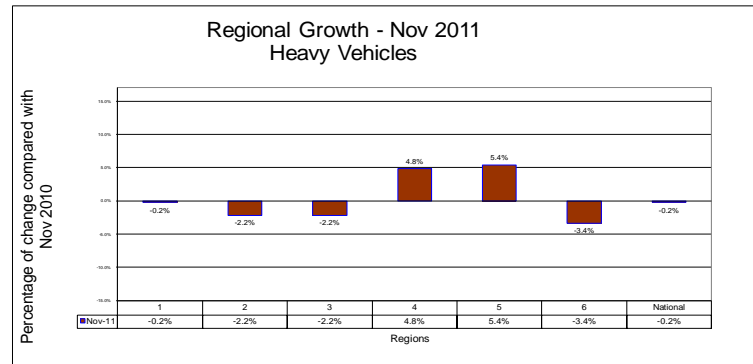
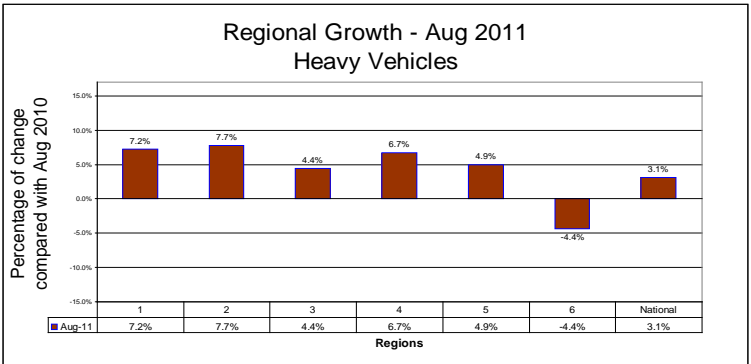
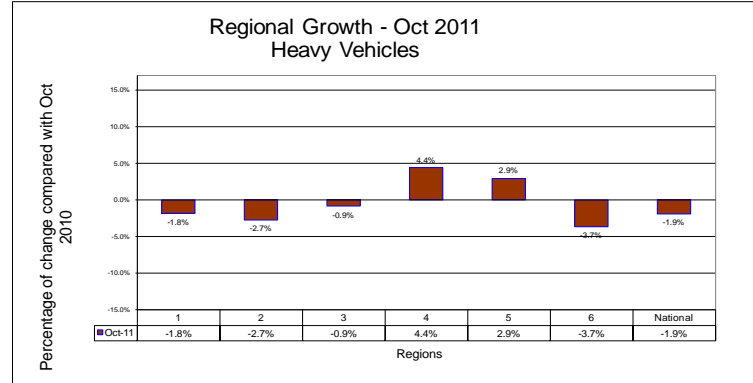
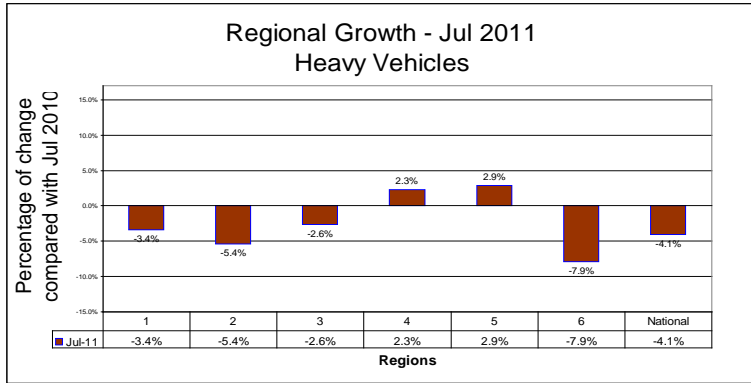




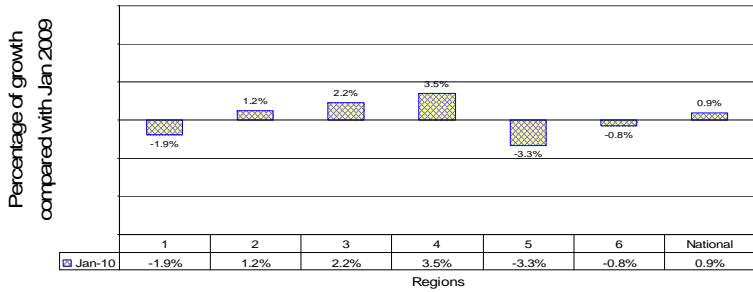




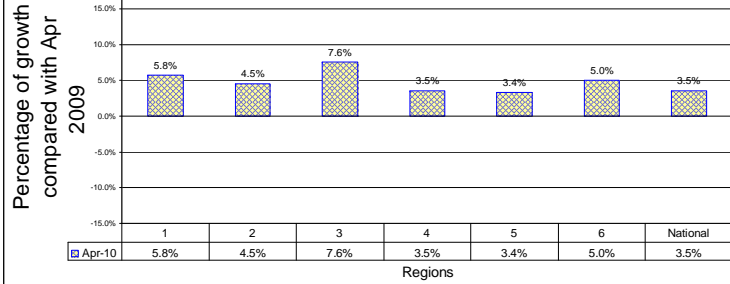




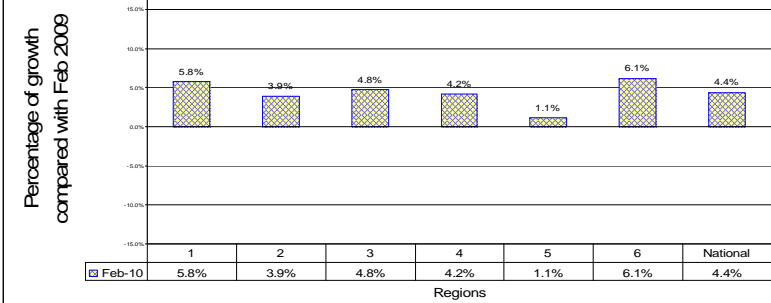
Regional Growth - Jan 2010  
Heavy Vehicles



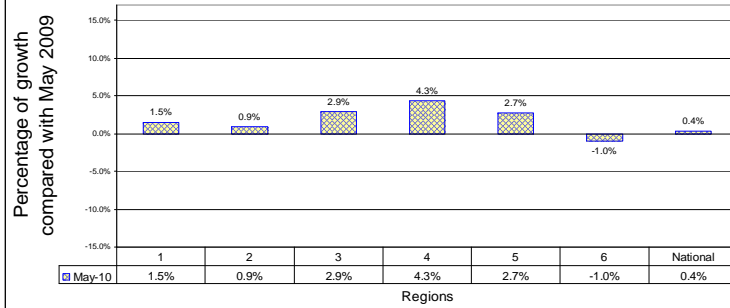
Regional Growth - Apr 2010  
Heavy Vehicles



