



## Traffic Volumes Monthly Report January 2013

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#### Revision Schedule

| Rev. No | Date       | Description | Prepared by | Reviewed by    | Approved by |
|---------|------------|-------------|-------------|----------------|-------------|
| 1       | 10/02/2013 | 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 state highways.

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

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## Technical Notes

**What is MADT?** Monthly Average Daily Traffic (MADT) is the average of daily traffic volume in a given month. Each monitored location (count site), MADT is reported for all vehicles and heavy vehicles<sup>1</sup>.  
MADT is the statistical term used throughout this report.

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

**How is MADT Change Reported Each month?**

We report MADT change for all vehicles and for heavy vehicles, at a national and regional level.

We first calculate the percentage change in MADT (all and heavy vehicles separately) of each site for the current month compared to the same month in the previous year.

We then calculate the median of those percentage changes across all sites and report it as the national MADT change for the current month.

To report each regional MADT change, we calculate the median of percent changes of the sample sites in each region.

**Purpose**

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

**Site Coverage**

The table below shows the number of traffic counting sites in each NZ Transport Agency region. These numbers represent the sample sizes that are used to report the National and regional MADT changes in this report.

| NZ Transport Agency Region                           | Number of Sites |
|--|-----------------|
| Northland and Auckland                               | 18              |
| Waikato and Bay of Plenty                            | 25              |
| Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne | 19              |
| Wellington, Nelson, Marlborough and Tasman           | 17              |
| Canterbury and West Coast                            | 15              |
| Otago and Southland                                  | 19              |
| Total  | 113             |

These sites are mostly NZTA's national telemetry site. There are also a few regional continuous sites used in Auckland.

**Sources of variation in MADT**

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

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

**Results:  
Monthly  
traffic at key  
sites**

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

The MADT values for January 2012, January 2013 and percentage change compared are reported in the table below.

Note the MADT values include all vehicles.

| Site  | City Represented | MADT (All Vehicles) January - 12 | MADT (All Vehicles) January - 13 | % Change |
|---|------------------|----------------------------------|----------------------------------|----------|
| Auckland Harbour Bridge (SH1)                 | Auckland         | 142765                           | 154612                           | 8%       |
| Greenwood (SH1)                               | Hamilton         | 20057                            | 22077                            | 10%      |
| Ngauranga Interchange (SH 1 and SH2 combined) | Wellington       | 77217                            | 77630                            | 1%       |
| Waimakariri Bridge                            | Christchurch     | 38889                            | 43072                            | 11%      |
| Burnside                                      | Dunedin          | 23296                            | 24132                            | 4%       |

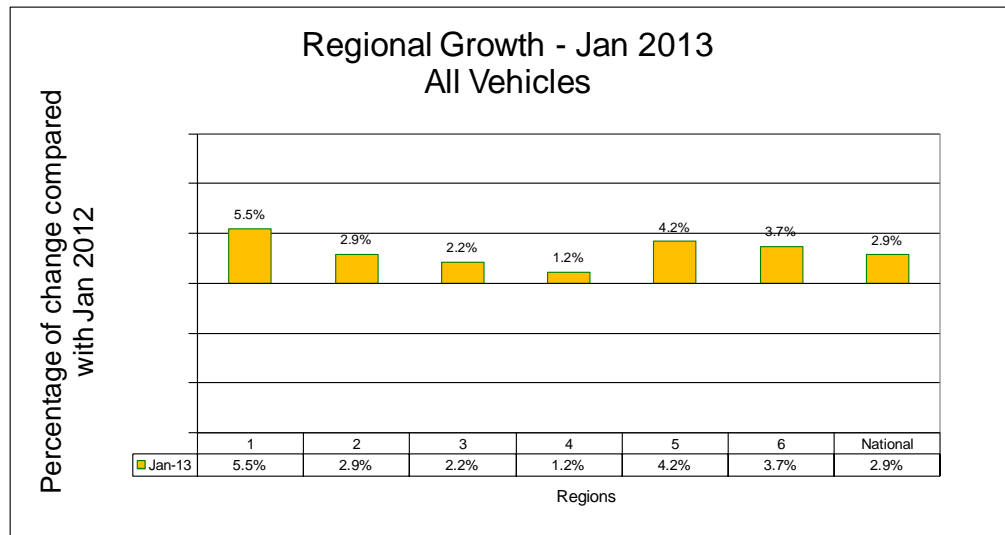
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# Results: All Vehicles

## Regions

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

The graph below shows the MADT change compared with the same month last year. The MADT values here represent all vehicle types.



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

## More graphs

The graphs (as above) dated back to January 2008 are available from the NZTA website:

<http://www.nzta.govt.nz/resources/state-highway-traffic-growth/>

## All sites

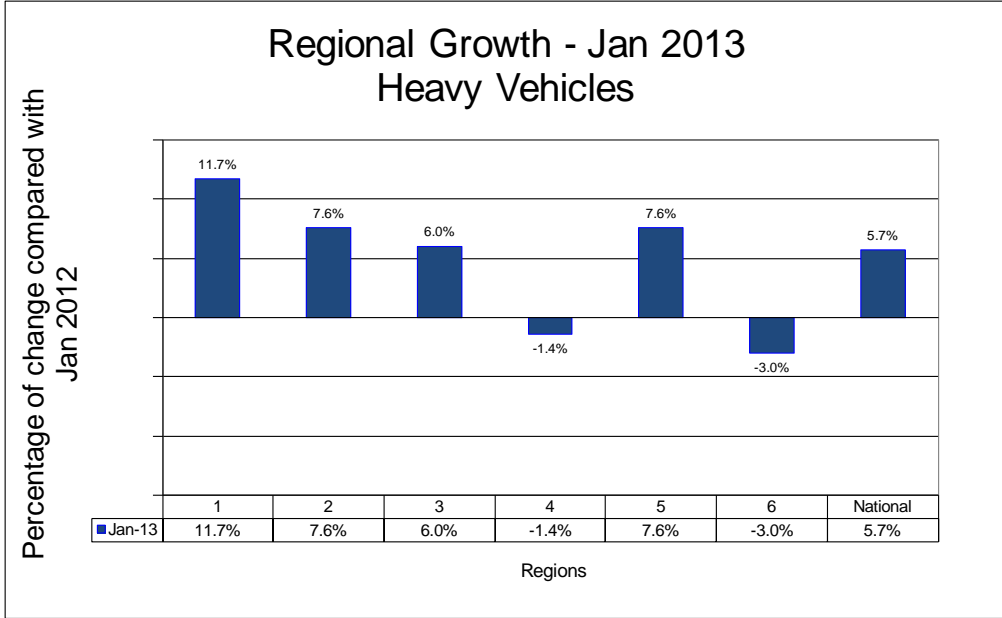
A table of MADT (all vehicles) values for the past thirteen months is attached to this report.

# Results: Heavy Vehicles

**Regions**

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

The graph shows the MADT change compared with the same month last year. The MADT values here represent heavy vehicles only.



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

**More graphs**

The graphs (as above) dated back to January 2008 are available from the NZTA website:

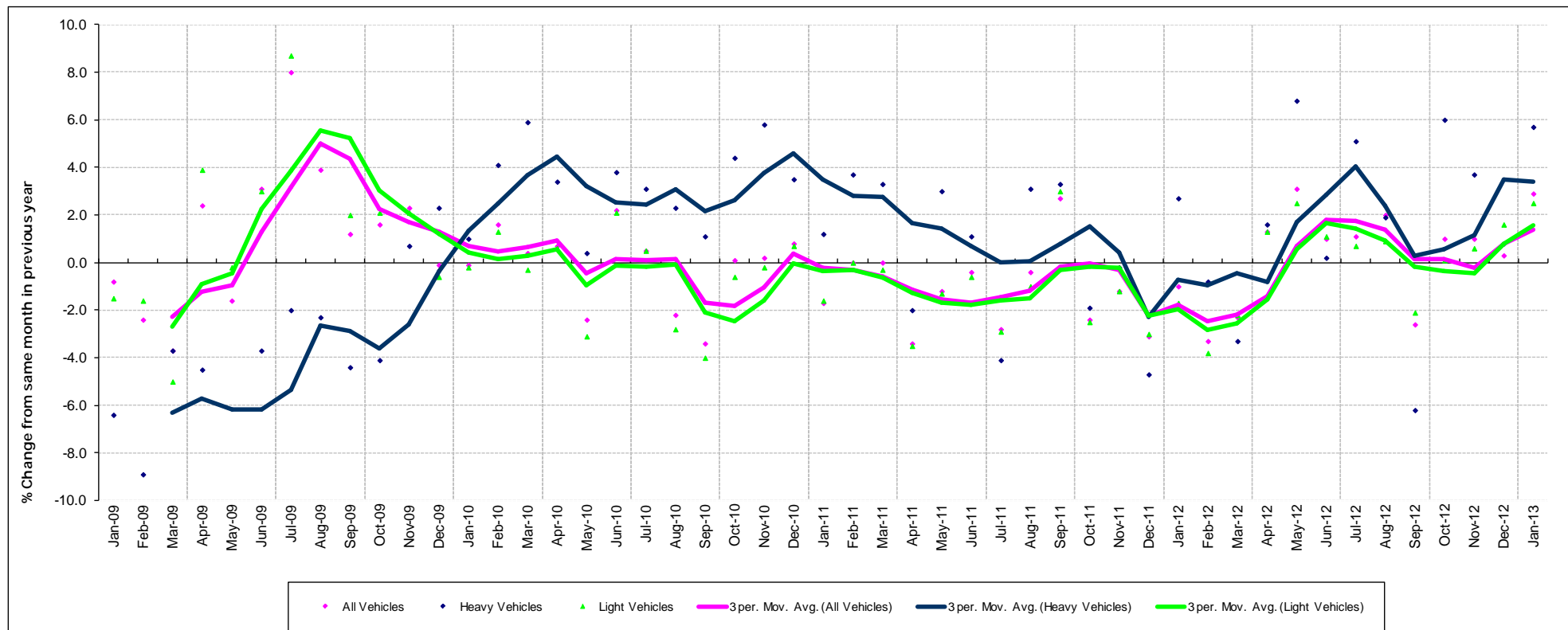
<http://www.nzta.govt.nz/resources/state-highway-traffic-growth/>

**All sites**

A table of MADT (heavy vehicles) values for the past thirteen months is attached to this report.

