

# Ambient air quality (nitrogen dioxide) monitoring network

## Site metadata report 2007-12

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# Ambient air quality (nitrogen dioxide) monitoring network - site metadata report 2007 to 2012

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Prepared for  
New Zealand Transport Agency (NZTA)

By



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# Introduction

The NZ Transport Agency (NZTA) is a Crown entity responsible for, among other things, managing almost 11,000 kilometres of state highways. The state highway system accounts for about 12 per cent of New Zealand's roads and around half of the 40 billion vehicle kilometres New Zealanders travel each year<sup>1</sup>. Motor vehicles travelling on roads emit an array of air pollutants which can contribute to harmful effects on human health and smog formation.

Section 96(1)(a) of the Land Transport Management Act requires that the NZTA exhibit a sense of social and environmental responsibility. The NZTA promotes an accessible and safe transport system that contributes positively to New Zealand's economic, social and environmental welfare and is committed to acting in an environmentally and socially responsible manner. Giving effect to this policy, the NZTA's Environmental Plan<sup>2</sup> presents approaches and implementation plans for a range of environmental and social impacts arising from the state highway network. The specific objectives for improving air quality include:

- A1. Understand the contribution of vehicle traffic to air quality
- A2. Ensure new state highway projects do not directly cause national environmental standards for ambient air quality to be exceeded
- A3. Contribute to reducing emissions where the state highway network is a significant source of exceedances of national ambient air quality standards

Annual assessment of vehicle emissions from the state highway network is undertaken using data gathered from selected sites using passive samplers to measure nitrogen dioxide (NO<sub>2</sub>) as a general proxy for air pollution from motor vehicles. The World Health Organisation (WHO) states<sup>3</sup> that:

*"Nitrogen dioxide concentrations closely follow vehicle emissions in many situations, so nitrogen dioxide levels are generally a reasonable marker of exposure to traffic-related emissions."*

In 2007, NZTA started a national NO<sub>2</sub> passive monitoring programme to determine relative levels of vehicle pollution across the state highway network. As at the end of 2012, diffusion tubes (a type of passive sampler) are now deployed in nearly 130 sites across New Zealand (including state highway, local road and background locations). The overall aim is to see a decreasing trend in NO<sub>2</sub> concentrations measured at these sites.

This report presents the metadata for all sites (past and current) that have been part of the NZTA national NO<sub>2</sub> passive monitoring network sites since 2007 to end 2012 and includes the following:

- Summary tables listing all sites by monitoring zone from 2007 to 2012
- Maps showing the coverage of the national network in each year from 2007 to 2012
- Individual one-page descriptions for each site ordered by monitoring zone outlining critical details such as location, type and the distance to nearest roads/receptors

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<sup>1</sup> MoT (2011). *The New Zealand vehicle fleet, Annual fleet statistics 2010*, Ministry of Transport, dated March 2011 but updated in August 2011.

<sup>2</sup> Transit (2008). *Environmental Plan, version 2*, Transit New Zealand, June 2008. Note: Transit New Zealand merged with Land Transport New Zealand to form the NZ Transport Agency on 1 August 2008.

<sup>3</sup> WHO (2006). *Air quality guidelines global update 2005: Particulate matter, ozone, nitrogen dioxide, and sulphur dioxide*, World Health Organisation, October 2006.



This report is intended to complement the 2007-2012 monitoring report<sup>4</sup>, which details the results and trends from the passive sampling programme since its inception.

## Monitoring zones

NZTA monitoring zones have been established for each main urban area<sup>5</sup> in New Zealand, as well as for Taupo, Otaki, Blenheim, Greymouth and Queenstown. The number of monitoring sites within each zone reflects the risk of being exposed to elevated levels of air pollution arising from vehicles using the state highway network. This is based on the population of urban areas in each zone.

In 2007 and 2008, there were 53 locations monitored throughout New Zealand. NZTA expanded the network in 2009 to include background and local road sites and then undertook a further significant expansion in 2010 to improve coverage. In 2012, the national network monitored NO<sub>2</sub> concentrations in 128 locations. Table 1 summarises the number of monitoring sites in each zone.

**Table 1: The number of monitoring sites in each zone from 2007 to 2012**

Monitoring zone	Population in 2006 (000's)	Site type	Number of sites <sup>a</sup>					
			2007	2008	2009	2010	2011	2012
Whangarei	49	SH	1	1	1	1	1	1
		Background			1	2	1	1
Auckland - Northern	248	SH	3	3	6 <sup>b</sup>	5	5	5
		Local	1	1	5 <sup>b</sup>	5	5	5
		Background			1	1	1	1
Auckland - Western	192	SH	1	1	5	5	5	4 <sup>c</sup>
		Local			4	4	4	5 <sup>c</sup>
		Background			1	1	1	1
Auckland - Central	396	SH	6	6	6	6	6	6
		Local			5	5	5	5
		Background	1	1	1	1	1	1
Auckland - Southern	372	SH	4	4	6	6	6	6
		Local			3	3	3	3
		Background			1	1	1	1
Hamilton	155	SH	3	3	3	5	5	5
		Local				3	3	3
		Background				1	1	1

<sup>4</sup> NZTA (2013). *Ambient air quality (nitrogen dioxide) monitoring network - annual report 2007-2012*, NZ Transport Agency, April 2013.

<sup>5</sup> The NZTA monitoring zones reflect the "urban areas" used by Statistics New Zealand. The urban area classification is designed to identify concentrated urban or semi-urban settlements without the distortions of administrative boundaries. Three types of urban areas are defined – main, secondary and minor – and these are delineated by population. See [www.stats.govt.nz/census/about-2006-census/2006-census-definitions-questionnaires/definitions/geographic.aspx](http://www.stats.govt.nz/census/about-2006-census/2006-census-definitions-questionnaires/definitions/geographic.aspx) for details.

Monitoring zone	Population in 2006 (000's)	Site type	Number of sites <sup>a</sup>					
			2007	2008	2009	2010	2011	2012
Cambridge	15	SH	1	1	1	1	1	1
Te Awamutu	14	SH				1	1	1
Taupo	22	SH	1	1	1	1	1	1
Tauranga	109	SH	3	3	3	4	4	4
		Local				2	2	2
		Background				1	1	1
Rotorua	54	SH	1	1	1	1	1	1
		Background				1	1	1
Gisborne	33	SH	1	1	1	1	1	1
Napier	56	SH	2	2	2	2	2	2
		Background				1	1	1
Hastings	62	SH	1	1	1	1	1	1
		Background				1	1	1
New Plymouth	49	SH	1	1	1	1	1	1
		Background				1	1	1
Wanganui	39	SH	1	1	2	1	1	1
Palmerston North	76	SH	1	1	1	3	3	3
		Local				1	1	1
		Background				1	1	1
Otaki	5	SH				1	1	1
Kapiti	37	SH	1	1	1	1	1	1
Upper Hutt	36	SH				1	1	1
		Background				1	1	1
Lower Hutt	97	SH	2	2	3	3	3	3
		Local				1	1	1
		Background				1	1	1
Porirua	48	SH	1	1	1	1	1	1
Wellington	179	SH	2	2	4	6	5	5
		Local				3	3	3
		Background				2	2	2
Nelson	56	SH	3	3	3	3	3	3
		Background				1	1	1
Blenheim	29	SH	1	1	1	1	1	1

Monitoring zone	Population in 2006 (000's)	Site type	Number of sites <sup>a</sup>					
			2007	2008	2009	2010	2011	2012
Christchurch	361	SH	3	3	3	6	6	6
		Local				4	4	4
		Background	1	1	1	2	2	2
Greymouth	10	SH	1	1	1	1	1	1
Dunedin	111	SH	2	2	2	3	4	4
		Local	1	1	1	3	3	2
		Background				1	1	1
Queenstown	10	SH	1	1	1	1	1	1
Invercargill	47	SH	1	1	1	1	1	1
		Background				1	1	1
<b>Grand Total</b>			<b>53</b>	<b>53</b>	<b>86</b>	<b>130</b>	<b>129</b>	<b>128</b>

- The number of sites includes all sites that had data for the current year. Therefore, if a site was relocated to another location in a particular year but both locations have at least one-month's data for that year then both sites are counted in this table.
- AUC004 was a state highway site until the beginning of 2009 when the Johnstone's Hill tunnels were opened and then it became a local road site.
- AUC049 was a state highway site until the end of 2011 when the new SH18 Hobsonville deviation was opened and then it became a local road site.