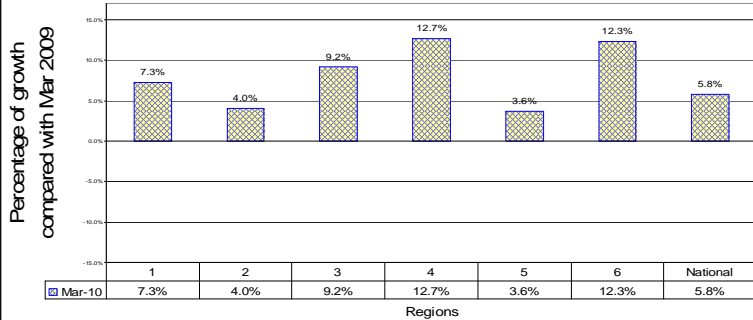
Regional Growth - Feb 2010  
Heavy Vehicles



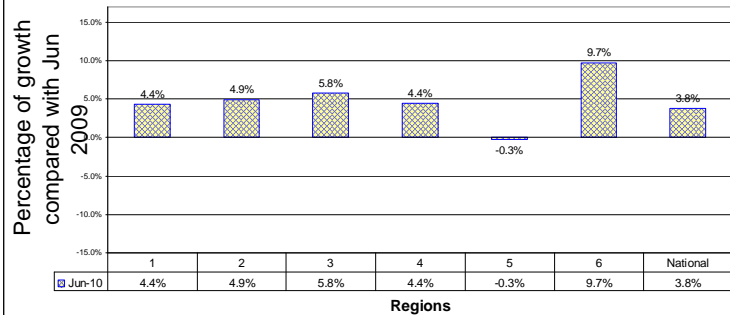
Regional Growth - May 2010  
Heavy Vehicles

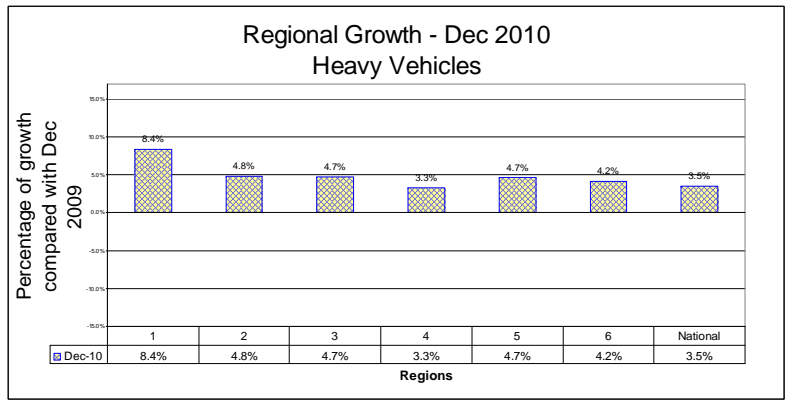
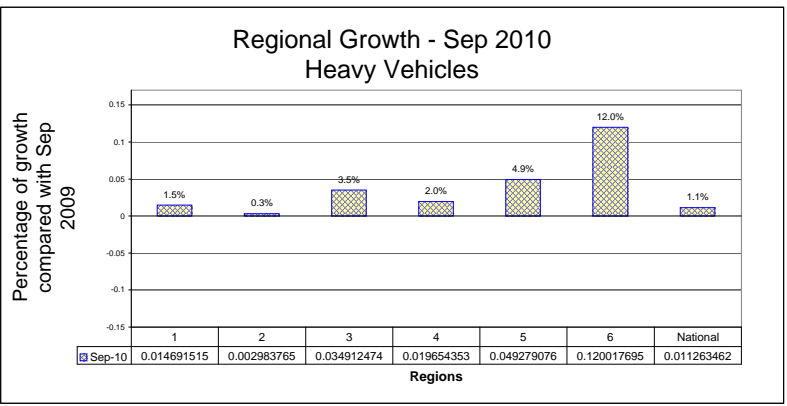
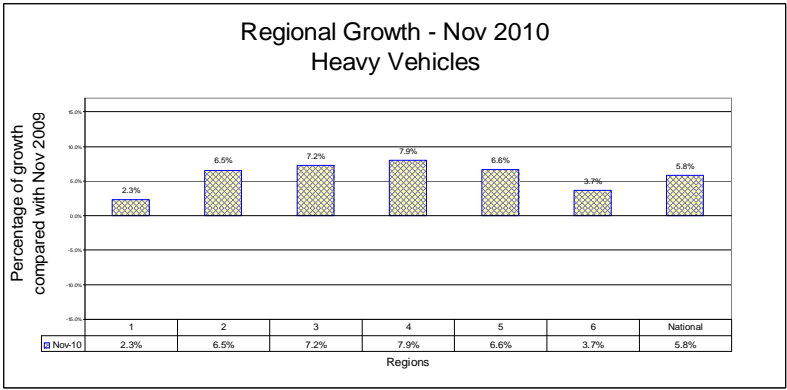
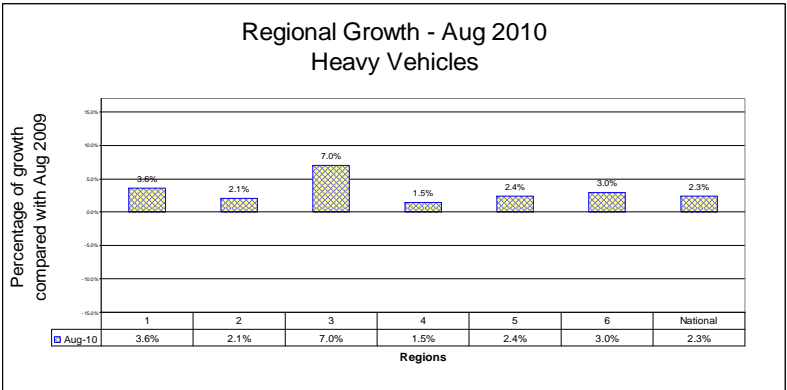
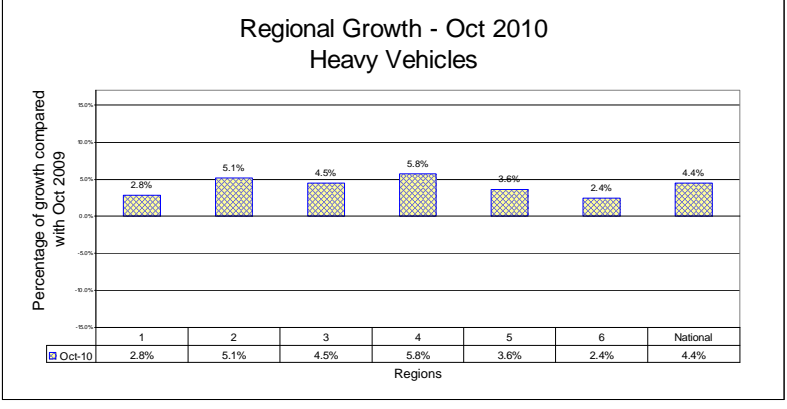
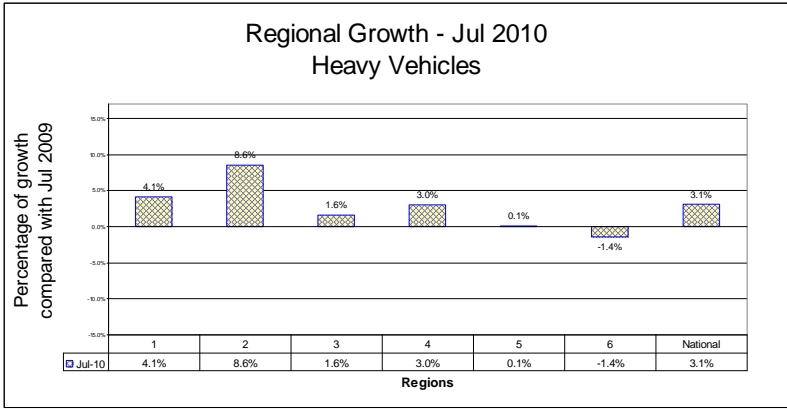


