



Traffic Volumes Monthly Report
April 2009

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Quality Assurance Statement

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Revision Schedule

| Rev. No | Date | Description | Prepared by | Reviewed by | Approved by |
|---------|----------|-------------|-------------|--------------|---------------|
| 1 | 8/5/2009 | First draft | Gerald Wen | Neil Beckett | Chris Parkman |
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Overview

Summary

The purpose of this document is to report on the monthly traffic volume changes. This report also covers annual traffic trends for the period of 1989 to 2008.

The overall annual trend in traffic growth, up to 2007, has continued to increase.

In April 2009, compared with April 2008, the monthly average daily traffic (MADT) for all vehicles had increased by 2.4 percent; however the MADT for heavy vehicles had reduced by 4.5 percent.

In this report This report contains the following topics.

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Technical Notes

What is MADT and AADT

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

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

Purpose

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

Sample coverage

There are 87 telemetry¹ sites in use on the state highway network to provide this traffic data.

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

| NZ Transport Agency Region | Number of Telemetry Sites |
|--|----------------------------------|
| Northland and Auckland | 18 |
| Waikato and Bay of Plenty | 19 |
| Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne | 15 |
| Wellington, Nelson, Marlborough and Tasman | 13 |
| Canterbury and West Coast | 11 |
| Otago and Southland | 11 |

Sources of variation in MADT

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

¹ Telemetry sites are continuously monitored 24/7.

Key Results

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

Overall

Since 1989, traffic has generally grown across the network. From 1999, the index for heavy vehicles starts to increase at a higher rate than the index for all vehicles. In 2006 there was a minor reduction in cars and light vehicles whilst the number of heavy vehicles showed negligible growth followed by both indexes reaching a peak in 2007.

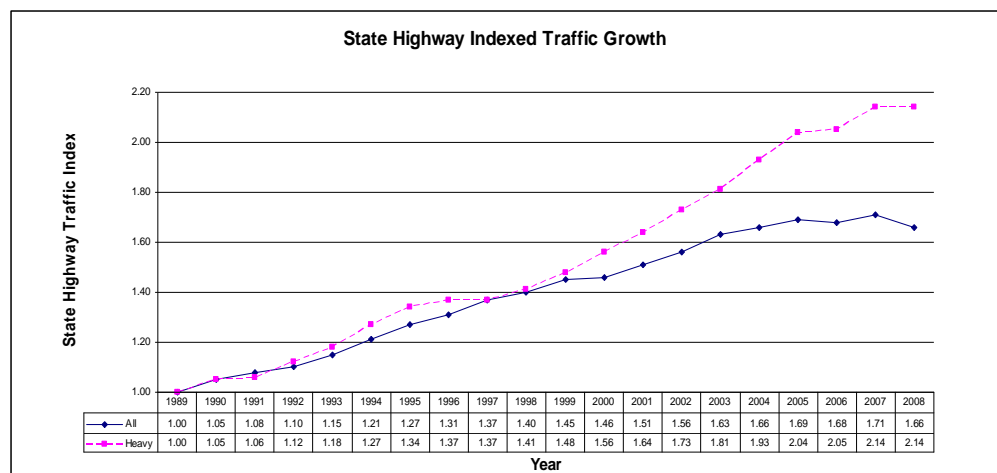
2008 All Vehicles

In 2008, the all vehicle index returned to similar levels to those observed in 2005 and 2006.

2008 Heavy Vehicles

In 2008, the heavy vehicle index remained at the same level as observed in the previous year.

National growth (annual)



¹ Weighted average traffic across the 86 telemetry sites

**Results:
Monthly
traffic at key
sites**

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

The MADT values for April 2009, April 2008 and percentage of difference compared are reported in the table below.

Note the MADT values include all vehicles.

| Site | City | MADT (All Vehicles) April-08 | MADT (All Vehicles) April-09 | % Change |
|--|--------------|------------------------------------|------------------------------------|----------|
| Auckland harbour bridge (SH1) | Auckland | 159011 | 158971 | 0% |
| Karapiro (SH1) | Hamilton | 15045 | 15465 | 3% |
| Ngauranga Interchange (SH 1 and SH 2combined) | Wellington | 88203 | 85956 | -3% |
| DUNSANDEL (Best Alternative) | Christchurch | 10184 | 10488 | 3% |
| Burnside (SH1 NB only) | Dunedin | 10331 | 10308 | 0% |

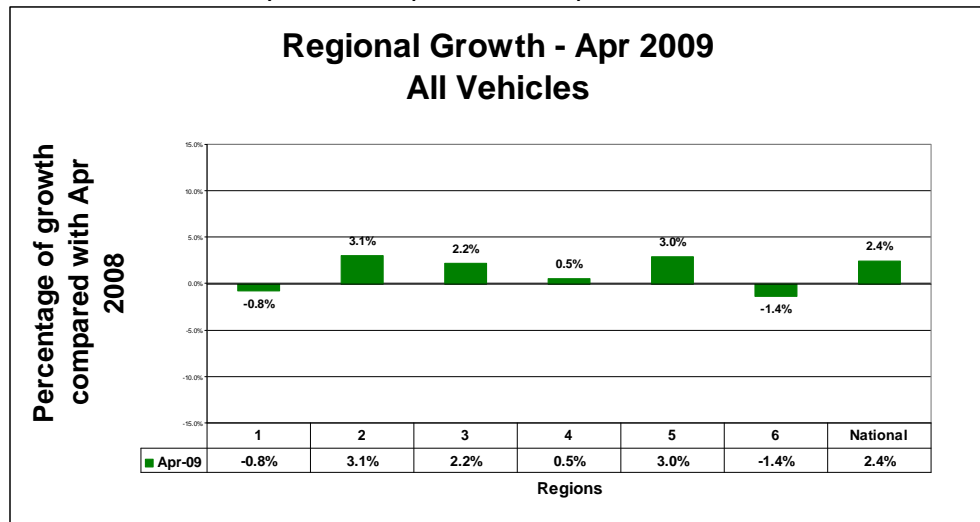
In April, the MADT values at Hamilton and Christchurch increased 3%, while Auckland and Dunedin had remained the same levels when compared to the same period in the previous year with only Wellington showing a drop of 3 percent.

Results: All Vehicles

Regions

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

The diagram below shows the percentage of difference compared with the same period in 2008. The MADT values here represent all vehicle types. It can be observed that region 1 and 6 had a small decrease, while all other regions had an increase in MADT. Nationally, the MADT in April 2009 for all vehicles increased by 2.4% compared with April 2008.



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

More graphs

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

All sites

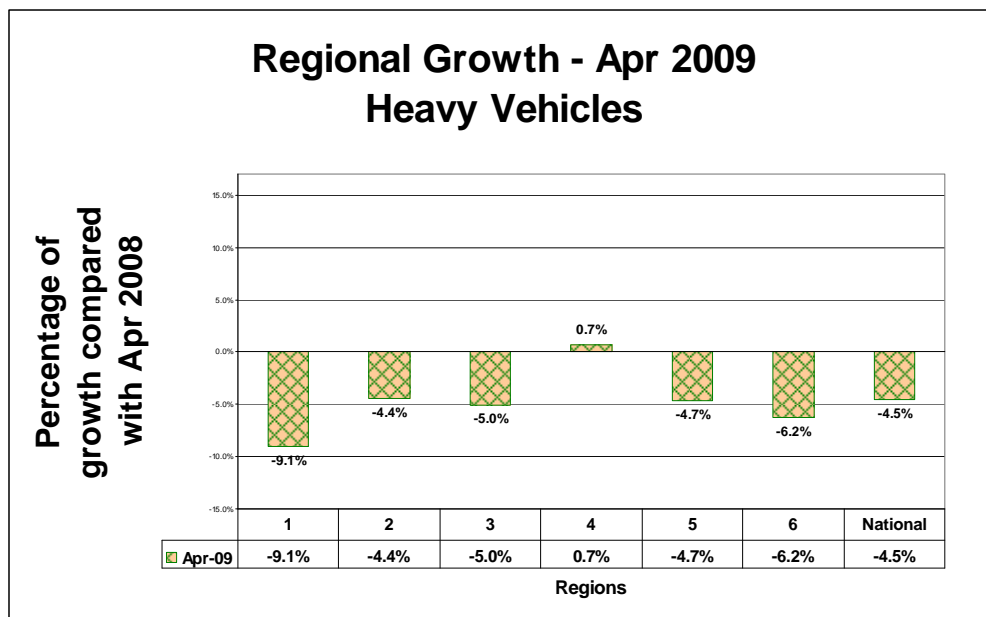
A table of MADT (all vehicles) values for all national telemetry sites is attached to this report.

Results: Heavy Vehicles

Regions

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

The diagram below shows the percentage of difference compared with the same period in 2008. The MADT values here represent heavy vehicles only. It can be observed that only region 4 had a very minor increase, while all other regions showed a decrease, with region 1 having the largest decrease of 9.1%. Nationally, the MADT in April 2009 for heavy vehicles dropped 4.5% compared with April 2008.



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

More graphs

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

All sites

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

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

Appendices

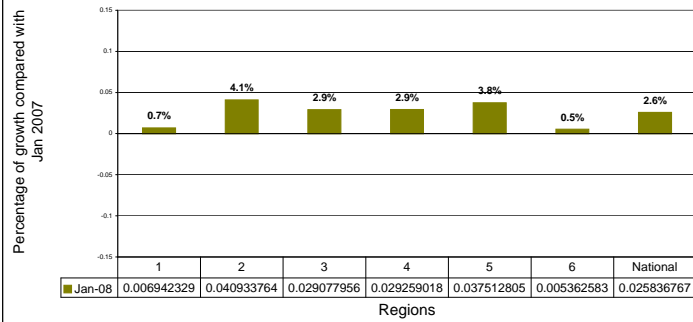
Current and Previous Years Growth Graphs