Monitoring sites in the NZTA national NO<sub>2</sub> passive monitoring network are classified as:

- *State highway* sites, which are located within 100m of the highway being monitored
- *Local road* sites, which are located within 50m of the road being monitored
- *Urban background* sites, which are located more than 100m from a state highway and more than 50m from a busy local road

## Monitoring locations

Table 2 summarises the metadata for all sites that were operational between 2007 and 2012.

Figures 1 to 6 illustrate how the monitoring network has developed from 2007 to 2012.

**Table 2: Summary of metadata for the NZTA national ambient NO<sub>2</sub> monitoring network for sites for 2007 to 2012**

Site metadata summary										
Monitoring zone	Site ID	Site name	Area	NZTM easting	NZTM northing	Distance to sensitive receptor (m)	Site type	State highway	Distance to SH (m)	Distance to local road (m)
Whangarei	AUC001	Western Hills Dr / Selwyn Ave	Woodhill	1718908	6046054	10	SH	1	1	350
	AUC038	Huia St (relocated to AUC171)	Whau Valley	1717812	6048753	10	Background	1	880	95
	AUC171	Korau Rd (relocated from AUC038)	Tikipunga	1720175	6049513	5	Background	1	1535	80
Auckland - Northern	AUC004	Grand Dr / Tauranga Pl	Orewa	1750060	5949364	50	Local	1	1220	1
	AUC005	Northern Motorway / Fairview Ave	Albany	1753063	5935161	120	Local	1	160	2
	AUC006	Northern Motorway / Curry Ln (relocated to AUC170)	Westlake	1755497	5928947	25	SH	1	5	35
	AUC007	Northern Motorway / Sulphur Beach Rd	Northcote	1756065	5923935	5	SH	1	11	610
	AUC039	Albany Highway / Ashby Pl	Unsworth Heights	1752018	5930500	8	SH	18	60	330
	AUC040	Upper Harbour Dr / William Pitcher Pl	Greenhithe	1749755	5928069	15	SH	18	12	270
	AUC041	Glenfield Rd / Sunset Rd	Glenfield	1753390	5929775	5	Local	18	1115	1
	AUC042	Lake Rd / Service Ln	Takapuna	1758078	5927136	5	Local	1	1590	1
	AUC043*	Northern Motorway / Wairau Rd (AC Takapuna) * = triplicate site	Takapuna	1756069	5928070	50	SH	1	50	45
	AUC044*									
	AUC045*									
	AUC046	Lake Rd / Esmonde Rd	Takapuna	1758428	5926591	5	Local	1	1425	2
	AUC047	Woodcote Dr	Marlborough	1753696	5927375	10	Background	1	2530	60
AUC170	Northern Motorway / Tristram Ave (relocated from AUC006)	Westlake	1755482	5928973	25	SH	1	5	5	
Auckland - Western	AUC020	North Western Motorway / Cedar Heights Ave	Massey East	1744601	5921792	10	SH	16	90	170
	AUC048	North Western Motorway / Te Atatu Rd	Te Atatu	1747262	5919849	40	SH	16	2	2
	AUC049	Hobsonville Rd / Carnegie Cres	Hobsonville	1747244	5926410	5	Local	18	280	10
	AUC050	SH16 / Kennedys Rd	Whenuapai	1742258	5926703	7	SH	16	4	155

Site metadata summary										
Monitoring zone	Site ID	Site name	Area	NZTM easting	NZTM northing	Distance to sensitive receptor (m)	Site type	State highway	Distance to SH (m)	Distance to local road (m)
	AUC051	North Western Motorway / Taitapu St	Massey East	1745021	5921302	8	SH	16	70	195
	AUC052	Henderson Valley Rd / Hickory Ave	Henderson	1745187	5916791	15	Local	16	3450	5
	AUC053	Te Atatu Rd / Edmonton Rd	Te Atatu South	1746835	5918811	5	Local	16	930	3
	AUC054*	Lincoln Rd / Henderson Intermediate (AC Henderson) * = triplicate site	Henderson	1745143	5918530	20	Local	16	2095	7
	AUC055*									
	AUC056*									
	AUC057*	Meadowvale Rd / Ceramco Park (AC Glen Eden) * = triplicate site	Glen Eden	1747149	5912480	10	Background	16	6160	250
	AUC058*									
	AUC059*									
AUC063	Great North Rd / Rata St	New Lynn	1749443	5913945	3	Local	20	4140	10	
Auckland - Central	AUC008	Northern Motorway / St Mary's Bay Rd	St Mary's Bay	1755662	5921138	10	SH	1	70	280
	AUC009	CMJ / Canada St	Newton	1756811	5919276	20	SH	1	20	130
	AUC011	Southern Motorway / Mt Hobson Rd	Remuera	1758969	5917106	10	SH	1	10	390
	AUC013*	Southern Motorway / Gavin St (AC/MfE Penrose) * = triplicate site	Penrose	1761757	5914171	45	SH	1	100	210
	AUC014*									
	AUC015*									
	AUC021	Waterbank Cres	Waterview	1751684	5917742	10	Background	16	150	260
	AUC022	North Western Motorway / Niger St	Arch Hill	1755717	5918398	10	SH	16	32	110
	AUC025	Hugh Watt Dr / Melrose Rd	Hillsborough	1756246	5912958	5	SH	20	40	215
	AUC060	New North Rd / Mount Albert Rd	Mt Albert	1752882	5916590	3	Local	16	1515	1
	AUC061	Great South Rd / Green Ln East	Greenlane	1759925	5915778	8	Local	1	255	2
	AUC062	Ellerslie Panmure Highway / Mountain Rd	Panmure	1764307	5914946	10	Local	1	2300	3
	AUC064	Sandringham Rd / Kowhai Intermediate (MfE Kingsland)	Kingsland	1755692	5917809	2	Local	16	470	4
AUC071	Mangere Rd / Walmsley Rd	Otahuhu	1763685	5908918	3	Local	1	1670	1	

Site metadata summary										
Monitoring zone	Site ID	Site name	Area	NZTM easting	NZTM northing	Distance to sensitive receptor (m)	Site type	State highway	Distance to SH (m)	Distance to local road (m)
Auckland - Southern	AUC018	Southern Motorway / Waimate St	Flat Bush	1767463	5906047	20	SH	1	60	250
	AUC019	Southern Motorway / Liggett Dr	Manukau	1767713	5903803	10	SH	1	100	60
	AUC026	South Western Motorway / Hastie Ave	Mangere Bridge	1759570	5909661	5	SH	20	25	270
	AUC027	South Western Motorway / Ashmore Pl	Mangere	1760189	5908083	5	SH	20	20	490
	AUC067	South Western Motorway / Massey Rd	Mangere East	1761844	5906521	6	SH	20	20	85
	AUC068	George Bolt Dr / Kirkbride Rd	Mangere	1759293	5906550	10	SH	20A	2	2
	AUC069	Bairds Rd / Otara Rd	Otara	1766535	5908095	5	Local	1	605	10
	AUC070	Dominion Rd / Settlement Rd	Papakura	1774740	5896065	25	Local	1	3440	5
	AUC072	Pakuranga Rd / Bell Reserve (AC Pakuranga)	Pakuranga	1768412	5913942	5	Local	1	4320	3
	AUC073	Oakridge Way (AC Botany)	Botany	1771370	5912359	10	Background	1	7040	250
Hamilton	HAM001	Cambridge Rd / Morrinsville Rd	Hillcrest	1804416	5813725	40	SH	1	3	240
	HAM002	Avalon Dr / Grandview Rd	Nawton	1797762	5816739	40	SH	1	3	20
	HAM003	Lorne St / Ohaupo Rd	Melville	1800756	5813015	2	SH	1 & 3	1	5
	HAM012	Te Rapa Rd / Ann Michele St	Pukete	1795724	5821363	8	SH	1	4	910
	HAM013	Greenwood St / Killarney Rd	Frankton	1799056	5814544	10	SH	1	1	1
	HAM014	Victoria St / Ulster St	Beerescourt	1799295	5817333	31	Local	1	1670	1
	HAM015	Brooklyn Rd / Peachgrove Rd	Claudelands	1801984	5816917	20	Local	1	3400	3
	HAM016	Bridge St / Cobham Dr	Hamilton West	1801223	5814608	7	Local	1	1190	1
	HAM017	Seamer Pl	St Andrews	1798688	5819138	10	Background	1	1665	93
Cambridge	HAM004	Victoria St / Queen St	Cambridge	1816991	5803351	15	SH	1	1	30
Te Awamutu	HAM022	Ohaupo Rd / Albert Park Dr	Te Awamutu	1804490	5790839	5	SH	3	1	80
Taupo	HAM005	Tongariro St / Norman Smith St	Taupo	1866997	5714268	60	SH	1	2	5
Tauranga	HAM007	Fifteenth Ave / Cameron Rd	Tauranga South	1878044	5822402	45	SH	2A	2	2