Regional Growth - Mar 2010  
Heavy Vehicles

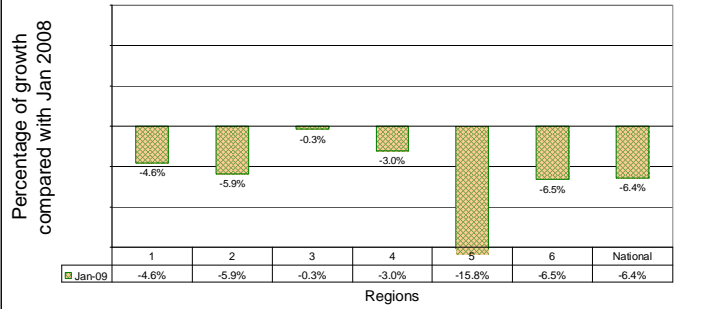


Regional Growth - Jun 2010  
Heavy Vehicles





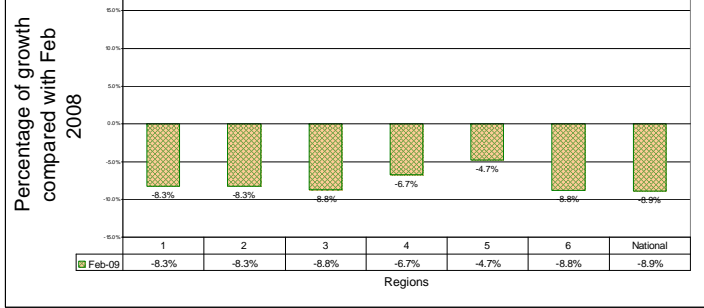
Regional Growth - Jan 2009  
Heavy Vehicles



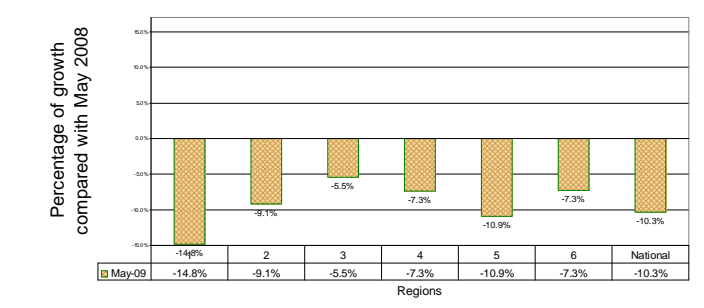
Regional Growth - Apr 2009  
Heavy Vehicles



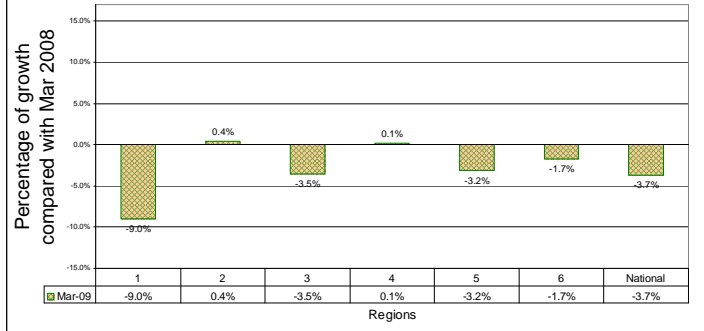
Regional Growth - Feb 2009  
Heavy Vehicles



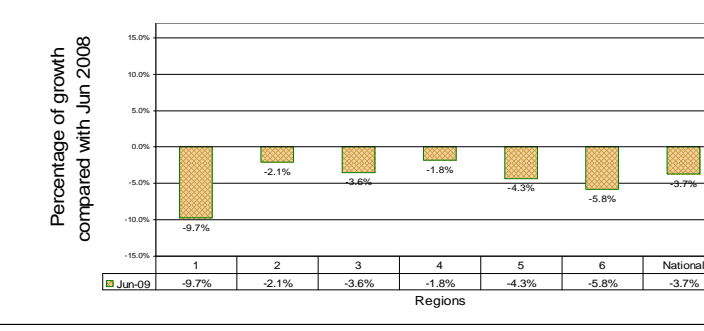
Regional Growth - May 2009  
Heavy Vehicles