## Summary of MADT Change from Same Month in Previous Year

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





| Year      | 2008         |                |                | 2009         |                |                | 2010         |                |                | 2011         |                |                | 2012         |                |                | 2013         |                |                |
|-----------|--------------|----------------|----------------|--------------|----------------|----------------|--------------|----------------|----------------|--------------|----------------|----------------|--------------|----------------|----------------|--------------|----------------|----------------|
| 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 | 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            | 2.9          | 2.5            | 5.7            |
| February  | -2.0         | -2.6           | 5.0            | -2.4         | -1.6           | -8.9           | 1.6          | 1.3            | 4.1            | 0.0          | 0.0            | 3.7            | -3.3         | -3.8           | -0.8           |              |                |                |
| March     | 0.4          | 1.6            | -0.3           | -3.7         | -5.0           | -3.7           | 0.4          | -0.3           | 5.9            | 0.0          | -0.3           | 3.3            | -2.3         | -2.2           | -3.3           |              |                |                |
| April     | -4.0         | -6.1           | 4.5            | 2.4          | 3.9            | -4.5           | 0.7          | 0.6            | 3.4            | -3.4         | -3.5           | -2.0           | 1.3          | 1.3            | 1.6            |              |                |                |
| May       | -0.3         | 0.2            | -1.4           | -1.6         | -0.2           | -10.3          | -2.4         | -3.1           | 0.4            | -1.2         | -1.3           | 3              | 3.1          | 2.5            | 6.8            |              |                |                |
| June      | -7.9         | -8.8           | -1.2           | 3.1          | 3.0            | -3.7           | 2.2          | 2.1            | 3.8            | -0.4         | -0.6           | 1.1            | 1            | 1.1            | 0.2            |              |                |                |
| July      | -8.0         | -9.1           | -0.1           | 8.0          | 8.7            | -2.0           | 0.5          | 0.5            | 3.1            | -2.8         | -2.9           | -4.1           | 1.1          | 0.7            | 5.1            |              |                |                |
| August    | -7.5         | -7.4           | -6.5           | 3.9          | 5.0            | -2.3           | -2.2         | -2.8           | 2.3            | -0.4         | -1.0           | 3.1            | 2.0          | 0.9            | 1.9            |              |                |                |
| September | -5.5         | -6.5           | -0.8           | 1.2          | 2.0            | -4.4           | -3.4         | -4.0           | 1.1            | 2.7          | 3.0            | 3.3            | -2.6         | -2.1           | -6.2           |              |                |                |
| October   | -1.6         | -2.2           | -1.2           | 1.6          | 2.1            | -4.1           | 0.1          | -0.6           | 4.4            | -2.4         | -2.5           | -1.9           | 1.0          | 0.1            | 6.0            |              |                |                |
| November  | -5.6         | -6.0           | -9.2           | 2.3          | 2.1            | 0.7            | 0.2          | -0.2           | 5.8            | -1.2         | -1.2           | -0.2           | 1.0          | 0.6            | 3.7            |              |                |                |
| December  | -0.6         | -1.0           | -0.6           | -0.1         | -0.6           | 2.3            | 0.8          | 0.7            | 3.5            | -3.1         | -3             | -4.7           | 0.3          | 1.6            | 0.8            |              |                |                |

## Appendices

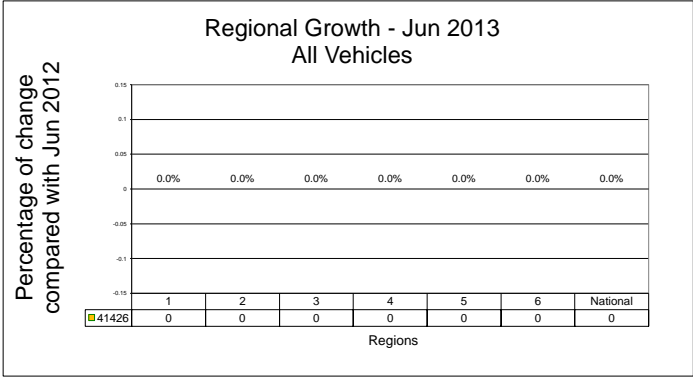
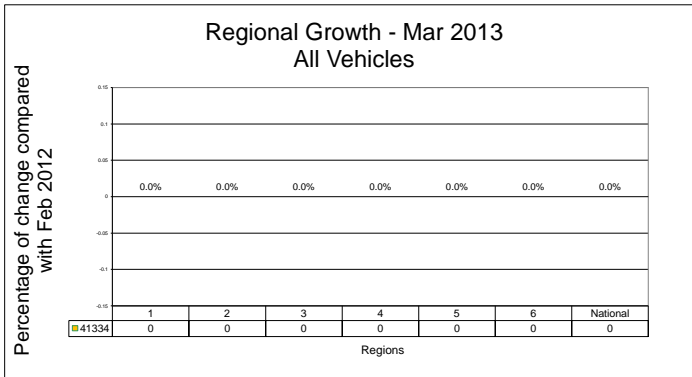
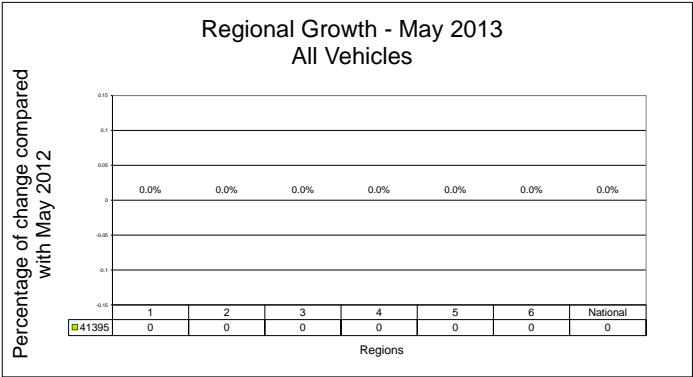
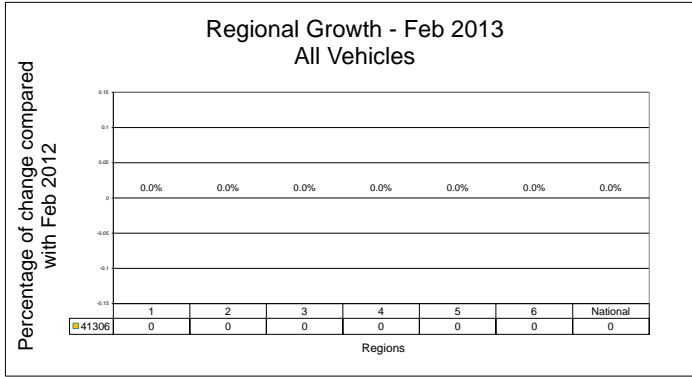
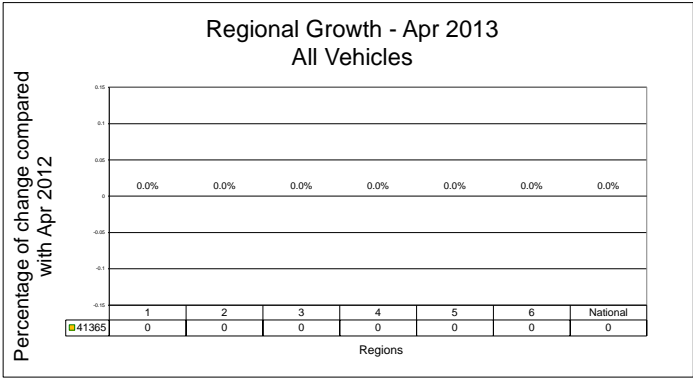
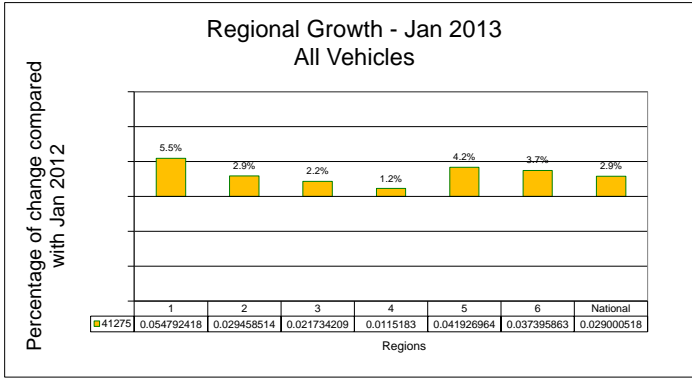
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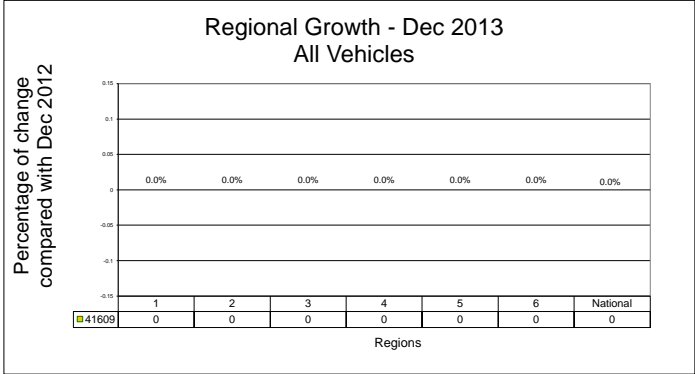
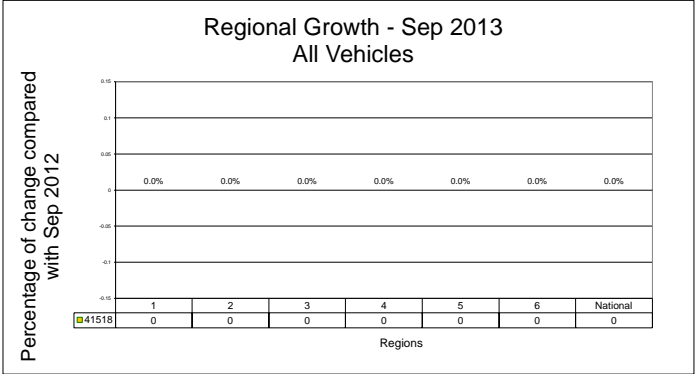
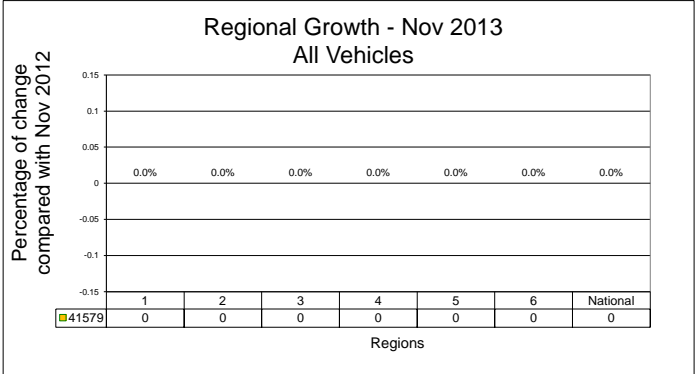
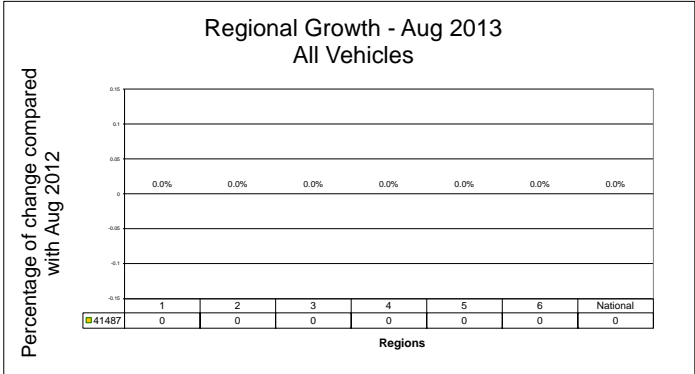
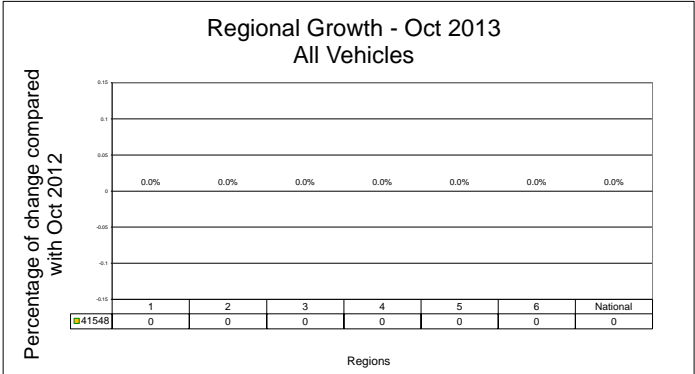
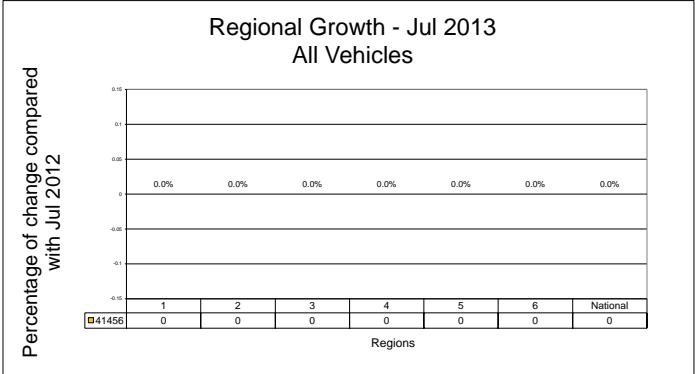
### Current Year Growth Graphs