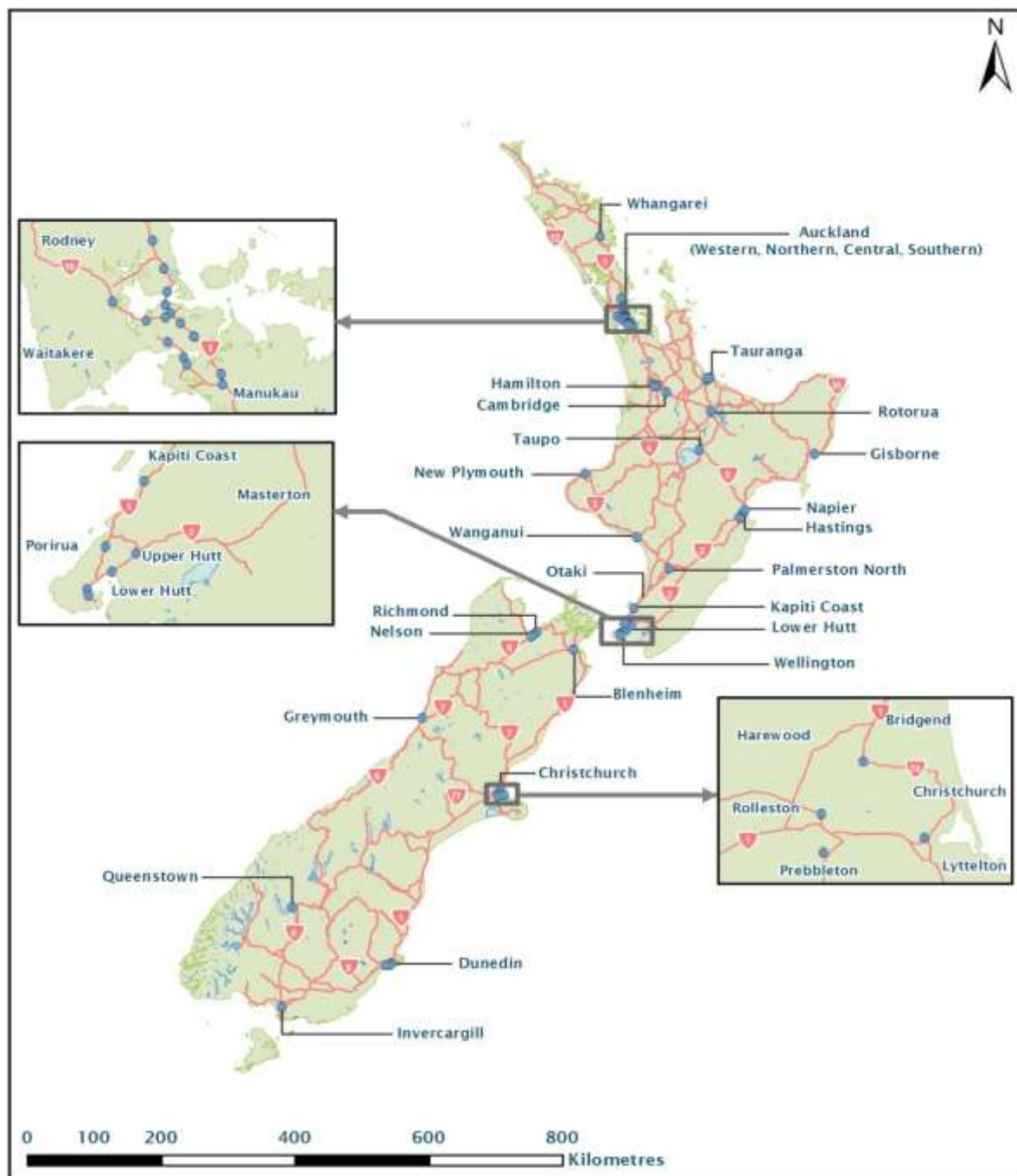
Site metadata summary										
Monitoring zone	Site ID	Site name	Area	NZTM easting	NZTM northing	Distance to sensitive receptor (m)	Site type	State highway	Distance to SH (m)	Distance to local road (m)
	HAM008	Maunganui Rd / Golf Rd	Mt Maunganui	1882910	5826562	30	SH	2	2	30
	HAM010	Marsh St / Chapel St	Tauranga	1879269	5825395	60	SH	2	2	2
	HAM018	SH2 / Maunganui Rd	Te Maunga	1884544	5824456	50	SH	2	2	810
	HAM019	Bellevue Rd / Otumoetai Rd	Brookfield	1876492	5823919	20	Local	2	1040	2
	HAM020	Cameron Rd / Twentythird Ave	Gate Pa	1877026	5821388	15	Local	2	1090	3
	HAM021	Seaforth Gr	Greerton	1875811	5819200	5	Background	29	360	280
Rotorua	HAM006	Old Taupo Rd / Pukuatua St	Rotorua	1883582	5774041	40	SH	30A & 5	3	40
	HAM023	Lighthouse St	Glenholme	1884716	5772827	10	Background	5	880	170
Gisborne	NAP001	Wainui Rd / Craig Rd	Gisborne	2038946	5707152	5	SH	35	2	190
Napier	NAP002	Napier Hastings Motorway / Meeanee Rd	Jervoistown	1931872	5616278	40	SH	50	3	2
	NAP003	Hyderabad Rd / Georges Dr	Marewa	1935394	5620994	10	SH	2	3	70
	NAP006	Hastie Pl	Onekawa	1934262	5618615	15	Background	50	800	600
Hastings	NAP004	Napier Hastings Motorway / Omaha Rd	Woolwich	1927501	5607387	180	SH	50A	20	10
	NAP005	Amanda Pl	Mayfair	1931267	5605429	15	Background	2	230	100
New Plymouth	WAN001	Northgate / Paynters Ave	Fitzroy	1695561	5676854	50	SH	3	1	140
	WAN009	Benbow Pl	Westown	1691914	5674457	5	Background	45	1360	240
Wanganui	WAN002	London St / Grey St (relocated to WAN010)	Wanganui	1773681	5578142	50	SH	3	1	70
	WAN010	London St / Grey St (relocated from WAN002)	Wanganui	1773776	5578231	10	SH	3	1	60
Palmerston North	WAN004	Rangitikei St / Featherston St	Palmerston Nth Central	1821340	5530133	20	SH	3	1	1
	WAN005	Pioneer Hwy / Maxwells Line	Awapuni	1818864	5527893	30	SH	56	1	35
	WAN006	Main St / Ruahine St	Terrace End	1823226	5530270	40	SH	3	1	10
	WAN007	Pitt St / Ferguson St	West End	1821556	5528890	20	Local	3	920	1

