



## Traffic Volumes Monthly Report May 2013

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#### Quality Assurance Statement

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Approved for issue by: Philip Blagdon

#### Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	10/06/2013	Final	Gerald Wen	Philip Blagdon	

## Overview

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### Summary

The purpose of this report is to provide information about changes to and trends in Monthly Average Daily Traffic (MADT) on state highways.

### May 2013 State Highway Traffic Insight

**2.1%**

Nationally, the MADT of all vehicles was up 2.1% versus May 2012. All the regions had an increase between 1.1% to 5.6%, except region 6 (Otago and Southland) had a slight decrease of 0.4%.

**0.2%**

Nationally, the MADT for heavy vehicles was up 0.2 % versus May 2012. All the regions had an increase between 1.2% to 3.8%, except region 2 and region 4 had a slight decrease.

**5.6%**

Looking at the MADT of all vehicles, region 5 (Canterbury and West Coast) showed strong performances (5.6%) against other regions, followed by region 3 (3.9%).

**3.8%**

Region 1 had the biggest increase in heavy vehicles MADT compared with other regions, followed by region 6 (2.9%) and then region 5 (1.9%).

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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.

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**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.

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

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**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.

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**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.

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<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 May 2012, May 2013 and percentage change compared are reported in the table below.

Note the MADT values include all vehicles.

Site	City Represented	MADT (All Vehicles) May - 12	MADT (All Vehicles) May - 13	% Change
Auckland Harbour Bridge (SH1)	Auckland	161257	161188	0%
Greenwood (SH1)	Hamilton	23412	24556	5%
Ngauranga Interchange (SH 1 and SH2)	Wellington	89426	90252	1%
Waimakariri Bridge	Christchurch	41675	44380	6%
Burnside	Dunedin	26707	26779	0%

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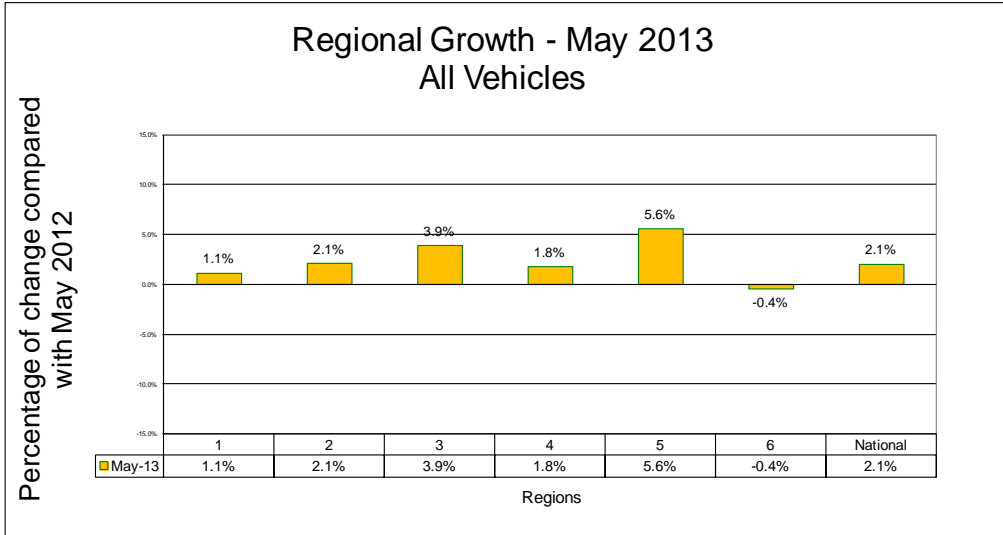
# Results: All Vehicles

## 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

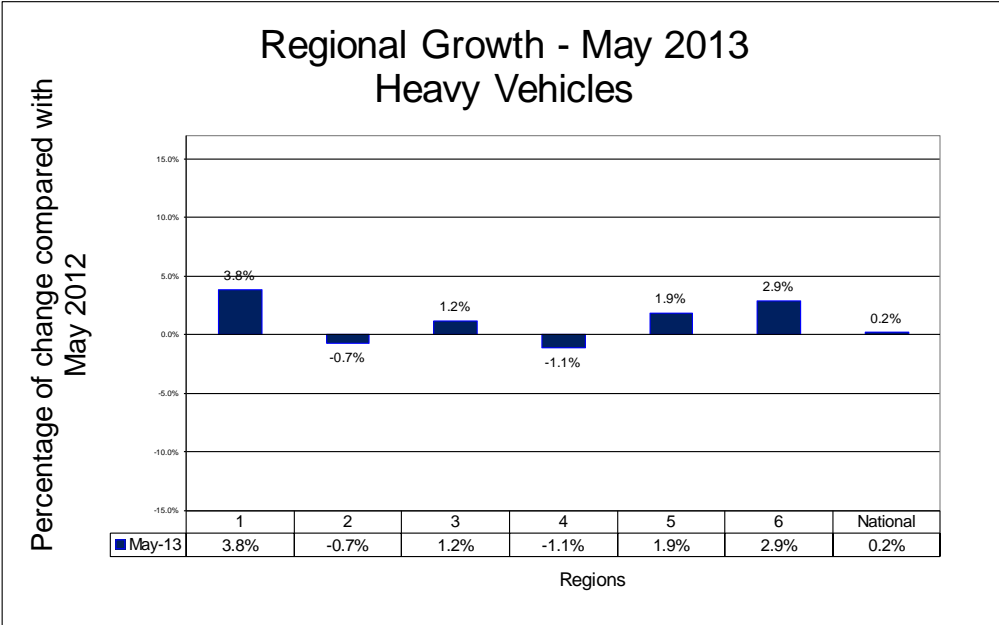
A table of MADT (all vehicles) values for the past thirteen months is attached to this report.

