



Traffic Volumes Monthly Report March 2014

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Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	10/04/2014	Final	Gerald Wen	Philip Blagdon	

Overview

Summary

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

March 2014 State Highway Traffic Highlight

0.9% Nationally, the MADT of all vehicles was up 0.9%, when compared to the same month last year, lower than last month's 3.6% increase

All regions had a minor increase between 0.5% to 2.0%, except region 2 (Waikato and Bay of Plenty) had a slight decrease of 0.5%.

4.9% Nationally, the MADT for heavy vehicles was up 4.9%, when compared to the same month last year, slightly higher than last month's 4.7% increase.

All regions had an increase with a range of +4.1% to +7.4%.

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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 March 2013, March 2014 and percentage change compared are reported in the table below.

Note the MADT values include all vehicles.

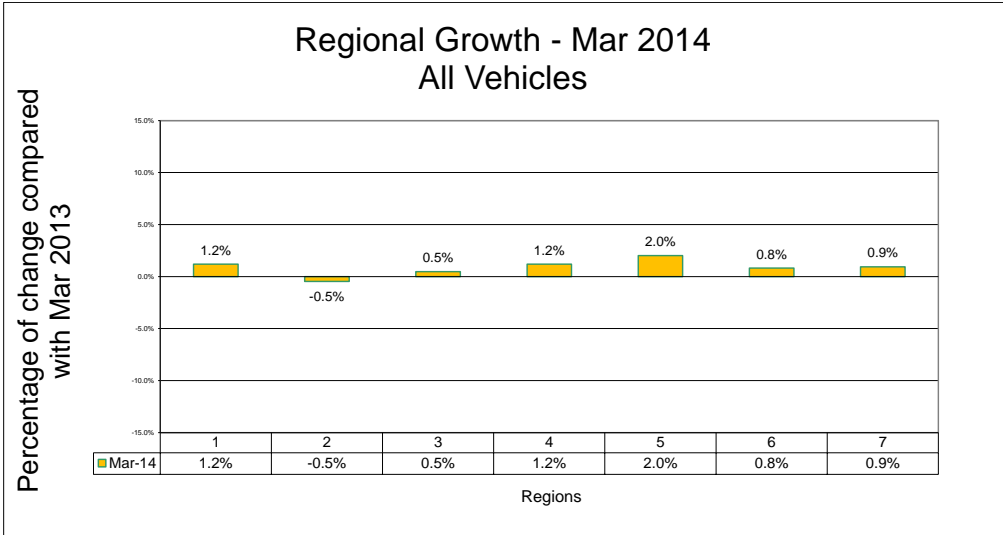
Site	City Represented	MADT (All Vehicles) March-13	MADT (All Vehicles) March-14	% Change
Auckland Harbour Bridge (SH1)	Auckland	159179	155990	-2%
Greenwood (SH1)	Hamilton	23785	25458	7%
Ngauranga Interchange (SH 1 and SH2 combined)	Wellington	85838	90285	5%
Waimakariri Bridge	Christchurch	44871	46362	3%
Milton	Dunedin	6930	6581	-5%

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



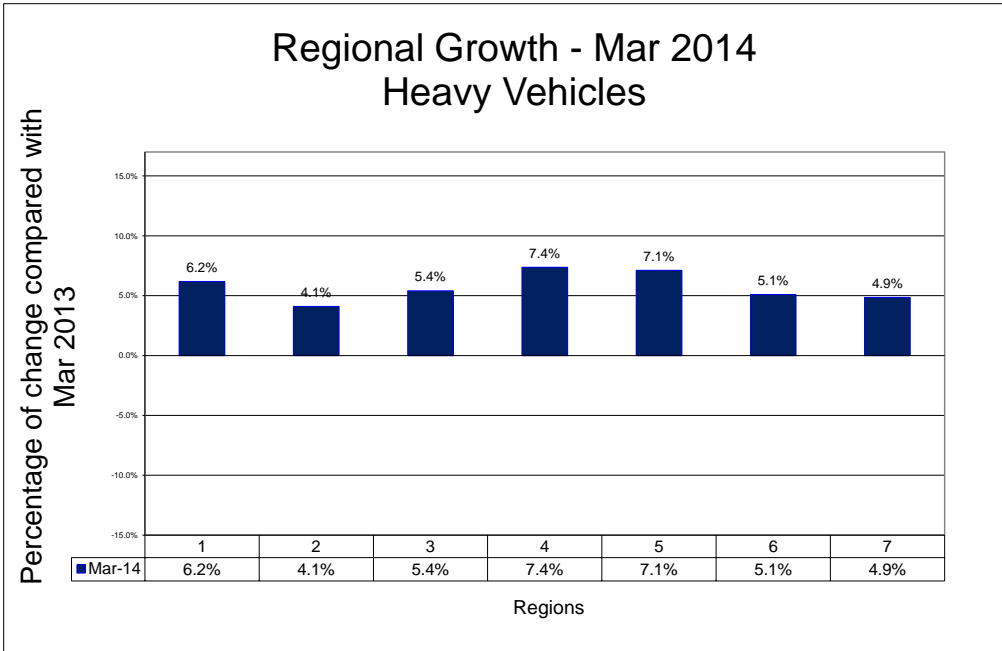
More graphs The graphs (as above) dated back to January 2008 are available from the NZTA website: <http://www.nzta.govt.nz/resources/state-highway-traffic-growth/>

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.