- All Vehicles
- Heavy Vehicles

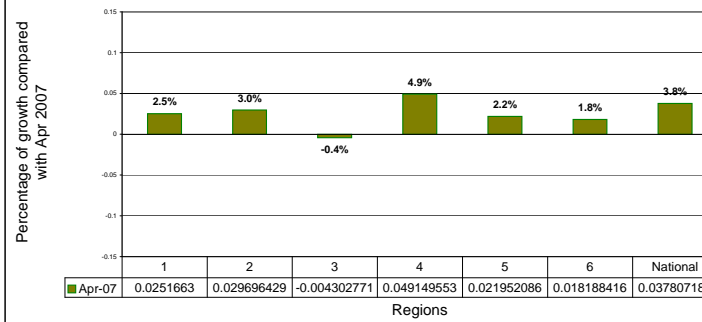
Telemetry Site MADT's for 2009

- All Vehicles
- Heavy Vehicles

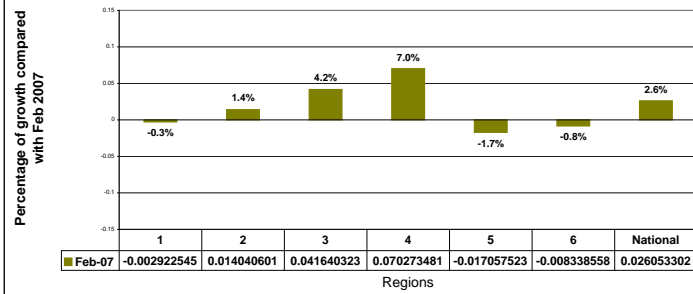
Regional Growth - Jan 2007 All Vehicles



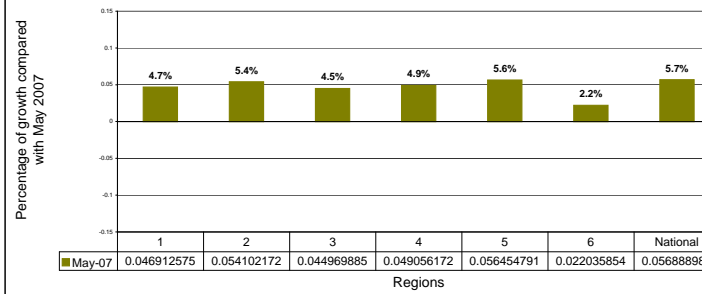
Regional Growth - Apr 2007 All Vehicles



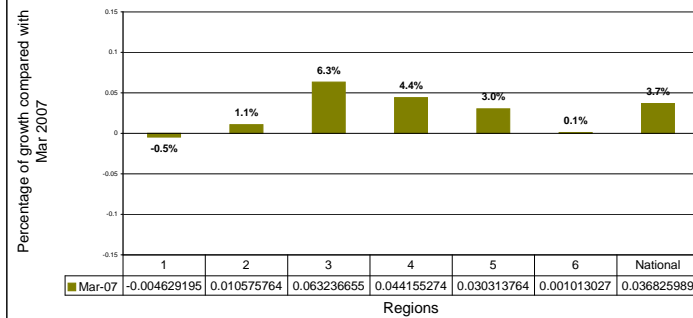
Regional Growth - Feb 2007 All Vehicles



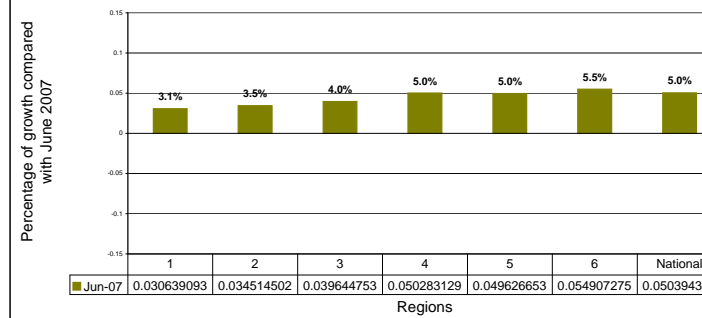
Regional Growth - May 2007 All Vehicles



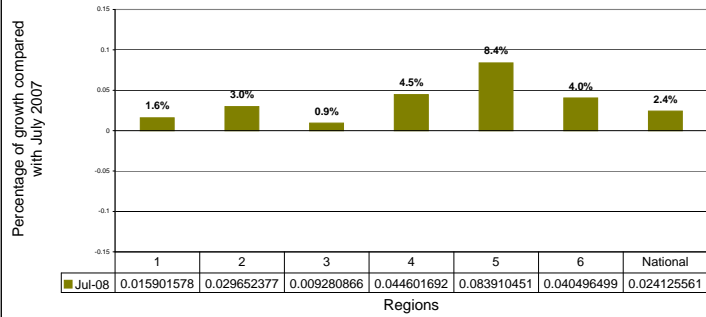
Regional Growth - Mar 2007 All Vehicles



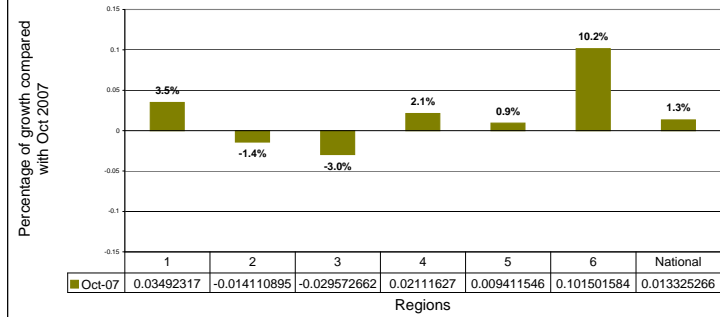
Regional Growth - June 2007 All Vehicles



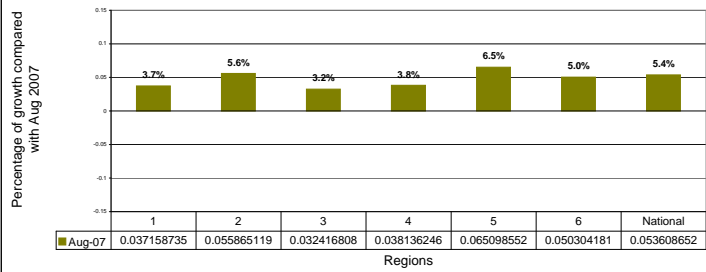
Regional Growth - July 2007 All Vehicles