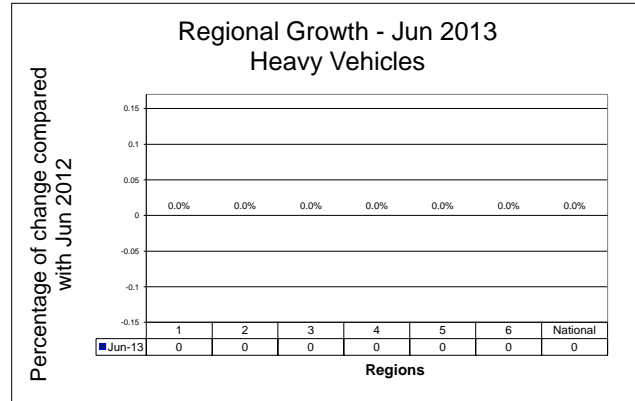
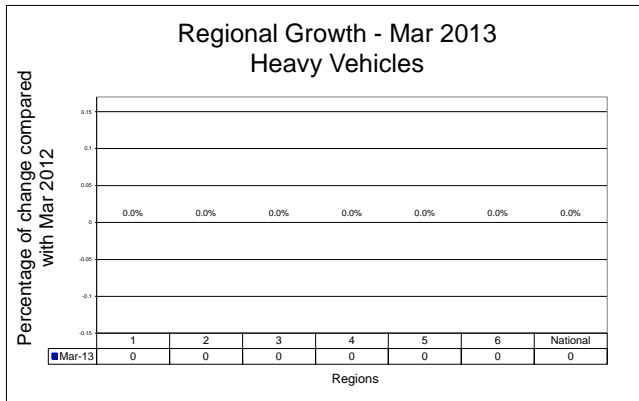
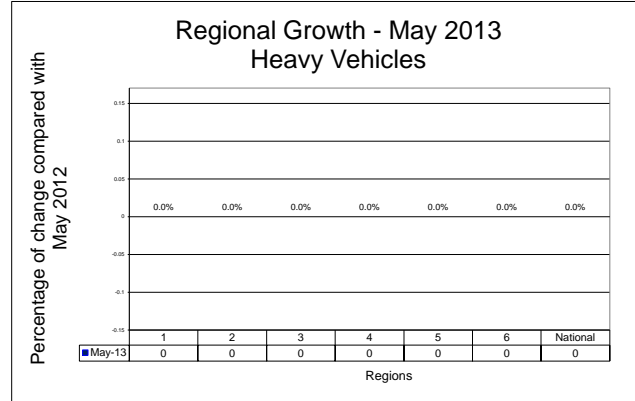
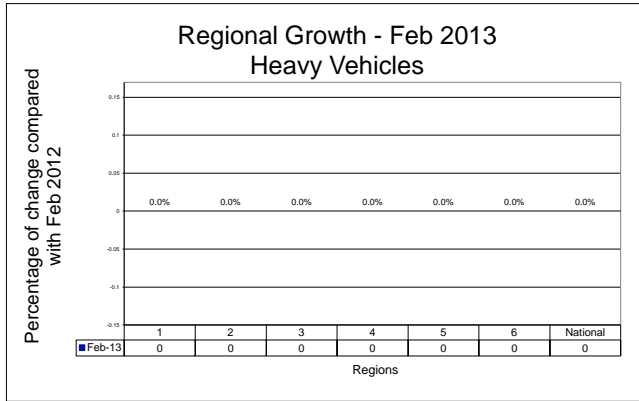
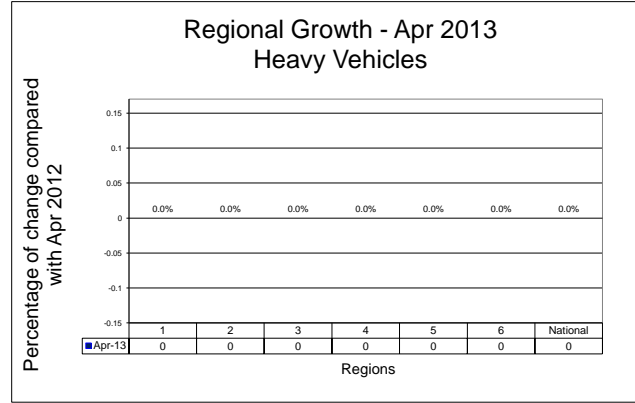
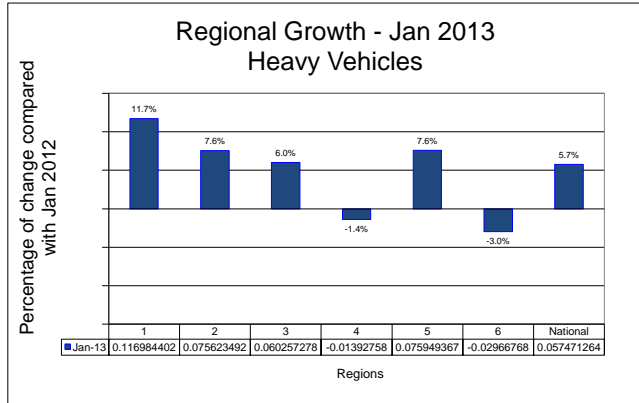
- All Vehicles
- Heavy Vehicles

### MADTs of the sample sites for the past thirteen months

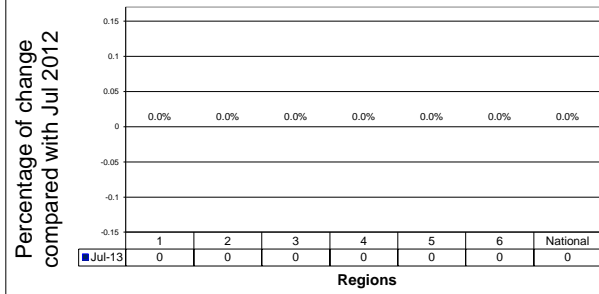
- All Vehicles
- Heavy Vehicles



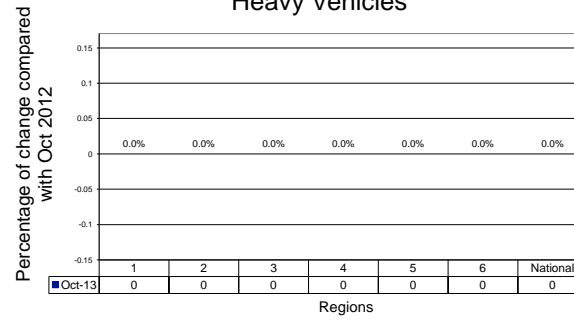




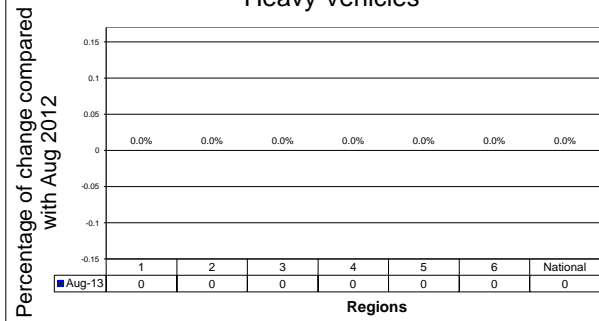
Regional Growth - Jul 2013  
Heavy Vehicles



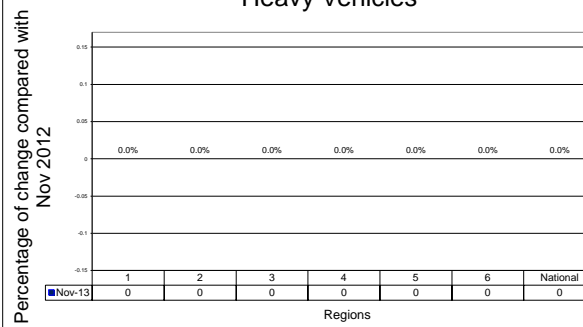
Regional Growth - Oct 2013  
Heavy Vehicles