# 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/>

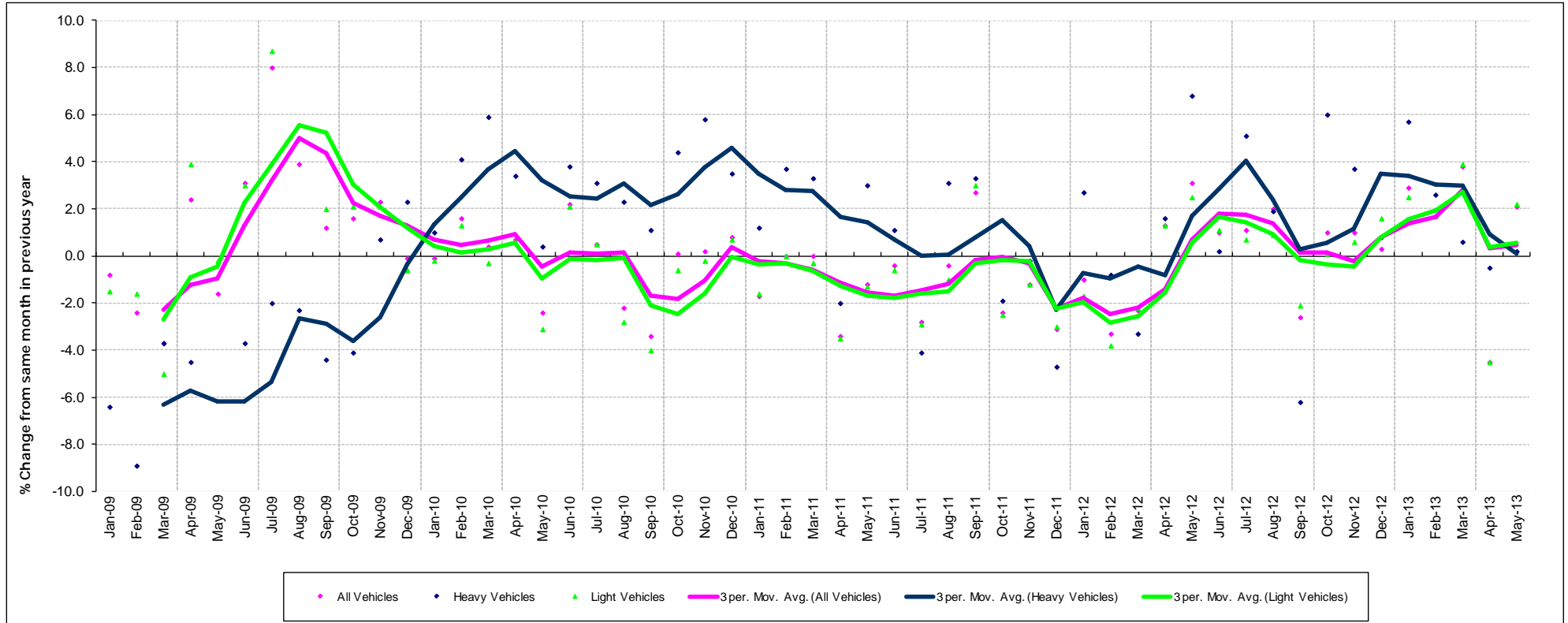
**All sites**

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 versus the same month of the previous year, summarising the figures published in the previous monthly reports.



Year	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
January	-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	-2.4	-1.6	-8.9	1.6	1.3	4.1	0.0	0.0	3.7	-3.3	-3.8	-0.8	1.7	1.7	2.6
March	-3.7	-5.0	-3.7	0.4	-0.3	5.9	0.0	-0.3	3.3	-2.3	-2.2	-3.3	3.8	3.9	0.6
April	2.4	3.9	-4.5	0.7	0.6	3.4	-3.4	-3.5	-2.0	1.3	1.3	1.6	-4.5	-4.5	-0.5
May	-1.6	-0.2	-10.3	-2.4	-3.1	0.4	-1.2	-1.3	3	3.1	2.5	6.8	2.1	2.2	0.2
June	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	8.7	-2.0	0.5	0.5	3.1	-2.8	-2.9	-4.1	1.1	0.7	5.1			
August	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	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	2.1	-4.1	0.1	-0.6	4.4	-2.4	-2.5	-1.9	1.0	0.1	6.0			
November	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	-0.1	-0.6	2.3	0.8	0.7	3.5	-3.1	-3	-4.7	0.3	1.6	0.8			

