



Traffic Volumes Monthly Report October 2013

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Quality Assurance Statement

Project Manager: Gerald Wen

Prepared by: Gerald Wen

Reviewed by: Philip Blagdon

Approved for issue by: Philip Blagdon

Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	10/11/2013	Final	Gerald Wen	Philip Blagdon	

Overview

Summary

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

October 2013 State Highway Traffic Insights

All Vehicles

2.3%

Nationally, the MADT of all vehicles was up 2.3% versus the same month last year, higher than last month's 1.3% increase.

Regionally, Region1 (Northland and Auckland) and 6 (Otago and Southland) recorded the largest increase (more than 3%) in October, with a more moderate increase measured in region2 (Waikato and Bay of Plenty) and 3 (Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne).

Region5 (Canterbury and West Coast) recorded the smallest growth in November, the possible reason is heavy rainfall caused a major slip on State Highway 6 at Diana Falls, between Haast and Makarora. Uncertainty with route security along this section of the SH6 is expected to continue for some months.

Heavy Vehicles

2.9%

Nationally, the MADT for heavy vehicles was up 2.9 % versus the same month last year, lower than last month's 5.6% increase.

Region5 (Canterbury and West Coast) recorded the highest growth (+8.8%) of heavy vehicles, followed by region6 (Otago and Southland).

Region3 recorded the first retracement (-1.4%) since July 2013 in all regions.

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 vehicles¹.
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.

¹ 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 November 2012, November 2013 and percentage change compared are reported in the table below.

Note the MADT values include all vehicles.

Site	City Represented	MADT (All Vehicles) October - 12	MADT (All Vehicles) October - 13	% Change
Auckland Harbour Bridge (SH1)	Auckland	159,863	166,536	4%
Greenwood (SH1)	Hamilton	22,882	24,906	9%
Ngauranga Interchange (SH 1 and SH2)	Wellington	86,508	87,659	1%
Waimakariri Bridge	Christchurch	43,601	46,760	7%
Burnside	Dunedin	26,000	27,445	6%

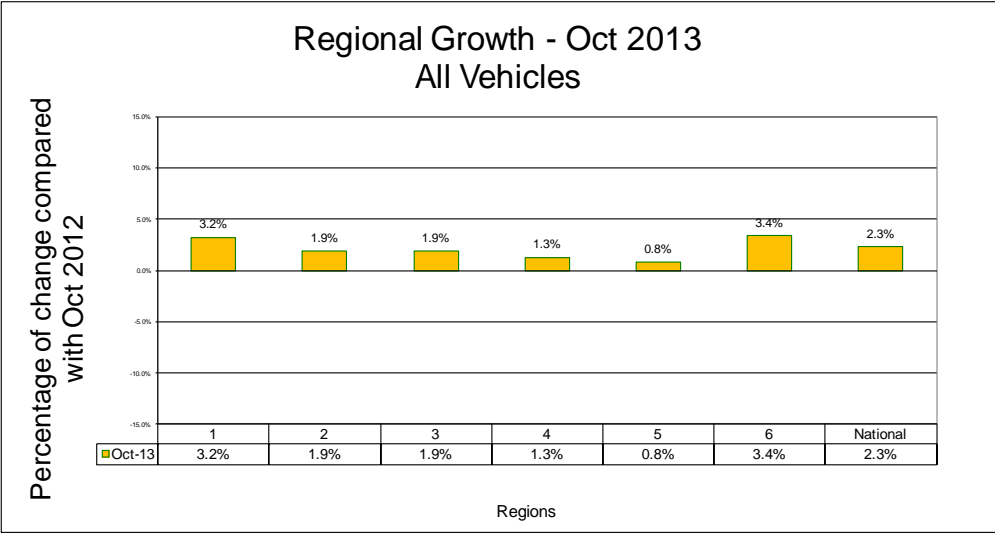
Results: All Vehicles

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

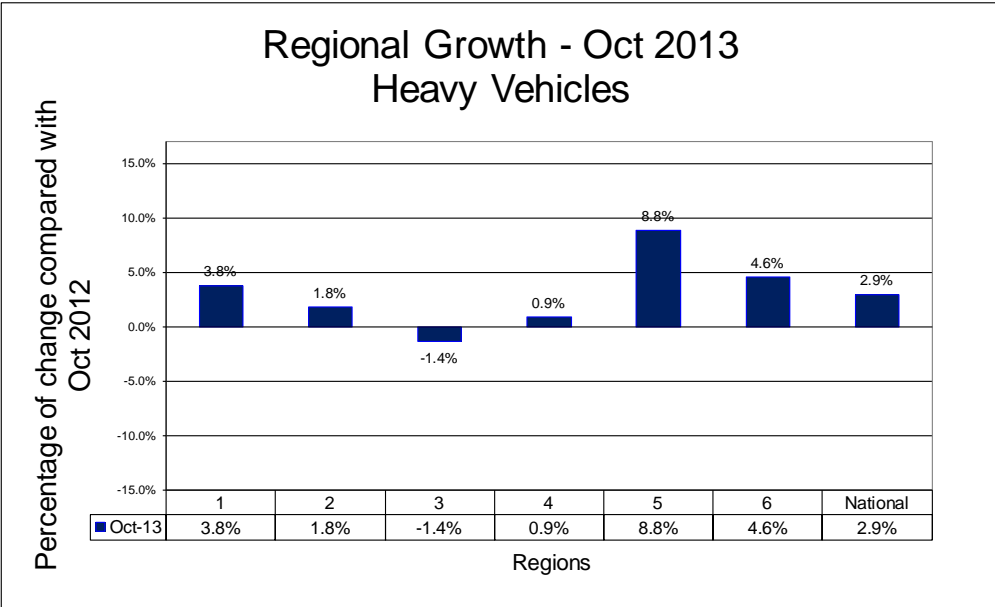
A table of MADT (all vehicles) values for the past thirteen months is attached to this report.