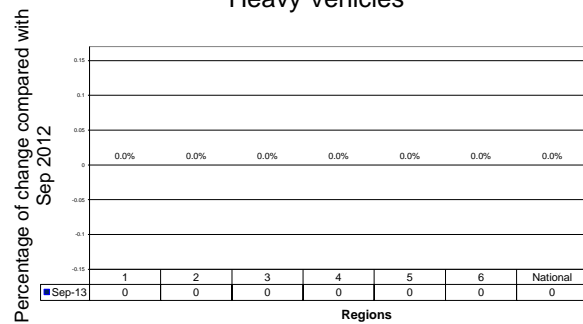
Regional Growth - Aug 2013  
Heavy Vehicles



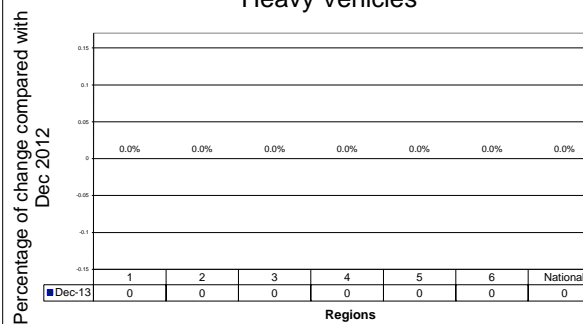
Regional Growth - Nov 2013  
Heavy Vehicles



Regional Growth - Sep 2013  
Heavy Vehicles



Regional Growth - Dec 2013  
Heavy Vehicles



MADT (All Vehicles)

| NZTA Region | Site Ref    | Description  | Jan- 12 | Feb- 12 | Mar- 12 | Apr- 12 | May- 12 | Jun- 12 | Jul- 12 | Aug- 12 | Sep- 12 | Oct- 12 | Nov- 12 | Dec- 12 | Jan- 13 |
|-------------|-------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1           | ID:01N00212 | KAWAKAWA - Telemetry Site 18                             | 7181    | 6520    |         | 6061    | 5305    | 5176    | 5129    | 5012    | 5030    | 5944    | 6057    | 6595    | 7081    |
| 1           | ID:01200026 | KAIKOHE - Telemetry Site 102                             |         |         |         | 1228    | 1194    | 1142    | 1117    | 1104    | 1108    | 1205    | 1280    | 1379    | 1355    |
| 1           | ID:01400016 | MAUNGATAPERE - Telemetry Site 104                        | 2272    | 2459    | 2692    | 2441    | 2524    | 2465    | 2366    | 2410    | 2390    | 2567    | 2626    | 2473    | 2451    |
| 1           | ID:01N10459 | DRURY - Telemetry Site 7 - SB (Park Estate)              | 29342   | 30622   | 30171   | 30019   | 28630   | 28669   | 28191   | 28235   | 27449   | 29536   | 30687   | 31579   | 30166   |
| 1           | ID:01N20459 | DRURY - Telemetry Site 7 - NB (Park Estate)              | 30561   | 30671   | 29847   | 30366   | 28248   | 28495   | 28161   | 27730   | 27100   | 29418   | 30431   | 30072   | 31351   |
| 1           | ID:01N00336 | WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd      | 11318   | 9634    | 8720    | 9556    | 7660    | 7839    |         | 7348    | 7501    | 8649    | 8455    | 9996    | 10796   |
| 1           | ID:01N10440 | PANAMA Rd - Telemetry Site 79 - SB                       | 51106   | 56233   | 57947   | 58251   | 60187   | 57225   | 58316   | 60545   | 57282   | 61202   |         | 61155   | 60512   |
| 1           | ID:01N20440 | PANAMA RD - Telemetry Site 79 - NB                       | 54066   | 58745   | 59551   | 54491   | 55738   | 52837   | 54490   | 56354   | 54197   | 57939   |         | 55015   | 58421   |
| 1           | ID:01N10474 | BOMBAY - Telemetry No Site 72 - SB                       | 20137   | 19137   | 18296   | 19895   |         |         | 16761   | 16156   | 16268   | 18022   | 18460   |         |         |
| 1           | ID:01N20474 | BOMBAY - Telemetry Site 72 - NB                          | 20515   | 19023   | 18119   | 20374   |         |         | 16943   | 16035   | 16372   | 18113   | 18341   |         |         |
| 1           | ID:01N00388 | ALPURT - Telemetry Site 95 (new late Dec 08)             | 18046   | 15543   | 14094   | 15350   | 12942   | 13222   | 13061   | 12610   | 13242   | 14543   | 14753   | 16869   | 18703   |
| 1           | ID:01N00424 | Auckland Harbour Brg - Centre Span - Telemetry Site 55   | 66424   | 69257   | 68694   | 73628   | 74811   | 71091   | 70899   | 73647   | 73041   | 74267   | 77134   | 74141   | 72902   |
| 1           | ID:01N10424 | Auckland Harbour Brg - Left Clip-on - Telemetry Site 55  | 38317   | 42071   | 41977   | 40486   | 42596   | 41737   | 41407   | 42280   | 41998   | 43002   | 45346   | 42274   | 40288   |
| 1           | ID:01N20424 | Auckland Harbour Brg - Right Clip-on - Telemetry Site 55 | 38024   | 42456   | 43324   | 40193   | 43850   | 42532   | 42864   | 43039   | 42230   | 42594   | 45244   | 44629   | 41422   |
| 1           | ID:01600016 | SH16 Royal Rd to Hobsonville Rd - local site             | 43197   | 47951   | 47863   | 45564   | 47220   | 45351   | 45547   | 46689   | 46195   | 47126   | 49953   | 44670   | 44469   |
| 1           | ID:01810007 | SH18 Upper Harbour Bridge WB - local site                | 15414   | 17998   | 18074   |         | 18363   | 17543   | 17511   | 18355   | 17889   | 18223   | 19460   | 17532   | 16776   |
| 1           | ID:01820007 | SH18 Upper Harbour Bridge EB - local site                | 15000   | 17272   | 17344   |         | 17408   | 16635   | 16449   | 17248   | 16887   | 17227   | 18235   | 16902   | 15911   |
| 1           | ID:02000006 | SH20 Puhinui Rd to Massey Rd - local site                | 52124   | 59013   | 60179   | 56207   | 60211   | 58011   | 57206   | 59132   | 58565   | 59716   | 64574   | 59697   | 54980   |
| 2           | ID:00200002 | MAUNGATAWHIRI - Telemetry Site 74                        |         | 13902   | 13012   | 13911   | 11416   |         | 11892   | 11218   | 11623   | 13279   | 13027   | 16393   | 17529   |
| 2           | ID:25A00024 | HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd       | 5309    | 3745    | 3187    | 3599    | 2244    | 2531    | 2518    | 2209    | 2431    | 3142    | 3013    | 4239    | 5461    |
| 2           | ID:02700011 | KAIHERE - Telemetry Site 33                              | 4587    | 4385    | 4254    | 4603    | 3847    | 3858    | 4033    | 3671    | 3826    | 4293    | 4337    | 4498    | 4434    |
| 2           | ID:01N00526 | TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd        | 20748   | 21705   | 20816   | 21901   | 19979   |         |         | 19576   | 19169   | 20681   | 21285   | 21749   | 19680   |
| 2           | ID:01N00620 | LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd        | 9437    | 9623    | 9360    | 9554    | 8553    | 8551    | 8663    | 8480    | 8428    | 9215    | 9382    | 9552    | 9715    |
| 2           | ID:00300085 | TE KUIITI - Telemetry Site 16 - Nth of 8 Mile Junction   | 4170    | 4141    | 4009    | 4303    | 3632    | 3918    | 4035    | 3864    | 3798    | 4018    | 3904    | 4280    | 4281    |
| 2           | ID:03200074 | West of Taupo - Telemetry Site 43                        | 851     | 766     | 637     | 711     | 514     | 565     | 592     | 553     | 546     | 623     | 619     | 672     | 740     |
| 2           | ID:01N00580 | KARAPIRO - Telemetry Site 20                             | 15324   | 15208   | 14857   | 15495   | 13582   | 14304   | 13724   | 13187   |         | 14340   | 14648   | 12820   | 15717   |
| 2           | ID:00200091 | WAIHI - Telemetry Site 34 - East of Samson Rd West       | 9474    | 7975    | 7487    | 8229    | 6783    | 7051    | 6529    | 6626    | 6670    | 7476    | 7488    | 8801    | 9556    |
| 2           | ID:01N00729 | HALLETT'S BAY - Telemetry Site 42                        | 6727    | 5727    | 4982    | 5408    | 4162    | 4403    | 4985    | 4407    | 4550    | 5120    | 5045    | 5773    | 6501    |