## Appendices

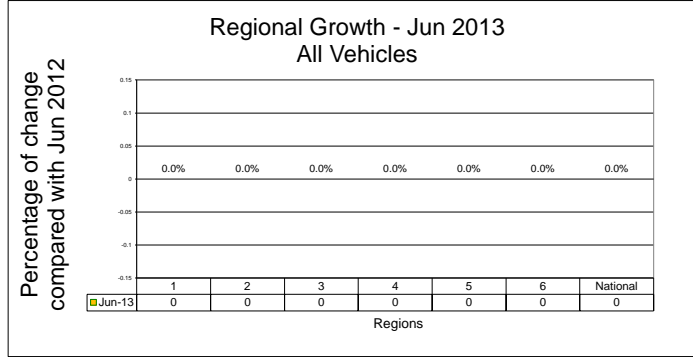
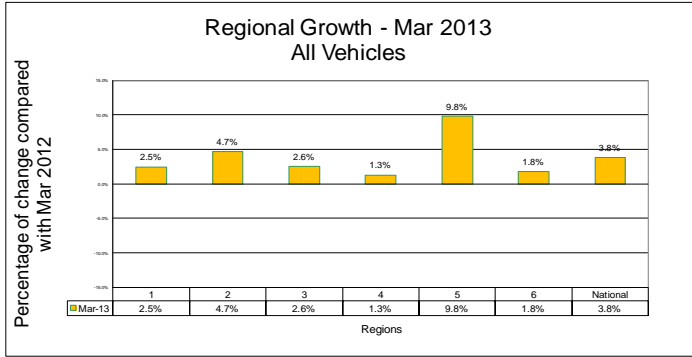
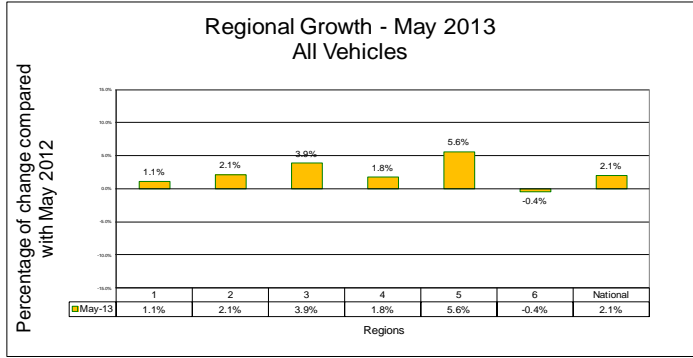
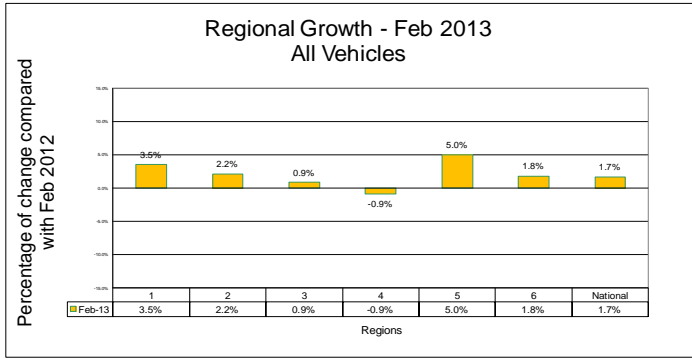
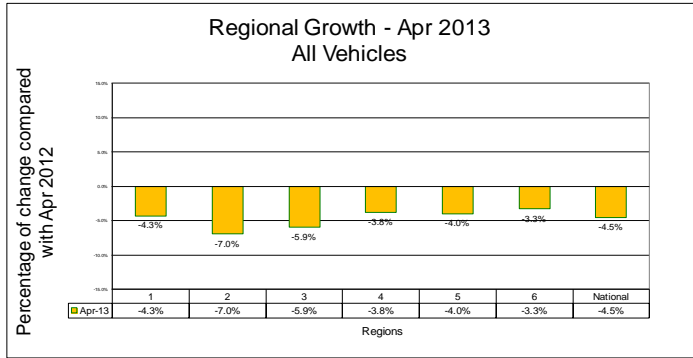
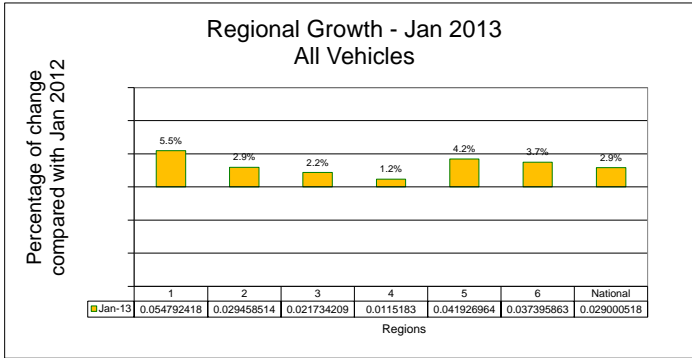