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:

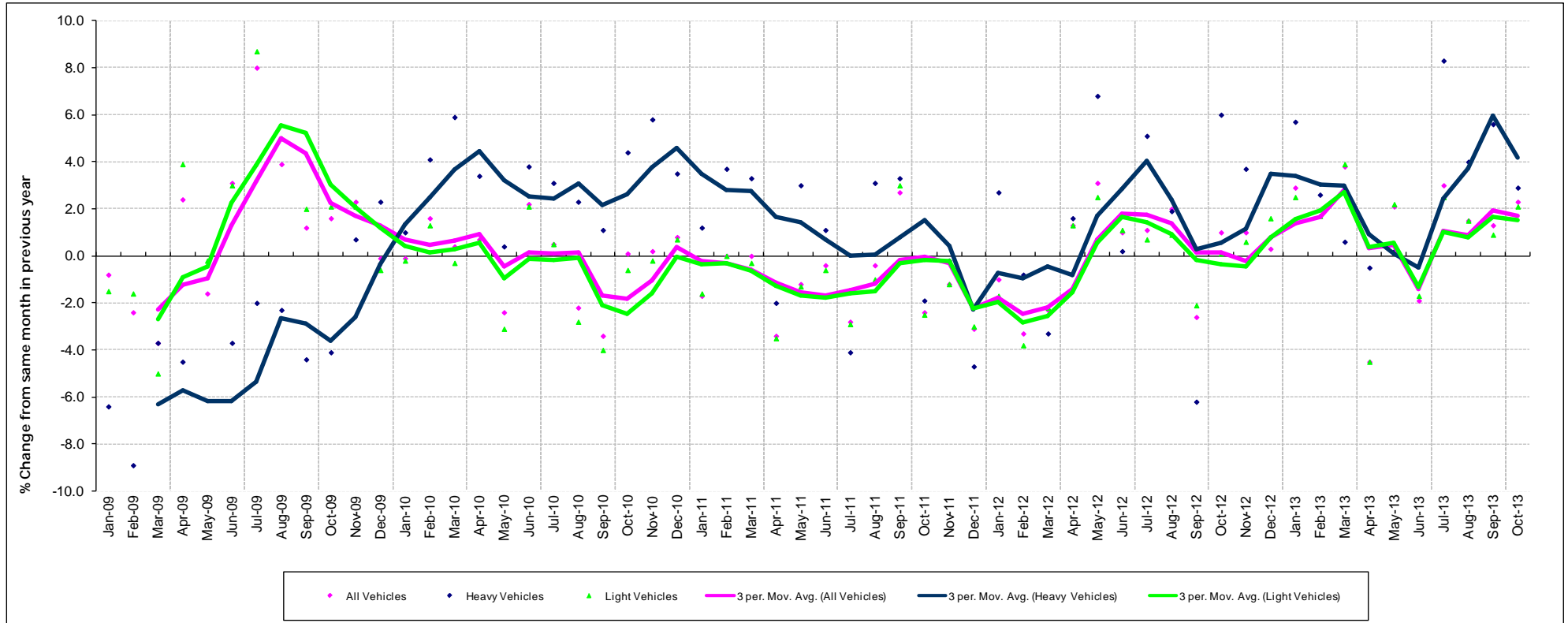
<http://www.nzta.govt.nz/resources/state-highway-traffic-growth/>

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	-1.9	-1.7	-1.2
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	3.0	2.5	8.3
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	1.5	1.5	4.0
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	1.3	0.9	5.6
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	2.3	2.1	2.9
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			