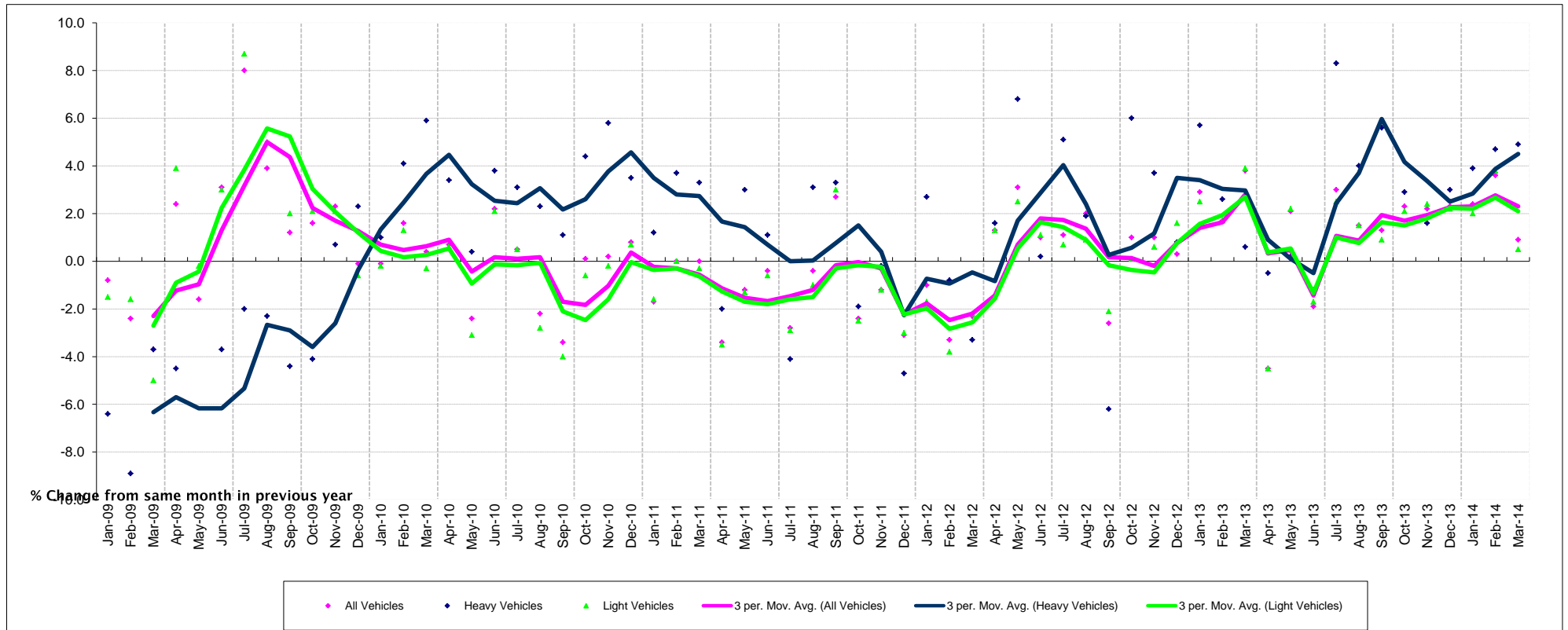
NZTA Region Number	NZTA Region
1	Northland and Auckland
2	Waikato and Bay of Plenty
3	Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne
4	Wellington, Nelson, Marlborough and Tasman
5	Canterbury and West Coast
6	Otago and Southland

More graphs The graphs (as above) dated back to January 2008 are available from the NZTA website:
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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 6 years national MADT change from the same month in the previous year, summarising the figures published in previous monthly reports.



Year	2009			2010			2011			2012			2013			2014		
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	-0.8	-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	2.4	2.0	3.9
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	3.6	3.8	4.7
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	0.9	0.5	4.9
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	2.2	2.4	1.6			
December	-0.1	-0.6	2.3	0.8	0.7	3.5	-3.1	-3	-4.7	0.3	1.6	0.8	2.3	2.2	3			

Appendices

Current Year Growth Graphs

- All Vehicles
- Heavy Vehicles

MADTs of the sample sites for the past thirteen months

- All Vehicles
- Heavy Vehicles

MADT (All Vehicles)