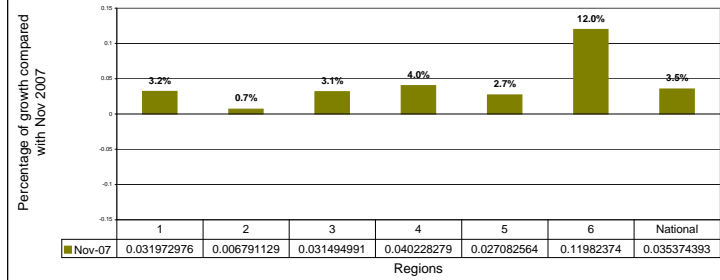
Regional Growth - Oct 2007 All Vehicles



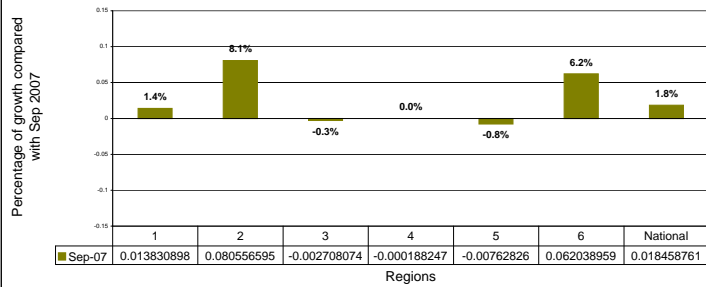
Regional Growth - Aug 2007 All Vehicles



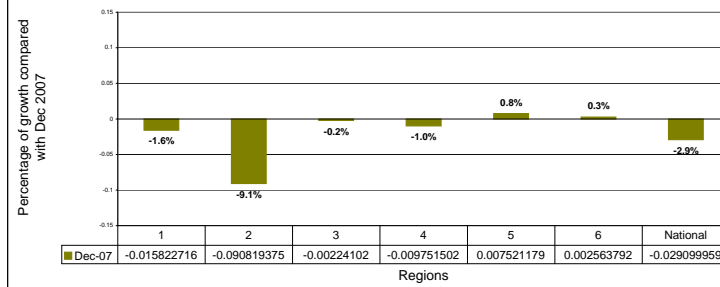
Regional Growth - Nov 2007 All Vehicles



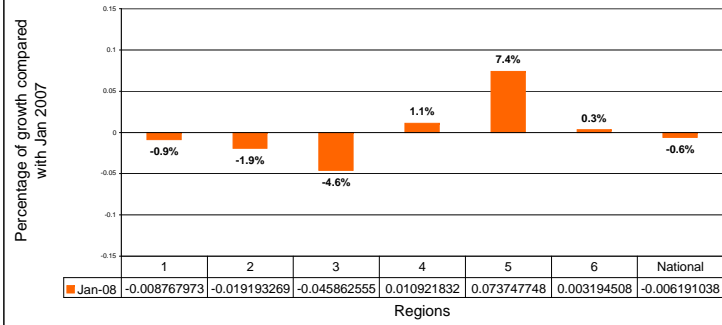
Regional Growth - Sep 2007 All Vehicles



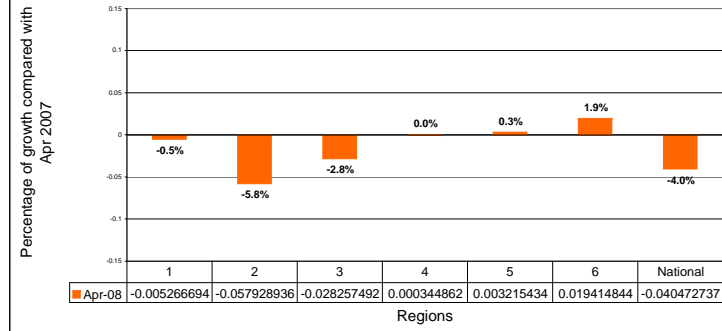
Regional Growth - Dec 2007 All Vehicles



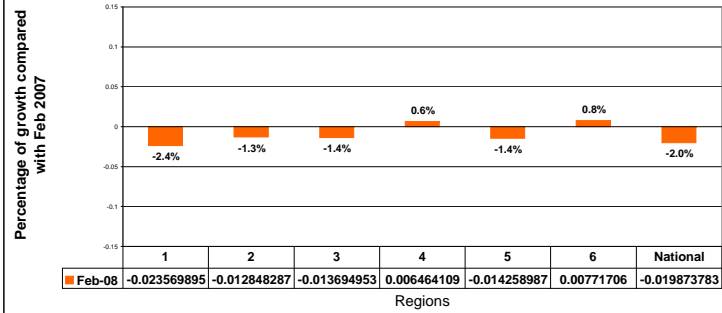
Regional Growth - Jan 2008 All Vehicles



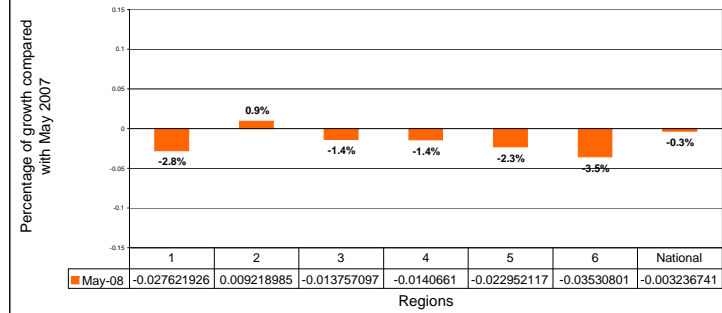
Regional Growth - Apr 2008 All Vehicles



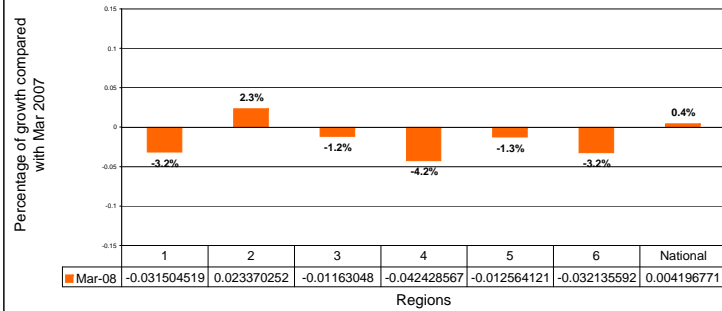
Regional Growth - Feb 2008 All Vehicles



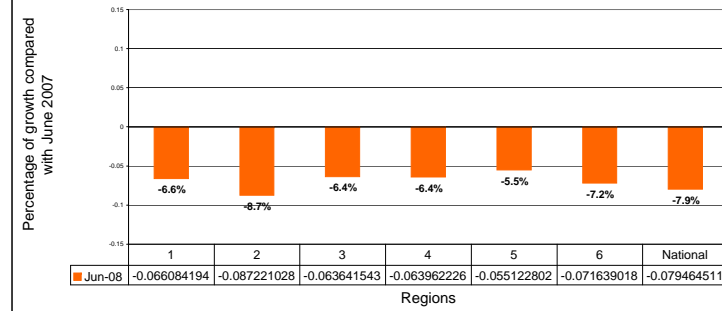
Regional Growth - May 2008 All Vehicles



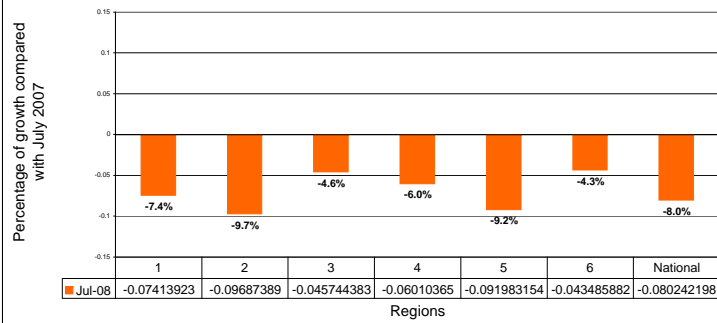
Regional Growth - Mar 2008 All Vehicles



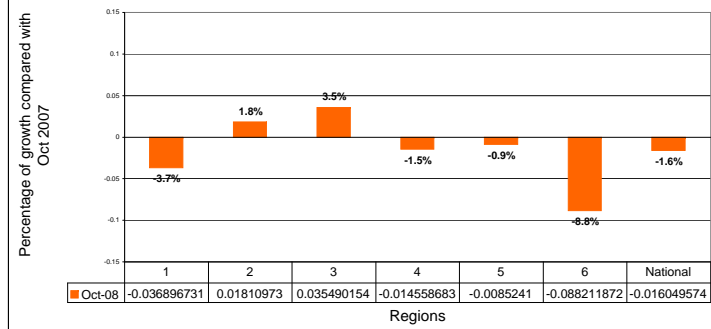
Regional Growth - June 2008 All Vehicles



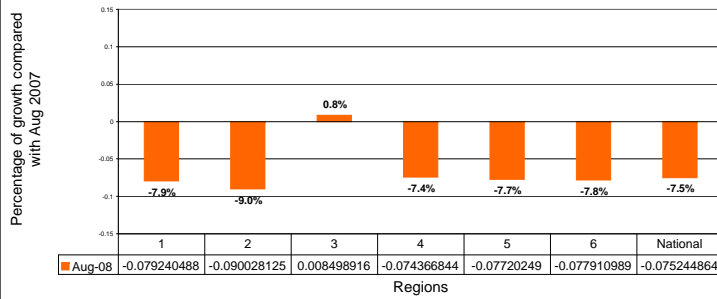
Regional Growth - July 2008 All Vehicles



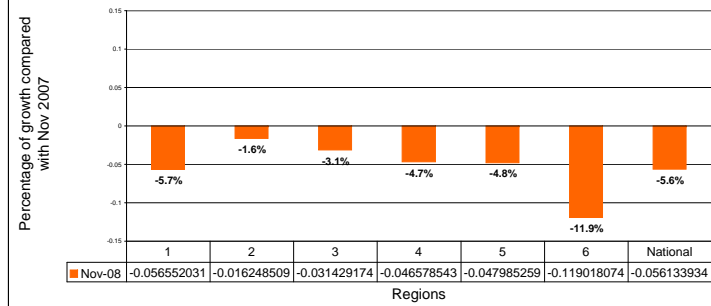
Regional Growth - Oct 2008 All Vehicles



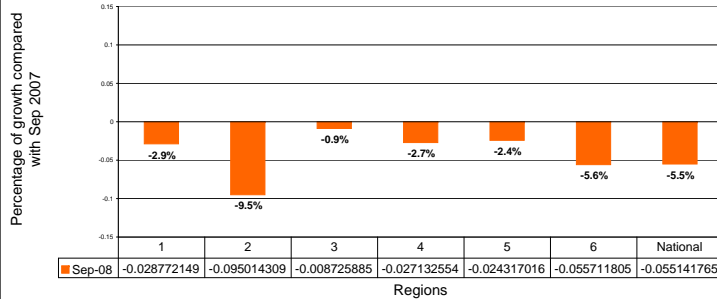
Regional Growth - Aug 2008 All Vehicles



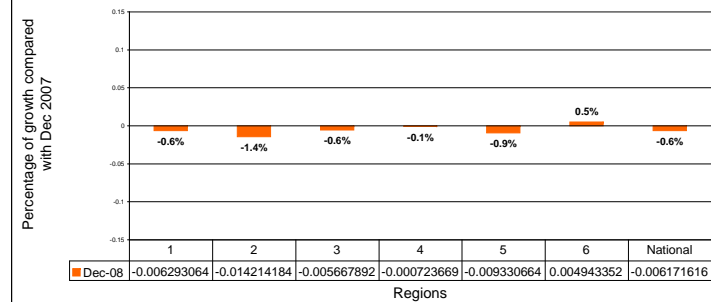
Regional Growth - Nov 2008 All Vehicles



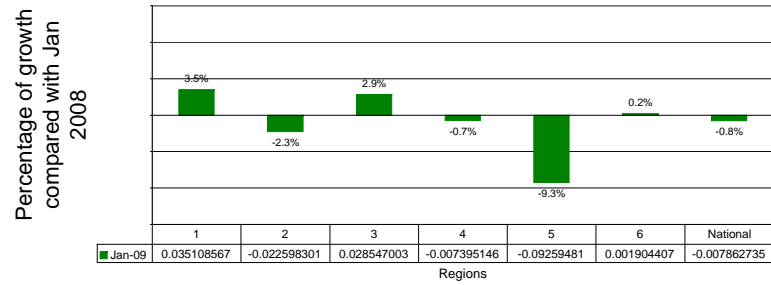
Regional Growth - Sep 2008 All Vehicles



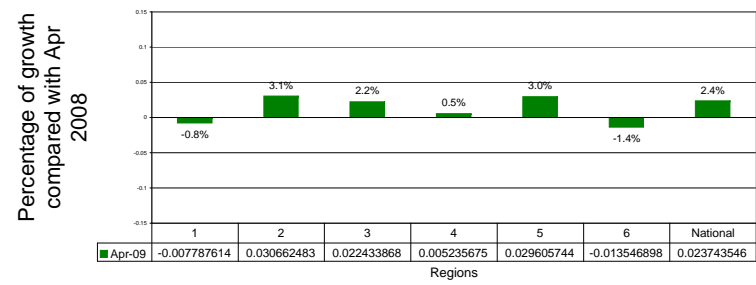
Regional Growth - Dec 2008 All Vehicles



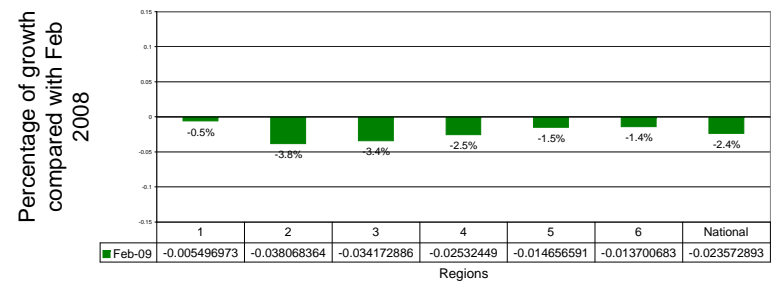
Regional Growth - Jan 2009
All Vehicles



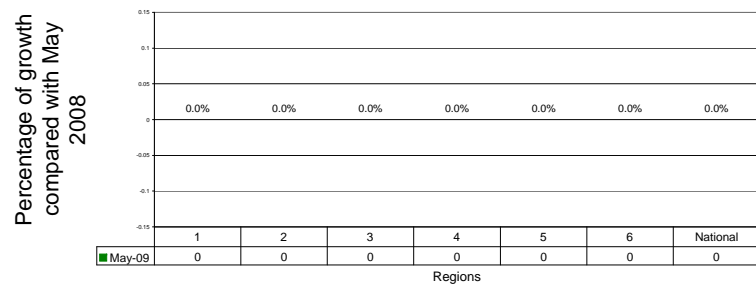
Regional Growth - Apr 2009
All Vehicles



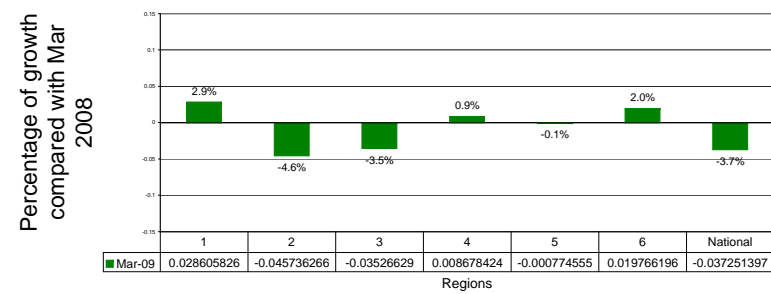
Regional Growth - Feb 2009
All Vehicles



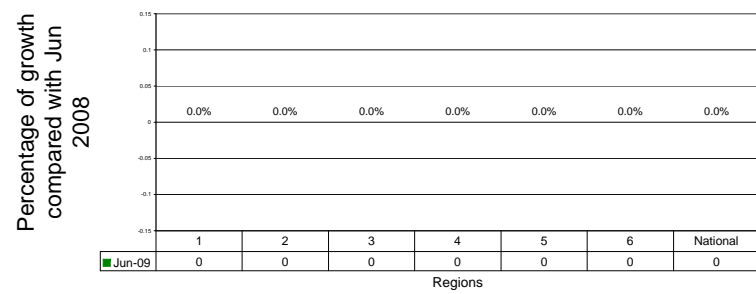
Regional Growth - May 2009
All Vehicles



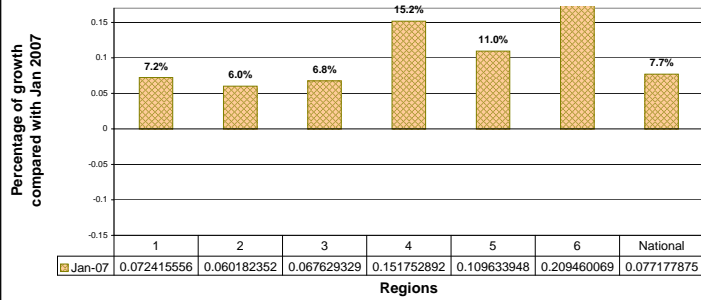
Regional Growth - Mar 2009
All Vehicles



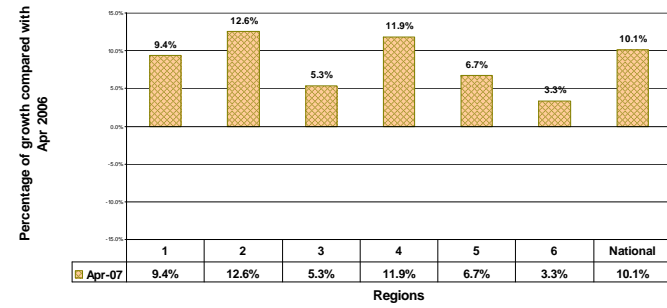
Regional Growth - Jun 2009
All Vehicles



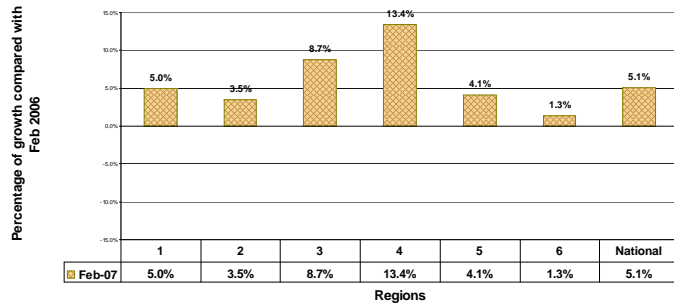
Regional Growth - Jan 2007 Heavy Vehicles