| 2           | ID:01N00628 | TOKOROA - Telemetry Site 51 - (WIM Site)                 | 9100    | 9002    |         |         | 7896    | 7940    | 8074    | 7861    | 7876    | 8727    | 8813    | 9090    | 9086    |
| 2           | ID:01N90552 | GREENWOOD - Telemetry Site 97 (New Oct 09)               | 20057   | 22369   | 23099   | 21856   | 23412   |         | 22145   | 22785   | 22284   | 22882   | 24283   | 23055   | 22077   |
| 2           | ID:00200141 | TE PUNA - Telemetry Site 65 - West of Snodgrass          | 17039   | 16814   | 16426   | 16580   | 16095   | 15668   | 14827   | 15545   | 14940   | 16122   | 17184   | 17521   | 17661   |
| 2           | ID:03010149 | TE NGA - Telemetry Site 64 (Inc)                         | 16329   | 16972   | 17388   | 16421   | 16982   | 16612   | 16153   | 16650   | 16203   | 17317   | 18086   | 17686   | 17610   |
| 2           | ID:03020149 | East end of Puarenga Brg (Dec) - Telemetry Site 64       | 16636   | 17020   | 17357   | 16390   | 16945   | 16596   | 16127   | 16612   | 16119   | 17294   | 18077   | 17456   | 17792   |
| 2           | ID:00200204 | OHINEPANEA - Telemetry Site 13 - West of Rogers Rd       | 5306    | 4993    | 4514    | 4860    | 4593    | 4553    | 4389    | 4373    | 4256    | 4799    | 4936    | 5275    | 5520    |
| 2           | ID:03000188 | LAKE ROTOMA - Telemetry Site 22                          | 3367    | 2998    | 2777    | 2927    | 2622    | 2639    | 2623    | 2576    | 2515    | 2865    | 2826    | 3143    | 3478    |
| 2           | ID:03300030 | Sth of Maungarangi Rd Paengaroa - Telemetry Site 14      | 4545    | 4119    | 3892    | 4130    | 3752    | 3665    | 3536    | 3483    | 3446    | 3852    | 3959    | 4204    | 4751    |
| 2           | ID:00500034 | TARUKENGA - Telemetry Site 15                            | 5878    | 5276    | 5152    | 5811    | 4558    | 4938    | 4933    | 4577    | 4637    | 5131    | 5151    | 5560    | 5840    |
| 2           | ID:02900034 | KAIMAI - Telemetry Site 12                               | 9297    | 9087    | 8853    | 9423    | 8489    | 7879    | 8556    | 7871    | 8212    | 9040    | 9276    | 9878    | 10024   |
| 2           | ID:00500057 | WAIPA - Telemetry Site 41 - Sth of SH30                  |         | 7759    | 7535    | 7611    | 6758    | 6635    | 6809    | 6593    | 6530    | 7281    | 7397    | 8030    | 8129    |
| 2           | ID:00200176 | TE PUKE - Telemetry Site 49 - (WIM Site)                 | 18273   | 18631   | 17951   |         |         |         | 16956   | 17460   | 16553   | 17726   | 18790   | 18731   | 18690   |
| 2           | ID:00200242 | AWAKERI - Telemetry Site 92                              | 7332    | 7338    | 7687    | 8517    | 8733    | 8353    | 8658    | 8776    | 8102    | 8686    | 9173    | 9153    | 9056    |
| 2           | ID:00210152 | TAKITIMU DRIVE - Telemetry Site 105 - Inc                | 14415   | 15382   | 15187   | 14563   | 15065   | 14713   | 14234   | 14779   | 14664   | 15120   | 16235   | 15979   | 15411   |
| 2           | ID:00220152 | TAKITIMU DRIVE - Telemetry Site 105 - Dec                | 15593   | 16675   | 16486   | 15643   | 16302   | 15734   | 15204   | 15705   | 15614   | 16186   | 17362   | 16624   | 16521   |
| 3           | ID:00200428 | ORMOND : Telemetry Site 26                               | 2646    | 2530    | 1827    | 2149    | 2185    | 2150    | 2015    | 2100    | 2087    | 2306    | 2332    | 2573    | 2459    |
| 3           | ID:03500321 | HAMANATUA BRIDGE - Telemetry Site 108 WIM                | 4158    | 3453    | 3096    | 4093    | 3998    | 3980    | 3540    | 3801    | 4081    | 4482    | 4538    | 5582    | 5553    |
| 3           | ID:00200627 | TANGIOIO - Telemetry Site 24                             | 2528    | 2201    | 2265    | 1972    | 1889    | 1891    | 1748    | 1719    | 1740    | 2032    | 2012    | 2278    | 2340    |
| 3           | ID:00500230 | TE POHUE - Telemetry Site 23                             | 3358    | 3196    | 3195    | 3046    | 2352    | 2459    | 2436    | 2253    | 2345    | 2705    | 2666    | 3026    | 3308    |
| 3           | ID:00500259 | ESKDALE - Telemetry Site 101 - (WIM Site)                | 4359    | 3895    | 4046    | 3862    | 3198    | 3295    | 3246    | 3086    | 3228    | 3670    | 3621    | 3964    | 4195    |
| 3           | ID:05000010 | Nth of Tutakuri River (Telemetry Site 58)                |         | 23151   | 22857   | 21085   | 22198   | 21360   | 20752   | 21291   | 20334   | 21721   | 22966   | 22079   | 21642   |
| 3           | ID:00300171 | TONGAPORUTU Brg - Telemetry Site 78                      | 2517    | 2243    | 2135    | 2349    | 1767    | 1979    | 1852    | 1690    | 1777    | 2023    | 2083    | 2288    | 2438    |
| 3           | ID:00300267 | TARIKI - Telemetry Site 6                                | 8267    | 9096    | 9062    | 8923    | 9013    | 8507    | 8502    | 8319    | 8088    | 8814    | 9359    | 9037    | 8810    |
| 3           | ID:00300370 | WAITOTARA - Telemetry Site 5                             | 3542    | 3569    | 3799    | 3839    | 3486    | 3220    | 3410    | 3325    | 3295    | 3596    | 3689    | 3784    | 3690    |
| 3           | ID:04500101 | OHAWE BEACH Rd - Telemetry Site 71                       | 3715    | 3880    | 3734    | 3616    | 3582    | 3344    | 3318    | 3509    | 3587    | 3952    | 4116    | 4037    | 3976    |
| 3           | ID:01N00930 | SANSON - Telemetry Site 38                               | 12553   | 12662   | 12557   | 12661   | 11353   | 11257   | 11636   | 11117   |         | 11994   | 12163   | 12856   | 12590   |
| 3           | ID:01N00988 | OHAU - Telemetry Site 56                                 | 15241   | 15317   | 14585   | 14857   | 13192   | 13252   | 13612   | 13090   | 13319   | 14291   | 14546   | 15526   | 15570   |
| 3           | ID:00200755 | NORSEWOOD - Telemetry Site 25                            | 4417    | 4280    | 3894    | 3990    | 3300    | 3326    | 3343    | 3103    | 3295    | 3850    |         | 4358    | 4513    |
| 3           | ID:00300489 | MANAWATU GORGE - Telemetry Site 30                       |         |         |         |         | 3268    |         |         |         | 4176    | 5737    | 6116    | 6615    | 6620    |
| 3           | ID:00400133 | HOROPITO - Telemetry Site 37                             | 1931    | 1805    | 1649    | 1870    | 1362    | 1649    | 2142    | 2000    | 2008    | 1918    | 1586    | 1733    | 1987    |
| 3           | ID:00400226 | UPOKONGARO - Telemetry Site 28                           | 2036    | 1987    | 1943    | 1899    | 1685    | 1706    | 1679    | 1641    | 1642    | 1778    | 1887    | 2036    | 2065    |