NZTA Region	Site Ref	Description	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Feb-14
1	ID:01N00212	KAWAKAWA - Telemetry Site 18	6224	5696	5344	5037	5269	5013	5093	5813	6010	6774	7221	6466	6178
1	ID:01200026	KAIKOHE - Telemetry Site 102	1329	1178	1177	1128	1116	1103	1095	1259	1306	1373	1474	1368	1343
1	ID:01400016	MAUNGATAPERE - Telemetry Site 104	2601	2392	2549	2411	2439	2438	2403	2556	2632	2470	2404	2593	2632
1	ID:01N10459	DRURY - Telemetry Site 7 - SB (Park Estate)	30889	27816	29400	27764	29214	28749	28206	30501	31376	32449	31331	32336	31292
1	ID:01N20459	DRURY - Telemetry Site 7 - NB (Park Estate)	30003	28661	28229	27541	29018	28071	27871	30889	30920	31094	32120	31437	30320
1	ID:01N00336	WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd	9019	8555	7908	7636	8002	7459	7471	8608	8902	10285	11720	9928	9115
1	ID:01N10440	PANAMA Rd - Telemetry Site 79 - SB	60172		60974	59501	62206	62234	60140	65662				62784	
1	ID:01N20440	PANAMA RD - Telemetry Site 79 - NB	54517		52182	52877	56862	56596	55138	59340				57432	
1	ID:01N10474	BOMBAY - Telemetry No Site 72 - SB	19096	17320	16833	16568	17340	16485	16560	18459	18604	21139	20608	19838	18998
1	ID:01N20474	BOMBAY - Telemetry Site 72 - NB	18554	17669	16636	16571	17150	16134	16297	18325	18096	19628	21289	19591	18956
1	ID:01N00388	ALPURT - Telemetry Site 95 (new late Dec 08)	15965	14652	13830	13541	14063	13355	13179	14961	15844	18000	19454	17433	16216
1	ID:01N00424	Auckland Harbour Brg - Centre Span - Telemetry Site 55	72910	72412	74762	70617	73827	73587	73878	77395	79171	67669	69220	72852	67993
1	ID:01N10424	Auckland Harbour Brg - Left Clip-on - Telemetry Site 55	41820	41259	42402	40178	41964	42168	42255	44197	44428	37388	38937	43482	43549
1	ID:01N20424	Auckland Harbour Brg - Right Clip-on - Telemetry Site 55	44449	42861	44024	41184	42972	43396	43380	44944	39224	40096	45071	44448	
1	ID:01600016	SH16 Royal Rd to Hobsonville Rd - local site	47626	46850	48095	45764	47542		46714	48622	50980	47660	45418	49579	50034
1	ID:01810007	SH18 Upper Harbour Bridge WB - local site	18916	18723	19640	18634	19266	19439	19064	19773				20396	20888
1	ID:01820007	SH18 Upper Harbour Bridge EB - local site	17703	17591	18324			18210	17887	18532	19564	18149	16857	19368	19542
1	ID:02000006	SH20 Puhinui Rd to Massey Rd - local site	61675	60244	61706	59854	61459	62198	61725	63404	64788	60938	58325	65205	
2	ID:00200002	MAUNGATAWHIRI - Telemetry Site 74	14189	12953	11896	11523	12555	11669	11947	13713	13722	15057	17902	15126	14160
2	ID:25A00024	HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	3819	3120	2436	2434	2521	2267	2418	3015	3161	4329	5461	3866	3532
2	ID:02700011	KAIHERE - Telemetry Site 33	4429	4290	4024	3827	4097	3834	3948	4410	4444	4832	4824	4696	4495
2	ID:01N00526	TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd	21755	20346	20093	20034	20748	19933	19434	21282	21482	22426	21899	22490	22274
2	ID:01N00620	LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd		9210	8619	8150	8762	8406	9434	9399	9434	10311	9957	10086	9519
2	ID:00300085	TE KUITI - Telemetry Site 16 - Nth of 8 Mile Junction	4305	3976	3757	3736	4292	3899	3821	3996	3993	4446	4329	4303	4239
2	ID:03200074	West of Taupo - Telemetry Site 43	630	550	463	468	548	472	465	521	516	631	724	646	569
2	ID:01N00580	KARAPIRO - Telemetry Site 20	15557	14110	13705	13884	13739	13236	13507	14616	14870	15834	16098	16066	15307
2	ID:00200091	WAIHI - Telemetry Site 34 - East of Samson Rd West	8376	7209	6760	6622	6889	6535	6585	7549	7609	8584	10040	8399	7970
2	ID:01N00729	HALLETT'S BAY - Telemetry Site 42	5287	4988	4399	4154	5116	4566	4594	5070	5095	6097	6744	6167	5261
2	ID:01N00628	TOKOROA - Telemetry Site 51 - (WIM Site)	8928	8259	7917	7595	8190	7815	7997	8850	8838	9576	9474	9499	8889
2	ID:01N90552	GREENWOOD - Telemetry Site 97 (New Oct 09)	23785	22834	24556	23506	24226	24065	23081	24906	25246	24242	23540	25617	25458