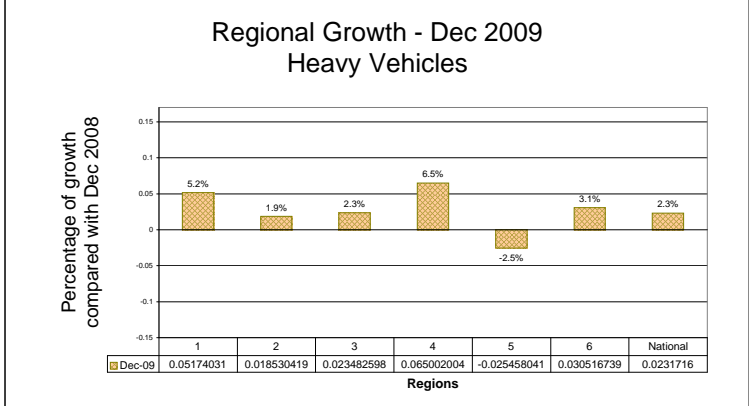
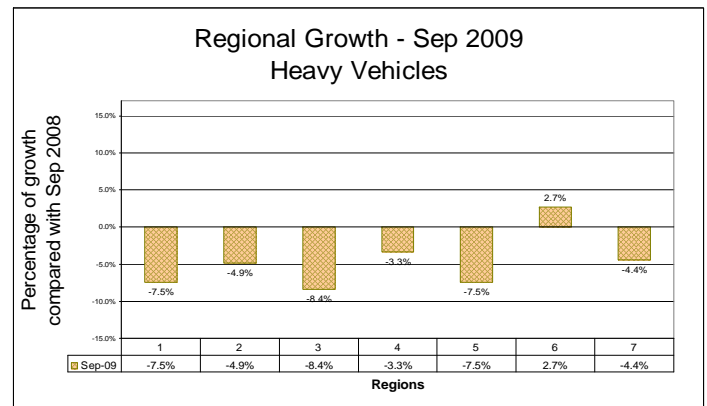
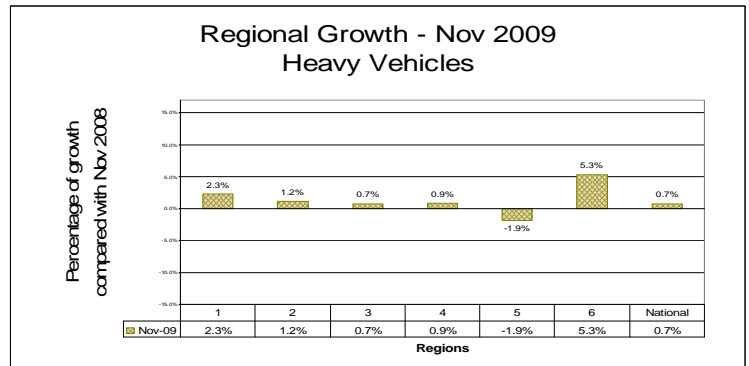
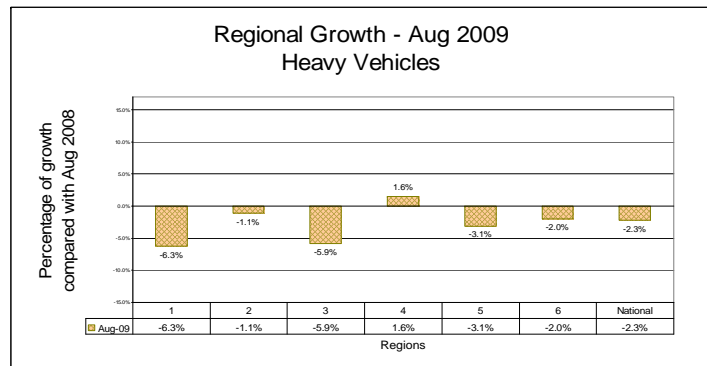
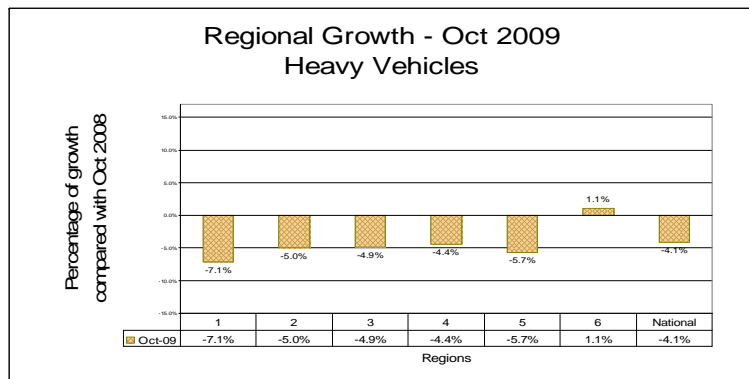
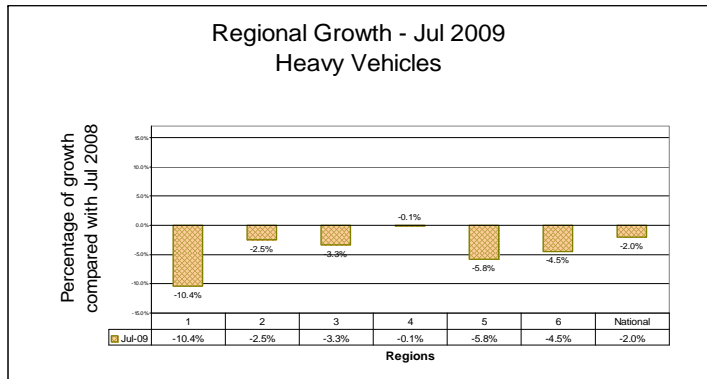


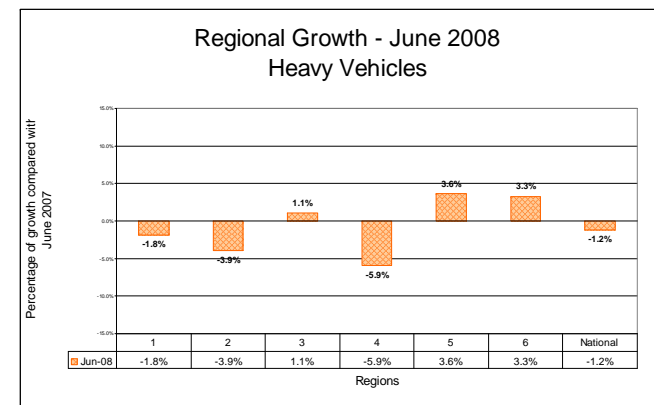
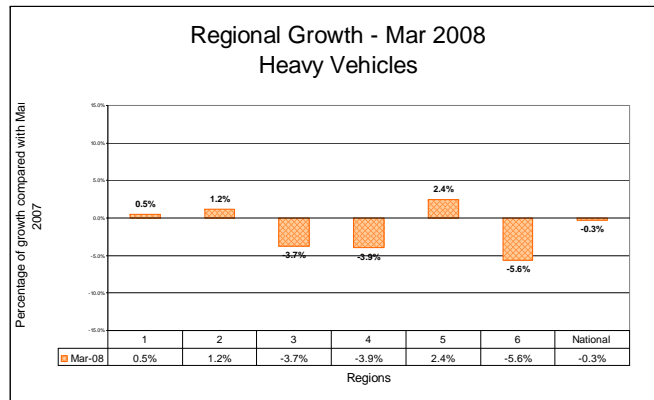
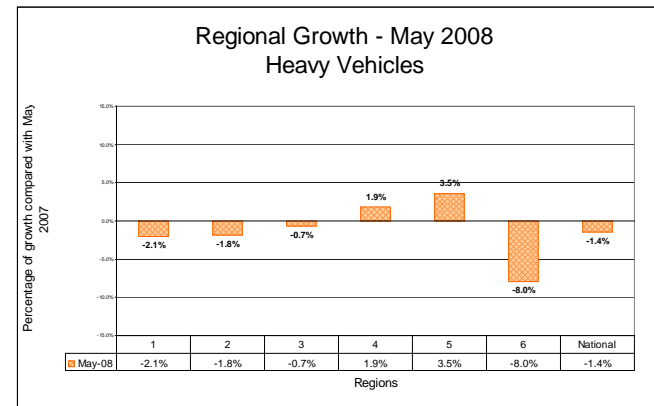
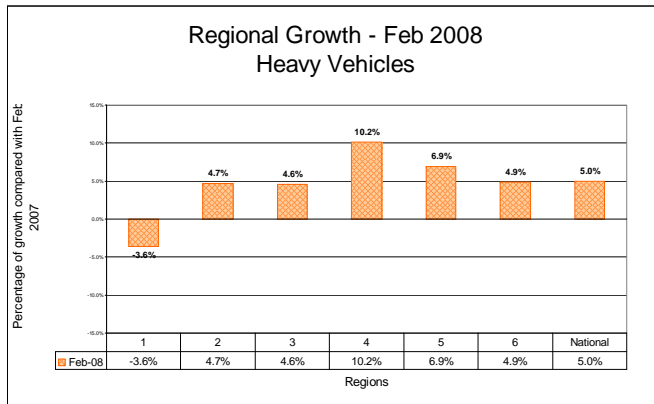
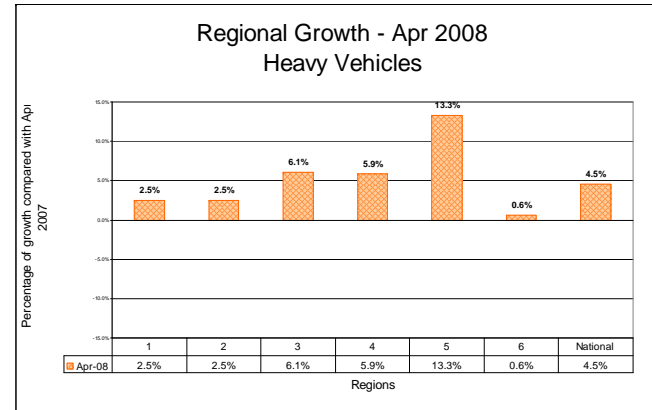
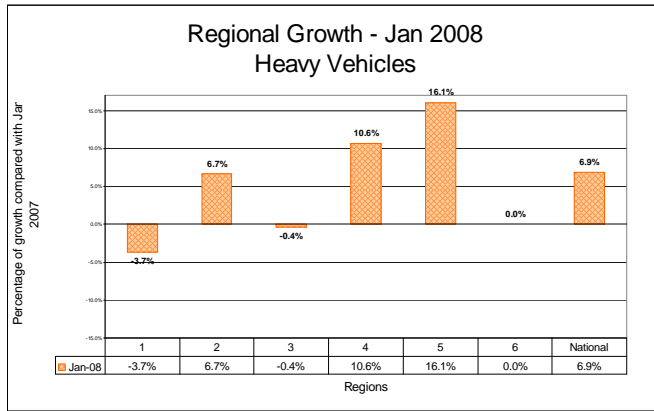
Regional Growth - Mar 2009  
Heavy Vehicles