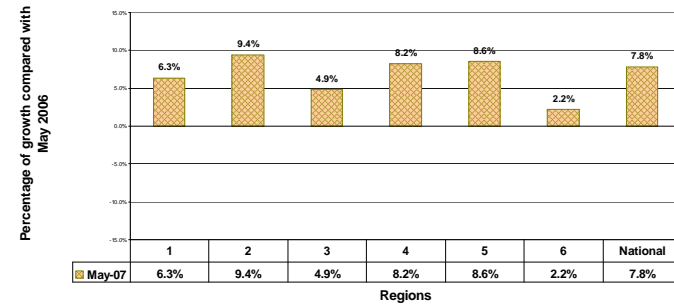
Regional Growth - Apr 2007 Heavy Vehicles



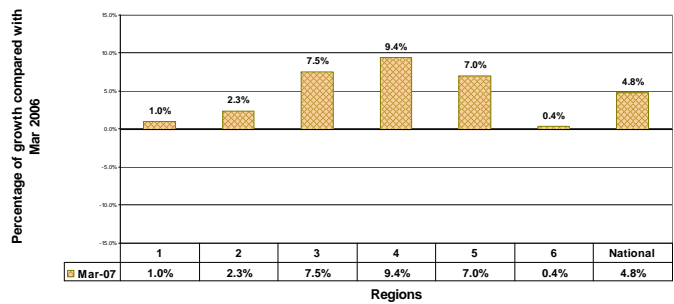
Regional Growth - Feb 2007 Heavy Vehicles



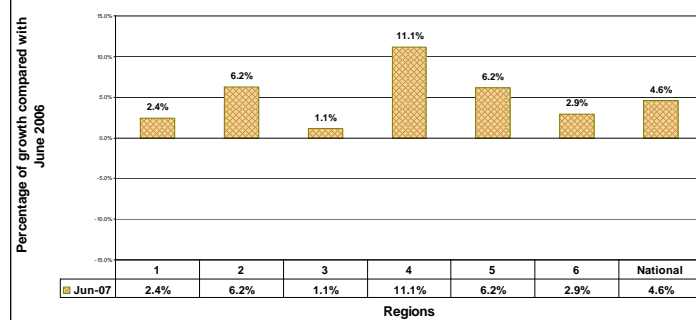
Regional Growth - May 2007 Heavy Vehicles



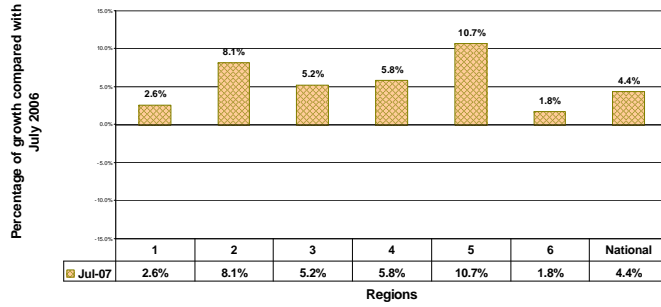
Regional Growth - Mar 2007 Heavy Vehicles



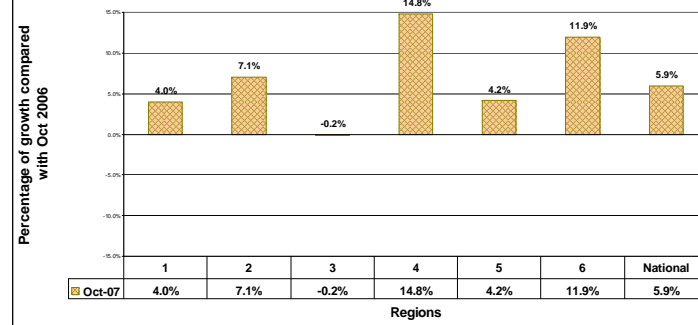
Regional Growth - June 2007 Heavy Vehicles



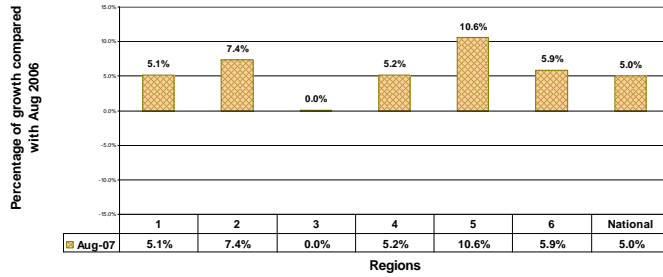
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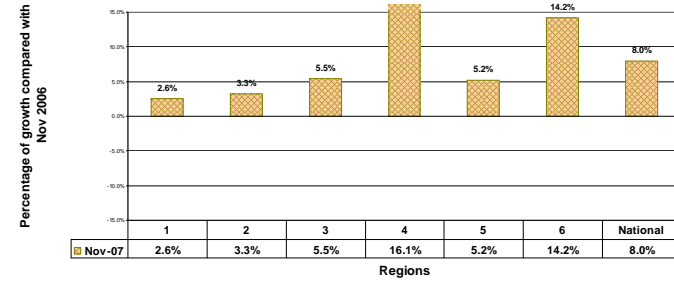
Regional Growth - Oct 2007 All Vehicles



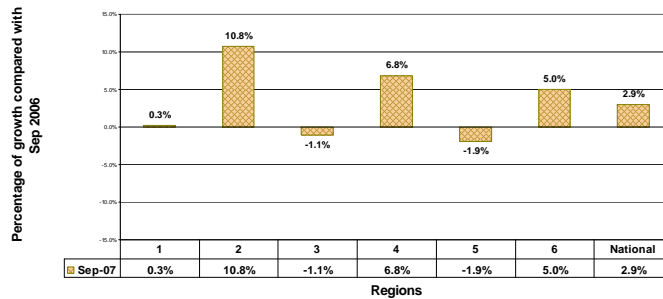
Regional Growth - Aug 2007 Heavy Vehicles



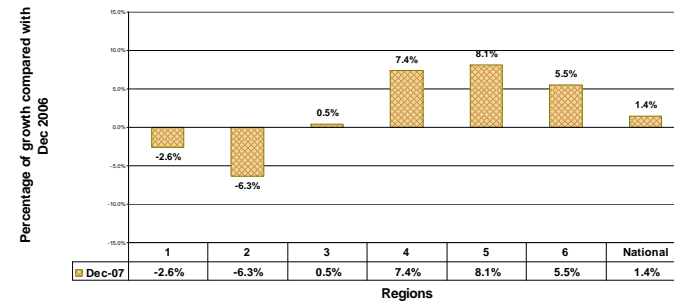
Regional Growth - Nov 2007 Heavy Vehicles



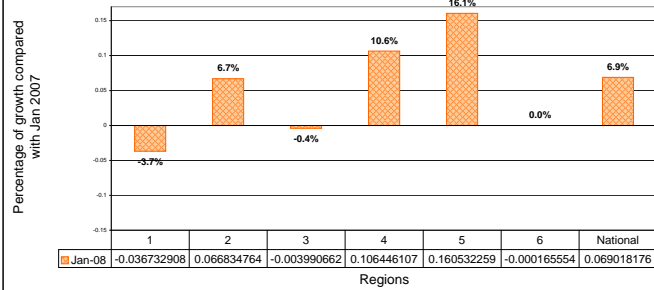
Regional Growth - Sep 2007 All Vehicles



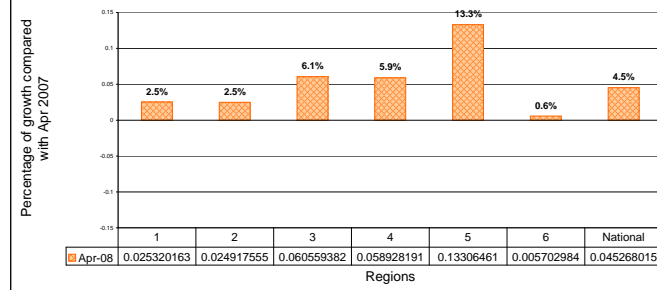
Regional Growth - Dec 2007 Heavy Vehicles



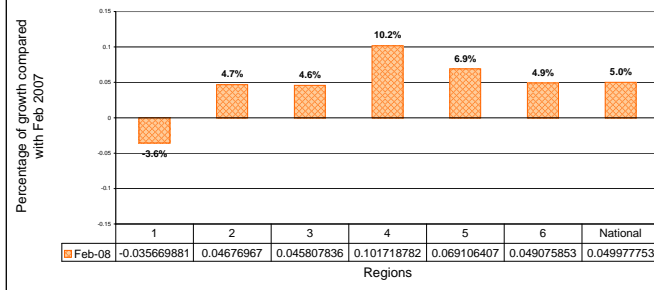
Regional Growth - Jan 2008 Heavy Vehicles



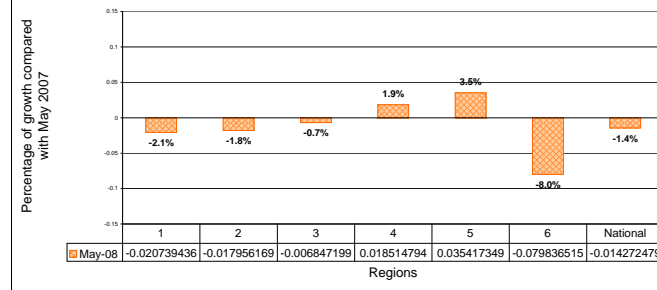
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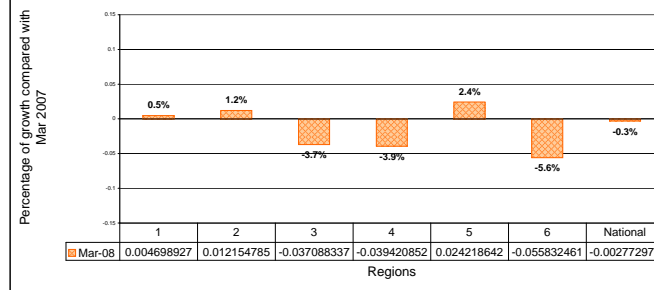
Regional Growth - Feb 2008 Heavy Vehicles