2	ID:00200141	TE PUNA - Telemetry Site 65 - West of Snodgrass	17056	15544	16438	15478	15678	15577	15357	16717	17660	18383	18160	17801	17312
2	ID:03010149	TE NGA - Telemetry Site 64 (Inc)	17800	16532	17249	16471	16693	16896	15955	17421	18096	17893	17513	17987	17465
2	ID:03020149	East end of Puarenga Brg (Dec) - Telemetry Site 64	17689	16597	17218	16467	16604	16813	15868	17415	18125	17719	17773	18131	17669
2	ID:00200204	OHINEPANEA - Telemetry Site 13 - West of Rogers Rd	4887	4480	4599	4364	4579	4505	4333	4911	5060	5410	5576	5029	5096
2	ID:03000188	LAKE ROTOMA - Telemetry Site 22	3009	2679	2676	2556	2622	2550	2530	2744	2863		2998	2968	
2	ID:03300030	Sth of Maungarangi Rd Paengaroa - Telemetry Site 14	4186	3673	3761	3511	3630	3477	3453	3884	4069	4334	4688	4191	3967
2	ID:00500034	TARUKENGA - Telemetry Site 15	5582	5263	4900	4854	4979	4631	4624	5214	5205	5756	6196	5768	5540
2	ID:02900034	KAIMAI - Telemetry Site 12	9770	9072	8810	8649	8690	8332	8538	9422	9789	10442	10462	10307	10014
2	ID:00500057	WAIPA - Telemetry Site 41 - Sth of SH30	7630	7082	6842	6569	7058	6653	6603	7293	7367	7835	8361	8047	7483
2	ID:00200176	TE PUKE - Telemetry Site 49 - (WIM Site)	18372	16901	18815	17674	17883	17629	16834	18217	19077	19221	18934	18790	18133
2	ID:00200242	AWAKERI - Telemetry Site 92	9076	8177	8934	8350	8542	8562	8335	8985	9196	9091	9043	9043	9155
2	ID:00210152	TAKITIMU DRIVE - Telemetry Site 105 - Inc	15881	15333	15870	15036	15474	15551	14939	16118	17048	16855	16232	17040	16677
2	ID:00220152	TAKITIMU DRIVE - Telemetry Site 105 - Dec	16751	16320	16800	15924	16436	16573	15879	17156	17933	17425	17230	17947	17561
3	ID:00200428	ORMOND - Telemetry Site 26	2493	2224	2310	2135		2164	2071	2370	2469	2668	2595	2635	2532
3	ID:03500321	HAMANATUA BRIDGE - Telemetry Site 108 WIM	4576	4226	4277	3947	3928	3871	3801	4432	4755	5542	5633	4685	4437
3	ID:00200627	TANGOIO - Telemetry Site 24	2171	1962	1976	1780	1805	1714	1753	2032	2009	2263	2492	2172	2073
3	ID:00500230	TE POHUE - Telemetry Site 23	2959	2739	2370	2272	2579	2175	2367	2691	2706	3129	3415	3228	2940
3	ID:00500259	ESKDALE - Telemetry Site 101 - (WIM Site)		3572	3247	3072	3217	3020	3191	3615	3689	4315	4379	4216	3898
3	ID:05000010	Nth of Tutakuri River (Telemetry Site 58)	22808	21380	22938	21453	21607	21621	20994	22774	23254	24540	23041	23324	23276
3	ID:00300171	TONGAPORUTU Brg - Telemetry Site 78	2361	2187	1876	1942	1904	1743	1849	2067	2131	2337	2456	2352	2311
3	ID:00300267	TARIKI - Telemetry Site 6	9242	8485	8946	8582	8754	8615	8355	8948	9674	9262	8802	9323	9417
3	ID:00300370	WAITOTARA - Telemetry Site 5	3897	3357	3444		0	3489	3601	3744	3988	3927	3773	3838	3912
3	ID:04500101	OHAWE BEACH Rd - Telemetry Site 71	3825	3405	3624	3378	3453	3671	3706	4041	4304	4094	3950	4176	3974
3	ID:01N00930	SANSON - Telemetry Site 38	12712	11589	11611	10728	11454	11233	11025	12375	12452	13257	12950	13251	12781
3	ID:01N00988	OHAU - Telemetry Site 56	15396	13959	13979	13183	13790	13539	13254	14576	14927	16000	15686	15956	15107
3	ID:00200755	NORSEWOOD - Telemetry Site 25	4308	3732	3545	3248	3432	3228	3273	3771	3823	4240	4585	4354	4180
3	ID:00300489	MANAWATU GORGE - Telemetry Site 30	6828	6038	6212	5796	6059	5961	5774	6410	6643	7160	7149	7106	7095
3	ID:00400133	HOROPITO - Telemetry Site 37	1845	1571	1431		2412	2097	1970	1839	1683	1956	1993	1957	1750
3	ID:00400226	UPOKONGARO - Telemetry Site 28	1986	1856	1797	1669	1774	1752	1738	2004	2123	2093	2139	2031	
3	ID:01N00827	HIHITAI - Telemetry Site 29	4584	4347	3789	3562	4192	3816	3922	4474	4371	4839	5835	5259	4546
3	ID:05400049	FIELDING - Telemetry Site 106	6673	6225	6814	6395	6502	6532	6201	6515	6879	6647	5757	6568	6932
3	ID:05700014	SHANNON - Telemetry Site 107	7752	7209	7592	7172	7207	7239	7032	7544	7800	7869	7332	7876	7820