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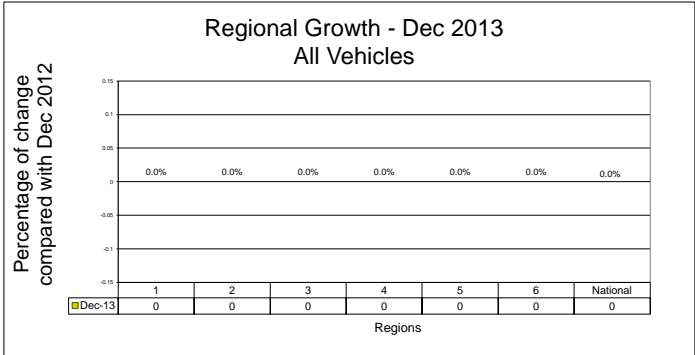
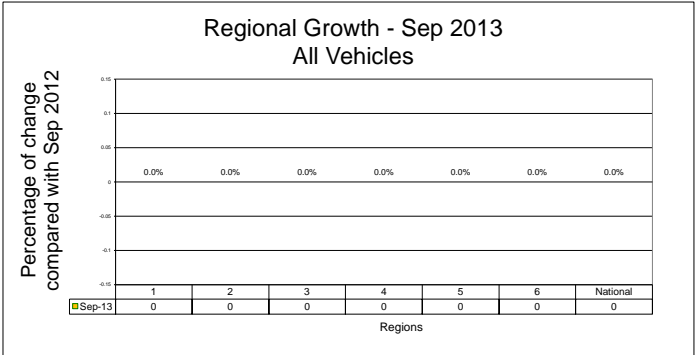
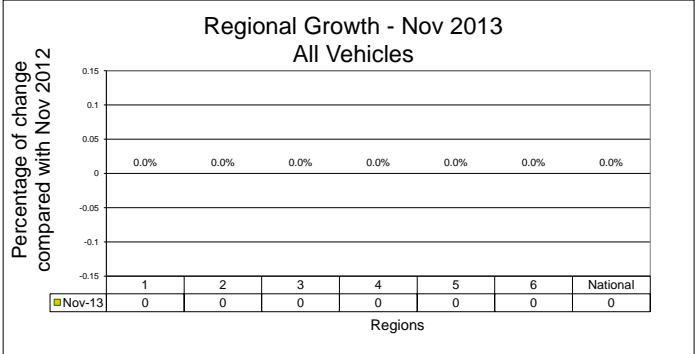
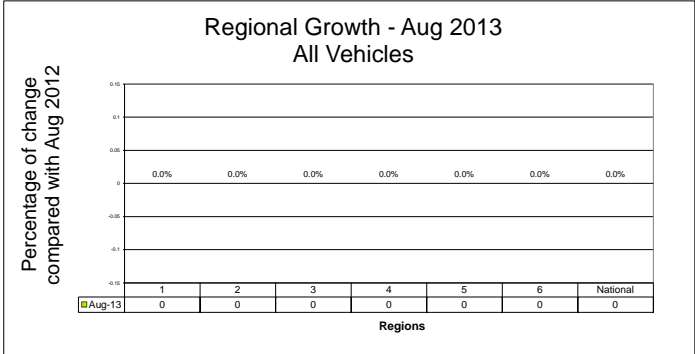
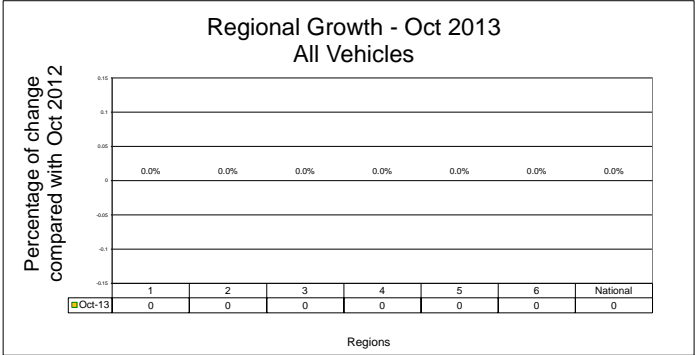
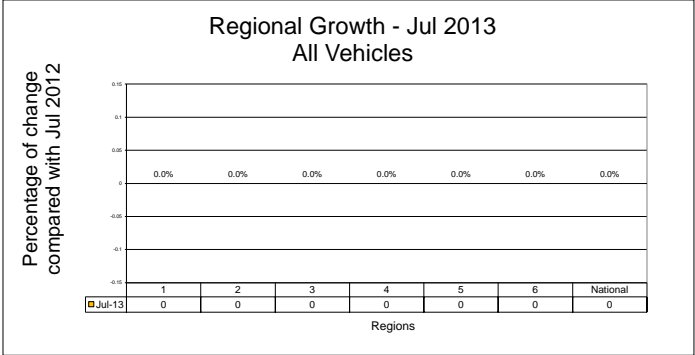
### Current Year Growth Graphs