Site metadata summary										
Monitoring zone	Site ID	Site name	Area	NZTM easting	NZTM northing	Distance to sensitive receptor (m)	Site type	State highway	Distance to SH (m)	Distance to local road (m)
	WAN008	Tyndall St	Roslyn	1822113	5531385	5	Background	3	1250	100
Otaki	WEL061	State Highway 1 / Mill Rd	Otaki	1782095	5485605	15	SH	1	3	5
Kapiti	WEL004	Ihakara Street (relocated to WEL063)	Paraparaumu	1768605	5467998	20	SH	1	3	610
	WEL063	Main Rd South / Rimutaka St (relocated from WEL004)	Paraparaumu	1769627	5469035	20	SH	1	5	680
Upper Hutt	WEL057	River Rd / Totara Park Rd	Clouston Park	1774749	5446335	20	SH	2	2	5
	WEL058*	GWRC Savage Park * = triplicate site	Upper Hutt	1773803	5445683	21	Background	2	600	69
	WEL059*									
	WEL060*									
Lower Hutt	WEL002	Western Hutt Rd / Manor Park Rd	Manor Park	1765598	5441729	180	SH	2	1	485
	WEL003	Western Hutt Rd / Riddlers Cres	Petone	1757206	5435187	8	SH	2	40	150
	WEL028*	Western Hutt Rd / Block Rd (GWRC Melling Station) * = triplicate site	Boulcott	1759881	5436960	5	SH	2	10	50
	WEL029*									
	WEL030*									
	WEL052	Western Hutt Rd / Pharazyn St	Boulcott	1759667	5436831	12	SH	2	15	185
	WEL053	Knights Rd / Bloomfield Tce	Lower Hutt	1759934	5436058	20	Local	2	828	1
	WEL054*	GWRC Birch Lane * = triplicate site	Waterloo	1761034	5435864	8	Background	2	1595	100
	WEL055*									
WEL056*										
Porirua	WEL005	Johnsonville Porirua Motorway / Titahi Bay Rd	Porirua	1754930	5444242	30	SH	1	50	5
Wellington	WEL007	Wellington Urban Motorway / Bolton St	Lambton	1748501	5428612	15	SH	1	30	175
	WEL008	Rugby St / Sussex St	Mt Cook	1748917	5426328	15	SH	1	2	95
	WEL027	Johnsonville Porirua Motorway / Helston Rd (relocated to WEL064)	Johnsonville	1751754	5435077	5	SH	1	100	5

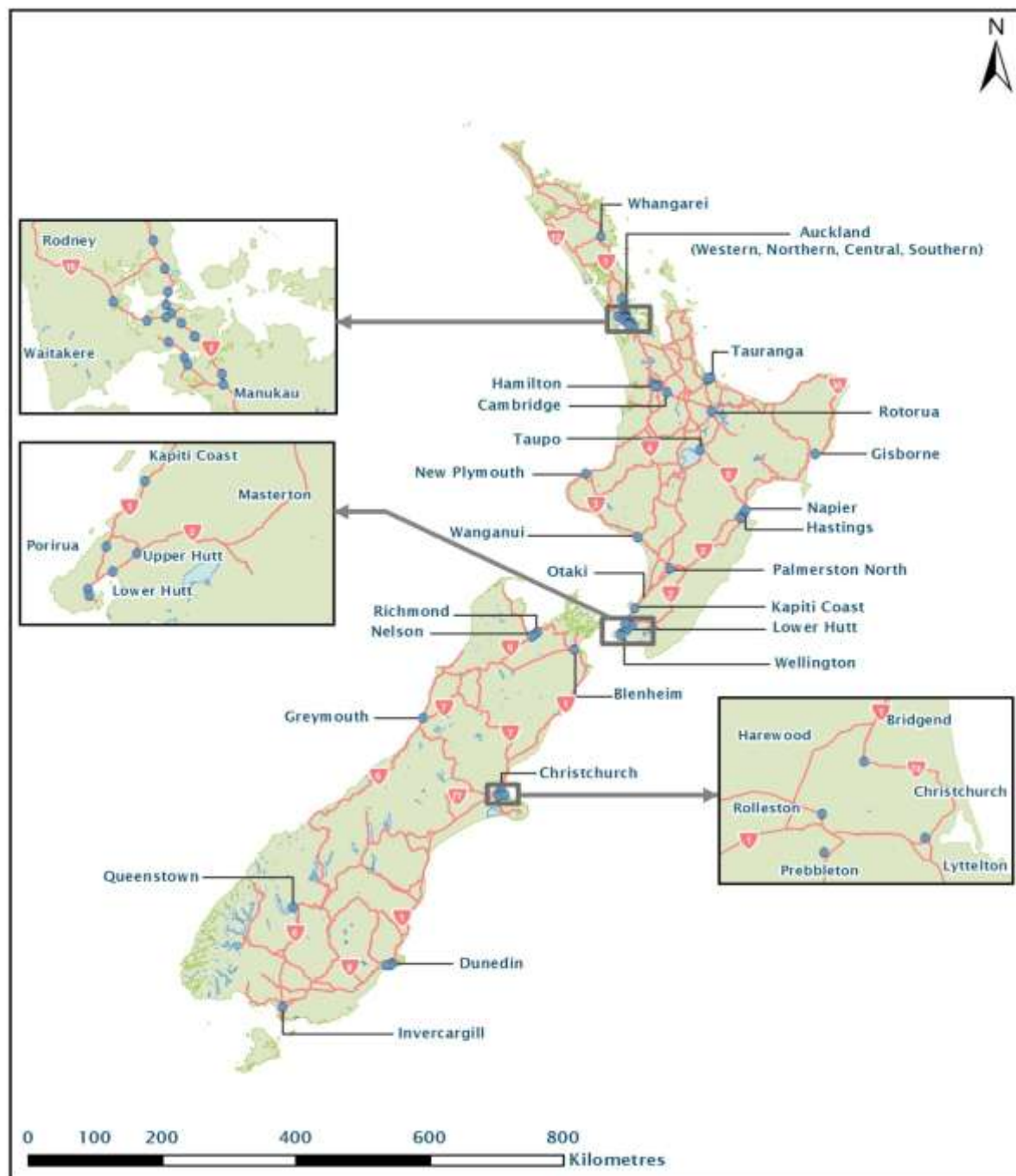


Site metadata summary										
Monitoring zone	Site ID	Site name	Area	NZTM easting	NZTM northing	Distance to sensitive receptor (m)	Site type	State highway	Distance to SH (m)	Distance to local road (m)
	WEL031*	Vivian St / Victoria St (GWRC Corner V) * = triplicate site	Te Aro	1748455	5427079	15	SH	1	7	5
	WEL032*									
	WEL033*									
	WEL034*	GWRC Duncan Park * = triplicate site	Linden	1753584	5442139	18	Background	1	585	60
	WEL035*									
	WEL036*									
	WEL047	Karori Rd / Campbell St	Karori	1745617	5428203	10	Local	1	2895	1
	WEL048	Thames St	Island Bay	1748544	5422507	1	Background	1	2870	150
	WEL049	Riddiford St / Mein St	Newtown	1748907	5425194	15	Local	1	1090	1
	WEL050	Wellington Rd / Hamilton Rd	Kilbirnie	1750102	5425039	2	SH	1	4	195
	WEL051	Miramar Ave / Hobart St	Miramar	1752043	5424476	3	Local	1	575	4
WEL064	Johnsonville Porirua Motorway / Helston Rd (relocated from WEL004)	Johnsonville	1751625	5435095	7	SH	1	7	5	
Nelson	WEL009	Haven Rd / Queen Elizabeth II Dr	Nelson	1623243	5431540	40	SH	6	3	10
	WEL010	Whakatu Dr / Songer St	Stoke	1618638	5427252	10	SH	6	10	125
	WEL011	Richmond Deviation / Melia Pl	Richmond	1616187	5424131	10	SH	6	60	420
	WEL062	Totara St	Toi Toi	1622565	5429808	10	Background	6	1335	90
Blenheim	WEL012	Nelson St / McLaughlan St	Blenheim	1678828	5404333	20	SH	6	3	390
Christchurch	CHR002	Main North Rd / Queen Elizabeth II Dr	Redwood	1569019	5185272	30	SH	74	2	40
	CHR003	Yaldhurst Rd / Curletts Rd	Riccarton	1565126	5180169	30	SH	73	5	5
	CHR004	Nash Rd	Hilmorton	1565311	5176435	60	Background	75	440	715
	CHR006	Rutherford St / Ferry Rd	Woolston	1574752	5177873	20	SH	74A	12	5
	CHR011	Main South Rd / Parker St	Hornby	1560924	5178620	15	SH	1	10	5
	CHR012	Memorial Ave / Grahams Rd	Burnside	1565320	5182825	10	Local	1	2195	1
	CHR013	Main North Rd / Johns Rd	Belfast	1569958	5189023	6	SH	74 & 1	3	1695
	CHR014	Brougham St / Waltham Rd	Waltham	1571458	5178310	8	SH	73	12	5