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

MADT (All Vehicles)

NZTA Region	Site Ref	Description	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Feb-14
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	21384	20562	22266	20752	21433	21556	20712	21529	22265	21797	20662	23120	23089
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	11016	10164	10608	9954	9999	10374	9939	10635	11343	11242	10582	11416	11049
4	ID:00200937	RIMUTAKA - Telemetry Site 01 - Pukuratahi River Brg	6356	5463	5233	4943	5050	4997	5010	5460	5718	6271	6286	6037	6167
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47	23941	22041	22775	21713	22464	22225	21231	23355	23875	24703	23651	24676	23925
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	22244		23307	21636	21996	22446	21397	22533	23097	21577	19970	22740	22891
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	14247	13151	13975	13106	13512	13680	13028	13780	13861	12881	13959	14362	
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	21369	20493	22340	20683	21157	21451	20663	21864	22106	20798	19310	22240	22323
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	20841		22339	20601	21010	21415	20480	21733	22063	20400	18862	21824	21982
4	ID:00210965	KELSON - Telemetry Site 99 - SB	17268	16356	17529	16412	16905	16972	16869	17414	17861	15755	16071	17578	17562
4	ID:00220965	KELSON - Telemetry Site 99 - NB	16664	15776	17025	16036	16459	16500	16305	16572	17120	15382	15102	16870	16820
4	ID:00600122	STOKE - Telemetry Site 81	21774	20553	21902	20482	21009	20992	20333	21929	23269	23132	22883	22935	22769
4	ID:00600232	MURCHISON - Telemetry Site 35	2013	1739	1481	1211	1318	1296			1813	2036	2491	2374	1989
4	ID:00600100	HIRA - Telemetry Site 36	3675	3024	2873	2649	2707	2638	2713	3046	3314	3586	3918	3847	3526
4	ID:06000040	SH60 Riwaka Telemetry Site 86	4274	3280	2920	2613	2524	2388	2554	3241	3765	4511	5835	5314	4219
4	ID:01S00037	Blenheim Telemetry Site 87	3932	3948	3416	3201	3455	3294	3208	3660	3847				4075
4	ID:06300096	ST ARNAUD - Telemetry Site 93	422	323	257	226		220	217	301	357	348	444	485	427
4	ID:06000006	RICHMOND - Telemetry Site 112	10493	9228	9524	8838	8799	8902	8839	9759	10485	11424	11832	11535	10862
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	11470	10592	10087	9275	10238	9800	10134	11296	11774	12267	11911	12217	11699
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	19714	18957	19805	18708	19550	19501	19092	20993	21583	21815	20596	21142	20864
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	1839	1600	1271	1214	1504	1455	1477	1459	1667	1778	1935	1918	1867
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	2772	2533	2088	1888	2011	1740	1934	2397	2573	2910	3362	3137	2553
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	6340	6010	5715	5090	5494	5389	5567	6335	6503	6753	6599	6798	6469
5	ID:00700108	LEWIS PASS - Telemetry Site 32	1282	1182	928	805	893	850	883	1141	1138	1341	1669	1407	1190
5	ID:01S00285	WAIPARA - Telemetry Site 52 -(WIM Site)	7992					6642			8068	8801	9363	8735	7823
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	22692	21611	22522	20277	22852	22279	21699	23759	23971	23009	23110	24265	23306
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	22179	20520	21858	20035	22247	21519	21059	23001	23346	22685	21968	23701	23056
5	ID:00800059	FAIRLE - Telemetry Site 98 (New Dec 09)	2689	2410	1813	1697	2022	2084	2104	2205	2459	2788	3464	3049	2805
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	10544	9775	9990	9361	9686	9936	9833	10829	11479	10922	10944	12128	11414
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	3167	2762	2606	2312	2431	2492	2560	2839	3169	3301	3457	3494	3277
5	ID:00700239	AHAURA - Telemetry Site 40	1340	1178	1138	1014	1081	1071		1196		1314	1344	1364	1302
5	ID:00600398	PUNAKAIKI - Telemetry Site 39	1142	896	729	608	644	672	693	819	1050	1136	1277	1317	1149
5	ID:00600753	HAAST - Telemetry Site 111	1172	841	535	395	457	506	594	810	1050	1069	1305	1341	
6	ID:00600895	WANAKA - Telemetry Site 109	3536	3185	2688	2491	2919	2921	2790	3111	3363	3688		3924	3803
6	ID:00800263	TARRAS - Telemetry Site 110	1890	1563	1077	969	1187	1210	1257	1358	1507	1858	2354	1963	1776
6	ID:00800336	ALEXANDRA - Telemetry Site 44	2383	2196	1905	1709	1881	1993	1929	2073	2188	2409	2891	2591	2353
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	15564	15315	15760	15201	15623	15784	15175	16156	16462	15847	14367		
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	10974	10830	11019	10589	10894	10882	10484	11289	11446	11003	10176		
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	2475	2439	2535	2427	2513	2532	2473	2577	2625	2493	2335		
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	3303	2969	3122	2955	3125	3134	3012	3164	3304	2997	2883		
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	3210	3059	3259	3152	3228	3261	3117	3257	3375	3099	2854		
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	2114	1999	2115	1994	2118	2141	2058	2169	2262	2057	1969		
6	ID:01S00765	MILTON - Telemetry Site 27	6653	6350	5937	5350	5670	5587	5416	6132	6332	6616	6436	6930	6581
6	ID:06A00001	FRANKTON - Telemetry Site 90	19449	18083	16397	16678	19084	19943	17545	18237	19164	20343	21430	21335	19939
6	ID:08500161	GALLOWAY - Telemetry Site 89	2004	1906	1869	1659	1749	1870	1798	1884	2037	2206	2329	2194	1975
6	ID:08800004	RAVENSBOURNE - Telemetry Site 88	8961	8473	8494	8146	8314	8499	8703	8703	9290	8676	8252	9337	9142
6	ID:08300063	KUROW - Telemetry Site 113	1144	932	728	645	703	733	794	987	1030	1414	1565	1275	1143
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	11582	11244	11411	10806	10867	11218	10194	11425	12398	11492	10527	12539	11812
6	ID:00601147	WINTON - Telemetry Site 46	4903	4629	4786	4360	4478	4640	4352	4756	5142	4972	4532	5093	5107
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	2244	2058	1447	1245	1367	1380	1402	1700	2020	2162	2788	2667	2399
6	ID:01S00854	GORE - Telemetry Site 45	4201	3969	3895	3528	3706	3714	3596	4068	4293	4344	4117	4628	4235
6	ID:09400141	TE ANAU - Telemetry Site 94	1558	1216	749	541	644	687	740	907	1362	1474	1775	1803	1560