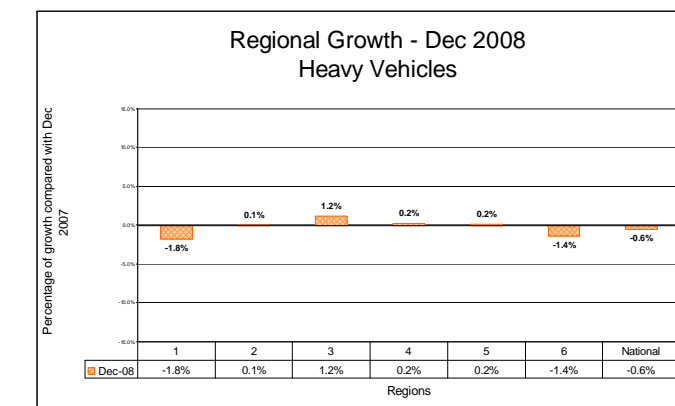
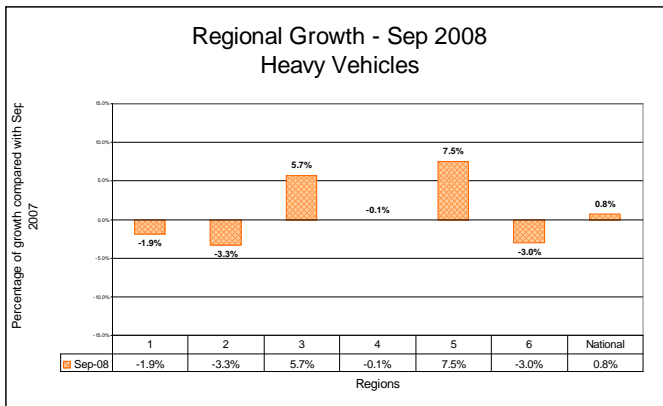
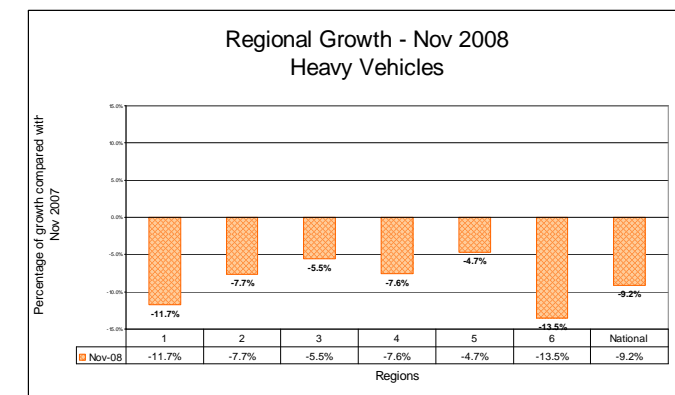
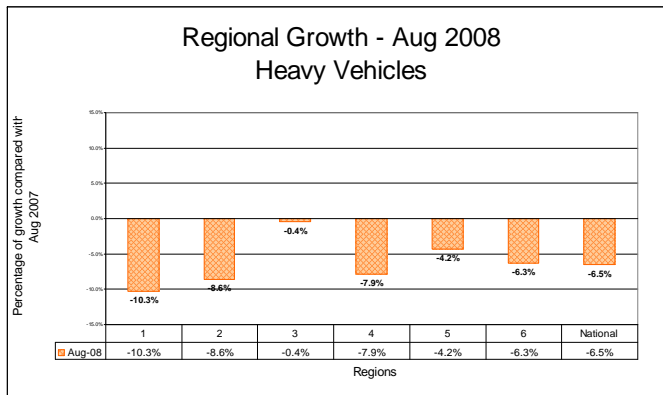
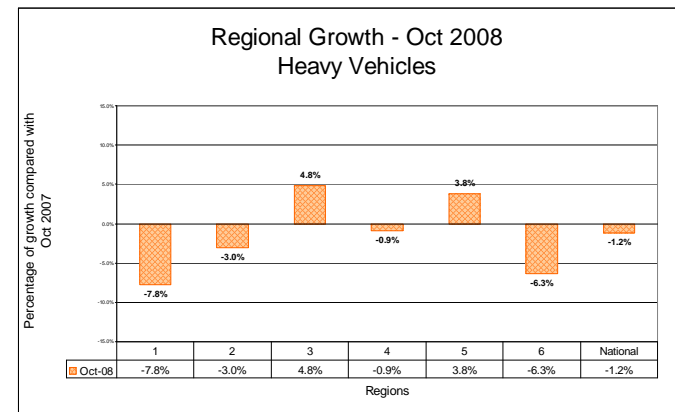
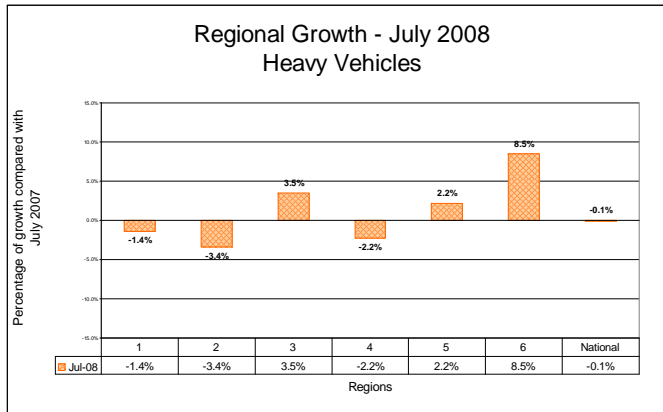