Note: There are some new sites added and some sites removed since 2013.

MADT (All Vehicles)

| NZTA Region | Site Ref    | Description  | Jan- 12 | Feb- 12 | Mar- 12 | Apr- 12 | May- 12 | Jun- 12 | Jul- 12 | Aug- 12 | Sep- 12 | Oct- 12 | Nov- 12 | Dec- 12 | Jan- 13 |
|-------------|-------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3           | ID:01N00827 | HIHITAIHI - Telemetry Site 29                        | 5147    | 4861    | 4260    | 4862    | 3627    | 3843    | 4145    | 3793    | 3926    | 4571    | 4333    | 4785    | 5495    |
| 3           | ID:05400049 | FIELDING - Telemetry Site 106                        | 5367    | 6280    | 6671    | 6136    | 6710    | 6604    | 6576    | 6525    | 6278    | 6393    | 6968    | 6367    | 5798    |
| 3           | ID:05700014 | SHANNON - Telemetry Site 107                         | 6710    | 7441    | 7408    | 7177    | 7050    | 6987    | 6929    | 6844    | 7009    | 7322    | 7598    | 7676    | 7276    |
| 4           | ID:01N11068 | NGAURANGA (SH1 - Telemetry Site 3 - SB)              | 20108   | 23040   | 22763   | 21464   | 22667   | 22123   | 21710   | 21589   | 20924   | 21618   | 22201   | 20869   | 19834   |
| 4           | ID:00200895 | CLAREVILLE - Telemetry Site 80 - Nth of Whites Line  | 10713   | 11414   | 11092   | 10594   | 10658   | 10279   | 9971    | 10320   | 9951    | 10614   | 11144   | 11038   | 10813   |
| 4           | ID:00200937 | RIMUTAKA - Telemetry Site 01- Pukuratahi River Brg   | 6377    | 6653    | 5801    |         | 5324    | 5068    | 5178    | 4950    | 4940    | 5531    | 5748    | 6204    | 6448    |
| 4           | ID:01N01036 | PUKERUA BAY - Telemetry Site 47                      | 23301   | 24341   | 23344   | 22915   | 22155   | 21780   | 22204   | 21711   |         | 22791   | 23595   | 24314   | 23351   |
| 4           | ID:01N21068 | NGAURANGA (SH1 - Telemetry Site 4 - NB)              | 19669   | 22947   | 22866   | 21339   | 22816   | 21897   | 21875   | 22495   | 21429   | 22237   | 23337   | 21521   | 20039   |
| 4           | ID:05800009 | Pautahanui East (Telemetry Site 73)                  | 12721   | 14256   | 14062   | 13509   | 13772   | 13261   | 13197   | 13485   | 12978   | 13602   | 14229   | 13870   | 13048   |
| 4           | ID:00210979 | NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes) | 18873   | 22262   | 22227   | 20630   | 22048   | 21223   | 20709   | 21425   | 20063   | 21375   | 22248   | 20305   | 18969   |
| 4           | ID:00220979 | NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes) | 18567   | 22049   | 22002   | 20425   | 21895   | 20754   | 20769   | 21293   | 20194   | 21278   | 22208   | 20163   | 18788   |
| 4           | ID:00210965 | KELSON - Telemetry Site 99 - SB                      | 15908   | 17926   | 17682   | 16994   | 17771   | 16852   | 16855   | 17082   | 16896   | 17284   |         | 16665   | 15977   |
| 4           | ID:00220965 | KELSON - Telemetry Site 99 - NB                      | 14888   | 17087   | 17073   | 16396   | 17240   | 16397   | 16252   | 16687   | 16384   | 16702   |         | 16133   | 15134   |
| 4           | ID:00600122 | STOKE - Telemetry Site 81                            | 21532   | 22276   | 21314   | 19919   | 20729   | 19992   | 19881   | 20359   | 19474   | 20973   | 22573   | 22366   | 22556   |
| 4           | ID:00600232 | MURCHISON - Telemetry Site 35                        |         | 2231    | 1940    | 2095    | 1385    | 1219    | 1336    | 1279    | 1340    | 1689    | 1781    | 2021    | 2377    |
| 4           | ID:00600100 | HIRA - Telemetry Site 36                             | 3802    | 3696    | 3432    | 3243    | 2861    | 2868    | 2622    | 2741    | 3162    | 3313    | 3504    | 3941    |         |
| 4           | ID:06000040 | SH60 Riwaka Telemetry Site 86                        | 5685    | 4819    | 3939    | 3659    | 2790    | 2493    | 2370    | 2386    | 2481    | 3149    | 3666    | 5300    | 5661    |
| 4           | ID:01S00037 | Blenheim Telemetry Site 87                           | 4225    | 3955    |         | 3957    | 3210    | 3188    | 3128    | 3006    | 3101    | 3461    | 3613    | 3997    | 4319    |
| 4           | ID:06300096 | ST ARNAUD - Telemetry Site 93                        | 442     | 418     | 385     | 359     | 239     |         | 243     | 203     |         | 299     | 352     | 347     | 430     |
| 4           | ID:06000006 | RICHMOND - Telemetry Site 112                        | 11370   | 10712   | 10100   | 9995    | 9251    | 8623    | 8464    | 8682    | 8832    | 9491    | 10214   | 11055   | 11582   |
| 5           | ID:01S00389 | DUNSANDEL - Telemetry Site 68 (LTSA)                 | 10649   | 10816   | 10447   | 10796   | 9551    | 9152    | 9707    | 9277    | 9551    | 10512   | 11037   | 11481   | 11333   |
| 5           | ID:01S00505 | EVANS St Timaru - Telemetry Site 69                  | 19845   | 20461   | 20255   | 20008   | 20133   | 20602   | 19897   | 19471   | 19095   | 20780   | 20477   | 21585   | 19619   |
| 5           | ID:07300064 | Springfield - West of Township - Telemetry Site 11   | 1847    | 1646    | 1519    | 1703    | 1198    | 1292    | 1491    | 1527    | 1433    | 1451    | 1577    | 1733    | 1919    |
| 5           | ID:01S00144 | KAIKOURA - Telemetry Site 9 - Nth of Hapuku River    | 3362    | 2903    | 2478    | 2589    | 1905    | 1995    | 1939    | 1723    | 1924    | 2489    | 2486    | 2814    | 3364    |
| 5           | ID:01S00522 | ST ANDREWS - Telemetry Site 31                       | 5865    | 5947    | 5765    | 5991    | 5480    | 5241    | 5302    | 5008    | 5298    | 5966    | 6088    | 6399    | 6262    |
| 5           | ID:00700108 | LEWIS PASS - Telemetry Site 32                       | 1560    | 1337    | 1164    | 1293    | 859     |         | 897     | 818     | 886     | 1207    | 1115    | 1320    | 1630    |
| 5           | ID:01S00285 | WAIPIARA - Telemetry Site 52 - (WIM Site)            | 8924    | 8170    | 6999    |         | 6443    | 6332    | 6503    | 6125    | 6535    | 7857    | 7578    | 8619    | 8863    |
| 5           | ID:01S10327 | WAIMAKARIRI BRIDGE - Telemetry site 96 SB            | 20103   | 21715   | 21823   | 20591   | 21265   | 19692   | 20354   | 20822   | 21057   | 22265   | 22959   | 22313   | 22168   |
| 5           | ID:01S20327 | WAIMAKARIRI BRIDGE - Telemetry site 96 NB            | 18786   | 20647   | 20975   | 19787   | 20410   | 18906   | 19395   | 19993   | 20122   | 21336   | 21901   | 21872   | 20904   |
| 5           | ID:00800059 | FAIRLIE - Telemetry Site 98 (New Dec 09)             | 2707    | 2536    | 2352    | 2603    | 1633    | 1638    | 1868    | 1873    | 1920    |         | 2297    | 2822    | 3161    |
| 5           | ID:07409025 | LYTTLETON TUNNEL - Telemetry Site 114                | 8906    | 9949    | 9840    | 9556    | 9601    | 8998    | 9076    | 9331    | 9496    | 9841    | 10352   | 10144   | 10444   |
| 5           | ID:00600454 | CHESTERFIELD - Telemetry Site 70                     | 3268    | 3275    | 3024    | 2876    | 2614    | 2296    | 2489    | 2489    | 2461    | 2839    | 3087    | 3141    | 3104    |
| 5           | ID:00700239 | AHAURA - Telemetry Site 40                           |         | 1390    | 1354    | 1307    | 1137    | 1084    | 1118    | 1147    | 1116    | 1256    | 1304    | 1288    | 1332    |
| 5           | ID:00600398 | PUNAKAIKI - Telemetry Site 39                        | 1299    | 1287    | 1083    | 1004    | 738     | 640     | 694     | 716     | 744     | 893     | 1061    | 1114    | 1212    |
| 5           | ID:00600753 | HAAST - Telemetry Site 111                           | 1184    | 1125    | 1059    | 915     | 520     | 420     | 468     | 509     | 703     | 927     | 1005    | 1019    | 1157    |
| 6           | ID:00600895 | WANAKA - Telemetry Site 109                          | 4161    | 3547    | 3167    | 3822    | 2563    | 2527    | 2646    | 2733    | 2755    | 3008    | 3068    | 3603    | 4319    |
| 6           | ID:00800263 | TARRAS - Telemetry Site 110                          | 2092    | 1638    | 1424    | 1779    | 941     |         | 1064    | 1087    | 1126    | 1295    | 1322    | 1820    | 2230    |
| 6           | ID:00800336 | ALEXANDRA - Telemetry Site 44                        | 2560    | 2402    | 2231    | 2338    | 1845    | 1768    | 1822    | 1937    | 1982    | 2092    | 2116    | 2417    | 2719    |
| 6           | ID:01S10713 | BURNSIDE - Telemetry Site 63 - Sth Bound             | 13736   | 16031   | 15763   | 14996   | 15824   | 15089   | 15003   | 15293   | 14866   | 15360   | 16413   | 15596   | 14220   |
| 6           | ID:01S20713 | BURNSIDE - Telemetry Site 63 - Nth Bound             | 9560    | 11014   | 10969   | 10361   | 10883   | 10410   | 10431   | 10536   | 10258   | 10640   | 11334   | 10755   | 9912    |
| 6           | ID:01S50713 | BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound   | 2241    | 1502    | 2527    | 2391    | 2556    | 2432    | 2429    | 2442    | 2366    | 2503    | 2667    | 2508    | 2342    |
| 6           | ID:01S60713 | BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound  | 2909    | 1986    | 3425    | 3094    | 3304    | 3144    | 3086    | 3178    | 3015    | 3051    | 3279    | 3018    | 2857    |
| 6           | ID:01S40713 | BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound  | 2935    | 3455    | 3442    | 3204    | 3403    | 3281    | 3187    | 3273    | 3177    | 3150    | 3387    | 3132    | 2934    |
| 6           | ID:01S40714 | Burnside - Nth Bound Off Ramp - Telemetry Site 63    | 2026    | 2306    | 2285    | 2120    | 2251    | 2099    | 2090    | 2158    | 2090    | 2090    | 2262    | 2067    | 1980    |
| 6           | ID:01S00765 | MILTON - Telemetry Site 27                           | 6464    | 6830    | 6515    | 6520    | 6005    | 5478    | 5568    | 5590    | 5633    | 6067    | 6377    | 6488    | 6370    |
| 6           | ID:06A00001 | FRANKTON - Telemetry Site 90                         | 18799   | 18404   | 18036   | 17754   | 15940   | 16281   | 18324   | 18910   | 16619   | 17194   | 18349   | 19471   | 19694   |
| 6           | ID:08S00161 | GALLOWAY - Telemetry Site 89                         | 2339    | 2174    | 1969    | 2022    | 1841    | 1671    | 1702    | 1808    | 1765    | 1875    | 1985    | 2186    | 2313    |
| 6           | ID:08800004 | RAVENSBORNE - Telemetry Site 88                      | 7689    | 8839    | 8815    | 8033    | 8574    | 8174    | 8074    | 8339    | 8190    | 8488    | 9101    | 8816    | 7989    |
| 6           | ID:08300063 | KUROW - Telemetry Site 113                           |         | 1197    | 1018    | 1090    | 668     | 649     | 643     | 690     | 796     | 968     | 985     | 1433    | 1483    |
| 6           | ID:01S00921 | INVERCARGILL - Telemetry Site 62                     | 9339    | 11404   | 11853   | 10496   | 11577   | 11032   | 10914   | 11543   | 10695   | 11003   | 11848   | 10841   | 9829    |
| 6           | ID:00601147 | WINTON - Telemetry Site 46                           | 4322    | 4757    | 4757    | 4488    | 4548    | 4307    | 4290    | 4539    | 4195    | 4605    | 5090    | 4882    | 4524    |
| 6           | ID:00601082 | FIVE RIVERS - Telemetry Site 91                      | 2350    | 2370    | 2084    | 2022    | 1402    | 1273    | 1318    | 1323    | 1382    | 1687    | 1938    | 2520    | 2527    |
| 6           | ID:01S00854 | GORE - Telemetry Site 45                             | 4101    | 4607    | 4267    | 4105    | 3990    | 3670    | 3635    | 3706    | 3555    | 3928    | 4247    | 4216    | 4048    |
| 6           | ID:09400141 | TE ANAU - Telemetry Site 94                          | 1685    | 1599    | 1398    | 1358    | 760     | 625     | 739     | 746     | 709     | 885     | 1184    | 1486    | 1550    |

Note: There are some new sites added and some sites removed since 2013.