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MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14
1	ID:01N00212	KAWAKAWA - Telemetry Site 18	753	669	683	592	627	619	644	735	788	789	833	804	774
1	ID:01200026	KAIKOHE - Telemetry Site 102	70	55	51	42	44	44	44	55	64	57	61	76	86
1	ID:01400016	MAUNGATAPERE - Telemetry Site 104	315	283	291	251	294	294	299	315	309	249	262	286	291
1	ID:01N10459	DRURY - Telemetry Site 7 - SB (Park Estate)	2717	2484	2743	2343	2493	2472	2432	2662	2781	2567	2583	2913	2860
1	ID:01N20459	DRURY - Telemetry Site 7 - NB (Park Estate)	2607	2455	2573	2274	2405	2351	2309	2598	2647	2392	2516	2747	2726
1	ID:01N00336	WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd	961	911	938	829	892	870	881	1020	1095	1065	1193	1160	1106
1	ID:01N10474	BOMBAY - Telemetry No Site 72 - SB	2151	2021	2152	1958	2063	2001	1973	2115	2239	2146	2111	2305	2304
1	ID:01N20474	BOMBAY - Telemetry Site 72 - NB	2061	1923	1997	1773	1854	1814	1789	1984	2099	1979	2036	2147	2103
1	ID:01N00388	ALPURT - Telemetry Site 95	1302	1179	1184	1060	1128	1060	1065	1289	1387	1388	1445	1443	1406
1	ID:01600016	SH16 Royal Rd to Hobsonville Rd	2440	2306	2165	1959	2067		2071	2272	2509	2228	2050	2496	2615
1	ID:01810007	SH18 Upper Harbour Bridge WB	1225	1726	1746		994	1119	1252					988	1047
1	ID:01820007	SH18 Upper Harbour Bridge EB	634	644				632	637		635	556	530	729	764
1	ID:02000006	SH20 Puhinui Rd to Massey Rd	3818	3629	4673	3658	4044	3847	3930	3922	4364		3673	4148	
2	ID:00200002	MAUNGATAWHIRI - Telemetry Site 74	1802	1682	1748	1521	1622	1651	1611	1768	1902	1676	1848	1927	1864
2	ID:25A00024	HIKUAU - Telemetry Site 76 - 1.3km after Kitahi Rd	298	242	212	198	215	197	222	256	293	361	419	313	307
2	ID:02700011	KAIHERE - Telemetry Site 33	963	911	915	788	806	853	855	938	1016	907	886	988	964
2	ID:01N00526	TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd	2305	2152	2233	2006	2108	2148	2119	2356	2535	2303	2240	2433	2409
2	ID:01N00620	LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd		1506	1465	1256	1339	1431		1633	1694	1455	1609	1717	1753
2	ID:00300085	TE KUITI - Telemetry Site 16 - Nth of 8 Mile Junction	756	723	723	600	676	627	662	706	779	707	689	767	759
2	ID:03200074	West of Taupo - Telemetry Site 43	91	67	63	60	57	52	52	64	63	68	81	80	78
2	ID:01N00580	KARAPIRO - Telemetry Site 20	1832	1466	1482	1249	1341	1399	1409	1655	1764	1611	1785	2091	1889
2	ID:00200091	WAIHI - Telemetry Site 34 - East of Samson Rd West	882	786	807	693	740	729	737	836	878	832	907	897	868
2	ID:01N00729	HALLETT'S BAY - Telemetry Site 42	827	764	772	693	700	732	731	788	891	820	858	910	867
2	ID:01N00628	TOKOROAU - Telemetry Site 51 - (WIM Site)	1625	1426	1450	1298	1363	1462	1510	1676	1716	1586	1591	1703	1750
2	ID:01N90552	GREENWOOD - Telemetry Site 97	1775	1709	1858	1705	1805	1801	1745	1932	1980	1764	1839	2159	2111
2	ID:00200141	TE PUNA - Telemetry Site 65 - West of Snodgrass	1208	1167	1291	1093	1113	1103	1102	1232	1283	1202	1192	1279	1267