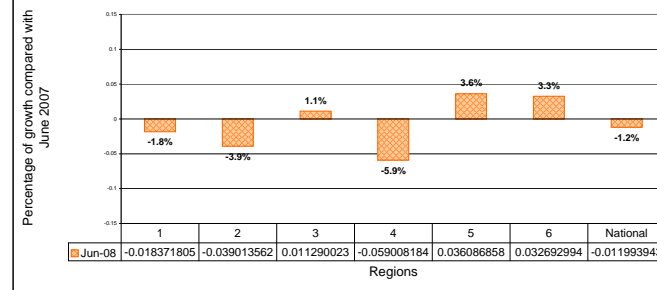
Regional Growth - May 2008 Heavy Vehicles



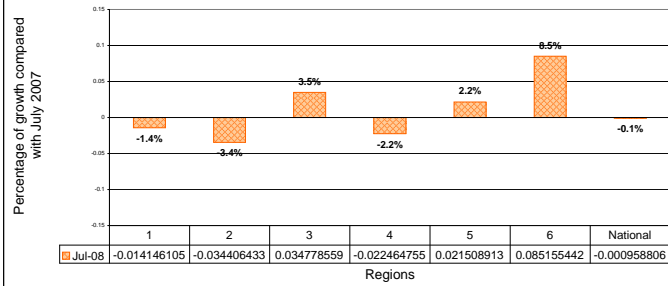
Regional Growth - Mar 2008 Heavy Vehicles



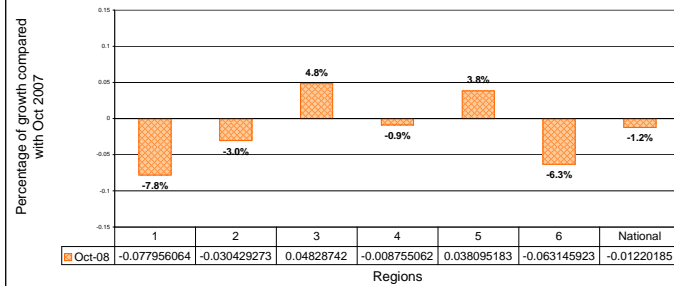
Regional Growth - June 2008 Heavy Vehicles



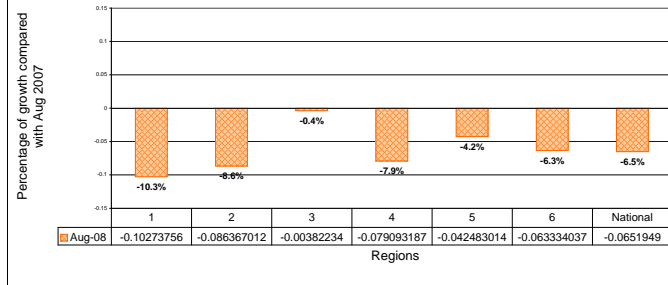
Regional Growth - July 2008
Heavy Vehicles



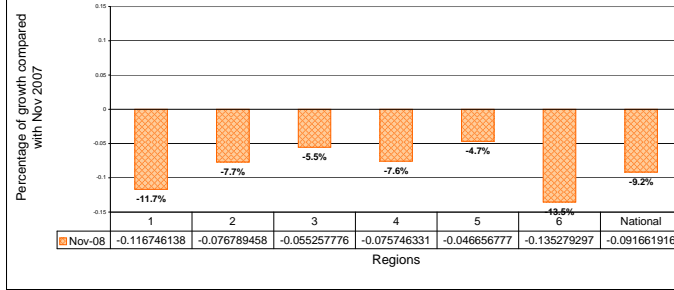
Regional Growth - Oct 2008
Heavy Vehicles



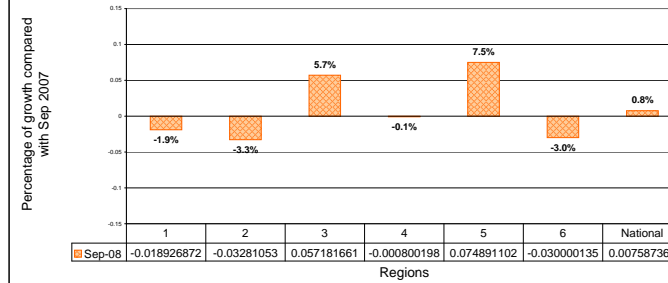
Regional Growth - Aug 2008
Heavy Vehicles



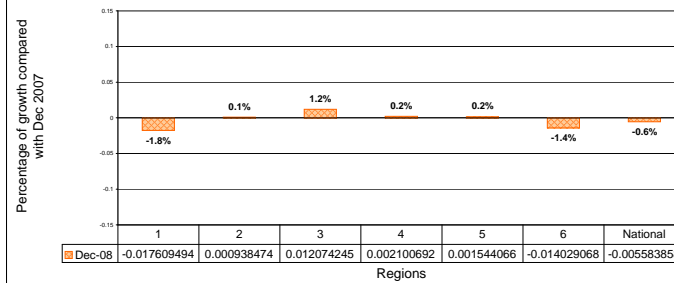
Regional Growth - Nov 2008
Heavy Vehicles



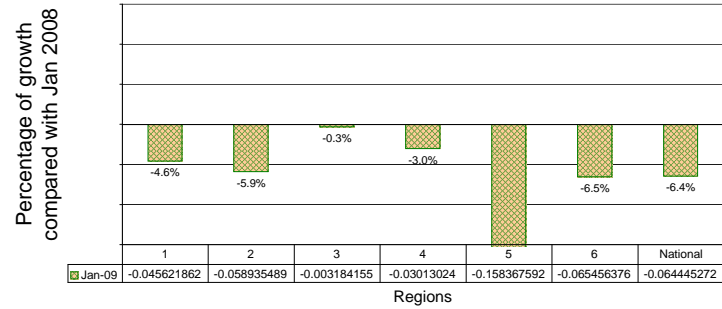
Regional Growth - Sep 2008
Heavy Vehicles



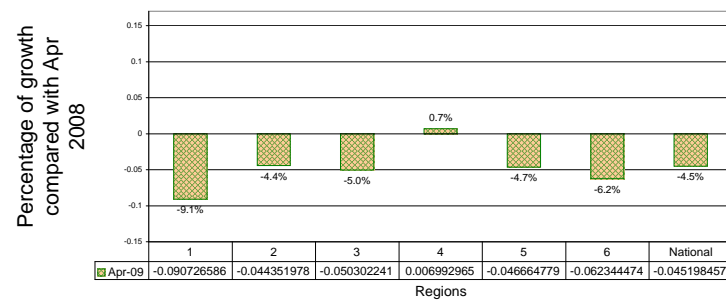
Regional Growth - Dec 2008
Heavy Vehicles



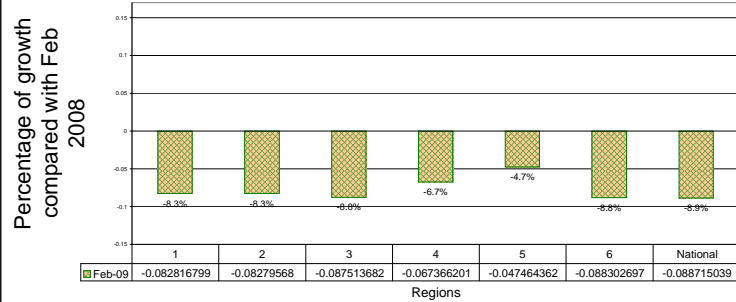
Regional Growth - Jan 2009
Heavy Vehicles



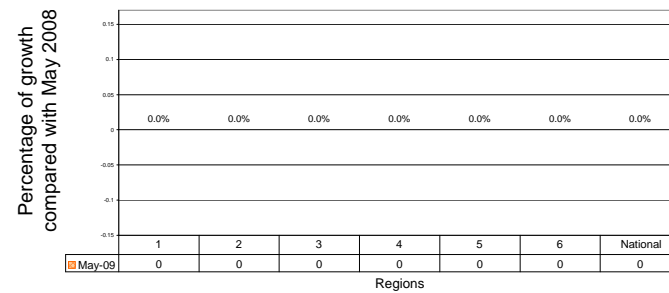
Regional Growth - Apr 2009
Heavy Vehicles



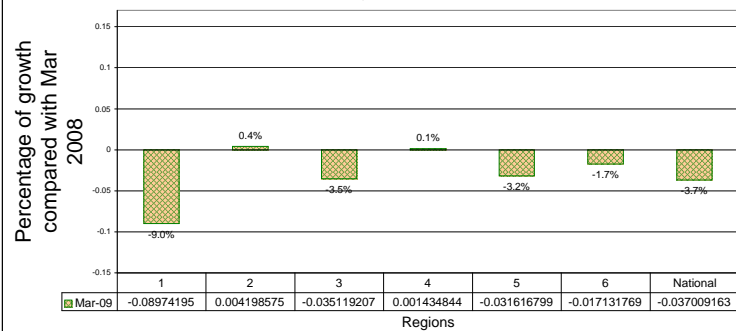
Regional Growth - Feb 2009
Heavy Vehicles



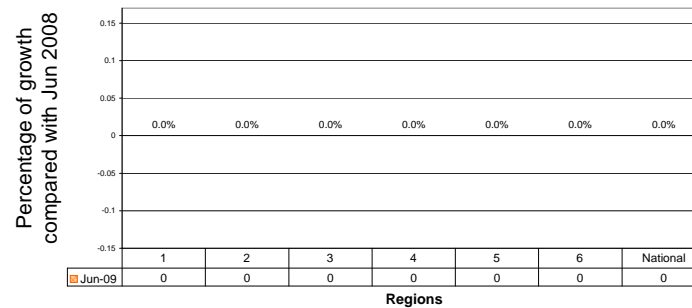
Regional Growth - May 2009
Heavy Vehicles