- All Vehicles
- Heavy Vehicles

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

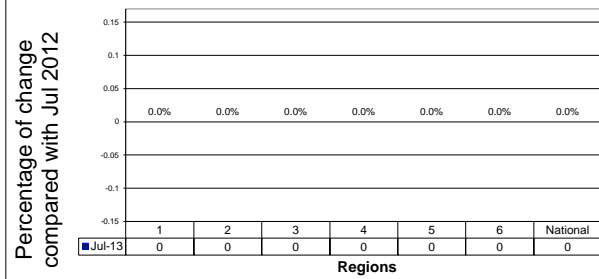
- All Vehicles
- Heavy Vehicles



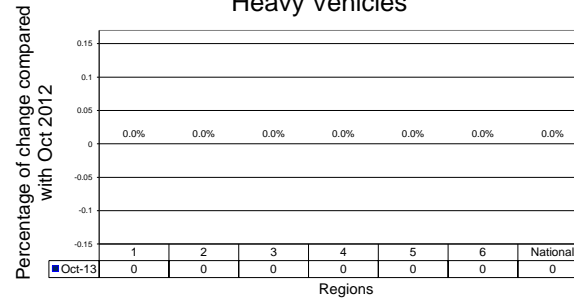




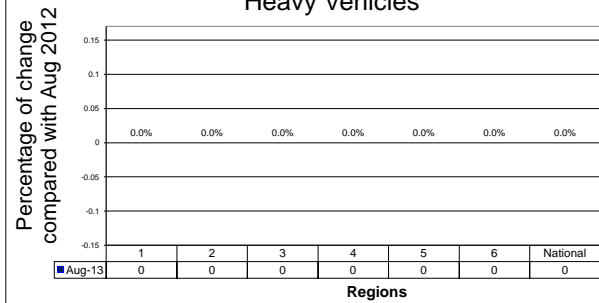
Regional Growth - Jul 2013  
Heavy Vehicles