## MADT (Heavy Vehicles)

| NZTA Region | Site Ref    | Description   | Jan- 12 | Feb- 12 | Mar- 12 | Apr- 12 | May- 12 | Jun- 12 | Jul- 12 | Aug- 12 | Sep- 12 | Oct- 12 | Nov- 12 | Dec- 12 | Jan- 13 |
|-------------|-------------|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1           | ID:01N00212 | KAWAKAWA - Telemetry Site 18                          | 730     | 756     |         | 677     | 682     | 585     | 573     | 616     | 615     | 749     | 773     | 710     | 793     |
| 1           | ID:01200026 | KAIKOHE - Telemetry Site 102                          |         |         | 65      | 53      | 51      | 61      | 47      | 45      | 52      | 53      | 55      | 55      | 56      |
| 1           | ID:01400016 | MAUNGATAPERE - Telemetry Site 104                     | 231     | 284     | 270     | 263     | 252     | 232     | 241     | 269     | 270     | 311     | 292     | 245     | 285     |
| 1           | ID:01N10459 | DRURY - Telemetry Site 7 - SB (Park Estate)           | 2308    | 2600    | 2700    | 2511    | 2599    | 2388    | 2300    | 2414    | 2241    | 2520    | 2763    | 2562    | 2578    |
| 1           | ID:01N20459 | DRURY - Telemetry Site 7 - NB (Park Estate)           | 2246    | 2486    | 2581    | 2421    | 2478    | 2279    | 2186    | 2290    | 2090    | 2410    | 2641    | 2399    | 2523    |
| 1           | ID:01N00336 | WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd   | 1056    | 1060    | 1001    | 948     | 936     | 839     |         | 822     | 811     | 981     | 1000    | 972     | 1059    |
| 1           | ID:01N10474 | BOMBAY - Telemetry No Site 72 - SB                    | 2296    | 2316    | 2327    | 2198    |         |         | 1899    | 1949    | 1901    | 2101    | 2314    |         |         |
| 1           | ID:01N20474 | BOMBAY - Telemetry Site 72 - NB                       | 2418    | 2395    | 2398    | 2312    |         |         | 1902    | 1939    | 1906    | 2118    | 2322    |         |         |
| 1           | ID:01N00388 | ALPURT - Telemetry Site 95                            | 1435    | 1384    | 1285    | 1278    | 1227    | 1149    | 1096    | 1019    | 1064    | 1238    | 1308    | 1306    | 1411    |
| 1           | ID:01600016 | SH16 Royal Rd to Hobsonville Rd                       |         |         |         |         |         |         | 1910    | 1929    | 1970    | 2217    | 2412    | 1947    | 1920    |
| 1           | ID:01810007 | SH18 Upper Harbour Bridge WB                          | 646     | 770     | 750     |         | 710     | 668     | 689     | 682     | 678     | 749     | 830     | 694     | 882     |
| 1           | ID:01820007 | SH18 Upper Harbour Bridge EB                          | 536     | 637     | 629     |         | 619     | 571     | 574     | 587     | 581     | 632     | 687     | 577     | 551     |
| 1           | ID:02000006 | SH20 Puhinui Rd to Massey Rd                          | 2891    | 3403    | 3580    | 3145    | 3584    | 3268    | 3149    | 3373    | 3269    | 3524    | 4124    | 3450    | 4004    |
| 2           | ID:00200002 | MAUNGATAWHIRI - Telemetry Site 74                     |         | 1668    | 1782    | 1770    | 1692    |         | 1498    | 1559    | 1526    | 1708    | 1847    | 1307    | 1770    |
| 2           | ID:25A00024 | HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd    | 369     | 287     | 261     | 277     | 209     | 215     | 240     | 236     | 266     | 307     | 294     | 348     | 396     |
| 2           | ID:02700011 | KAIHERE - Telemetry Site 33                           | 822     | 935     | 967     | 870     | 900     | 789     | 805     | 810     | 809     | 924     | 998     | 858     | 855     |
| 2           | ID:01N00526 | TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd     | 2016    | 2260    | 2251    | 2107    | 1994    |         |         | 2003    | 2060    | 2324    | 2392    | 2350    | 2194    |
| 2           | ID:01N00620 | LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd     | 1334    | 1545    | 1652    | 1495    | 1508    | 1310    | 1291    | 1404    | 1395    | 1573    | 1680    | 1429    | 1339    |
| 2           | ID:00300085 | TE KUITI - Telemetry Site 16 - Nth of 8 Mile Junction | 655     | 737     | 735     | 713     | 732     | 627     | 592     | 605     | 613     | 701     | 766     | 672     | 684     |
| 2           | ID:03200074 | West of Taupo - Telemetry Site 43                     | 102     | 121     | 104     | 89      | 84      | 75      | 71      | 70      | 67      | 80      | 80      | 74      | 76      |
| 2           | ID:01N00580 | KARAPIRO - Telemetry Site 20                          | 1585    | 1755    | 1727    | 1649    | 1515    | 1314    | 1267    | 1482    |         | 1581    | 1761    | 1775    | 1795    |
| 2           | ID:00200091 | WAIHI - Telemetry Site 34 - East of Samson Rd West    | 808     | 854     | 861     | 826     | 797     | 752     | 665     | 751     | 744     | 812     | 880     | 829     | 878     |
| 2           | ID:01N00729 | HALLETTS BAY - Telemetry Site 42                      | 822     | 888     | 843     | 756     | 786     | 712     | 668     | 678     | 686     | 798     | 881     | 773     | 833     |
| 2           | ID:01N00628 | TOKOROA - Telemetry Site 51 - (WIM Site)              | 1416    | 1595    |         |         | 1525    | 1318    | 1319    | 1457    | 1483    | 1670    | 1742    | 1488    | 1414    |
| 2           | ID:01N90552 | GREENWOOD - Telemetry Site 97                         | 1552    | 1814    | 1765    | 1578    | 1768    |         | 1564    | 1687    | 1649    | 1749    | 1896    | 1671    | 1656    |
| 2           | ID:00200141 | TE PUNA - Telemetry Site 65 - West of Snodgrass       | 1087    | 1212    | 1236    | 1244    | 1325    | 1149    | 1014    | 1146    | 1123    | 1210    | 1276    | 1120    | 1203    |
| 2           | ID:03010149 | TE NGA - Telemetry Site 64                            | 927     | 1022    | 1068    | 957     | 1029    | 952     | 909     | 965     | 968     | 1064    | 1165    | 1033    | 1069    |
| 2           | ID:03020149 | East end of Puarenga Brg (Dec) - Telemetry Site 64    | 951     | 1039    | 1128    | 1028    | 1108    | 1027    | 980     | 1036    | 1025    | 1128    | 1233    | 1064    | 1133    |
| 2           | ID:00200204 | OHINEPANEA - Telemetry Site 13 - West of Rogers Rd    | 719     | 811     | 723     | 783     | 805     | 697     | 658     | 731     | 713     | 826     | 854     | 737     | 761     |
| 2           | ID:03000188 | LAKE ROTOMA - Telemetry Site 22                       | 346     | 372     | 340     | 349     | 348     | 310     | 320     | 336     | 324     | 362     | 366     | 344     | 379     |
| 2           | ID:03300030 | Sth of Maungarangi Rd Paengaroa - Telemetry Site 14   | 571     | 613     | 610     | 599     | 629     | 563     | 504     | 530     | 510     | 592     | 649     | 565     | 630     |
| 2           | ID:00500034 | TARUKENGA - Telemetry Site 15                         | 651     | 682     | 634     | 628     | 569     | 512     | 495     | 545     | 529     | 630     | 683     | 619     | 641     |
| 2           | ID:02900034 | KAIMAI - Telemetry Site 12                            | 1243    | 1424    | 1395    | 1365    | 1305    | 1152    | 1157    | 1207    | 1181    | 1391    | 1487    | 1355    | 1337    |
| 2           | ID:00500057 | WAIPA - Telemetry Site 41 - Sth of SH30               |         | 972     | 956     | 905     | 919     | 829     | 785     | 816     | 825     | 936     | 960     | 686     | 853     |
| 2           | ID:00200176 | TE PUKE - Telemetry Site 49 - (WIM Site)              | 1652    | 1975    | 1885    |         |         |         | 1643    | 1805    | 1689    | 1936    | 2129    | 1695    | 1764    |
| 2           | ID:00200242 | AWAKERI - Telemetry Site 92                           | 619     | 745     | 706     | 797     | 797     | 660     | 690     | 714     | 647     | 729     | 800     | 689     | 746     |
| 2           | ID:00210152 | TAKITIMU DRIVE - Telemetry Site 105 - Inc             | 978     | 1153    | 1171    | 1156    | 1220    | 1073    | 991     | 1066    | 1062    | 1170    | 1278    | 1114    | 1116    |
| 2           | ID:00220152 | TAKITIMU DRIVE - Telemetry Site 105 - Dec             | 982     | 1159    | 1164    | 1153    | 1220    | 1081    | 990     | 1075    | 1072    | 1179    | 1270    | 1095    | 1113    |
| 3           | ID:00200428 | ORMOND : Telemetry Site 26                            | 257     | 379     | 244     | 205     | 237     | 224     | 202     | 215     | 229     | 258     | 256     | 252     | 265     |
| 3           | ID:03500321 | HAMANATUA BRIDGE - Telemetry Site 108 WIM             | 322     | 425     | 367     | 384     | 483     | 443     | 379     | 412     | 505     | 566     | 595     | 465     | 461     |
| 3           | ID:00200627 | TANGOIO - Telemetry Site 24                           | 419     | 440     | 491     | 350     | 401     | 375     | 335     | 377     | 326     | 393     | 412     | 371     | 410     |
| 3           | ID:00500230 | TE POHUE - Telemetry Site 23                          | 458     | 583     | 694     | 564     | 607     | 525     | 505     | 508     | 492     | 584     | 669     | 552     | 602     |
| 3           | ID:00500259 | ESKDALE - Telemetry Site 101 - (WIM Site)             | 577     | 608     | 789     | 628     | 698     | 616     | 613     | 612     | 596     | 673     | 684     | 572     | 598     |
| 3           | ID:05000010 | Nth of Tutakuri River (Telemetry Site 58)             |         | 1547    | 1588    | 1432    | 1518    | 1381    | 1241    | 1266    | 1252    | 1396    | 1510    | 1318    | 1423    |
| 3           | ID:00300171 | TONGAPORUTU Brg - Telemetry Site 78                   | 464     | 457     | 440     | 428     | 424     | 384     | 353     | 357     | 381     | 428     | 474     | 408     | 447     |
| 3           | ID:00300267 | TARIKI - Telemetry Site 6                             | 987     | 1063    | 1097    | 1048    | 1070    | 884     | 848     | 931     | 975     | 1056    | 1136    | 1012    | 1053    |
| 3           | ID:00300370 | WAITOTARA - Telemetry Site 5                          | 565     | 599     | 642     | 672     | 623     | 480     | 480     | 599     | 572     | 661     | 725     | 648     | 606     |
| 3           | ID:04500101 | OHAWA BEACH Rd - Telemetry Site 71                    | 501     | 497     | 463     | 434     | 342     | 237     | 243     | 406     | 563     | 633     | 641     | 574     | 543     |
| 3           | ID:01N00930 | SANSON - Telemetry Site 38                            | 1477    | 1636    | 1646    | 1552    | 1536    | 1355    | 1334    | 1419    |         | 1568    | 1733    | 1591    | 1566    |
| 3           | ID:01N00988 | OHAU - Telemetry Site 56                              | 1376    | 1559    | 1494    | 1388    | 1423    | 1305    | 1305    | 1309    | 1301    | 1432    | 1561    | 1396    | 1433    |
| 3           | ID:00200755 | NORSEWOOD - Telemetry Site 25                         | 621     | 698     | 704     | 653     | 652     | 513     | 499     | 515     | 527     | 630     |         | 604     | 657     |
| 3           | ID:00300489 | MANAWATU GORGE - Telemetry Site 30                    |         |         |         |         |         | 426     |         |         | 487     | 683     | 793     | 723     | 758     |
| 3           | ID:00400133 | HOROPITO - Telemetry Site 37                          | 285     | 325     | 317     | 296     | 291     | 277     | 270     | 266     | 260     | 264     | 300     | 267     | 304     |

Note: There are some new sites added and some sites removed since 2013.