Site metadata summary										
Monitoring zone	Site ID	Site name	Area	NZTM easting	NZTM northing	Distance to sensitive receptor (m)	Site type	State highway	Distance to SH (m)	Distance to local road (m)
	CHR015	Shirley Rd / North Pde	Shirley	1572768	5182715	12	Local	74	2005	10
	CHR016	Buckleys Rd / Norwich St	Linwood	1573683	5179994	7	Local	73	2150	3
	CHR017*	ECan Riccarton Rd * = triplicate site	Riccarton	1567570	5180276	50	Local	73	1900	5
	CHR018*									
	CHR019*									
	CHR020*	ECan Coles Pl * = triplicate site	St Albans	1570393	5182343	40	Background	74	2545	155
	CHR021*									
CHR022*										
Greymouth	CHR001	Tainui St / School Lane	Greymouth	1452575	5298043	13	SH	6	1	175
Dunedin	DUN001	Cumberland St / Hanover St	Dunedin	1406666	4917299	30	SH	1	2	195
	DUN002	Dunedin Southern Motorway / Barnes Dr	Caversham	1404335	4914580	5	SH	1	40	150
	DUN003	Dunedin Southern Motorway / Old Brighton Rd (relocated to DUN011)	Fairfield	1397755	4913692	10	Local	1	150	2
	DUN006	Quarry Rd / Gladstone Rd	Mosgiel	1394721	4915218	30	SH	87	1	80
	DUN007	Durham St	Mornington	1404084	4915951	3	Background	1	1470	50
	DUN008	Stuart St / Strathmore Cres	Roslyn	1405367	4917609	5	Local	1	1310	10
	DUN009	Anderson Bay Rd / Bay View Rd	South Dunedin	1406779	4914351	20	Local	1	1215	2
	DUN011	Dunedin Southern Motorway / Old Brighton Rd (relocated from DUN003)	Fairfield	1397812	4913605	125	SH	1	60	3
Queenstown	DUN004	Stanley St / Sydney St	Queenstown	1258576	5004222	100	SH	6A	3	455
Invercargill	DUN005	Dee St / Don St	Invercargill	1242407	4849734	5	SH	6	1	265
	DUN010	Terrace St	Rosedale	1243428	4852255	10	Background	6	1130	50



**Figure 1: Map of the NZTA national nitrogen dioxide monitoring network in 2007**



**Figure 2: Map of the NZTA national nitrogen dioxide monitoring network in 2008**

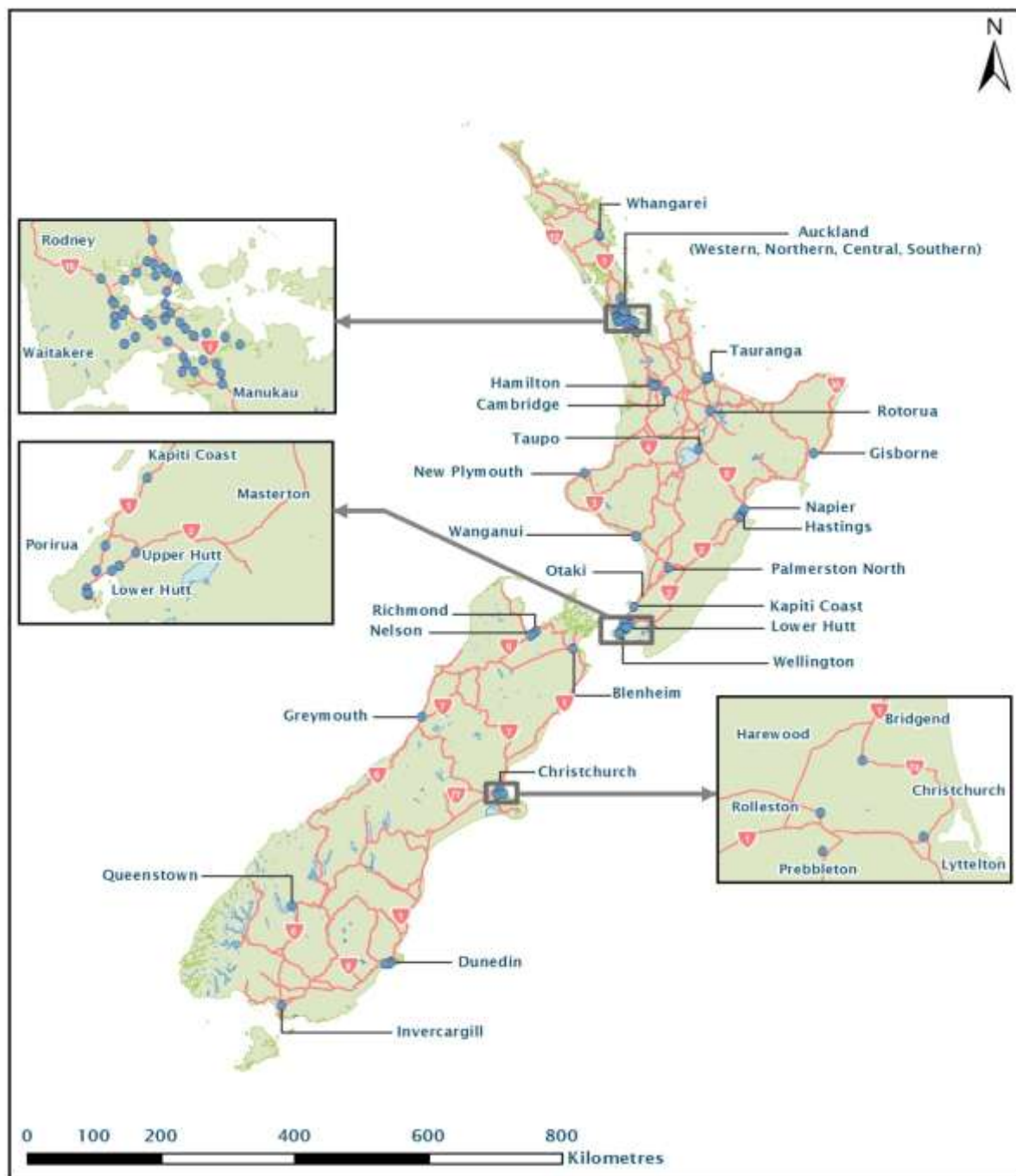
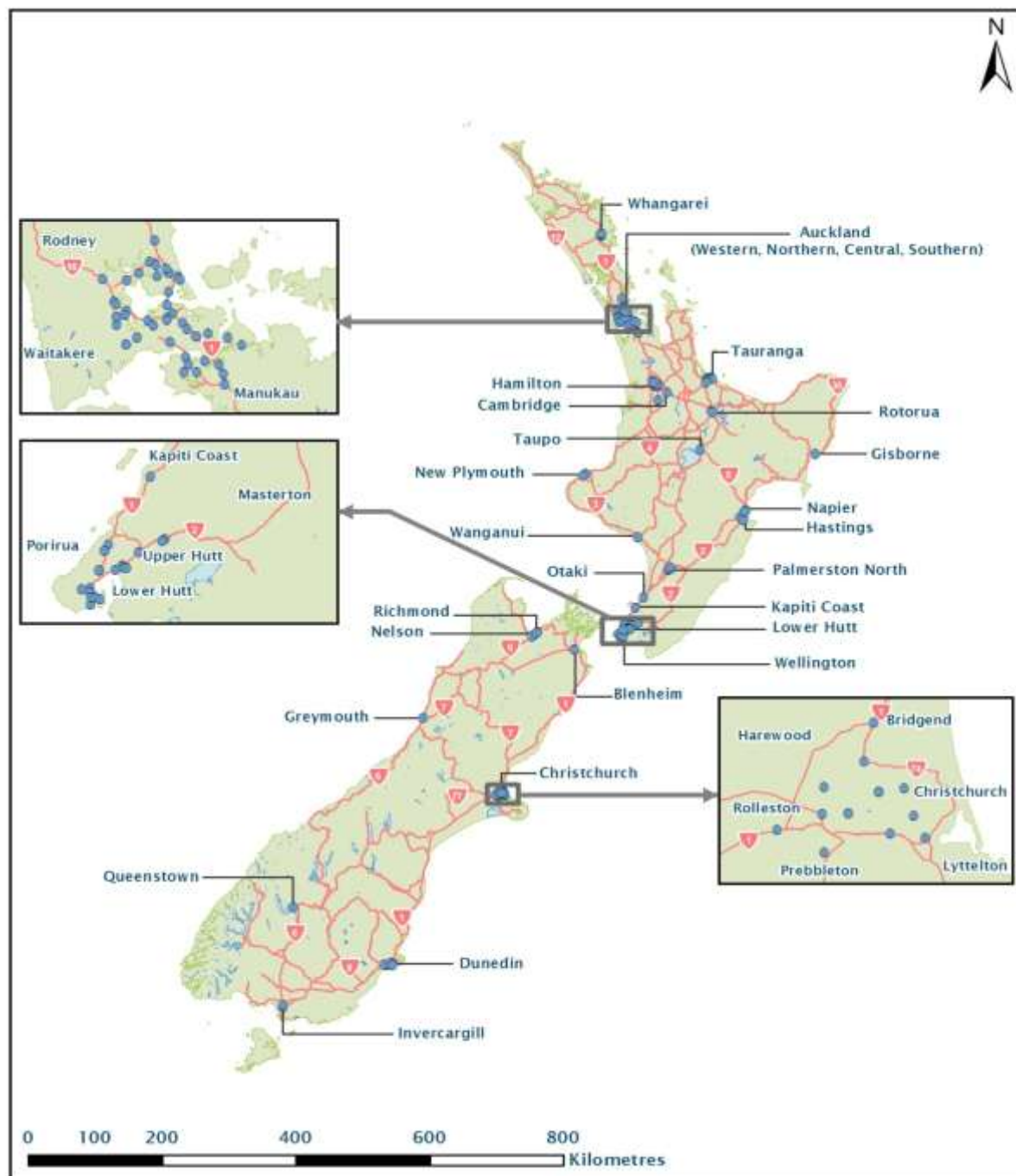
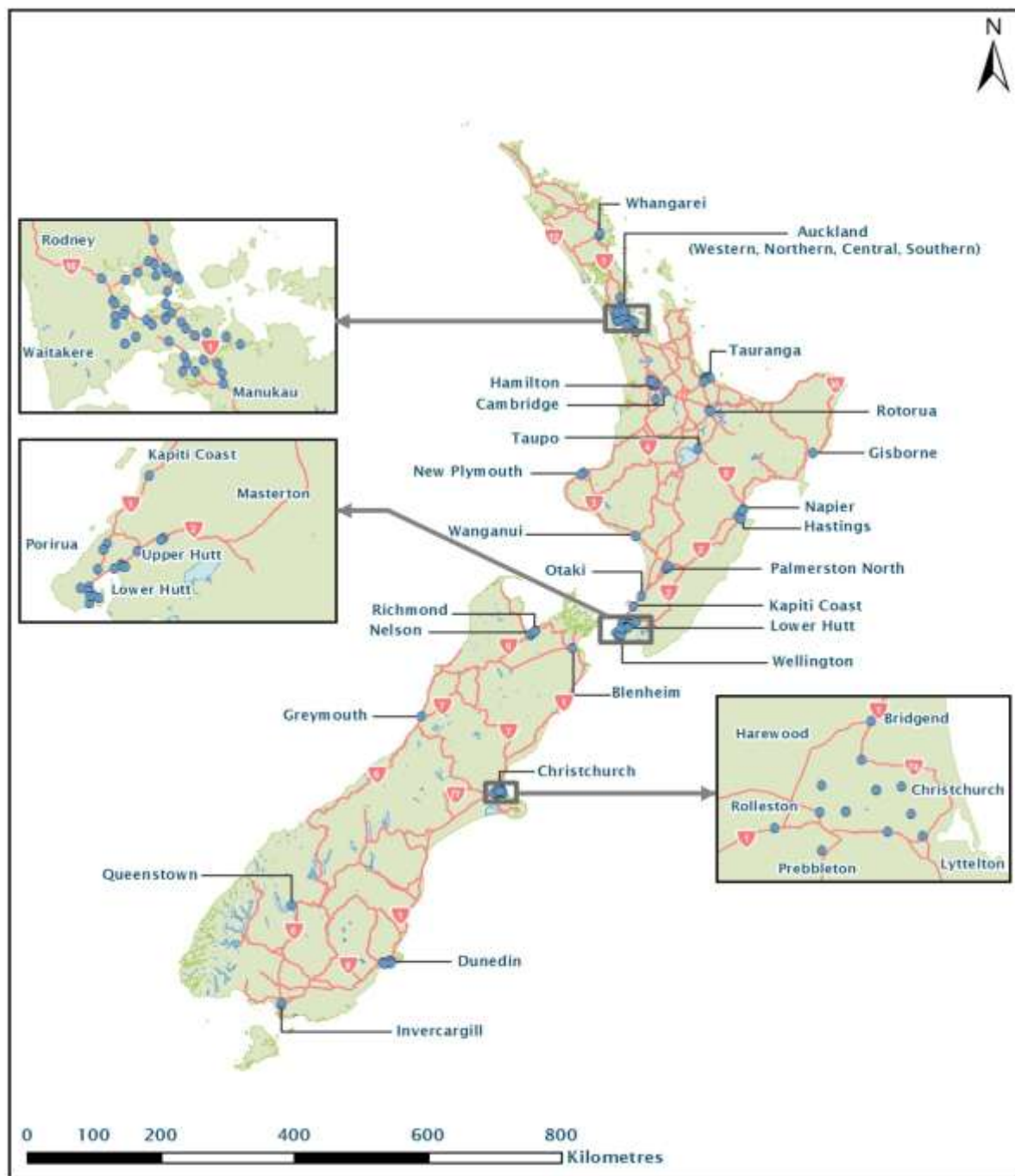