Regional Growth - Jun 2009  
Heavy Vehicles













Telemetry Site MADT All Vehicles

NZTA Region	Site Ref	Description	Jul- 11	Aug- 11	Sep- 11	Oct- 11	Nov- 11	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12
3	ID:00400133	HOROPITO	2153	2277	1999	1974	1575	1754	1931	1805	1649	1870	1362	1649	2142
3	ID:00400226	UPOKONGARO	1771	1713	1745	1798	1876	1974	2036	1987	1943	1899	1685	1706	1679
3	ID:01N00827	HIHITAH	4218	3676	4058	4671	4263	4727	5147	4861	4260	4862	3627	3843	4145
4	ID:01N11068	NGAURANGA - SH1 Sth Bound Lanes	22313			22368	23225	21754	20108	23040	22763	21464	22667	22123	21710
4	ID:00200895	CLAREVILLE - Nth of Whites Line	9817	9874	10526	10887	11282	11429	10713	11414	11092	10594	10658	10279	9971
4	ID:00200937	RIMUTAKA - Pukuratahi River Brg	4951	4126		5927	5832	6026	6377	6653	5801		5324	5068	5178
4	ID:01N01036	PUKERUA BAY - (Piezo Axle Classification)	22427	21921	22053	22922	23390	24480	23301	24341	23344	22915	22155	21780	22204
4	ID:01N21068	NGAURANGA - SH1 Nth Bound Lanes	22121	22270	22403	22251	23278	19050	19669	22947	22866	21339	22816	21897	21875
4	ID:05800009	Pauatahanui East	13189		13305	13481	14341	13952	12721	14256	14062	13509	13772	13261	13197
4	ID:00210979	NGAURANGA - SH2 Sth Bound Lanes	21344			21488	22623	20847	18873	22262	22227	20630	22048	21223	20709
4	ID:00220979	NGAURANGA - SH2 Nth Bound Lanes	21073	21380	21476	21254	22625	17798	18567	22049	22002	20425	21895	20754	20769
4	ID:00210965	KELSON - SB	16745	16521	17015	16902	17961	17080	15908	17926	17682	16994	17771	16852	16855
4	ID:00220965	KELSON - NB	16080	15806	16332	16141	17200	16551	14888	17087	17073	16396	17240	16397	16252
4	ID:00600122	STOKE - Whakatu Drive at Songer St	20028	20498	20484	20373	22179	21073	21532	22276	21314	19919	20729	19992	19881
4	ID:00600232	MURCHISON		1269	1429	1805	1803	2121		2231	1940	2095	1385	1219	1336
4	ID:00600100	HIRA		2736		3094	3296	3445	3802	3696	3432	3243	2861	2868	
4	ID:06000040	SH60 Riwaka	2488	2500	2656	3122	3638	4441	5685	4819	3939	3659	2790	2493	2370
4	ID:01S00037	Blenheim		3168	3213	3358	3673	4294	4225	3955		3957	3210	3188	3128
4	ID:06300096	ST ARNAUD		217	247	324	329	388	442	418	385	359	239		243
5	ID:01S00389	DUNSANDEL	9711	8709	9555	10206	10636	11121	10649	10816	10447	10796	9551	9152	9707
5	ID:01S00505	EVANS St Timaru	19402	19134	19077	20313	21488	21390	19845	20461	20255	20008	20133	20602	19897
5	ID:07300064	Springfield - West of Township	1338	1412	1433	1536	1557	1598	1847	1646	1519	1703	1198	1292	1491
5	ID:01S00144	KAIKOURA - Nth of Hapuku River	2060	1768	1968	2383	2555	2750	3362	2903	2478	2589	1905	1995	1939
5	ID:01S00522	ST ANDREWS	5252	4822	5355	5658	5896	6148	5865	5947	5765	5991	5480	5241	5302
5	ID:00700108	LEWIS PASS	874	775	874	1173	1108	1285	1560	1337	1164	1293	859		897
5	ID:07409005	QE II Drive East Of Main Nth Rd			20889	20052	21123	20375	17932		19148	16605			
5	ID:01S00285	WAIKARA - (WIM Site)	6564	5734	6636	7592	7598	8505	8924	8170	6999		6443	6332	6503
5	ID:01S10327	WAIMAKARIRI BRIDGE - SB	19185	18994	20064	20435	21801	21029	20103	21715	21823	20591	21265	19692	20354
5	ID:01S20327	WAIMAKARIRI BRIDGE - NB	18465	18253	19389	19547	21044	20612	18786	20647	20975	19787	20410	18906	19395
5	ID:00800059	FAIRLIE	1827	1775	1737	1898	2089	2442	2707	2536	2352	2603	1633	1638	1868
5	ID:00600454	CHESTERFIELD	2349	2414	2582	2767	3004	3144	3268	3275	3024	2876	2614	2296	2489
5	ID:00700239	AHAURA				1242	1309			1390	1354	1307	1137	1084	1118
5	ID:00600398	PUNAKAIKI - Just Nth of Canoe Creek						1116	1299	1287	1083	1004	738	640	694
6	ID:00800336	ALEXANDRA - Sth Near Butchers Dam	1724	1719	1946	2113	2082	2324	2560	2402	2231	2338	1845	1768	1822
6	ID:01S10713	BURNSIDE - Sth Bound	14843	14950	15267	15207	16201	15593	13736	16031	15763	14996	15824	15089	15003
6	ID:01S20713	BURNSIDE - Nth Bound	10252	10325	10474	10391	11063	10595	9560	11014	10969	10361	10883	10410	10431
6	ID:01S50713	BURNSIDE - On Ramp - Nth Bound	2428	2458	2470	2436	2577	2525	2241	1502	2527	2391	2556	2432	2429
6	ID:01S60713	BURNSIDE - Off Ramp - Sth Bound	3082	3212	3247	3179	3511	3221	2909	1986	3425	3094	3304	3144	3086
6	ID:01S40713	BURNSIDE - Off Ramp - Nth Bound	3135	3198	3301	3323	3623	3324	2935	3455	3442	3204	3403	3281	3187
6	ID:01S40714	Burnside - Nth Bound Off Ramp	2119	2164	2243	2197	2392	2230	2026	2306	2285	2120	2251	2099	2090
6	ID:01S00765	MILTON	5370	5087	5783	6210	6549	6662	6464	6830	6515	6520	6005	5478	5568
6	ID:06A00001	FRANKTON	16567	17027	16466	16037	17256	18230	18799	18404	18036	17754	15940	16281	18324
6	ID:08500161	GALLOWAY	1643	1683	1838	1807	1946	2175	2339	2174	1969	2022	1841	1671	1702
6	ID:08800004	RAVENSBORNE	7777	8013	8409	8313	8958	8548	7689	8839	8815	8033	8574	8174	8074
6	ID:01S00921	INVERCARGILL	10782	11263	11219	10862	11828	11030	9339	11404	11853	10496	11577	11032	10914
6	ID:00601147	WINTON	4159	4326	4444	4360	4577	4825	4322	4757	4757	4488	4548	4307	4290
6	ID:00601082	FIVE RIVERS	1206	1168	1389	1661	1842	2180	2350	2370	2084	2022	1402	1273	1318
6	ID:01S00854	GORE	3655	3564	3684	3973	4265	4323	4101	4607	4267	4105	3990	3670	3635
6	ID:09400141	TE ANAU	510	615	753	927	1356	1436	1685	1599	1398	1358	760	625	739