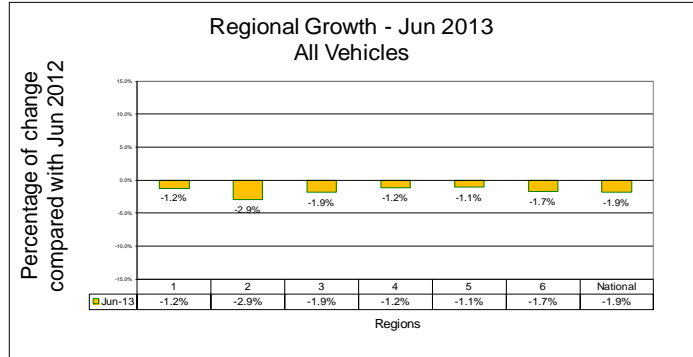
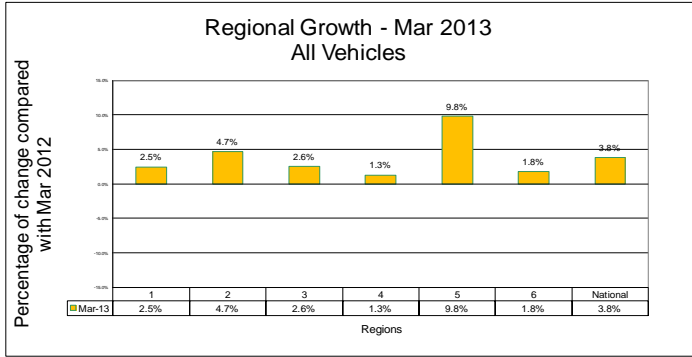
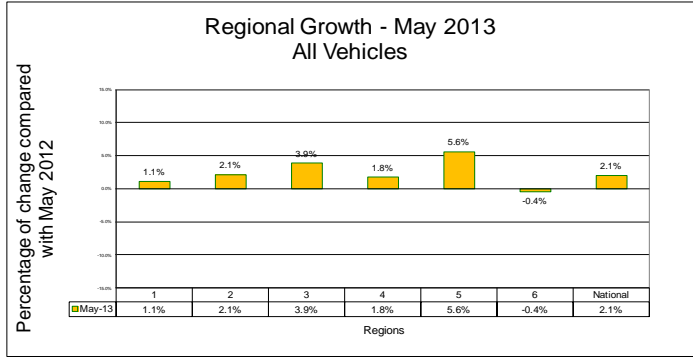
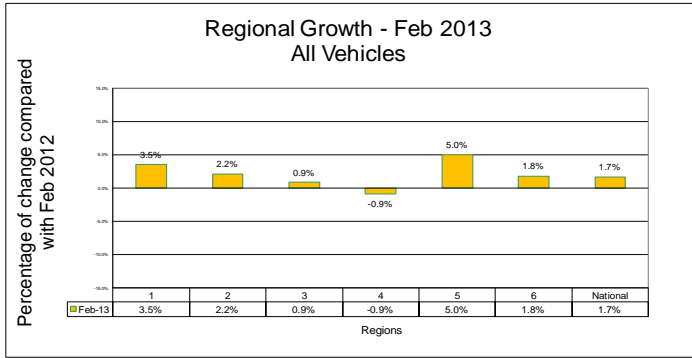
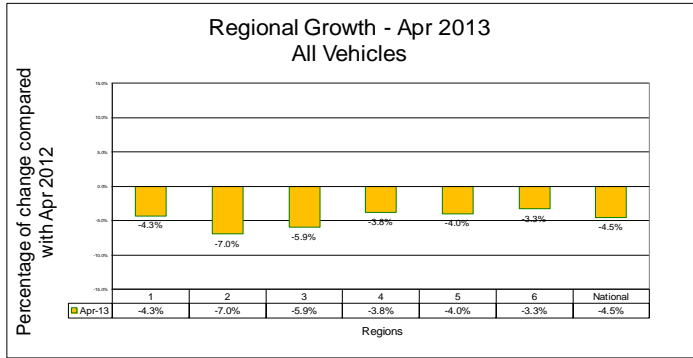
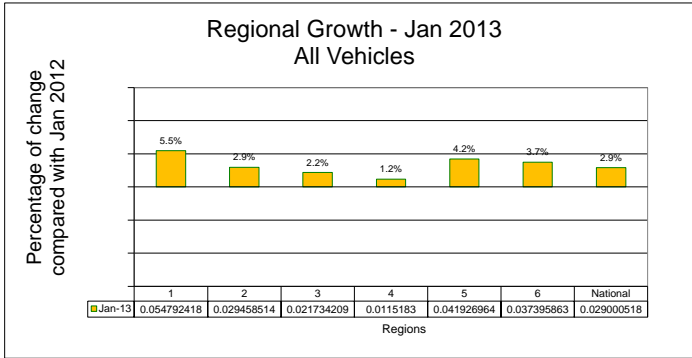
Appendices