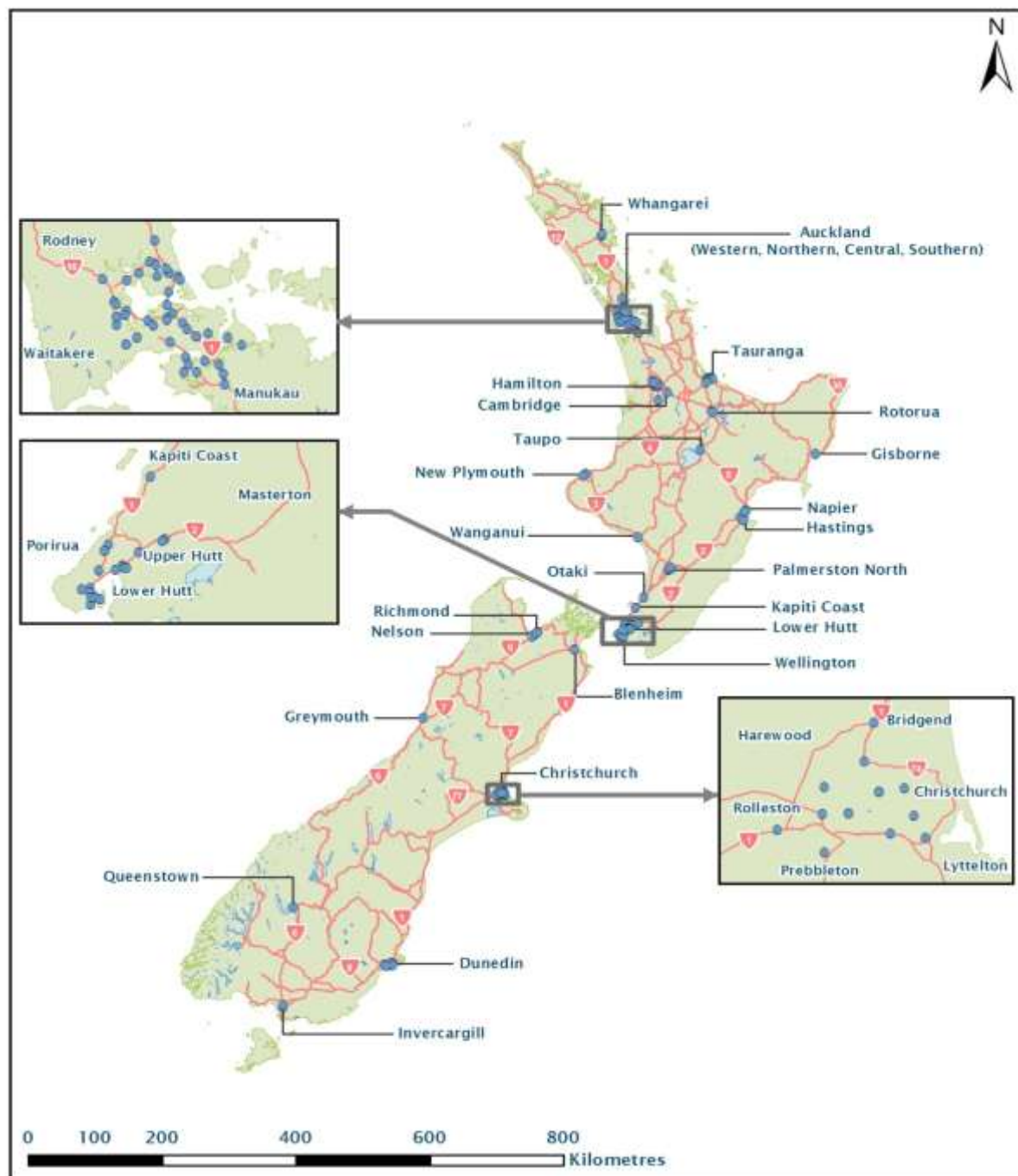
Figure 3: Map of the NZTA national nitrogen dioxide monitoring network in 2009