Regional Growth - Mar 2009
Heavy Vehicles



Regional Growth - Jun 2009
Heavy Vehicles



Telemetry Site MADT All Vehicles

| NZTA Region | Site Ref | Description | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 |
|-------------|-------------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | ID:01N00212 | KAWAKAWA | 6187 | 5685 | 5090 | 4971 | 5072 | 5422 | 6039 | 5912 | 6891 | 7464 | 6603 | 6302 | 6472 |
| 1 | ID:01000029 | Sth of Takou Bay Rd | | | 3220 | 3036 | 2960 | | 3431 | 3416 | 3744 | 5381 | 4080 | 3729 | 4037 |
| 1 | ID:01N00274 | Nth of Maungakaramea Rd | | 13584 | | | | | 13620 | 13535 | | | | 14461 | 14893 |
| 1 | ID:01200220 | East of Brynderwyn Brq 161 | | 2688 | | 2417 | | | 2651 | 2727 | 2830 | | 3062 | | 2962 |
| 1 | ID:01N00130 | Nth of Ramseys Brq | | | | | | | | 1044 | | | | | 1232 |
| 1 | ID:01N00265 | Sth of Selwyn Avenue | | 22162 | 21364 | 20290 | 21054 | 21357 | | | | | 22219 | 22761 | |
| 1 | ID:01N00388 | HATFIELDS BEACH | 17775 | 16548 | 14853 | 14594 | 14826 | 16051 | 17552 | 17767 | 20581 | 19605 | 6876 | 6279 | 6076 |
| 1 | ID:01N10459 | DRURY - SB | 28780 | 28175 | 25893 | 25764 | 25866 | 27270 | 27904 | 28199 | 30297 | 28681 | 29162 | 29117 | 28896 |
| 1 | ID:01N20459 | DRURY - NB | 28859 | 27996 | 26540 | 25986 | 26052 | 27278 | 28175 | 28249 | 29186 | 30036 | 29336 | 29520 | 29247 |
| 1 | ID:01N00339 | WELLSFORD | 9127 | 8301 | 7554 | 7433 | 7358 | | 8917 | 8660 | 10436 | 11660 | | | |
| 1 | ID:01N10440 | PANAMA Rd - SB | 61541 | 61538 | 57765 | 57837 | 58572 | 61851 | 61182 | 62566 | 61517 | 57398 | 61880 | 63111 | 60607 |
| 1 | ID:01N20440 | PANAMA RD - NB | 58623 | 58086 | 55241 | 55069 | 55876 | 59171 | 58470 | 59782 | 57983 | 56151 | 58456 | 59312 | 57379 |
| 1 | ID:01N10474 | BOMBAY - SB | 17802 | 16623 | 15263 | 15147 | 15249 | 16233 | 17377 | 17068 | 19788 | 19226 | 18252 | 17926 | 18572 |
| 1 | ID:01N20474 | BOMBAY - NB | 17776 | 16355 | 15726 | 15188 | 15169 | 15969 | 17283 | 16986 | 18224 | 20285 | 18148 | 18245 | 18615 |
| 1 | ID:01N00424 | Auckland Harbour Brq - Centre Span | 77967 | 75750 | 69070 | 67950 | 76880 | 80840 | 79165 | 82306 | 80475 | 73761 | 77309 | 78775 | 81280 |
| 1 | ID:01N10424 | Auckland Harbour Brq - Left Clip-on | 40842 | 40277 | 38444 | 38016 | 38804 | 40551 | 41386 | 42359 | 41939 | 38414 | 42550 | 43523 | 41312 |
| 1 | ID:01N20424 | Auckland Harbour Brq - Right Clip-on | 40202 | 42790 | 40237 | 38948 | 34592 | 35216 | 34269 | 35631 | 29794 | 30641 | 38432 | 38935 | 36379 |
| 2 | ID:00200002 | MAUNGATAWHIRI | 12737 | 11773 | 10618 | 10309 | 10538 | 11282 | 12703 | 11926 | 14799 | 16390 | 13621 | 13118 | 13693 |
| 2 | ID:25A00011 | NEEVESVILLE | 3049 | 3342 | 2292 | 2211 | 2451 | 2590 | 3317 | 3060 | 4462 | 5925 | 3748 | 3346 | 3584 |
| 2 | ID:02700011 | KAIHERE | 4247 | 3820 | 3477 | 3455 | 3474 | 3614 | 4052 | 3734 | 4307 | 4349 | 4219 | 4216 | 4640 |
| 2 | ID:01N00526 | TAUPIRI | 20885 | 19901 | 18835 | 18924 | 18988 | 19725 | 20592 | 20730 | 21629 | 20987 | 20924 | 21447 | 21618 |
| 2 | ID:01N00620 | LICHFIELD | 9337 | 8767 | 7951 | 8101 | 8025 | 8578 | | | 9490 | 9475 | 9209 | 9202 | 9421 |
| 2 | ID:00300085 | TE KUITI | 4034 | 3777 | 3680 | 3935 | 3929 | 4162 | 5128 | 3808 | 4342 | 4324 | 3941 | 4061 | 4342 |
| 2 | ID:03200074 | West of Taupo | 766 | 596 | 538 | 560 | 595 | 699 | 750 | 769 | 856 | 956 | 875 | 779 | 879 |
| 2 | ID:01N00580 | KARAPIRO | 15045 | 13979 | 13473 | 12909 | 13065 | 13713 | 14731 | 14832 | 15751 | 15971 | 15333 | 15230 | 15465 |
| 2 | ID:00200091 | WAIHI | 7451 | 9375 | 6284 | 6069 | 6099 | 6528 | 7361 | 7201 | 9252 | 9800 | 8025 | 7734 | 7876 |
| 2 | ID:01N00729 | HALLETTS BAY | 5339 | 4640 | 4163 | 4933 | 4686 | 4986 | 5485 | 5127 | 6265 | 7050 | 5966 | 5363 | 5954 |
| 2 | ID:00200141 | TE PUNA | 16033 | 15801 | 14268 | 13951 | 14140 | 14977 | 15434 | 15978 | 17171 | 16941 | 16374 | 16278 | 16239 |
| 2 | ID:03010149 | TE NGA | 17684 | 17363 | 16177 | 16152 | 16231 | 17051 | 17259 | | 17823 | 17317 | 17704 | 17655 | 17209 |
| 2 | ID:03020149 | East end of Puarenga Brq (Dec) | 17544 | 17318 | 16222 | 16148 | 16200 | 16970 | 17222 | | 17064 | 17418 | 17693 | 17539 | 17027 |
| 2 | ID:00200204 | OHINEPANEA | 4893 | 4640 | 4230 | 4147 | 4082 | 4376 | 4787 | 4577 | 5297 | 5562 | 4899 | 4708 | 5035 |
| 2 | ID:03000188 | LAKE ROTOMA | 3056 | 2869 | 2592 | 2526 | 2472 | 2659 | 2861 | 2729 | 3257 | 3615 | 3075 | 2887 | 3023 |
| 2 | ID:03300030 | Sth of Maungaranqi Rd Paengaroa | 4047 | 3847 | 3372 | 3379 | 3429 | 3570 | 3909 | 3960 | 4407 | 4976 | 4392 | 4137 | 4332 |
| 2 | ID:00500034 | TARUKENGA | 5435 | 4854 | 4545 | 4815 | 4421 | 4693 | 5196 | 5003 | 5554 | 5837 | 5460 | 5133 | 5677 |
| 2 | ID:02900034 | KAIMAI | 9546 | 8825 | 8775 | 7933 | 8361 | 8431 | 9089 | 9049 | 10186 | 10167 | 9402 | 9361 | 9469 |
| 2 | ID:00500057 | WAIPA | 7310 | 6864 | 6061 | 6386 | 6296 | 6646 | 7176 | 7110 | 7673 | 8134 | 7851 | 7464 | 7794 |
| 3 | ID:00200428 | ORMOND | 2960 | 2235 | 2124 | 2090 | 2106 | 2178 | 2431 | 2326 | 2780 | 3278 | 2569 | 2509 | 2467 |
| 3 | ID:00200627 | TANGOIO | 2038 | 1859 | 1739 | 1739 | 1687 | 1843 | 2087 | 2029 | 2348 | 2539 | 2234 | 2162 | 2309 |
| 3 | ID:00500230 | TE POHUE | 2924 | 2425 | 2208 | 1907 | 2155 | 2344 | 2862 | 2684 | 3167 | 3506 | 3261 | 3136 | 3214 |
| 3 | ID:05000010 | Nth of Tutaekuri River | 20811 | 19184 | 18633 | 18979 | 23484 | 20339 | 20518 | 20847 | 21094 | 19958 | 21252 | 22081 | 21536 |
| 3 | ID:00300171 | TONGAPORUTU Brq | 2128 | 1901 | 1824 | 1796 | 1730 | 1870 | 2157 | 1999 | 2406 | 2606 | 2240 | 2312 | 2514 |
| 3 | ID:00300267 | TARIKI | 8656 | 8620 | 8054 | 8011 | 7964 | 8270 | 8402 | 9013 | 8947 | 8121 | 6690 | 6976 | 8914 |
| 3 | ID:00300370 | WAITOTARA | 3481 | | 2893 | 3045 | 2986 | 3205 | 3421 | 3457 | 3666 | 3581 | 3552 | 3566 | 3594 |
| 3 | ID:04500101 | OHAWA BEACH Rd | 4236 | 4180 | 3817 | 3870 | 3983 | 4475 | 4600 | 4879 | 4813 | 4612 | 4606 | 4485 | 4432 |
| 3 | ID:01N00930 | SANSON | 12226 | 11327 | 10503 | 10723 | 10680 | 11135 | 11946 | 11759 | 12760 | 12776 | 12666 | 12324 | 12789 |