2	ID:03010149	TE NGA - Telemetry Site 64	1092	941	1024	927	934	969	923	1011	1015	889	923	1001	1006
2	ID:03020149	East end of Puarenga Brg (Dec) - Telemetry Site 64	1167	1034	1097	981	958	998	957	1086	1139	988	1056	1134	1126
2	ID:00200204	OHINEPANEA - Telemetry Site 13 - West of Rogers Rd	716	681	742	654	715	783	772	841	870	777	773	769	801
2	ID:03000188	LAKE ROTOMA - Telemetry Site 22	358	347	344	291	302	332	329	326	353			374	388
2	ID:03300030	Sth of Maungarangi Rd Paengaroa - Telemetry Site 14	708	584	634	555	577	583	581	631	671	582	626	660	667
2	ID:00500034	TARUKENGA - Telemetry Site 15	676	639	605	529	545	562	562	625	663	613	674	731	719
2	ID:02900034	KAIMAI - Telemetry Site 12	1505	1387	1427	1153	1210	1231	1277	1486	1582	1457	1332	1714	1724
2	ID:00500057	WAIPA - Telemetry Site 41 - Sth of SH30	947	865	898	792	833	855	862	913	911	784	878	956	982
2	ID:00200176	TE PUKE - Telemetry Site 49 - (WIM Site)	1936	1845	2156	1908	1916	1927	1896	2065	2129	1850	1899	2088	2095
2	ID:00200242	AWAKERI - Telemetry Site 92	830	675	769	605	611	625	657	784	796	701	713	779	783
2	ID:00210152	TAKITIMU DRIVE - Telemetry Site 105 - Inc	1269	1238	1267	1074	1147	1133	1099	1277	1343	1198	1172	1406	1401
2	ID:00220152	TAKITIMU DRIVE - Telemetry Site 105 - Dec	1229	1234	1265	1089	1165	1150	1118	1285	1337	1207	1181	1393	1385
3	ID:00200428	ORMOND : Telemetry Site 26	332	307	281	270		217	204	266	283	258	300	344	342
3	ID:03500321	HAMANATUA BRIDGE - Telemetry Site 108 WIM	552	500	538	446	492	461	429	531	555	497	493	595	593
3	ID:00200627	TANGOIO - Telemetry Site 24	444	396	424	346	356	337	317	367	389	362	426	433	443
3	ID:00500230	TE POHUE - Telemetry Site 23	518	491	503	396	452	441	488	491	573	477	504	565	561
3	ID:00500259	ESKDALE - Telemetry Site 101 - (WIM Site)		637	644	546	566	578	620	659	734	626	619	717	740
3	ID:05000010	Nth of Tutaekuri River (Telemetry Site 58)	1635	1543	1637	1379	1367	1267	1282	1403	1469	1571	1610	1643	1736
3	ID:00300171	TONGAPORUTU Brg - Telemetry Site 78	454	472	440	366	384	387	422	424	468	425	438	483	475
3	ID:00300267	TARIKI - Telemetry Site 6	1092	987	1001	816	901	949	1036	1101	1171	1050	1066	1153	1188
3	ID:00300370	WAITOTARA - Telemetry Site 5	640	612	617			677	685	643	819	660	664	689	683
3	ID:04500101	OHAWA BEACH Rd - Telemetry Site 71	455	344	328	252	279	428	594	688	647	559	543	548	493
3	ID:01N00930	SANSON - Telemetry Site 38	1675	1518	1587	1298	1332	1469	1464	1630	1761	1592	1615	1713	1708
3	ID:01N00988	OHAWA - Telemetry Site 56	1528	1392	1467	1299	1355	1377	1360	1474	1594	1463	1467	1619	1592
3	ID:00200755	NORSEWOOD - Telemetry Site 25	688	580	564	475	501	493	527	575	643	587	657	701	719
3	ID:00300489	MANAWATU GORGE - Telemetry Site 30	837	750	772	673	700	701	679	735	833	757	830	870	896
3	ID:00400133	HOROPITO - Telemetry Site 37	312	266	280		318	254	250	260	298	277	278	321	306