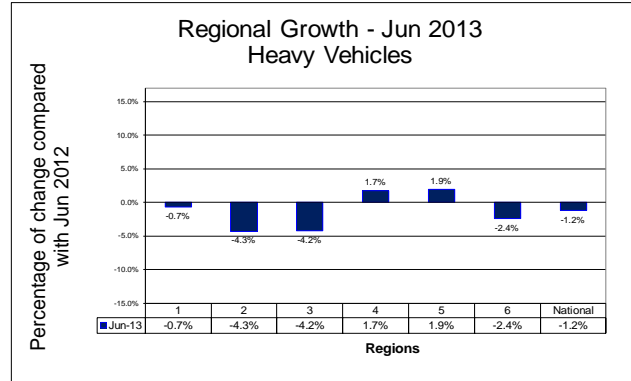
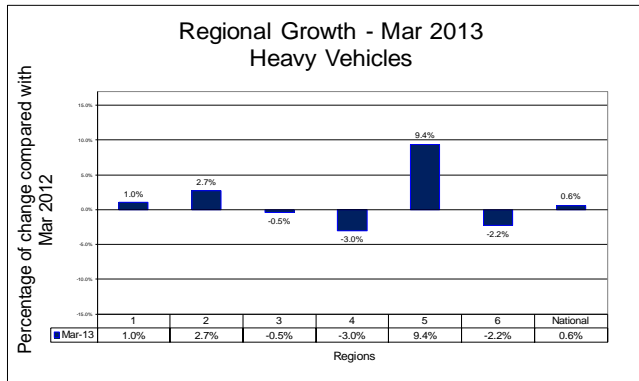
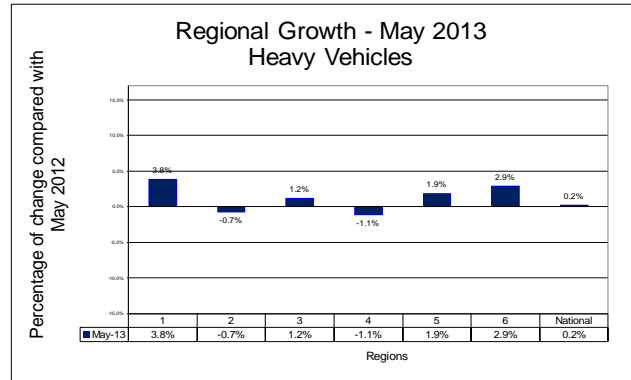
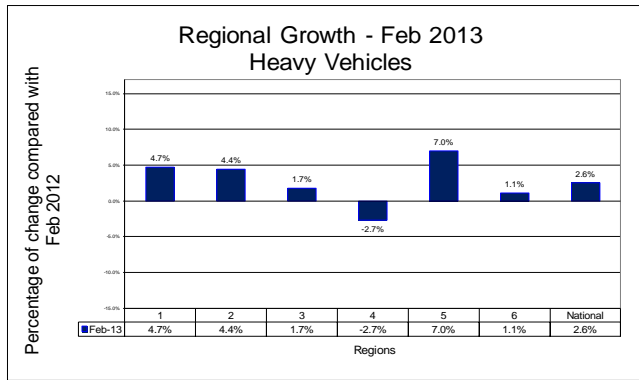
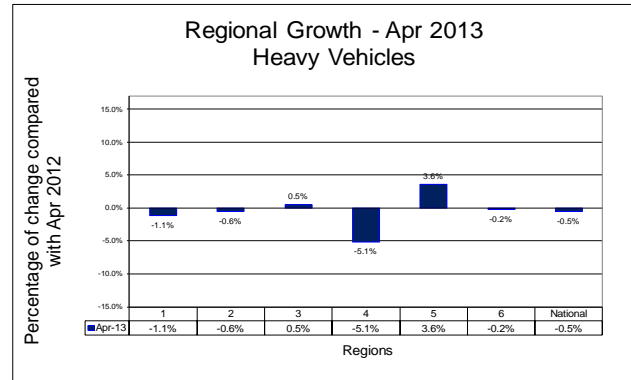
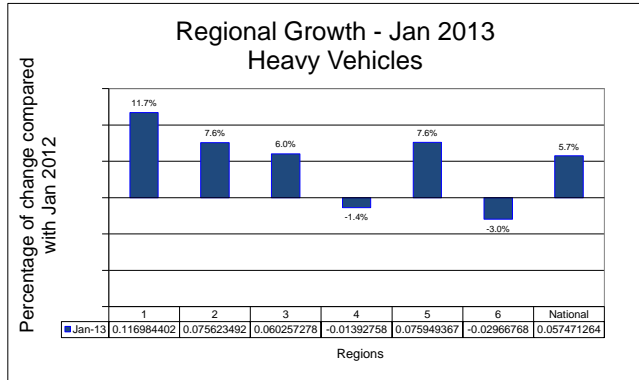
Current Year Growth Graphs

- All Vehicles
- Heavy Vehicles

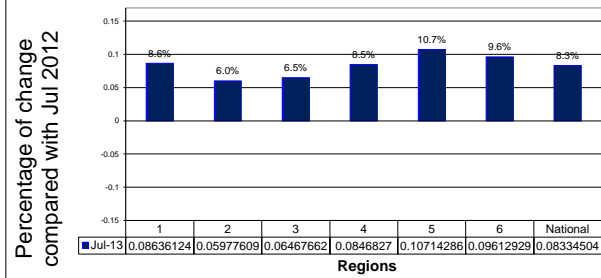
MADTs of the sample sites for the past thirteen months

- All Vehicles
- Heavy Vehicles

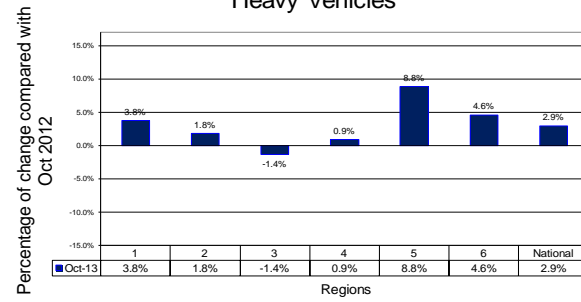




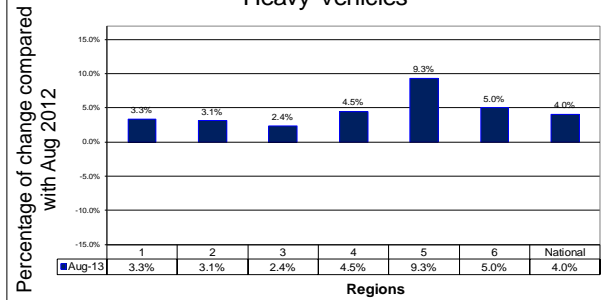
Regional Growth - Jul 2013
Heavy Vehicles



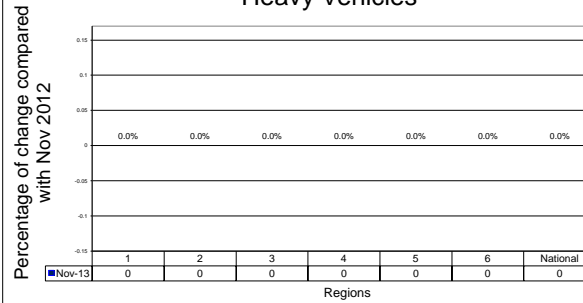
Regional Growth - Oct 2013
Heavy Vehicles