Telemetry Site MADT All Vehicles

| NZTA Region | Site Ref | Description | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 |
|-------------|-------------|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3 | ID:01N00988 | OHAU | 15362 | 14439 | 13007 | 13290 | 13395 | 13983 | 15057 | 14789 | 16202 | 16317 | 15761 | 15318 | 13220 |
| 3 | ID:00200755 | NORSEWOOD | 4130 | 3662 | 3236 | 3359 | 3213 | 3438 | 3984 | 3959 | 4515 | 4803 | 4492 | 4341 | 4370 |
| 3 | ID:00300489 | MANAWATU GORGE | 6927 | 6564 | 6039 | 6054 | 5891 | 6205 | 6650 | 5999 | 7363 | 7468 | 7164 | 7153 | 7184 |
| 3 | ID:00400133 | HOROPITO | 1704 | 1479 | 1605 | 2131 | 2241 | 2254 | 2092 | 1745 | 1945 | 2112 | 1916 | 1776 | 1927 |
| 3 | ID:00400226 | UPOKONGARO | 2008 | 1834 | 1733 | | 1752 | 2126 | 1881 | 1968 | 2125 | 2060 | | 1962 | 2085 |
| 3 | ID:01N00827 | HIHITAHU | 4735 | | | 4073 | | | 4641 | 4843 | 5211 | 5945 | 5172 | 4582 | 5226 |
| 4 | ID:01N11068 | NGAURANGA - SB | 22516 | 22319 | 21236 | 21396 | 21576 | 22218 | 22170 | 22502 | 21638 | 20438 | 22933 | 22863 | 22103 |
| 4 | ID:00200895 | CLAREVILLE | | 10134 | 9480 | 9241 | 9341 | 9967 | 10236 | 10680 | 11010 | 10514 | 10787 | 10798 | 10633 |
| 4 | ID:00200937 | RIMUTAKA | 5570 | 4980 | 4529 | 4372 | 4387 | 4815 | 5288 | 5541 | 6021 | 6364 | 6102 | 5965 | 6118 |
| 4 | ID:01N01036 | PUKERUA BAY | | | 20451 | 20530 | 20879 | 21565 | 22925 | 22722 | 24285 | 23718 | 24055 | 23653 | 23974 |
| 4 | ID:01N21068 | NGAURANGA - NB | 22213 | | | 21004 | 21379 | 21933 | 21866 | 22287 | 21579 | 19852 | 22820 | 22946 | 22085 |
| 4 | ID:05800009 | Pauatahanui East | 13982 | 13852 | 12846 | 12422 | 12870 | 13298 | 13674 | 14133 | 14488 | 13432 | 14232 | 14563 | 14041 |
| 4 | ID:00210979 | NGAURANGA SH2 - SB | 21938 | 21622 | 20102 | 20403 | 20529 | 21467 | 21454 | 21738 | 20802 | 19058 | 21934 | 21937 | 20661 |
| 4 | ID:00220979 | NGAURANGA SH2 - NB | 21536 | | | 20437 | 20409 | 21291 | 21224 | 21465 | 20489 | 18741 | 21648 | 21925 | 21107 |
| 4 | ID:00600122 | STOKE | 19204 | 19903 | 18737 | 18278 | 19028 | 19305 | 20042 | 20282 | 21755 | 21579 | 21450 | 20881 | 20322 |
| 4 | ID:00600232 | MURCHISON | 1815 | 1445 | 1187 | 1166 | 1220 | 1369 | 1714 | 1775 | 2264 | 2736 | 2308 | 2026 | 2027 |
| 4 | ID:00600100 | HIRA | 3322 | 3624 | 2666 | 2677 | 2724 | 2866 | 3118 | 3295 | 3638 | 4031 | 3821 | 3527 | 3356 |
| 4 | ID:06000040 | Riwaka | 3764 | 2999 | 2561 | 2412 | 2538 | 2806 | 3471 | 3868 | 5468 | 6737 | 5187 | 4319 | 4417 |
| 4 | ID:01S00037 | Blenheim | 4265 | 4720 | 3405 | 3431 | 3129 | 3371 | 3719 | 3900 | 4321 | 4657 | 4478 | 4150 | 4449 |
| 5 | ID:01S00389 | DUNSANDEL | 10184 | 9311 | 8613 | 9162 | 8829 | 9457 | 10292 | 10107 | 10686 | 10636 | 10636 | 10473 | 10488 |
| 5 | ID:01S00505 | EVANS St Timaru | 20930 | 19919 | 18486 | 19115 | 18981 | 20054 | 20888 | 21090 | 22330 | 21221 | 21155 | 20900 | 20966 |
| 5 | ID:07300064 | Springfield | 1687 | 1275 | 1099 | 1357 | 1526 | 1527 | 1644 | 1617 | 1800 | 2005 | 2303 | 1900 | 1872 |
| 5 | ID:07400006 | SEMI Obsolete - Cranford St | 21497 | 21278 | 20194 | 20066 | 20424 | 20810 | 20780 | 21188 | 21073 | 19310 | 21396 | 21649 | |
| 5 | ID:01S00144 | KAIKOURA | 2576 | 2081 | 1883 | 1889 | 1630 | 1938 | 2356 | 2568 | 3039 | 3519 | 3127 | 2662 | 2882 |
| 5 | ID:01S00522 | ST ANDREWS | 5977 | 5488 | 4878 | 5110 | 4865 | 5229 | 5734 | 5804 | 6316 | 6098 | 6201 | 6024 | 6174 |
| 5 | ID:00700108 | LEWIS PASS | 1230 | 961 | 818 | 777 | 857 | 942 | 1192 | 1125 | 1471 | 1799 | 1416 | 1266 | 1382 |
| 5 | ID:07409005 | QE II Drive East Of Main Nth Rd | 18944 | 18511 | 17870 | 17533 | 17511 | 18395 | | 19211 | 20067 | 17767 | 18993 | 19244 | |
| 5 | ID:00600454 | CHESTERFIELD | 2795 | 2447 | 2139 | 2221 | 2244 | 2502 | 2815 | 2947 | 3062 | 3174 | 3256 | 3861 | 2867 |
| 5 | ID:00700239 | AHAURA | 1236 | 1124 | 1041 | 1062 | 1120 | 1128 | 1235 | 1277 | 1296 | 1333 | 1392 | 1665 | 1319 |
| 5 | ID:00600398 | PUNAKAIKI | 1002 | | | | | 774 | 964 | 1018 | 1183 | 1372 | 1327 | 1452 | 1018 |
| 6 | ID:00800336 | ALEXANDRA | 2129 | 1809 | 1619 | 1730 | 1840 | 1912 | 2060 | 2013 | 2464 | 2756 | 2813 | 2267 | 2317 |
| 6 | ID:01S10713 | BURNSIDE - SB | 15638 | 15444 | 14539 | 14906 | 14797 | 15455 | 15445 | 15906 | 15759 | 13984 | 15870 | 15803 | |
| 6 | ID:01S20713 | BURNSIDE - NB | 10331 | 10558 | 9823 | 10183 | 9982 | 10497 | 10537 | 10786 | 10681 | 9627 | 10823 | 10762 | 10308 |
| 6 | ID:01S50713 | BURNSIDE - NB On Ramp | 2383 | 2460 | 2407 | 2410 | 2401 | 2522 | 2491 | 2546 | 2497 | 2262 | 2486 | 2502 | 2427 |
| 6 | ID:01S60713 | BURNSIDE - SB Off Ramp | 3244 | 3041 | 2857 | 2844 | 2881 | 3048 | 3051 | 3113 | 3027 | 2723 | 3092 | 3092 | 2945 |
| 6 | ID:01S40713 | BURNSIDE - NB Off Ramp | 3634 | 3345 | 3117 | 3120 | 3168 | 3240 | 3276 | 3389 | 3326 | 2973 | 3380 | 3419 | 3261 |
| 6 | ID:01S40714 | Burnside - NB Off Ramp | 2459 | 2136 | 2038 | 2000 | 2040 | 2175 | 2179 | 2220 | 2140 | 1954 | 2192 | 2179 | 2092 |
| 6 | ID:01S00765 | MILTON | 6385 | | 5023 | 5325 | 5269 | 5540 | 5978 | 6185 | 6633 | 6516 | 6850 | 6608 | |
| 6 | ID:01S00921 | INVERCARGILL | 11528 | 11480 | 10937 | 10870 | 10974 | 11316 | 11268 | 11822 | 11826 | 10560 | 12147 | 12294 | 11509 |
| 6 | ID:00601147 | WINTON | 4632 | 4536 | 4089 | 4122 | 4232 | 4384 | 4572 | 4898 | 4948 | 4509 | 4882 | 4792 | 4656 |
| 6 | ID:01S00854 | GORE | 4065 | 3907 | 4151 | 3475 | 3538 | 3676 | 3952 | 4099 | 4323 | 4083 | 4416 | 4137 | 4158 |

Telemetry Site MADT Heavy Vehicles

| NZTA Region | Site Ref | Description | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 |
|-------------|-------------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | ID:01N00212 | KAWAKAWA | 694 | 623 | 542 | 523 | 539 | 635 | 701 | 688 | 676 | 728 | 696 | 703 | 689 |
| 1 | ID:01000029 | Sth of Takou Bay Rd | | | 264 | 233 | 220 | | 274 | 289 | 296 | 382 | 304 | 289 | 322 |
| 1 | ID:01N00274 | Nth of Maungakaramea Rd | | 1492 | | | | | 1423 | 1479 | | | | 1601 | 1503 |
| 1 | ID:01200220 | East of Brynderwyn Brq 161 | | 300 | | 237 | | | 301 | 348 | 318 | | 286 | | 233 |
| 1 | ID:01N00130 | Nth of Ramseys Brq | | | | | | | | 160 | | | | | 149 |
| 1 | ID:01N00265 | Sth of Selwyn Avenue | | 2291 | 2206 | 2053 | 2170 | 2282 | | | | | 994 | 1015 | |
| 1 | ID:01N00388 | HATFIELDS BEACH | 1431 | 1408 | 1201 | 1117 | 1099 | 1272 | 1338 | 1361 | 1467 | 1247 | 363 | 327 | 293 |
| 1 | ID:01N10459 | DRURY - SB | 2658 | 2616 | 2369 | 2369 | 2203 | 2468 | 2424 | 2490 | 2447 | 2278 | 2486 | 2539 | 2394 |
| 1 | ID:01N20459 | DRURY - NB | 2591 | 2525 | 2303 | 2280 | 2114 | 2336 | 2315 | 2386 | 2282 | 2229 | 2392 | 2427 | 2303 |
| 1 | ID:01N00339 | WELLSFORD | 1041 | 990 | 906 | 872 | 867 | | 940 | 957 | 989 | 1064 | | | |
| 1 | ID:01N10440 | PANAMA Rd - SB | | | | | | | | | | | | | |
| 1 | ID:01N20440 | PANAMA RD - NB | | | | | | | | | | | | | |
| 1 | ID:01N10474 | BOMBAY - SB | 2127 | 2041 | 1894 | 1826 | 1746 | 1949 | 1959 | 2001 | 1992 | 1834 | 2006 | 2017 | 1949 |
| 1 | ID:01N20474 | BOMBAY - NB | 2114 | 2059 | 1899 | 1831 | 1736 | 1900 | 1940 | 1994 | 1885 | 1884 | 2001 | 2006 | 1925 |
| 1 | ID:01N00424 | Auckland Harbour Brq - Centre Span | | | | | | | | | | | | | |
| 1 | ID:01N10424 | Auckland Harbour Brq - Left Clip-on | | | | | | | | | | | | | |
| 1 | ID:01N20424 | Auckland Harbour Brq - Right Clip-on | | | | | | | | | | | | | |
| 2 | ID:00200002 | MAUNGATAWHIRI | 1831 | 1704 | 1497 | 1474 | 1451 | 1588 | 1633 | 1616 | 1605 | 1593 | 1631 | 1696 | 1628 |
| 2 | ID:25A00011 | NEEVESVILLE | 285 | 323 | 221 | 214 | 290 | 331 | 352 | 318 | 371 | 447 | 301 | 279 | 303 |
| 2 | ID:02700011 | KAIHERE | 871 | 829 | 723 | 710 | 726 | 800 | 855 | 783 | 764 | 731 | 806 | 892 | 803 |
| 2 | ID:01N00526 | TAUPIRI | 2249 | 2209 | 2041 | 2029 | 1967 | 2176 | 2240 | 2330 | 2145 | 1975 | 2151 | 2150 | 2058 |
| 2 | ID:01N00620 | LICHFIELD | 1571 | 1497 | 1310 | 1310 | 1297 | 1499 | 1565 | | 1365 | 1289 | 1407 | 1497 | 1413 |
| 2 | ID:00300085 | TE KUITI | 728 | 710 | 634 | 632 | 603 | 666 | 850 | 682 | 689 | 636 | 683 | 692 | 691 |
| 2 | ID:03200074 | West of Taupo | 99 | 90 | 73 | 63 | 70 | 94 | 94 | 115 | 111 | 103 | 138 | 140 | 146 |
| 2 | ID:01N00580 | KARAPIRO | 1887 | 1852 | 1765 | 1687 | 1778 | 1879 | 1890 | 1997 | 2127 | 1867 | 1992 | 1974 | 1569 |
| 2 | ID:00200091 | WAIHI | 866 | 1105 | 705 | 697 | 676 | 749 | 809 | 798 | 789 | 855 | 873 | 855 | 846 |
| 2 | ID:01N00729 | HALLETTS BAY | 867 | 844 | 727 | 736 | 697 | 766 | 797 | 839 | 823 | 821 | 847 | 862 | 798 |
| 2 | ID:00200141 | TE PUNA | 1306 | 1326 | 1041 | 1030 | 1016 | 1155 | 1128 | 1166 | 1099 | 1084 | 1155 | 1216 | 1213 |
| 2 | ID:03010149 | TE NGA | 933 | 905 | 793 | 817 | 813 | 894 | 887 | | 890 | 907 | 970 | 1352 | 1213 |
| 2 | ID:03020149 | East end of Puarenga Brq (Dec) | 1002 | 931 | 796 | 789 | 798 | 924 | 929 | | 874 | 941 | 1056 | 1149 | 1036 |
| 2 | ID:00200204 | OHINEPANEA | 760 | 741 | 622 | 602 | 634 | 708 | 774 | 745 | 695 | 693 | 711 | 702 | 791 |
| 2 | ID:03000188 | LAKE ROTOMA | 324 | 336 | 300 | 280 | 289 | 324 | 348 | 307 | 324 | 345 | 351 | 346 | 324 |
| 2 | ID:03300030 | Sth of Maungarangi Rd Paengaroa | 598 | 582 | 485 | 490 | 506 | 549 | 565 | 574 | 529 | 535 | 570 | 568 | 585 |
| 2 | ID:00500034 | TARUKENGA | 608 | 579 | 488 | 491 | 489 | 569 | 568 | 591 | 574 | 585 | 617 | 587 | 574 |
| 2 | ID:02900034 | KAIMAI | 1419 | 1330 | 1219 | 1103 | 1167 | 1238 | 1309 | 1286 | 1312 | 1199 | 1237 | 1245 | 1208 |
| 2 | ID:00500057 | WAIPA | 884 | 820 | 703 | 747 | 725 | 794 | 798 | 807 | 714 | 742 | 813 | 825 | 813 |
| 3 | ID:00200428 | ORMOND | 345 | 250 | 231 | 216 | 206 | 216 | 233 | 240 | 245 | 309 | 268 | 339 | 257 |
| 3 | ID:00200627 | TANGOIO | 387 | 358 | 353 | 351 | 310 | 344 | 371 | 372 | 337 | 377 | 401 | 424 | 402 |
| 3 | ID:00500230 | TE POHUE | 608 | 534 | 475 | 401 | 434 | 470 | 500 | 507 | 458 | 480 | 515 | 561 | 544 |
| 3 | ID:05000010 | Nth of Tutaekuri River | 1460 | 1334 | 1269 | 1274 | 1609 | 1419 | 1397 | 1353 | 1271 | 1231 | 1366 | 1486 | 1527 |
| 3 | ID:00300171 | TONGAPORUTU Brq | 411 | 397 | 350 | 355 | 344 | 375 | 399 | 383 | 384 | 386 | 392 | 386 | 381 |
| 3 | ID:00300267 | TARIKI | 912 | 916 | 801 | 843 | 812 | 945 | 951 | 989 | 896 | 834 | 775 | 811 | 997 |
| 3 | ID:00300370 | WAITOTARA | 573 | | 425 | 422 | 434 | 501 | 538 | 582 | 506 | 461 | 474 | 501 | 492 |
| 3 | ID:04500101 | OHAWA BEACH Rd | 348 | 297 | 220 | 236 | 354 | 561 | 601 | 596 | 533 | 490 | 447 | 448 | 418 |
| 3 | ID:01N00930 | SANSON | 1569 | 1488 | 1351 | 1331 | 1281 | 1392 | 1491 | 1560 | 1482 | 1401 | 1484 | 1475 | 1428 |