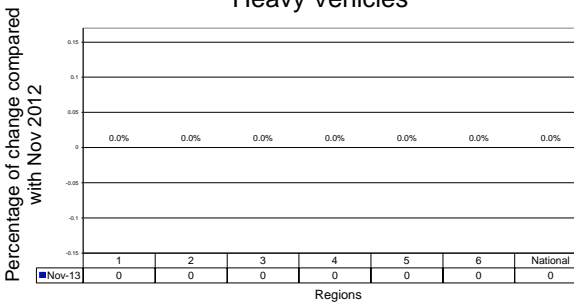
Regional Growth - Oct 2013  
Heavy Vehicles



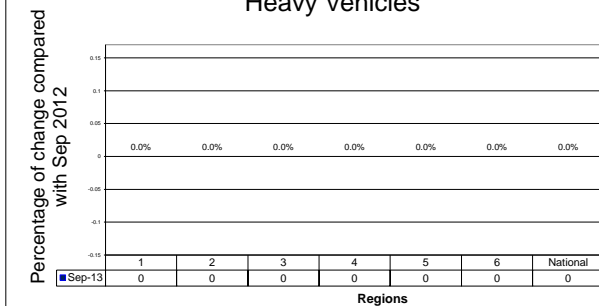
Regional Growth - Aug 2013  
Heavy Vehicles



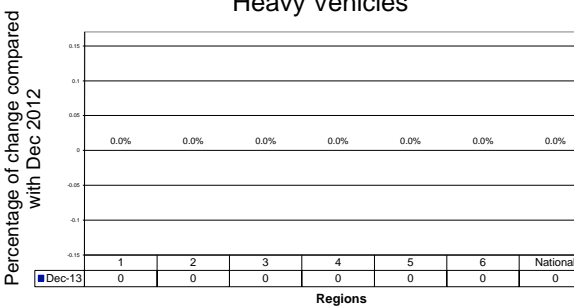
Regional Growth - Nov 2013  
Heavy Vehicles



Regional Growth - Sep 2013  
Heavy Vehicles



Regional Growth - Dec 2013  
Heavy Vehicles







MADT (All Vehicles)

NZTA Region	Site Ref	Description	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13	May- 13
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	22667	22123	21710	21589	20924	21618	22201	20869	19834	21633	21384	20562	22266
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	10658	10279	9971	10320	9951	10614	11144	11038	10813	11240	11016	10164	10608
4	ID:00200937	RIMUTAKA - Telemetry Site 01 - Pukuratahi River Brq	5324	5068	5178	4950	4940	5531	5748	6204	6448	6208	6356	5463	5233
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47	22155	21780	22204	21711		22791	23595	24314	23351	24258	23941	22041	22775
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	22816	21897	21875	22495	21429	22237	23337	21521	20039	22216	22244		23307
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	13772	13261	13197	13485	12978	13602	14229	13870	13048	14304	14247	13151	13975
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	22048	21223	20709	21425	20063	21375	22248	20305	18969	21836	21369	20493	22340
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	21895	20754	20769	21293	20194	21278	22208	20163	18788	21398	20841		22339
4	ID:00210965	KELSON - Telemetry Site 99 - SB	17771	16852	16855	17082	16896	17284		16665	15977	17710	17268	16356	17529
4	ID:00220965	KELSON - Telemetry Site 99 - NB	17240	16397	16252	16687	16384	16702		16133	15134	16936	16664	15776	17025
4	ID:00600122	STOKE - Telemetry Site 81	20729	19992	19881	20359	19474	20973	22573	22366	22556		21774	20553	21902
4	ID:00600232	MURCHISON - Telemetry Site 35	1385	1219	1336	1279	1340	1689	1781	2021	2377	2239	2013	1739	1481
4	ID:00600100	HIRA - Telemetry Site 36	2861	2868		2622	2741	3162	3313	3504	3941	3814	3675	3024	2873
4	ID:06000040	SH60 Riwaka Telemetry Site 86	2790	2493	2370	2386	2481	3149	3666	5300	5661	4984	4274	3280	2920
4	ID:01S00037	Blenheim Telemetry Site 87	3210	3188	3128	3006	3101	3461	3613	3997	4319	4006	3932	3948	3416
4	ID:06300096	ST ARNAUD - Telemetry Site 93	239		243	203	299	352	347	430	449	422	422	323	257
4	ID:06000006	RICHMOND - Telemetry Site 112	9251	8623	8464	8682	8832	9491	10214	11055	11582	10930	10493	9228	9524
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (L TSA)	9551	9152	9707	9277	9551	10512	11037	11481	11333	11358	11470	10592	10087
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	20133	20602	19897	19471	19095	20780	20477	21585	19619		19714	18957	19805
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	1198	1292	1491	1527	1433	1451	1577	1733	1919	1920	1839	1600	1271
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	1905	1995	1939	1723	1924	2489	2486	2814	3364	2915	2772	2533	2088
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	5480	5241	5302	5008	5298	5966	6088	6399	6262	6308	6340	6010	5715
5	ID:00700108	LEWIS PASS - Telemetry Site 32	859		897	818	886	1207	1115	1320	1630	1362	1282	1182	928
5	ID:01S00285	WAIPARA - Telemetry Site 52 -(WIM Site)	6443	6332	6503	6125	6535	7857	7578	8619	8863	8252	7992		
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	21265	19692	20354	20822	21057	22265	22959	22313	22168	23149	22692	21611	22522
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	20410	18906	19395	19993	20122	21336	21901	21872	20904	22088	22179	20520	21858
5	ID:00800059	FAIRLIE - Telemetry Site 98 (New Dec 09)	1633	1638	1868	1873	1920		2297	2822	3161	2764	2689	2410	1813
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	9601	8998	9076	9331	9496	9841	10352	10144	10444	10764	10544	9775	9990
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	2614	2296	2489	2489	2461	2839	3087	3141	3104	3290	3167	2762	2606
5	ID:00700239	AHAURA - Telemetry Site 40	1137	1084	1118	1147	1116	1256	1304	1288	1332	1375	1340	1178	1138
5	ID:00600398	PUNAKAIKI - Telemetry Site 39	738	640	694	716	744	893	1061	1114	1212	1297	1142	896	729
5	ID:00600753	HAAST - Telemetry Site 111	520	420	468	509	703	927	1005	1019	1157	1297	1172	841	535
6	ID:00600895	WANAKA - Telemetry Site 109	2563	2527	2646	2733	2755	3008	3068	3603	4319	3533	3536	3185	2688
6	ID:00800263	TARRAS - Telemetry Site 110	941		1064	1087	1126	1295	1322	1820	2230	1716	1890	1563	1077
6	ID:00800336	ALEXANDRA - Telemetry Site 44	1845	1768	1822	1937	1982	2092	2116	2417	2719	2433	2383	2196	1905
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	15824	15089	15003	15293	14866	15360	16413	15596	14220	16157	15564	15315	15760
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	10883	10410	10431	10536	10258	10640	11334	10755	9912	11229	10974	10830	11019
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	2556	2432	2429	2442	2366	2503	2667	2508	2342	2560	2475	2439	2535
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	3304	3144	3086	3178	3015	3051	3279	3018	2857	3220	3303	2969	3122
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	3403	3281	3187	3273	3177	3150	3387	3132	2934	3365	3210	3059	3259
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	2251	2099	2090	2158	2090	2090	2262	2067	1980	2215	2114	1999	2115
6	ID:01S00765	MILTON - Telemetry Site 27	6005	5478	5568	5590	5633	6067	6377	6488	6370	6668	6653	6350	5937
6	ID:06A00001	FRANKTON - Telemetry Site 90	15940	16281	18324	18910	16619	17194	18349	19471	19694	20129	19449	18083	16397
6	ID:08500161	GALLOWAY - Telemetry Site 89	1841	1671	1702	1808	1765	1875	1985	2186	2313	2126	2004	1906	1869
6	ID:08800004	RAVENSBOURNE - Telemetry Site 88	8574	8174	8074	8339	8190	8488	9101	8816	7989	9296	8961	8473	8494
6	ID:08300063	KUROW - Telemetry Site 113	668	649	643	690	796	968	985	1433	1483	1219	1144	932	728
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	11577	11032	10914	11543	10695	11003	11848	10841	9829	11598	11582	11244	11411
6	ID:00601147	WINTON - Telemetry Site 46	4548	4307	4290	4539	4195	4605	5090	4882	4524	4999	4903	4629	4786
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	1402	1273	1318	1323	1382	1687	1938	2520	2527	2458	2244	2058	1447
6	ID:01S00854	GORE - Telemetry Site 45	3990	3670	3635	3706	3555	3928	4247	4216	4048	4327	4201	3969	3895
6	ID:09400141	TE ANAU - Telemetry Site 94	760	625	739	746	709	885	1184	1486	1550	1679	1558	1216	749