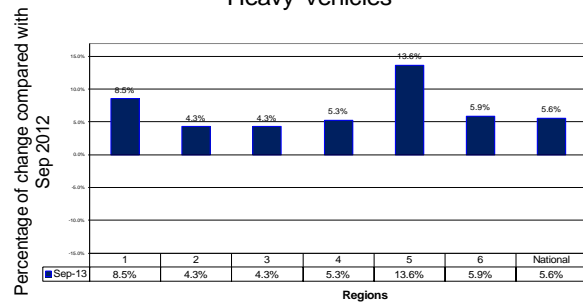
Regional Growth - Aug 2013
Heavy Vehicles



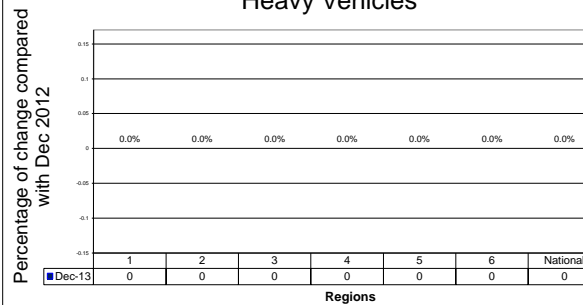
Regional Growth - Nov 2013
Heavy Vehicles



Regional Growth - Sep 2013
Heavy Vehicles



Regional Growth - Dec 2013
Heavy Vehicles



MADT (All Vehicles)

NZTA Region	Site Ref	Description	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	21618	22201	20869	19834	21633	21384	20562	22266	20752	21433	21556	20712	21529
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	10614	11144	11038	10813	11240	11016	10164	10608	9954	9999	10374	9939	10635
4	ID:00200937	RIMUTAKA - Telemetry Site 01 - Pukuratahi River Brg	5531	5748	6204	6448	6208	6356	5463	5233	4943	5050	4997	5010	5460
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47	22791	23595	24314	23351	24258	23941	22041	22775	21713	22464	22225	21231	23355
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	22237	23337	21521	20039	22216	22244	22244	23307	21636	21996	22446	21397	22533
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	13602	14229	13870	13048	14304	14247	13151	13975	13106	13512	13680	13028	13780
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	21375	22248	20305	18969	21836	21369	20493	22340	20683	21157	21451	20663	21864
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	21278	22208	20163	18788	21398	20841	22339	20601	21010	21415	20480	21733	
4	ID:00210965	KELSON - Telemetry Site 99 - SB	17284		16665	15977	17710	17268	16356	17529	16412	16905	16972	16869	17414
4	ID:00220965	KELSON - Telemetry Site 99 - NB	16702		16133	15134	16936	16664	15776	17025	16036	16459	16664	16305	16572
4	ID:00600122	STOKE - Telemetry Site 81	20973	22573	22366	22556		21774	20553	21902	20482	21009	20992	20333	21929
4	ID:00600232	MURCHISON - Telemetry Site 35	1689	1781	2021	2377	2239	2013	1739	1481	1211	1318	1296		
4	ID:00600100	HIRA - Telemetry Site 36	3162	3313	3504	3941	3814	3675	3024	2873	2649	2707	2638	2713	3046
4	ID:06000040	SH60 Riwaka Telemetry Site 86	3149	3666	5300	5661	4984	4274	3280	2920	2613	2524	2388	2554	3241
4	ID:01S00037	Blenheim Telemetry Site 87	3461	3613	3997	4319	4006	3932	3948	3416	3201	3455	3294	3208	3660
4	ID:06300096	ST ARNAUD - Telemetry Site 93	299	352	347	430	449	422	323	257	226		220	217	301
4	ID:06000006	RICHMOND - Telemetry Site 112	9491	10214	11055	11582	10930	10493	9228	9524	8838	8799	8902	8839	9759
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	10512	11037	11481	11333	11358	11470	10592	10087	9275	10238	9800	10134	11296
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	20780	20477	21585	19619	19714	18957	19805	18708	19550	19501	19092	19092	20993
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	1451	1577	1733	1919	1920	1839	1600	1271	1214	1504	1439	1477	1459
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	2489	2486	2814	3364	2915	2772	2533	2088	1888	2011	1740	1934	2397
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	5966	6088	6399	6262	6308	6340	6010	5715	5090	5494	5389	5567	6335
5	ID:00700108	LEWIS PASS - Telemetry Site 32	1207	1115	1320	1630	1362	1282	1182	928	805	893	850	883	1141
5	ID:01S00285	WAIPARA - Telemetry Site 52 - (WIM Site)	7857	7578	8619	8863	8252	7992					6642		
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	22265	22959	22313	22168	23149	22692	21611	22522	20277	22852	22279	21699	23759
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	21336	21901	21872	20904	22088	22179	20520	21858	20035	22247	21519	21059	23001
5	ID:00800059	FAIRLIE - Telemetry Site 98 (New Dec 09)		2297	2822	3161	2764	2689	2410	1813	1697	2022	2084	2104	2205
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	9841	10352	10144	10444	10764	10544	9775	9990	9361	9686	9936	9833	10829
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	2839	3087	3141	3104	3290	3167	2762	2606	2312	2431	2492	2560	2839
5	ID:00700239	AHAURA - Telemetry Site 40	1256	1304	1288	1332	1375	1340	1178	1138	1014	1081	1071		1196
5	ID:00600398	PUNAKAIKI - Telemetry Site 39	893	1061	1114	1212	1297	1142	896	729	608	644	672	693	819
5	ID:00600753	HAAST - Telemetry Site 111	927	1005	1019	1157	1297	1172	841	535	395	457	506	594	810
6	ID:00600895	WANAKA - Telemetry Site 109	3008	3068	3603	4319	3533	3536	3185	2688	2491	2919	2921	2790	3111
6	ID:00800263	TARRAS - Telemetry Site 110	1295	1322	1820	2230	1716	1890	1563	1077	969	1187	1210	1257	1358
6	ID:00800336	ALEXANDRA - Telemetry Site 44	2092	2116	2417	2719	2433	2383	2196	1905	1709	1881	1993	1929	2073
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	15360	16413	15596	14220	16157	15564	15315	15760	15201	15623	15784	15175	16156
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	10640	11334	10755	9912	11229	10974	10830	11019	10589	10894	10882	10484	11289
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	2503	2667	2508	2342	2560	2475	2439	2535	2427	2513	2532	2473	2577
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	3051	3279	3018	2857	3220	3303	2969	3122	2955	3125	3134	3012	3164
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	3150	3387	3132	2934	3365	3210	3059	3259	3152	3228	3261	3117	3257
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	2090	2262	2067	1980	2215	2114	1999	2115	1994	2118	2141	2058	2169
6	ID:01S00765	MILTON - Telemetry Site 27	6067	6377	6488	6370	6668	6653	6350	5937	5350	5670	5587	5416	6132
6	ID:06A00001	FRANKTON - Telemetry Site 90	17194	18349	19471	19694	20129	19449	18083	16397	16678	19084	19943	17545	18237
6	ID:08500161	GALLOWAY - Telemetry Site 89	1875	1985	2186	2313	2126	2004	1906	1869	1659	1749	1870	1798	1884
6	ID:08800004	RAVENSBOURNE - Telemetry Site 88	8488	9101	8816	7989	9296	8961	8473	8494	8146	8314	8499	8703	8703
6	ID:08300063	KUROW - Telemetry Site 113	968	985	1433	1483	1219	1144	932	728	645	703	733	794	987
6	ID:01S00921	JNVERCARGILL - Telemetry Site 62	11003	11848	10841	9829	11598	11582	11244	11411	10806	10867	11218	10194	11425
6	ID:00601147	WINTON - Telemetry Site 46	4605	5090	4882	4524	4999	4903	4629	4786	4360	4478	4640	4352	4756
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	1687	1938	2520	2527	2458	2244	2058	1447	1245	1367	1380	1402	1700
6	ID:01S00854	GORE - Telemetry Site 45	3928	4247	4216	4048	4327	4201	3969	3895	3528	3706	3714	3596	4068
6	ID:09400141	TE ANAU - Telemetry Site 94	885	1184	1486	1550	1679	1558	1216	749	541	644	687	740	907