**Figure 4: Map of the NZTA national nitrogen dioxide monitoring network in 2010**



**Figure 5: Map of the NZTA national nitrogen dioxide monitoring network in 2011**



**Figure 6: Map of the NZTA national nitrogen dioxide monitoring network in 2012**



Monitoring Zone  
**Whangarei**

**Site Name**

Selwyn Ave

**Site Code**

AUC001

**Region & Monitoring Zone**

Northland - Whangarei

**Area**

Woodhill

**Site Type**

SH

**Source**

Western Hills Dr

**Site Location**

Selwyn Ave  
Woodhill, Whangarei

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2629620	6607867

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1718908	6046054

**Nearest Sensitive Receptor & Location**

Residential Housing  
Western Hills Dr & Selwyn Ave

Distance (m)  
10

**Nearest SH & Local Road (m) with Direction**

SH 1      1      W

LR      350      SW

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.2

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Huia St

**Site Code**

AUC038

**Region & Monitoring Zone**

Northland - Whangarei

**Area**

Whau Valley

**Site Type**

Background

**Source**

-

**Site Location**

125 Whau Valley Rd  
Whau Valley, Whangarei

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2628530	6610570

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1717812	6048753

**Nearest Sensitive Receptor & Location**

Residential Housing  
Huia St

Distance (m)  
10

**Nearest SH & Local Road (m) with Direction**

SH 1	880	NE
------	-----	----

LR	95	NE
----	----	----

**National Network**

Y

**Intersection**

N

**Other Site Information**

Relocated to AUC171

**Height Above Ground (m)**

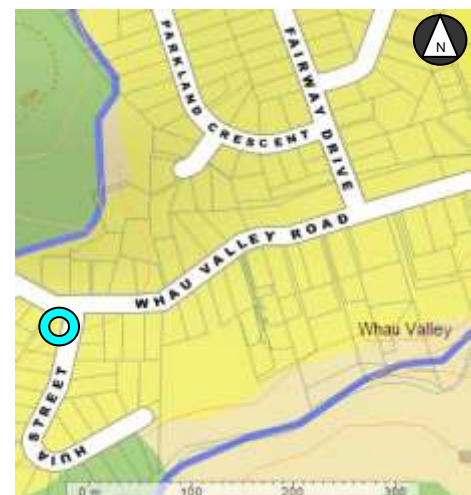
3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jun-09	Commissioned
Jul-10	Decommissioned



**Site Name**

Korau Rd

**Site Code**

AUC171

**Region & Monitoring Zone**

Northland - Whangarei

**Area**

Tikipunga

**Site Type**

Background

**Source**

-

**Site Location**

7 Korau Rd  
Tikipunga, Whangarei

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2630896	6611323

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1720175	6049513

**Nearest Sensitive Receptor & Location**

Residential Housing  
Korau Rd

Distance (m)  
5

**Nearest SH & Local Road (m) with Direction**

SH 1	1535	W
------	------	---

LR	80	W
----	----	---

**National Network**

Y

**Intersection**

N

**Other Site Information**

Relocated from AUC038

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jul-10 Commissioned



Monitoring Zone  
**Auckland - Northern**

**Site Name**

Tauranga Pl

**Site Code**

AUC004

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Orewa

**Site Type**

Local (previously SH)

**Source**

Grand Dr (previously SH 1A)

**Site Location**Tauranga Pl  
Orewa, Rodney**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2660555	6511080

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1750060	5949364

**Nearest Sensitive Receptor & Location**Residential Housing  
Tauranga PlDistance (m)  
50**Nearest SH & Local Road (m) with Direction**

SH 1      1220      W

LR      1      N

**National Network**

Y

**Intersection**

N

**Other Site Information**

Northern Motorway Extension (ALPURT B2) completed 25-Jan-09 the SH was at 1m N and LR was at 895m E.

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**Jan-07      Commissioned  
Classed as a SH site from 2007 to 2008.

**Site Name**

Fairview Ave

**Site Code**

AUC005

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Albany

**Site Type**

Local

**Source**

Oteha Valley Rd

**Site Location**Fairview Ave  
Albany, North Shore**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2663528	6496869

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1753063	5935161

**Nearest Sensitive Receptor & Location**Fairview Retirement Village  
21 Fairview AveDistance (m)  
120**Nearest SH & Local Road (m) with Direction**

SH 1      160      W

LR      2      S

**National Network**

Y

**Intersection**

N

**Other Site Information**

Northern Busway

**Height Above Ground (m)**

2.1

**Nearest Tree (m)**

6.0

**Monitoring Note(s)**

Feb-07      Commissioned



**Site Name**

Curry Ln

**Site Code**

AUC006

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Westlake

**Site Type**

SH

**Source**

Northern Motorway

**Site Location**

133 Wairau Rd  
Westlake, North Shore

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2665949	6490649	<b>NZTM</b>	1755497	5928947

**Nearest Sensitive Receptor & Location**

Retail Area	Distance (m)
133 Wairau Rd	25

**Nearest SH & Local Road (m) with Direction**

SH 1	5	E	LR	35	N
------	---	---	----	----	---

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Northern Busway. Tristram Ave off ramp 5m. SH1 45m.  
Relocated to AUC170.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

25.0

**Monitoring Note(s)**

Jan-07 Commissioned  
Jul-09 Decommissioned





**Site Name**

Sulphur Beach Rd

**Site Code**

AUC007

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Northcote

**Site Type**

SH

**Source**

Northern Motorway

**Site Location**Sulphur Beach Rd & Tennyson St  
Northcote, North Shore**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2666507	6485635	<b>NZTM</b>	1756065	5923935

**Nearest Sensitive Receptor & Location**Residential Housing  
Sulphur Beach Rd & Tennyson StDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 1      11      E      LR      610      N

**National Network**

Y

**Intersection**

N

**Other Site Information**

Northern Busway. Stafford Rd off ramp 11m. SH1 30m.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Ashby Pl

**Site Code**

AUC039

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Unsworth Heights

**Site Type**

SH

**Source**

Albany Highway

**Site Location**

2 Ashby Place  
Unsworth Heights, North Shore

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2662473	6492209

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1752018	5930500

**Nearest Sensitive Receptor & Location**

Residential Housing  
Ashby Pl

Distance (m)  
8

**Nearest SH & Local Road (m) with Direction**

SH 18	60	NW
-------	----	----

LR	330	E
----	-----	---

**National Network**

Y

**Intersection**

N

**Other Site Information**

Albany Hwy on ramp 60m. SH1 100m.