# MADT (Heavy Vehicles)

| NZTA Region | Site Ref    | Description   | Jan- 12 | Feb- 12 | Mar- 12 | Apr- 12 | May- 12 | Jun- 12 | Jul- 12 | Aug- 12 | Sep- 12 | Oct- 12 | Nov- 12 | Dec- 12 | Jan- 13 |
|-------------|-------------|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3           | ID:00400226 | UPOKONGARO - Telemetry Site 28                          | 184     | 175     | 181     | 163     | 151     | 143     | 128     | 125     | 127     | 148     | 164     | 158     | 170     |
| 3           | ID:01N00827 | HIHITAHU - Telemetry Site 29                            | 829     | 993     | 1004    | 914     | 938     | 822     | 825     | 831     | 815     | 962     | 1062    | 894     | 992     |
| 3           | ID:05400049 | FIELDING - Telemetry Site 106                           | 234     | 274     | 289     | 247     | 259     | 239     | 252     | 243     | 236     | 244     | 277     | 236     | 225     |
| 3           | ID:05700014 | SHANNON - Telemetry Site 107                            | 606     | 714     | 695     | 625     | 644     | 623     | 588     | 594     | 602     | 665     | 732     | 661     | 665     |
| 4           | ID:01N11068 | NGAURANGA (SH1 - Telemetry Site 3 - SB)                 | 709     | 813     | 765     | 710     | 778     | 751     | 705     | 623     | 620     | 646     | 699     | 608     | 611     |
| 4           | ID:00200895 | CLAREVILLE - Telemetry Site 80 - Nth of Whites Line     | 569     | 686     | 670     | 600     | 576     | 476     | 487     | 537     | 557     | 669     | 680     | 603     | 602     |
| 4           | ID:00200937 | RIMUTAKA - Telemetry Site 01 - Pukuratahi River Brg     | 359     | 401     | 380     |         | 328     | 266     | 283     | 286     | 280     | 332     | 361     | 345     | 354     |
| 4           | ID:01N01036 | PUKERUA BAY - Telemetry Site 47                         | 1619    | 1896    | 1871    | 1738    | 1863    | 1675    | 1702    | 1746    |         | 1843    | 2116    | 1912    | 1758    |
| 4           | ID:01N21068 | NGAURANGA (SH1 - Telemetry Site 4 - NB)                 | 668     | 769     | 740     | 671     | 733     | 682     | 689     | 617     | 559     | 606     | 661     | 565     | 556     |
| 4           | ID:05800009 | Pauatahanui East (Telemetry Site 73)                    | 619     | 738     | 668     | 551     | 560     | 507     | 490     | 509     | 508     | 547     | 592     | 564     | 534     |
| 4           | ID:00210979 | NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)    | 800     | 891     | 883     | 810     | 872     | 876     | 794     | 669     | 641     | 701     | 735     | 624     | 630     |
| 4           | ID:00220979 | NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)    | 694     | 778     | 762     | 692     | 757     | 738     | 723     | 739     | 699     | 767     | 813     | 699     | 699     |
| 4           | ID:00210965 | KELSON - Telemetry Site 99 - SB                         | 643     | 777     | 760     | 699     | 723     | 619     | 631     | 653     | 650     | 699     |         | 609     | 598     |
| 4           | ID:00220965 | KELSON - Telemetry Site 99 - NB                         | 546     | 663     | 699     | 669     | 679     | 583     | 580     | 613     | 608     | 670     |         | 621     | 594     |
| 4           | ID:00600122 | STOKE - Telemetry Site 81 - Whakatu Drive at Songer St  | 1291    | 1355    | 1415    | 1273    | 1347    | 1181    | 1183    | 1185    | 1130    | 1272    | 1433    | 1197    | 1375    |
| 4           | ID:00600232 | MURCHISON - Telemetry Site 35                           |         | 349     | 328     | 310     | 260     | 189     | 211     | 231     | 235     | 275     | 314     | 283     | 361     |
| 4           | ID:00600100 | HIRA - Telemetry Site 36                                | 495     | 533     | 522     | 479     | 478     | 428     |         | 415     | 445     | 511     | 523     | 479     | 505     |
| 4           | ID:06000040 | SH60 Riwaka Telemetry Site 86                           | 312     | 308     | 291     | 261     | 219     | 152     | 145     | 154     | 170     | 219     | 288     | 248     | 273     |
| 4           | ID:01S00037 | Blenheim Telemetry Site 87                              | 637     | 669     |         | 714     | 616     | 489     | 454     | 500     | 491     | 571     | 602     | 565     | 611     |
| 4           | ID:06300096 | ST ARNAUD - Telemetry Site 93                           | 41      | 46      | 43      | 39      | 33      |         | 20      | 20      |         | 38      | 53      | 37      | 43      |
| 5           | ID:01S00389 | DUNSANDEL - Telemetry Site 68 (LTSA)                    | 1554    | 1632    | 1554    | 1484    | 1453    | 1202    | 1196    | 1292    | 1357    | 1565    | 1700    | 1608    | 1705    |
| 5           | ID:01S00505 | EVANS St Timaru - Telemetry Site 69                     | 1494    | 1638    | 1619    | 1539    | 1537    | 1240    | 1211    | 1205    | 1363    | 1629    | 1478    | 1400    | 1309    |
| 5           | ID:07300064 | Springfield - West of Township - Telemetry Site 11      | 241     | 216     | 196     | 191     | 184     | 140     | 155     | 170     | 167     | 201     | 226     | 203     | 240     |
| 5           | ID:01S00144 | KAIKOURA - Telemetry Site 9 - Nth of Hapuku River       | 538     | 559     | 532     | 486     | 486     | 439     | 411     | 403     | 435     | 511     | 542     | 467     | 535     |
| 5           | ID:01S00522 | ST ANDREWS - Telemetry Site 31                          | 963     | 1006    | 985     | 952     | 930     | 716     | 684     | 732     | 870     | 1014    | 1020    | 973     | 1037    |
| 5           | ID:00700108 | LEWIS PASS - Telemetry Site 32                          | 237     | 215     | 201     | 193     | 175     |         | 140     | 140     | 147     | 191     | 198     | 193     | 255     |
| 5           | ID:01S00285 | WAIPARA - Telemetry Site 52 - (WIM Site)                | 1377    | 1413    | 1273    |         | 1134    | 933     | 919     | 936     | 1035    | 1207    | 1258    | 1228    | 1281    |
| 5           | ID:01S10327 | WAIMAKARIRI BRIDGE - Telemetry site 96 SB               | 1271    | 1419    | 1386    | 1316    | 1384    | 1188    | 1226    | 1355    | 1440    | 1598    | 1680    | 1472    | 1555    |
| 5           | ID:01S20327 | WAIMAKARIRI BRIDGE - Telemetry site 96 NB               | 1135    | 1287    | 1264    | 1208    | 1241    | 1061    | 1082    | 1154    | 1229    | 1359    | 1424    | 1327    | 1287    |
| 5           | ID:07409025 | LYTTLETON TUNNEL - Telemetry Site 114                   | 1405    | 1510    | 1451    | 1532    | 1587    | 1354    | 1544    | 1476    | 1408    | 1581    | 1630    | 1458    | 1588    |
| 5           | ID:00800059 | FAIRLIE - Telemetry Site 98                             | 336     | 318     | 302     | 318     | 202     | 162     | 161     | 172     | 205     |         | 314     | 349     | 381     |
| 5           | ID:00600454 | CHESTERFIELD - Telemetry Site 70                        | 378     | 380     | 342     | 325     | 284     | 188     | 207     | 244     | 309     | 388     | 429     | 380     | 377     |
| 5           | ID:00700239 | AHAURA - Telemetry Site 40                              |         | 195     | 195     | 178     | 148     | 135     | 143     | 159     | 183     | 223     | 236     | 194     | 209     |
| 5           | ID:00600398 | PUNAKAIKI - Telemetry Site 39 - Just Nth of Canoe Creek | 110     | 118     | 109     | 103     | 72      | 57      | 57      | 80      | 101     | 113     | 131     | 115     | 115     |
| 6           | ID:00800336 | ALEXANDRA - Telemetry Site 44 - Sth Near Butchers Dam   | 273     | 257     | 239     | 224     | 202     | 159     | 164     | 204     | 182     | 200     | 223     | 226     | 266     |
| 6           | ID:01S10713 | BURNSIDE - Telemetry Site 63 - Sth Bound                | 831     | 952     | 923     | 837     | 850     | 717     | 710     | 737     | 753     | 816     | 927     | 812     | 803     |
| 6           | ID:01S20713 | BURNSIDE - Telemetry Site 63 - Nth Bound                | 664     | 742     | 729     | 641     | 658     | 545     | 536     | 565     | 580     | 633     | 726     | 627     | 613     |
| 6           | ID:01S50713 | BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound      | 106     | 68      | 131     | 128     | 130     | 111     | 109     | 111     | 112     | 126     | 140     | 120     | 117     |
| 6           | ID:01S60713 | BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound     | 174     | 122     | 216     | 195     | 197     | 183     | 187     | 190     | 180     | 195     | 212     | 187     | 184     |
| 6           | ID:01S40713 | BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound     | 129     | 155     | 158     | 148     | 140     | 121     | 118     | 118     | 120     | 130     | 142     | 128     | 130     |
| 6           | ID:01S40714 | Burnside - Nth Bound Off Ramp - Telemetry Site 63       | 64      | 79      | 75      | 70      | 74      | 67      | 69      | 73      | 73      | 72      | 78      | 68      | 69      |
| 6           | ID:01S00765 | MILTON - Telemetry Site 27                              | 915     | 953     | 921     | 836     | 807     | 614     | 610     | 662     | 730     | 844     | 964     | 839     | 820     |
| 6           | ID:06A00001 | FRANKTON - Telemetry Site 90                            | 1127    | 1386    | 987     | 892     | 746     | 663     | 797     | 844     | 765     | 806     | 946     | 949     | 969     |
| 6           | ID:08500161 | GALLOWAY - Telemetry Site 89                            | 148     | 152     | 144     | 135     | 128     | 99      | 96      | 121     | 104     | 113     | 134     | 126     | 138     |
| 6           | ID:08800004 | RAVENSBOURNE - Telemetry Site 88                        | 491     | 549     | 513     | 490     | 500     | 406     | 388     | 409     | 407     | 457     | 613     | 565     | 467     |
| 6           | ID:01S00921 | INVERCARGILL - Telemetry Site 62                        | 304     | 376     | 383     | 336     | 374     | 365     | 380     | 421     | 386     | 407     | 427     | 347     | 327     |
| 6           | ID:00601147 | WINTON - Telemetry Site 46                              | 453     | 518     | 515     | 471     | 428     | 347     | 336     | 411     | 390     | 466     | 540     | 468     | 463     |
| 6           | ID:00601082 | FIVE RIVERS - Telemetry Site 91                         | 249     | 246     | 227     | 207     | 161     | 127     | 132     | 147     | 137     | 177     | 231     | 242     | 250     |
| 6           | ID:01S00854 | GORE - Telemetry Site 45                                | 554     | 628     | 596     | 540     | 507     | 372     | 337     | 426     | 438     | 513     | 590     | 527     | 517     |
| 6           | ID:09400141 | TE ANAU - Telemetry Site 94                             | 175     | 172     | 161     | 156     | 79      | 61      | 77      | 78      | 72      | 96      | 147     | 154     | 155     |

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