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MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14
3	ID:00400226	UPOKONGARO - Telemetry Site 28	171	159	148	132	148	145	137	146	183	173	186	199	189
3	ID:01N00827	HIHITAHU - Telemetry Site 29	996	925	931	830	880	854	866	942	1057	904	1059	1064	990
3	ID:05400049	FIELDDING - Telemetry Site 106	284	249	267	219	219	223	217	231	253	229	216	260	268
3	ID:05700014	SHANNON - Telemetry Site 107	707	638	682	641	648	662	663	727	778	729	715	779	781
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	651	606	655	596	649	661	628	680	726	664	650	748	730
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	678	595	572	484	541	556	585	646	699	621	627	695	651
4	ID:00200937	RIMUTAKA - Telemetry Site 01 - Pukuratahi River Brg	381	337	307	263	281	289	294	323	359	347	345	356	360
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47	1872	1792	1843	1724	1850	1861	1800	2001	2060	1755	1858	2068	2075
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	622		717	601	648	658	626	681	724	650	623	720	703
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	603	574	577	452	489	515	466	499		472	472	552	556
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	679	672	698	653	689	701	698	712	723	657	617	723	692
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	733		797	878	929	933	916	958	976	897	850	983	952
4	ID:00210965	KELSON - Telemetry Site 99 - SB	706	662	698	660	683	676	677	543	840	589	665	793	779
4	ID:00220965	KELSON - Telemetry Site 99 - NB	693	650	671	621	653	640	642	515	742	543	584	701	707
4	ID:00600122	STOKE - Telemetry Site 81 - Whakatu Drive at Songer St	1379	1330	1509	1260	1320	1203	1209	1326	1407	1239	1375	1356	1428
4	ID:00600232	MURCHISON - Telemetry Site 35	318	281	273	214	222	234			321	292	370	365	332
4	ID:00600100	HIRA - Telemetry Site 36	526	449	461	386	422	420	431	448	489	445	491	524	513
4	ID:06000040	SH60 Riwaka Telemetry Site 86	271	224	251	208	158	161	179	221	303	294	346	364	317
4	ID:01S00037	Blenheim Telemetry Site 87	632	754	598	484	512	541	538	659	686				755
4	ID:06300096	ST ARNAUD - Telemetry Site 93	47	37	37	28		29	27	35	39	32	41	51	52
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	1719	1591	1511	1225	1342	1357	1543	1753	1908	1816	1846	1913	1773
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	1090		1419	1285	1422	1494	1642	1864	1873	1946	1733	1819	1882
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	239	215	194	141	165	206	221	217	254	247	263	279	279
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	513	507	495	401	421	411	461	521	572	506	542	565	515
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	1078	979	928	714	765	864	997	1112	1167	1110	1127	1160	1164
5	ID:00700108	LEWIS PASS - Telemetry Site 32	207	198	175	147	155	160	155	188	208	198	265	219	212
5	ID:01S00285	WAI PARA - Telemetry Site 52 - (WIM Site)	1404					967			1322	1230	1302	1305	1227
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	1601	1508	1534	1274	1517	1502	1539	1764	1826	1590	1724	1818	1701
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	1401	1273	1301	1102	1312	1284	1321	1515	1572	1422	1442	1554	1453
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	1640	1654	1581	1381	1580	1614	1656	1775	1997	1806	1739	1952	1824
5	ID:00800059	FAIRLIE - Telemetry Site 98	330	302	234	165	179	188	236	253	303	310	398	361	332
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	343	308	279	186	222	246	351	403	432	412	428	438	411
5	ID:00700239	AHAURA - Telemetry Site 40	197	166	160	127	139	150		222		208	211	229	227
5	ID:00600398	PUNAKAIKI - Telemetry Site 39 - Just Nth of Canoe Creek	109	86	72	61	56	64	86	97	120	117	120	132	119
6	ID:00800336	ALEXANDRA - Telemetry Site 44 - Sth Near Butchers Dam	228	217	213	163	184	203	187	203	227	227	289	275	241
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	903	872	876	741	796	803	807	891	926	926	827		
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	724	713	726	595	645	645	655	730	751	751	671		
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	128	126	128	109	119	120	122	129	134	134	121		
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	211	202	204	175	198	201	195	213	225	225	192		
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	144	138	138	112	135	134	122	139	140	140	119		
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	74	73	76	64	71	78	71	76	85	85	71		
6	ID:01S00765	MILTON - Telemetry Site 27	864	854	799	627	645	656	707	808	890	890	826	954	884
6	ID:06A00001	FRANKTON - Telemetry Site 90	978	888	734	668	810	871	784	845	959	959	1012	1106	1022
6	ID:08S00161	GALLOWAY - Telemetry Site 89	138	135	137	100	107	134	117	117	134	134	138	153	144
6	ID:08B00004	RAVENSBOURNE - Telemetry Site 88	559	483	498	419	427	416	462	482	562	562	514	625	553
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	400	395	369	344	351	368	347	395	427	427	362	438	463
6	ID:00601147	WINTON - Telemetry Site 46	494	459	452	333	386	422	425	486	509	509	472	534	538
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	238	221	168	119	137	164	146	184	232	232	296	292	286
6	ID:01S00854	GORE - Telemetry Site 45	522	512	487	361	372	444	461	545	608	608	550	616	577
6	ID:09400141	TE ANAU - Telemetry Site 94	180	151	94	59	61	73	73	99	167	167	170	177	160

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