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

MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	Oct- 12	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13	May- 13	Jun- 13	Jul- 13	Aug- 13	Sep- 13	Oct- 13
1	ID:01N00212	KAWAKAWA - Telemetry Site 18	749	773	710	793	773	753	669	683	592	627	619	644	735
1	ID:01200026	KAIKOHE - Telemetry Site 102	53	55	55	56	66	70	55	51	42	44	44	44	55
1	ID:01400016	MAUNGATAPERE - Telemetry Site 104	311	292	245	285	331	315	283	291	251	294	294	299	315
1	ID:01N10459	DRURY - Telemetry Site 7 - SB (Park Estate)	2520	2763	2562	2578	2722	2717	2484	2743	2343	2493	2472	2432	2662
1	ID:01N20459	DRURY - Telemetry Site 7 - NB (Park Estate)	2410	2641	2399	2523	2606	2607	2455	2573	2274	2405	2351	2309	2598
1	ID:01N00336	WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd	981	1000	972	1059	1043	961	911	938	829	892	870	881	1020
1	ID:01N10474	BOMBAY - Telemetry No Site 72 - SB	2101	2314				2151	2021	2152	1958	2063	2001	1973	2115
1	ID:01N20474	BOMBAY - Telemetry Site 72 - NB	2118	2322				2061	1923	1997	1773	1854	1814	1789	1984
1	ID:01N00388	ALPURT - Telemetry Site 95	1238	1308	1306	1411	1362	1302	1179	1184	1060	1128	1060	1065	1289
1	ID:01600016	SH16 Royal Rd to Hobsonville Rd	2217	2412	1947	1920	2372	2440	2306	2165	1959	2067		2071	2272
1	ID:01810007	SH18 Upper Harbour Bridge WB	749	830	694	882	1263	1225	1726	1746		994	1119	1252	
1	ID:01820007	SH18 Upper Harbour Bridge EB	632	687	577	551	646	634	644				632	637	
1	ID:02000006	SH20 Puhinui Rd to Massey Rd	3524	4124	3450	4004	3961	3818	3629	4673	3658	4044	3847	3930	3922
2	ID:00200002	MAUNGATAWHIRI - Telemetry Site 74	1708	1847	1307	1770	1912	1802	1682	1748	1521	1622	1651	1611	1768
2	ID:25A00024	HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	307	294	348	396	303	298	242	212	198	215	197	222	256
2	ID:02700011	KAIHERE - Telemetry Site 33	924	998	858	855	976	963	911	915	788	806	853	855	938
2	ID:01N00526	TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd	2324	2392	2350	2194	2355	2305	2152	2233	2006	2108	2148	2119	2356
2	ID:01N00620	LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd	1573	1680	1429	1339	1589		1506	1465	1256	1339	1431		1633
2	ID:00300085	TE KUITI - Telemetry Site 16 - Nth of 8 Mile Junction	701	766	672	684	818	756	723	723	600	676	627	662	706
2	ID:03200074	West of Taupo - Telemetry Site 43	80	80	74	76	82	91	67	63	60	57	52	52	64
2	ID:01N00580	KARAPIRO - Telemetry Site 20	1581	1761	1775	1795	1892	1832	1466	1482	1249	1341	1399	1409	1655
2	ID:00200091	WAIHI - Telemetry Site 34 - East of Samson Rd West	812	880	829	878	887	882	786	807	693	740	729	737	836
2	ID:01N00729	HALLETT'S BAY - Telemetry Site 42	798	881	773	833	897	827	764	772	693	700	732	731	788
2	ID:01N00628	TOKOROA - Telemetry Site 51 - (WIM Site)	1670	1742	1488	1414	1612	1625	1426	1450	1298	1363	1462	1510	1676
2	ID:01N90552	GREENWOOD - Telemetry Site 97	1749	1896	1671	1656	1832	1775	1709	1858	1705	1805	1801	1745	1932
2	ID:00200141	TE PUNA - Telemetry Site 65 - West of Snodgrass	1210	1276	1120	1203		1208	1167	1291	1093	1113	1103	1102	1232
2	ID:03010149	TE NGA - Telemetry Site 64	1064	1165	1033	1069	1223	1092	941	1024	927	934	969	923	1011