Telemetry Site MADT Heavy Vehicles

NZTA Region	Site Ref	Description	Jul- 11	Aug- 11	Sep- 11	Oct- 11	Nov- 11	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12
1	ID:01N00212	KAWAKAWA	558	601	655	667	748	687	730	756		677	682	585	573
1	ID:01000029	Sth of Takou Bay Rd													
1	ID:01N00274	Nth of Maungakamea Rd	1451	1483	1510	1543	1679	1525	1862	1815	1689		1680		1506
1	ID:01200220	East of Brynderwyn Brg 161	304	314	403	419	482			297	274				
1	ID:01700006	HATFIELDS BEACH	183	193	199	211	233	223	245	257	234	188	166	152	148
1	ID:01N10459	DRURY - SB (Park Estate)	2186	2306	2323	2307	2627	2489	2308	2600	2700	2511	2599	2388	2300
1	ID:01N20459	DRURY - NB (Park Estate)	2100	2203	2205	2210	2502	2320	2246	2486	2581	2421	2478	2279	2186
1	ID:01N00336	WELLSFORD - Nth of Mangawhai Rd	763	837	880	919	1006	935	1056	1060	1001	948	936	839	
1	ID:01N10474	BOMBAY - SB	1783	1866	2000	2136	2370		2296	2316	2327	2198			1899
1	ID:01N20474	BOMBAY - NB	1838	1922	2043	2219	2425		2418	2395	2398	2312			1902
1	ID:01N00388	ALPURT	1065	1117	1139	1206	1344	1290	1435	1384	1285	1278	1227	1149	1096
1	ID:02000006	SH20 Puhinui Rd to Massey Rd	2750	3100	3084	2947	3525	3251	2891			3145	3584	3268	3149
2	ID:00200002	MAUNGATAWHIRI - West of Grahams Brg	1497	1558	1676	1718	1832			1668	1782	1770	1692		1498
2	ID:25A00024	HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	195	199	217	250	284	315	369	287	261	277	209	215	240
2	ID:02700011	KAIHERE	750	797	866	871	957	863	822	935	967	870	900	789	805
2	ID:01N00526	TAUPIRI - Nth of Gordonton Rd	1940	2102	2157	2145	2397	2169	2016	2260	2251	2107	1994		
2	ID:01N00620	LICHFIELD - Sth of Baldwin Rd	1232	1312	1437	1466	1564	1437	1334	1545	1652	1495	1508	1310	1291
2	ID:00300085	TE KUITI - Nth of 8 Mile Junction	590	637	665	675	760	671	655	737	735	713	732	627	592
2	ID:03200074	West of Taupo	97	105	122	126	145	103	102	121	104	89	84	75	71
2	ID:01N00580	KARAPIRO	1254	1483	1472	1512	1667	1626	1585	1755	1727	1649	1515	1314	1267
2	ID:00200091	WAIHI - East of Samson Rd West	686	733	746	767	854	791	808	854	861	826	797	752	665
2	ID:01N00729	HALLETTS BAY	665	663	759	750	826	744	822	888	843	756	786	712	668
2	ID:01N00628	TOKOROA - (WIM Site)	1193	1337	1504	1504	1606	1473	1416	1595			1525	1318	1319
2	ID:01N90552	GREENWOOD	1540	1709	1665	1637	1830	1686	1552	1814	1765	1578	1768		1564
2	ID:00200141	TE PUNA - West of Snodgrass	1012	1111	1126	1099	1260	1121	1087	1212	1236	1244	1325	1149	1014
2	ID:03010149	TE NGA - East End of Puarenga Brg (Inc)	887	962	962	927	1068	946	927	1022	1068	957	1029	952	909
2	ID:03020149	East end of Puarenga Brg (Dec)	888	936	944	900	1081	925	951	1039	1128	1028	1108	1027	980
2	ID:00200204	OHINEPANEA - West of Rogers Rd	664	722	824	770	861	758	719	811	723	783	805	697	658
2	ID:03000188	LAKE ROTOMA	288	310	310	309	351	301	346	372	340	349	348	310	320
2	ID:03300030	Sth of Maungarangi Rd Paengaroa	490	545	547	553	618	559	571	613	610	599	629	563	504
2	ID:00500034	TARUKENGA - 4.7km West of Dalbeth Rd	547	583	576	609	682	626	651	682	634	628	569	512	495
2	ID:02900034	KAIMAI - 100m past Boulder Brg (Kaukumoutiti Stream)	1070	1201	1258	1270	1408	1344	1243	1424	1395	1365	1305	1152	1157
2	ID:00500057	WAIIPA - Sth of SH30								972	956	905	919	829	785
2	ID:00200176	TE PUKE - (WIM Site)	1662	1848		1802	2022	1699	1652	1975	1885				1643
2	ID:00200242	AWAKERI	568	574	648	566	709	608	619	745	706	797	797	660	690
3	ID:00200428	ORMOND	241	210	229	227	258	222	257	379	244	205	237	224	202
3	ID:03500320	OKITU (New location from April 2012)	240	273	285	293	359	292	322	425	367	384	483	443	379
3	ID:00200627	TANGOIO	338	346	358	348	411	351	419	440	491	350	401	375	335
3	ID:00500230	TE POHUE - 1km Nth of Oakmere Station Gateway	467	472	525	483	573	460	458	583	694	564	607	525	505
3	ID:05000010	Nth of Tutae kuri River	1205	1269	1341	1242	1418			1547	1588	1432	1518	1381	1241
3	ID:00300171	TONGAPORUTU Brg	348	399	410	433	488	402	464	457	440	428	424	384	353
3	ID:00300267	TARIKI	803	960	1008	1034	1134	1008	987	1063	1097	1048	1070	884	848
3	ID:00300370	WAITOTARA	414	571	561	598	671	614	565	599	642	672	623	480	480
3	ID:04500101	OHAWEE BEACH Rd	235	370		605	584	530	501	497	463	434	342	237	243
3	ID:01N00930	SANSON	1258	1372	1470	1501	1638	1557	1477	1636	1646	1552	1536	1355	1334
3	ID:01N00988	OHAU	1315	1366	1411	1401	1496	1444	1376	1559	1494	1388	1423	1305	1305
3	ID:00200755	NORSEWOOD	493	525	603	580	618	566	621	698	704	653	652	513	499
3	ID:00300489	MANAWATU GORGE	642	723										426	
3	ID:00400133	HOROPITO	275	297	294	270	288	259	285	325	317	296	291	277	270
3	ID:00400226	UPOKONGARO	138	138	139	133	195	155	184	175	181	163	151	143	128