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

## MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13	May- 13
1	ID:01N00212	KAWAKAWA - Telemetry Site 18	682	585	573	616	615	749	773	710	793	773	753	669	683
1	ID:01200026	KAIKOE - Telemetry Site 102	51	61	47	45	52	53	55	55	56	66	70	55	51
1	ID:01400016	MAUNGATAPERE - Telemetry Site 104	252	232	241	269	270	311	292	245	285	331	315	283	291
1	ID:01N10459	DRURY - Telemetry Site 7 - SB (Park Estate)	2599	2388	2300	2414	2241	2520	2763	2562	2578	2722	2717	2484	2743
1	ID:01N20459	DRURY - Telemetry Site 7 - NB (Park Estate)	2478	2279	2186	2290	2090	2410	2641	2399	2523	2606	2607	2455	2573
1	ID:01N00336	WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd	936	839		822	811	981	1000	972	1059	1043	961	911	938
1	ID:01N10474	BOMBAY - Telemetry No Site 72 - SB			1899	1949	1901	2101	2314				2151	2021	2152
1	ID:01N20474	BOMBAY - Telemetry Site 72 - NB			1902	1939	1906	2118	2322				2061	1923	1997
1	ID:01N00388	ALPURT - Telemetry Site 95	1227	1149	1096	1019	1064	1238	1308	1306	1411	1362	1302	1179	1184
1	ID:01600016	SH16 Royal Rd to Hobsonville Rd			1910	1929	1970	2217	2412	1947	1920	2372	2440	2306	2165
1	ID:01810007	SH18 Upper Harbour Bridge WB	710	668	689	682	678	749	830	694	882	1263	1225	1726	1746
1	ID:01820007	SH18 Upper Harbour Bridge EB	619	571	574	587	581	632	687	577	551	646	634	644	
1	ID:02000006	SH20 Puhinui Rd to Massey Rd	3584	3268	3149	3373	3269	3524	4124	3450	4004	3961	3818	3629	4673
2	ID:00200002	MAUNGATAWHIRI - Telemetry Site 74	1692		1498	1559	1526	1708	1847	1307	1770	1912	1802	1682	1748
2	ID:25A00024	HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	209	215	240	236	266	307	294	348	396	303	298	242	212
2	ID:02700011	KAIHERE - Telemetry Site 33	900	789	805	810	809	924	998	858	855	976	963	911	915
2	ID:01N00526	TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd	1994		2003	2060	2324	2392	2350	2194	2355	2305	2152	2233	
2	ID:01N00620	LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd	1508	1310	1291	1404	1395	1573	1680	1429	1339	1589		1506	1465
2	ID:00300085	TE KUITI - Telemetry Site 16 - Nth of 8 Mile Junction	732	627	592	605	613	701	766	672	684	818	756	723	723
2	ID:03200074	West of Taupo - Telemetry Site 43	84	75	71	70	67	80	80	74	76	82	91	67	63
2	ID:01N00580	KARAPIRO - Telemetry Site 20	1515	1314	1267	1482		1581	1761	1775	1795	1892	1832	1466	1482
2	ID:00200091	WAIHI - Telemetry Site 34 - East of Samson Rd West	797	752	665	751	744	812	880	829	878	887	882	786	807
2	ID:01N00729	HALLETTS BAY - Telemetry Site 42	786	712	668	678	686	798	881	773	833	897	827	764	772
2	ID:01N00628	TOKOROA - Telemetry Site 51 - (WIM Site)	1525	1318	1319	1457	1483	1670	1742	1488	1414	1612	1625	1426	1450
2	ID:01N90552	GREENWOOD - Telemetry Site 97	1768		1564	1687	1649	1749	1896	1671	1656	1832	1775	1709	1858
2	ID:00200141	TE PUNA - Telemetry Site 65 - West of Snodgrass	1325	1149	1014	1146	1123	1210	1276	1120	1203	1208	1167	1291	
2	ID:03010149	TE NGA - Telemetry Site 64	1029	952	909	965	968	1064	1165	1033	1069	1223	1092	941	1024
2	ID:03020149	East end of Puarenga Brg (Dec) - Telemetry Site 64	1108	1027	980	1036	1025	1128	1233	1064	1133	1312	1167	1034	1097
2	ID:00200204	OHINEPANEA - Telemetry Site 13 - West of Rogers Rd	805	697	658	731	713	826	854	737	761	770	716	681	742
2	ID:03000188	LAKE ROTOMA - Telemetry Site 22	348	310	320	336	324	362	366	344	379	372	358	347	344
2	ID:03300030	Sth of Maungarangi Rd Paengaroa - Telemetry Site 14	629	563	504	530	510	592	649	565	630	707	708	584	634
2	ID:00500034	TARUKENGA - Telemetry Site 15	569	512	495	545	529	630	683	619	641	704	676	639	605
2	ID:02900034	KAIMAI - Telemetry Site 12	1305	1152	1157	1207	1181	1391	1487	1355	1337	1533	1505	1387	1427
2	ID:00500057	WAIPA - Telemetry Site 41 - Sth of SH30	919	829	785	816	825	936	960	686	853	965	947	865	898
2	ID:00200176	TE PUKE - Telemetry Site 49 - (WIM Site)			1643	1805	1689	1936	2129	1695	1764		1936	1845	2156
2	ID:00200242	AWAKERI - Telemetry Site 92	797	660	690	714	647	729	800	689	746	794	830	675	769
2	ID:00210152	TAKITIMU DRIVE - Telemetry Site 105 - Inc	1220	1073	991	1066	1062	1170	1278	1114	1116	1287	1269	1238	1267
2	ID:00220152	TAKITIMU DRIVE - Telemetry Site 105 - Dec	1220	1081	990	1075	1072	1179	1270	1095	1113	1264	1229	1234	1265
3	ID:00200428	ORMOND - Telemetry Site 26	237	224	202	215	229	258	256	252	265	320	332	307	281
3	ID:03500321	HAMANATUA BRIDGE - Telemetry Site 108 WIM	483	443	379	412	505	566	595	465	461	588	552	500	538
3	ID:00200627	TANGOIO - Telemetry Site 24	401	375	335	377	326	393	412	371	410	455	444	396	424
3	ID:00500230	TE POHUE - Telemetry Site 23	607	525	505	508	492	584	669	552	602	594	518	491	503
3	ID:00500259	ESKDALE - Telemetry Site 101 - (WIM Site)	698	616	613	612	596	673	684	572	598	683		637	644
3	ID:05000010	Nth of Tutaekuri River (Telemetry Site 58)	1518	1381	1241	1266	1252	1396	1510	1318	1423	1613	1635	1543	1637
3	ID:00300171	TONGAPORUTU Brg - Telemetry Site 78	424	384	353	357	381	428	474	408	447	454	454	472	440
3	ID:00300267	TARIKI - Telemetry Site 6	1070	884	848	931	975	1056	1136	1012	1053	1075	1092	987	1001
3	ID:00300370	WAITOTARA - Telemetry Site 5	623	480	480	599	572	661	725	648	606	637	640	612	617
3	ID:04500101	OHAWA BEACH Rd - Telemetry Site 71	342	237	243	406	563	633	641	574	543	505	455	344	328
3	ID:01N00930	SANSON - Telemetry Site 38	1536	1355	1334	1419		1568	1733	1591	1566	1672	1675	1518	1587
3	ID:01N00988	OHAWA - Telemetry Site 56	1423	1305	1305	1309	1301	1432	1561	1396	1433	1558	1528	1392	1467
3	ID:00200755	NORSEWOOD - Telemetry Site 25	652	513	499	515	527	630		604	657	690	688	580	564
3	ID:00300489	MANAWATU GORGE - Telemetry Site 30		426			487	683	793	723	758	843	837	750	772
3	ID:00400133	HOROPITO - Telemetry Site 37	291	277	270	266	260	264	300	267	304	320	312	266	280