2	ID:03020149	East end of Puarenga Brg (Dec) - Telemetry Site 64	1128	1233	1064	1133	1312	1167	1034	1097	981	958	998	957	1086
2	ID:00200204	OHINEPANEA - Telemetry Site 13 - West of Rogers Rd	826	854	737	761	770	716	681	742	654	715	783	772	841
2	ID:03000188	LAKE ROTOMA - Telemetry Site 22	362	366	344	379	372	358	347	344	291	302	332	329	326
2	ID:03300030	Sth of Maungarangi Rd Paengaroa - Telemetry Site 14	592	649	565	630	707	708	584	634	555	577	583	581	631
2	ID:00500034	TARUKENGA - Telemetry Site 15	630	683	619	641	704	676	639	605	529	545	562	562	625
2	ID:02900034	KAIMAI - Telemetry Site 12	1391	1487	1355	1337	1533	1505	1387	1427	1153	1210	1231	1277	1486
2	ID:00500057	WAIPA - Telemetry Site 41- Sth of SH30	936	960	686	853	965	947	865	898	792	833	855	862	913
2	ID:00200176	TE PUKE - Telemetry Site 49 - (WIM Site)	1936	2129	1695	1764		1936	1845	2156	1908	1916	1927	1896	2065
2	ID:00200242	AWAKERI - Telemetry Site 92	729	800	689	746	794	830	675	769	605	611	625	657	784
2	ID:00210152	TAKITIMU DRIVE - Telemetry Site 105 - Inc	1170	1278	1114	1116	1287	1269	1238	1267	1074	1147	1133	1099	1277
2	ID:00220152	TAKITIMU DRIVE - Telemetry Site 105 - Dec	1179	1270	1095	1113	1264	1229	1234	1265	1089	1165	1150	1118	1285
3	ID:00200428	ORMOND - Telemetry Site 26	258	256	252	265	320	332	307	281	270		217	204	266
3	ID:03500321	HAMANATUA BRIDGE - Telemetry Site 108 WIM	566	595	465	461	588	552	500	538	446	492	461	429	531
3	ID:00200627	TANGOIO - Telemetry Site 24	393	412	371	410	455	444	396	424	346	356	337	317	367
3	ID:00500230	TE POHUE - Telemetry Site 23	584	669	552	602	594	518	491	503	396	452	441	488	491
3	ID:00500259	ESKDALE - Telemetry Site 101 - (WIM Site)	673	684	572	598	683		637	644	546	566	578	620	659
3	ID:05000010	Nth of Tutaekuri River (Telemetry Site 58)	1396	1510	1318	1423	1613	1635	1543	1637	1379	1367	1267	1282	1403
3	ID:00300171	TONGAPORUTU Brg - Telemetry Site 78	428	474	408	447	454	454	472	440	366	384	387	422	424
3	ID:00300267	TARIKI - Telemetry Site 6	1056	1136	1012	1053	1075	1092	987	1001	816	901	949	1036	1101
3	ID:00300370	WAITOTARA - Telemetry Site 5	661	725	648	606	637	640	612	617			677	685	643
3	ID:04500101	OHAWA BEACH Rd - Telemetry Site 71	633	641	574	543	505	455	344	328	252	279	428	594	688
3	ID:01N00930	SANSON - Telemetry Site 38	1568	1733	1591	1566	1672	1675	1518	1587	1298	1332	1469	1464	1630
3	ID:01N00988	OHAU - Telemetry Site 56	1432	1561	1396	1433	1558	1528	1392	1467	1299	1355	1377	1360	1474
3	ID:00200755	NORSEWOOD - Telemetry Site 25	630		604	657	690	688	580	564	475	501	493	527	575
3	ID:00300489	MANAWATU GORGE - Telemetry Site 30	683	793	723	758	843	837	750	772	673	700	701	679	735
3	ID:00400133	HOROPITO - Telemetry Site 37	264	300	267	304	320	312	266	280		318	254	250	260
3	ID:00400226	UPOKONGARO - Telemetry Site 28	148	164	158	170	175	171	159	148	132	148	145	137	146
3	ID:01N00827	HIHITAHU - Telemetry Site 29	962	1062	894	992	1054	996	925	931	830	880	854	866	942
3	ID:05400049	FIELDING - Telemetry Site 106	244	277	236	225	271	284	249	267	219	219	223	217	231
3	ID:05700014	SHANNON - Telemetry Site 107	665	732	661	665	744	707	638	682	641	648	662	663	727