Telemetry Site MADT Heavy Vehicles

| NZTA Region | Site Ref | Description | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 |
|-------------|-------------|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3 | ID:01N00988 | OHAU | 1574 | 1547 | 1401 | 1416 | 1379 | 1465 | 1535 | 1564 | 1496 | 1429 | 1515 | 1534 | 1233 |
| 3 | ID:00200755 | NORSEWOOD | 714 | 631 | 534 | 522 | 494 | 567 | 618 | 681 | 628 | 698 | 691 | 685 | 640 |
| 3 | ID:00300489 | MANAWATU GORGE | 908 | 834 | 743 | 719 | 665 | 735 | 786 | 774 | 829 | 875 | 887 | 869 | 869 |
| 3 | ID:00400133 | HOROPITO | 325 | 302 | 295 | 290 | 277 | 268 | 279 | 297 | 297 | 321 | 344 | 323 | 309 |
| 3 | ID:00400226 | UPOKONGARO | 194 | 174 | 170 | | 141 | 173 | 150 | 173 | 161 | 158 | | 172 | 192 |
| 3 | ID:01N00827 | HIHITAH | 964 | | | 826 | | | 908 | 1043 | 897 | 897 | 925 | 923 | 901 |
| 4 | ID:01N11068 | NGAURANGA - SB | 812 | 788 | 768 | 773 | 771 | 815 | 792 | 807 | 745 | 716 | 785 | 784 | 818 |
| 4 | ID:00200895 | CLAREVILLE | | 570 | 515 | 480 | 477 | 598 | 622 | 674 | 593 | 587 | 638 | 642 | 608 |
| 4 | ID:00200937 | RIMUTAKA | 358 | 312 | 276 | 249 | 240 | 273 | 289 | 327 | 315 | 323 | 337 | 350 | 456 |
| 4 | ID:01N01036 | PUKERUA BAY | | | 1484 | 1517 | 1448 | 1555 | 1606 | 1657 | 1528 | 1405 | 1556 | 1582 | 1520 |
| 4 | ID:01N21068 | NGAURANGA - NB | 694 | | | 641 | 652 | 701 | 719 | 729 | 693 | 718 | 718 | 731 | 689 |
| 4 | ID:05800009 | Pauatahanui East | 460 | 459 | 398 | 382 | 380 | 423 | 429 | 454 | 449 | 420 | 442 | 470 | 445 |
| 4 | ID:00210979 | NGAURANGA SH2 - SB | 748 | 745 | 673 | 706 | 686 | 729 | 754 | 738 | 676 | 640 | 719 | 726 | 685 |
| 4 | ID:00220979 | NGAURANGA SH2 - NB | 679 | | | 669 | 662 | 701 | 721 | 706 | 655 | 619 | 692 | 697 | 659 |
| 4 | ID:00600122 | STOKE | 1300 | 1267 | 1138 | 1105 | 1149 | 1211 | 1274 | 1280 | 1194 | 1236 | 1308 | 1365 | 1302 |
| 4 | ID:00600232 | MURCHISON | 278 | 257 | 210 | 204 | 236 | 245 | 276 | 287 | 312 | 379 | 334 | 314 | 282 |
| 4 | ID:00600100 | HIRA | 491 | 546 | 394 | 417 | 429 | 455 | 463 | 473 | 449 | 489 | 505 | 510 | 483 |
| 4 | ID:06000040 | Riwaka | 275 | 234 | 161 | 131 | 159 | 183 | 237 | 259 | 328 | 385 | 336 | 306 | 318 |
| 4 | ID:01S00037 | Blenheim | 729 | 755 | 515 | 496 | 445 | 522 | 564 | 599 | 558 | 583 | 594 | 600 | 709 |
| 5 | ID:01S00389 | DUNSANDEL | 1490 | 1408 | 1211 | 1256 | 1233 | 1471 | 1654 | 1587 | 1537 | 1507 | 1549 | 1479 | 1425 |
| 5 | ID:01S00505 | EVANS St Timaru | 1568 | 1443 | 1187 | 1251 | 1278 | 1559 | 1613 | 1651 | 1538 | 1476 | 1612 | 1578 | 1459 |
| 5 | ID:07300064 | Springfield | 218 | 180 | 138 | 131 | 140 | 192 | 211 | 206 | 206 | 217 | 282 | 229 | 220 |
| 5 | ID:07400006 | SEMI Obsolete - Cranford St | 651 | 611 | 571 | 556 | 513 | 427 | 461 | 456 | 428 | 411 | 450 | 477 | |
| 5 | ID:01S00144 | KAIKOURA | 505 | 477 | 433 | 417 | 367 | 430 | 468 | 500 | 490 | 508 | 522 | 493 | 495 |
| 5 | ID:01S00522 | ST ANDREWS | 940 | 876 | 704 | 725 | 754 | 889 | 973 | 987 | 940 | 930 | 989 | 935 | 908 |
| 5 | ID:00700108 | LEWIS PASS | 202 | 181 | 154 | 151 | 192 | 166 | 185 | 180 | 211 | 258 | 206 | 201 | 192 |
| 5 | ID:07409005 | QE II Drive East Of Main Nth Rd | 632 | 550 | 537 | 525 | 474 | 569 | | 569 | 600 | 538 | 563 | 578 | |
| 5 | ID:00600454 | CHESTERFIELD | 299 | 246 | 172 | 187 | 210 | 321 | 364 | 374 | 343 | 349 | 370 | 403 | 293 |
| 5 | ID:00700239 | AHAURA | 215 | 204 | 179 | 173 | 203 | 183 | 201 | 215 | 175 | 186 | 200 | 240 | 184 |
| 5 | ID:00600398 | PUNAKAIKI | 101 | | | | | 107 | 124 | 123 | 116 | 122 | 134 | 150 | 99 |
| 6 | ID:00800336 | ALEXANDRA | 212 | 185 | 165 | 172 | 176 | 187 | 196 | 196 | 235 | 270 | 270 | 212 | 218 |
| 6 | ID:01S10713 | BURNSIDE - SB | 698 | 654 | 717 | 811 | 789 | 864 | 873 | 893 | 852 | 800 | 628 | 745 | |
| 6 | ID:01S20713 | BURNSIDE - NB | 616 | 598 | 519 | 551 | 530 | 463 | 607 | 625 | 585 | 560 | 621 | 645 | 597 |
| 6 | ID:01S50713 | BURNSIDE - NB On Ramp | 137 | 128 | 122 | 118 | 117 | 118 | 112 | 112 | 108 | 104 | 112 | 116 | 113 |
| 6 | ID:01S60713 | BURNSIDE - SB Off Ramp | 233 | 214 | 199 | 190 | 197 | 207 | 199 | 196 | 187 | 180 | 197 | 202 | 190 |
| 6 | ID:01S40713 | BURNSIDE - NB Off Ramp | 232 | 213 | 186 | 188 | 185 | 188 | 193 | 194 | 185 | 178 | 199 | 208 | 197 |
| 6 | ID:01S40714 | Burnside - NB Off Ramp | 89 | 73 | 69 | 64 | 67 | 77 | 72 | 71 | 67 | 67 | 71 | 72 | 70 |
| 6 | ID:01S00765 | MILTON | 965 | | 698 | 697 | 632 | 737 | 823 | 803 | 857 | 804 | 908 | 888 | |
| 6 | ID:01S00921 | INVERCARGILL | 455 | 438 | 414 | 436 | 412 | 441 | 410 | 443 | 454 | 412 | 464 | 460 | 419 |
| 6 | ID:00601147 | WINTON | 477 | 448 | 342 | 371 | 419 | 451 | 500 | 521 | 501 | 470 | 509 | 495 | 467 |
| 6 | ID:01S00854 | GORE | 507 | 483 | 442 | 360 | 387 | 439 | 490 | 502 | 502 | 457 | 539 | 528 | 489 |