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

## MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13	May- 13
3	ID:00400226	UPOKONGARO - Telemetry Site 28	151	143	128	125	127	148	164	158	170	175	171	159	148
3	ID:01N00827	HIHITAHU - Telemetry Site 29	938	822	825	831	815	962	1062	894	992	1054	996	925	931
3	ID:05400049	FIELDING - Telemetry Site 106	259	239	252	243	236	244	277	236	225	271	284	249	267
3	ID:05700014	SHANNON - Telemetry Site 107	644	623	588	594	602	665	732	661	665	744	707	638	682
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	778	751	705	623	620	646	699	608	611	679	651	606	655
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	576	476	487	537	557	669	680	603	602	678	678	595	572
4	ID:00200937	RIMUTAKA - Telemetry Site 01- Pukuratahi River Brg	328	266	283	286	280	332	361	345	354	390	381	337	307
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47	1863	1675	1702	1746		1843	2116	1912	1758	1943	1872	1792	1843
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	733	682	689	617	559	606	661	565	556	631	622		717
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	560	507	490	509	508	547	592	564	534	607	603	574	577
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	872	876	794	669	641	701	735	624	630	701	679	672	698
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	757	738	723	739	699	767	813	699	699	760	733		797
4	ID:00210965	KELSON - Telemetry Site 99 - SB	723	619	631	653	650	699		609	598	726	706	662	698
4	ID:00220965	KELSON - Telemetry Site 99 - NB	679	583	580	613	608	670		621	594	707	693	650	671
4	ID:00600122	STOKE - Telemetry Site 81 - Whakatu Drive at Songer St	1347	1181	1183	1185	1130	1272	1433	1197	1375		1379	1330	1509
4	ID:00600232	MURCHISON - Telemetry Site 35	260	189	211	231	235	275	314	283	361	357	318	281	273
4	ID:00600100	HIRA - Telemetry Site 36	478	428		415	445	511	523	479	505	548	526	449	461
4	ID:06000040	SH60 Riwaka Telemetry Site 86	219	152	145	154	170	219	288	248	273	281	271	224	251
4	ID:01S00037	Blenheim Telemetry Site 87	616	489	454	500	491	571	602	565	611	624	632	754	598
4	ID:06300096	ST ARNAUD - Telemetry Site 93	33		20	20		38	53	37	43	48	47	37	37
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	1453	1202	1196	1292	1357	1565	1700	1608	1705	1764	1719	1591	1511
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	1537	1240	1211	1205	1363	1629	1478	1400	1309		1090		1419
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	184	140	155	170	167	201	226	203	240	260	239	215	194
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	486	439	411	403	435	511	542	467	535	545	513	507	495
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	930	716	684	732	870	1014	1020	973	1037	1076	1078	979	928
5	ID:00700108	LEWIS PASS - Telemetry Site 32	175		140	140	147	191	198	193	255	226	207	198	175
5	ID:01S00285	WAIKOURA - Telemetry Site 52 - (WIM Site)	1134	933	919	936	1035	1207	1258	1228	1281	1326	1404		
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	1384	1188	1226	1355	1440	1598	1680	1472	1555	1672	1601	1508	1534
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	1241	1061	1082	1154	1229	1359	1424	1327	1287	1410	1401	1273	1301
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	1587	1354	1544	1476	1408	1581	1630	1458	1588	1600	1640	1654	1581
5	ID:00800059	FAIRLIE - Telemetry Site 98	202	162	161	172	205	205	314	349	381	361	330	302	234
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	284	188	207	244	309	388	429	380	377	390	343	308	279
5	ID:00700239	AHAURA - Telemetry Site 40	148	135	143	159	183	223	236	194	209	226	197	166	160
5	ID:00600398	PUNAKAIKI - Telemetry Site 39 - Just Nth of Canoe Creek	72	57	57	80	101	113	131	115	115	123	109	86	72
6	ID:00800336	ALEXANDRA - Telemetry Site 44 - Sth Near Butchers Dam	202	159	164	204	182	200	223	226	266	247	228	217	213
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	850	717	710	737	753	816	927	812	803	960	903	872	876
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	658	545	536	565	580	633	726	627	613	737	724	713	726
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	130	111	109	111	112	126	140	120	117	134	128	126	128
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	197	183	187	190	180	195	212	187	184	209	211	202	204
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	140	121	118	118	120	130	142	128	130	158	144	138	138
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	74	67	69	73	73	72	78	68	69	80	74	73	76
6	ID:01S00765	MILTON - Telemetry Site 27	807	614	610	662	730	844	964	839	820	881	864	854	799
6	ID:06A00001	FRANKTON - Telemetry Site 90	746	663	797	844	765	806	946	949	969	1044	978	888	734
6	ID:08500161	GALLOWAY - Telemetry Site 89	128	99	96	121	104	113	134	126	138	143	138	135	137
6	ID:08800004	RAVENSBOURNE - Telemetry Site 88	500	406	388	409	407	457	613	565	467	624	559	483	498
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	374	365	380	421	386	407	427	347	327	383	400	395	369
6	ID:00601147	WINTON - Telemetry Site 46	428	347	336	411	390	466	540	468	463	510	494	459	452
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	161	127	132	147	137	177	231	242	250	263	238	221	168
6	ID:01S00854	GORE - Telemetry Site 45	507	372	337	426	438	513	590	527	517	560	522	512	487
6	ID:09400141	TE ANAU - Telemetry Site 94	79	61	77	78	72	96	147	154	155	201	180	151	94

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