Telemetry Site MADT Heavy Vehicles

NZTA Region	Site Ref	Description	Jul- 11	Aug- 11	Sep- 11	Oct- 11	Nov- 11	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12
3	ID:01N00827	HIHITAH	784	740	830	883	967	839	829	993	1004	914	938	822	825
4	ID:01N11068	NGAURANGA - SH1 Sth Bound Lanes	571			744	818	735	709	813	765	710	778	751	705
4	ID:00200895	CLAREVILLE - Nth of Whites Line	463	506	600	606	660	588	569	686	670	600	576	476	487
4	ID:00200937	RIMUTAKA - Pukuratahi River Brg	278	251		335	391	342	359	401	380		328	266	283
4	ID:01N01036	PUKERUA BAY - (Piezo Axle Classification)	1641	1745	1794	1732	1874	1769	1619	1896	1871	1738	1863	1675	1702
4	ID:01N21068	NGAURANGA - SH1 Nth Bound Lanes	703	701	703	697	766	586	668	769	740	671	733	682	689
4	ID:05800009	Pauatahanui East	641		659	630	707	666	619	738	668	551	560	507	490
4	ID:00210979	NGAURANGA - SH2 Sth Bound Lanes	700			870	963	824	800	891	883	810	872	876	794
4	ID:00220979	NGAURANGA - SH2 Nth Bound Lanes	708	755	780	756	865	567	694	778	762	692	757	738	723
4	ID:00210965	KELSON - SB	634	648	672	646	754	672	643	777	760	699	723	619	631
4	ID:00220965	KELSON - NB	548	555	587	562	646	600	546	663	699	669	679	583	580
4	ID:00600122	STOKE - Whakatu Drive at Songer St	1141	1239	1252	1167	1349	1168	1291	1355	1415	1273	1347	1181	1183
4	ID:00600232	MURCHISON		237	258	293	320	314		349	328	310	260	189	211
4	ID:00600100	HIRA		440		430	501	453	495	533	522	479	478	428	
4	ID:06000040	SH60 Riwaka	145	165	176	193	254	253	312	308	291	261	219	152	145
4	ID:01S00037	Blenheim		531	577	589	649	580	637	669		714	616	489	454
4	ID:06300096	ST ARNAUD		30	32	39	41	38	41	46	43	39	33		20
5	ID:01S00389	DUNSANDEL	1245	1227	1434	1496	1627	1562	1554	1632	1554	1484	1453	1202	1196
5	ID:01S00505	EVANS St Timaru	1163	1306	1356	1561	1706	1485	1494	1638	1619	1539	1537	1240	1211
5	ID:07300064	Springfield - West of Township	116	162	180	192	215	202	241	216	196	191	184	140	155
5	ID:01S00144	KAIKOURA - Nth of Hapuku River	422	429	473	480	534	478	538	559	532	486	486	439	411
5	ID:01S00522	ST ANDREWS	672	758	884	926	975	912	963	1006	985	952	930	716	684
5	ID:00700108	LEWIS PASS	141	152	166	191	193	192	237	215	201	193	175		140
5	ID:07409005	QE II Drive East Of Main Nth Rd			629	592	707	611	557		592	500			
5	ID:01S00285	WAIPARA - (WIM Site)	959	986	1191	1219	1344	1271	1377	1413	1273		1134	933	919
5	ID:01S10327	WAIMAKARIRI BRIDGE - SB	1017	1074	1256	1274	1406	1238	1271	1419	1386	1316	1384	1188	1226
5	ID:01S20327	WAIMAKARIRI BRIDGE - NB	942	997	1150	1156	1289	1203	1135	1287	1264	1208	1241	1061	1082
5	ID:00800059	FAIRLIE	149	168	199	224	276	303	336	318	302	318	202	162	161
5	ID:00600454	CHESTERFIELD	188	230	324	373	397	377	378	380	342	325	284	188	207
5	ID:00700239	AHAURA				205	235			195	195	178	148	135	143
5	ID:00600398	PUNAKAIKI - Just Nth of Canoe Creek	57	72	90	101	113	105	110	118	109	103	72	57	57
6	ID:00800336	ALEXANDRA - Sth Near Butchers Dam	150	167	186	195	209	236	273	257	239	224	202	159	164
6	ID:01S10713	BURNSIDE - Sth Bound	702	736	837	840	900	834	831	952	923	837	850	717	710
6	ID:01S20713	BURNSIDE - Nth Bound	532	570	659	670	710	643	664	742	729	641	658	545	536
6	ID:01S50713	BURNSIDE - On Ramp - Nth Bound	117	112	113	111	123	111	106	68	131	128	130	111	109
6	ID:01S60713	BURNSIDE - Off Ramp - Sth Bound	179	184	191	192	206	187	174	122	216	195	197	183	187
6	ID:01S40713	BURNSIDE - Off Ramp - Nth Bound	112	113	124	129	146	140	129	155	158	148	140	121	118
6	ID:01S40714	Burnside - Nth Bound Off Ramp	64	64	71	70	71	64	64	79	75	70	74	67	69
6	ID:01S00765	MILTON	556	599	786	868	928	890	915	953	921	836	807	614	610
6	ID:06A00001	FRANKTON	756	792	813	817	939	957	1127	1386	987	892	746	663	797
6	ID:08500161	GALLOWAY	95	105	114	111	126	127	148	152	144	135	128	99	96
6	ID:08800004	RAVENSBOURNE	354	389	454	465	555	487	491	549	513	490	500	406	388
6	ID:01S00921	INVERCARGILL	325	374	375	366	395	343	304	376	383	336	374	365	380
6	ID:00601147	WINTON	324	409	454	442	434	476	453	518	515	471	428	347	336
6	ID:00601082	FIVE RIVERS	106	127	143	170	227	238	249	246	227	207	161	127	132
6	ID:01S00854	GORE	340	405	478	533	573	560	554	628	596	540	507	372	337
6	ID:09400141	TE ANAU	48	66	81	104	160	156	175	172	161	156	79	61	77