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

MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	Oct- 12	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13	May- 13	Jun- 13	Jul- 13	Aug- 13	Sep- 13	Oct- 13	
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	646	699	608	611	679	651	606	655	596	649	661	628	680	
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	669	680	603	602	678	678	595	572	484	541	556	585	646	
4	ID:00200937	RIMUTAKA - Telemetry Site 01- Pukuratahi River Brg	332	361	345	354	390	381	337	307	263	281	289	294	323	
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47	1843	2116	1912	1758	1943	1872	1792	1843	1724	1850	1861	1800	2001	
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	606	661	565	556	631	622		717	601	648	658	626	681	
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	547	592	564	534	607	603	574	577	452	489	515	466	499	
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	701	735	624	630	701	679	672	698	653	689	701	698	712	
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	767	813	699	699	760	733		797	878	929	933	916	958	
4	ID:00210965	KELSON - Telemetry Site 99 - SB	699		609	598	726	706	662	698	660	683	676	677	543	
4	ID:00220965	KELSON - Telemetry Site 99 - NB	670		621	594	707	693	650	671	621	653	640	642	515	
4	ID:00600122	STOKE - Telemetry Site 81 - Whakatu Drive at Songer St	1272	1433	1197	1375		1379	1330	1509	1260	1320	1203	1209	1326	
4	ID:00600232	MURCHISON - Telemetry Site 35	275	314	283	361	357	318	281	273	214	222	234			
4	ID:00600100	HIRA - Telemetry Site 36	511	523	479	505	548	526	449	461	386	422	420	431	448	
4	ID:06000040	SH60 Riwaka Telemetry Site 86	219	288	248	273	281	271	224	251	208	158	161	179	221	
4	ID:01S00037	Blenheim Telemetry Site 87	571	602	565	611	624	632	754	598	484	512	541	538	659	
4	ID:06300096	ST ARNAUD - Telemetry Site 93	38	53	37	43	48	47	37	37	28		29	27	35	
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	1565	1700	1608	1705	1764	1719		1591	1511	1225	1342	1357	1543	1753
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	1629	1478	1400	1309		1090			1419	1285	1422	1494	1642	1864
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	201	226	203	240	260	239	215	194	141	165	206	221	217	
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	511	542	467	535	545	513	507	495	401	421	411	461	521	
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	1014	1020	973	1037	1076	1078	979	928	714	765	864	997	1112	
5	ID:00700108	LEWIS PASS - Telemetry Site 32	191	198	193	255	226	207	198	175	147	155	160	155	188	
5	ID:01S00285	WAIPARA - Telemetry Site 52 -(WIM Site)	1207	1258	1228	1281	1326	1404					967			
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	1598	1680	1472	1555	1672	1601	1508	1534	1274	1517	1502	1539	1764	
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	1359	1424	1327	1287	1410	1401	1273	1301	1102	1312	1284	1321	1515	
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	1581	1630	1458	1588	1600	1640	1654	1581	1381	1580	1614	1656	1775	
5	ID:00800059	FAIRLIE - Telemetry Site 98		314	349	381	361	330	302	234	165	179	188	236	253	
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	388	429	380	377	390	343	308	279	186	222	246	351	403	
5	ID:00700239	AHAURA - Telemetry Site 40	223	236	194	209	226	197	166	160	127	139	150		222	
5	ID:00600398	PUNAKAIKI - Telemetry Site 39 - Just Nth of Canoe Creek	113	131	115	115	123	109	86	72	61	56	64	86	97	
6	ID:00800336	ALEXANDRA - Telemetry Site 44 - Sth Near Butchers Dam	200	223	226	266	247	228	217	213	163	184	203	187	203	
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	816	927	812	803	960	903	872	876	741	796	803	807	891	
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	633	726	627	613	737	724	713	726	595	645	645	655	730	
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	126	140	120	117	134	128	126	128	109	119	120	122	129	
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	195	212	187	184	209	211	202	204	175	198	201	195	213	
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	130	142	128	130	158	144	138	138	112	135	134	122	139	
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	72	78	68	69	80	74	73	76	64	71	78	71	76	
6	ID:01S00765	MILTON - Telemetry Site 27	844	964	839	820	881	864	854	799	627	645	656	707	808	
6	ID:06A00001	FRANKTON - Telemetry Site 90	806	946	949	969	1044	978	888	734	668	810	871	784	845	
6	ID:08500161	GALLOWAY - Telemetry Site 89	113	134	126	138	143	138	135	137	100	107	134	117	117	
6	ID:08800004	RAVENSBOURNE - Telemetry Site 88	457	613	565	467	624	559	483	498	419	427	416	462	482	
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	407	427	347	327	383	400	395	369	344	351	368	347	395	
6	ID:00601147	WINTON - Telemetry Site 46	466	540	468	463	510	494	459	452	333	386	422	425	486	
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	177	231	242	250	263	238	221	168	119	137	164	146	184	
6	ID:01S00854	GORE - Telemetry Site 45	513	590	527	517	560	522	512	487	361	372	444	461	545	
6	ID:09400141	TE ANAU - Telemetry Site 94	96	147	154	155	201	180	151	94	59	61	73	73	99	

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