**Height Above Ground (m)**

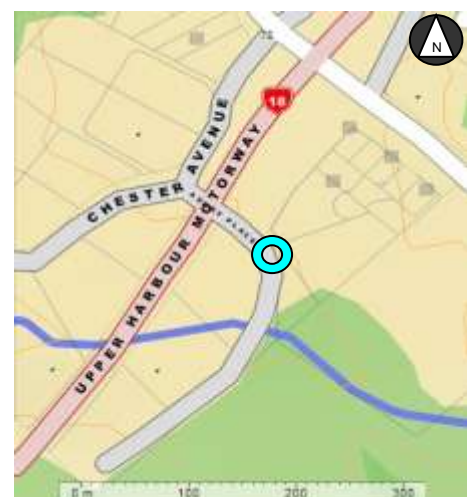
2.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-09 Commissioned



**Site Name**

William Pitcher Pl

**Site Code**

AUC040

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Greenhithe

**Site Type**

SH

**Source**

Upper Harbour Dr

**Site Location**2 William Pitcher Pl  
Greenhithe, North Shore**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2660205	6489783

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1749755	5928069

**Nearest Sensitive Receptor & Location**Residential Housing  
William Pitcher PlDistance (m)  
15**Nearest SH & Local Road (m) with Direction**

SH 18    12    NW

LR    270    W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Tauhinu Rd on ramp 12m. SH1 60m.

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-09    Commissioned



**Site Name**

Sunset Rd

**Site Code**

AUC041

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Glenfield

**Site Type**

Local

**Source**

Glenfield Rd

**Site Location**

618 Glenfield Rd  
Glenfield, North Shore

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2663844	6491482	<b>NZTM</b>	1753390	5929775

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Glenfield Rd	5

**Nearest SH & Local Road (m) with Direction**

SH 18	1115	NW	LR	1	E
-------	------	----	----	---	---

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

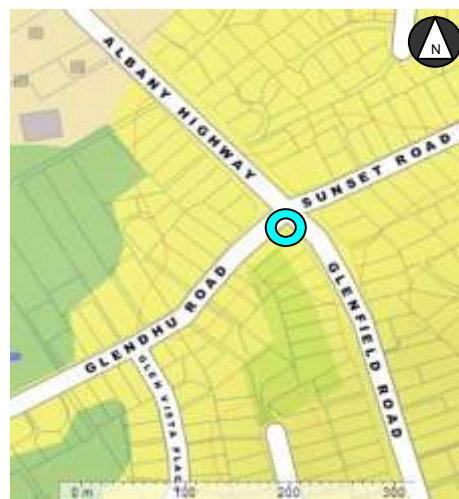
3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-09 Commissioned



**Site Name**

Service Ln

**Site Code**

AUC042

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Takapuna

**Site Type**

Local

**Source**

Lake Rd

**Site Location**486 Lake Rd  
Takapuna, North Shore**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2668527	6488832

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1758078	5927136

**Nearest Sensitive Receptor & Location**Retail Area  
Lake RdDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 1      1590      W

LR      1      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Previously monitored by North Shore City Council

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Apr-09      Commissioned



**Site Name**

Wairau Rd (AC Takapuna)

**Site Code**

AUC043 - AUC045

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Takapuna

**Site Type**

SH

**Source**

Northern Motorway

**Site Location**2 Wairau Rd  
Takapuna, North Shore**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2666520	6489771

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1756069	5928070

**Nearest Sensitive Receptor & Location**Residential Housing  
Wairau Rd /Westlake Girls High SchoolDistance (m)  
50**Nearest SH & Local Road (m) with Direction**

SH 1      50      W

LR      45      N

**National Network**

Y

**Intersection**

N

**Other Site Information**

AQ Station. Co-located in triplicate. Inside Westlake Girls High School.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Apr-09      Commissioned



**Site Name**

Esmonde Rd

**Site Code**

AUC046

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Takapuna

**Site Type**

Local

**Source**

Lake Rd

**Site Location**

384 Lake Rd  
Takapuna, North Shore



**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2668876	6488287

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1758428	5926591

**Nearest Sensitive Receptor & Location**

Residential Housing  
Lake Rd

Distance (m)  
5

**Nearest SH & Local Road (m) with Direction**

SH 1      1425      W

LR          2              SW

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Previously monitored by North Shore City Council

**Height Above Ground (m)**

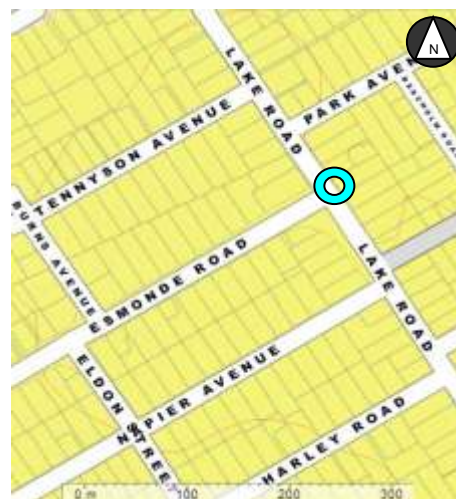
3.0

**Nearest Tree (m)**

1.0

**Monitoring Note(s)**

Apr-09      Commissioned



**Site Name**

Woodcote Dr

**Site Code**

AUC047

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Marlborough

**Site Type**

Background

**Source**

-

**Site Location**21 High Rd  
Marlborough, North Shore**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2664145	6489081

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1753696	5927375

**Nearest Sensitive Receptor & Location**Residential Housing  
High RdDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 1      2530      E

LR      60      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Apr-09      Commissioned





**Site Name**

Tristram Ave

**Site Code**

AUC170

**Region & Monitoring Zone**

Auckland - Northern

**Area**

Westlake

**Site Type**

SH

**Source**

Northern Motorway

**Site Location**133 Wairau Rd  
Westlake, North Shore**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2665934	6490675

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1755482	5928973

**Nearest Sensitive Receptor & Location**

Retail Area	Distance (m)
133 Wairau Rd	25

**Nearest SH & Local Road (m) with Direction**

SH 1	5	E	LR	5	N
------	---	---	----	---	---

**National Network**

Y

**Intersection**

Y

**Other Site Information**Northern Busway. Tristram Ave off ramp 5m. SH1 45m.  
Relocated from AUC006.**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

25.0

**Monitoring Note(s)**

Jul-09      Commissioned



Monitoring Zone  
**Auckland - Western**

**Site Name**

Cedar Heights Ave

**Site Code**

AUC020

**Region & Monitoring Zone**

Auckland - Western

**Area**

Massey East

**Site Type**

SH

**Source**

North Western Motorway

**Site Location**7 Cedar Heights Ave  
Massey East, Waitakere**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2655038	6483515

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1744601	5921792

**Nearest Sensitive Receptor & Location**Residential Housing  
Cedar Heights AveDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 16    90    W

LR    170    SW

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

2.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jan-07    Commissioned



**Site Name**

Te Atatu Rd

**Site Code**

AUC048

**Region & Monitoring Zone**

Auckland - Western

**Area**

Te Atatu

**Site Type**

SH

**Source**

North Western Motorway

**Site Location**

Te Atatu Rd - Near On Ramp  
Te Atatu, Waitakere



**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2657695	6481567

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1747262	5919849

**Nearest Sensitive Receptor & Location**

Residential Housing  
Titoki St

Distance (m)  
40

**Nearest SH & Local Road (m) with Direction**

SH 16      2              W

LR            2                      W

**National Network**

Y

**Intersection**

N

**Other Site Information**

Te Atatu Rd on ramp 2m. SH1 150m.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

30.0

**Monitoring Note(s)**

Apr-09      Commissioned



**Site Name**

Carnegie Cres

**Site Code**

AUC049

**Region & Monitoring Zone**

Auckland - Western

**Area**

Hobsonville

**Site Type**

Local (previously SH)

**Source**

Hobsonville Rd (previously SH 18)

**Site Location**429 Hobsonville Rd  
Hobsonville, Waitakere**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2657691	6488128	<b>NZTM</b>	1747244	5926410

**Nearest Sensitive Receptor & Location**Residential Housing  
Carnegie CresDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 18      280      NW      LR      10      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Hobsonville Deviation Motorway completed 7-Aug-11 (SH 18 relocated) the SH was at 10m N and the LR was at 710m W.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**Jul-09      Commissioned  
Classed as a SH site from 2009 to 2011

**Site Name**

Kennedys Rd

**Site Code**

AUC050

**Region & Monitoring Zone**

Auckland - Western

**Area**

Whenuapai

**Site Type**

SH

**Source**

SH 16

**Site Location**

220A SH16

Whenuapai, Waitakere

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2652704	6488432

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1742258	5926703

**Nearest Sensitive Receptor & Location**Residential Housing  
SH16Distance (m)  
7**Nearest SH & Local Road (m) with Direction**

SH 16    4    NE

LR    155    SE

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

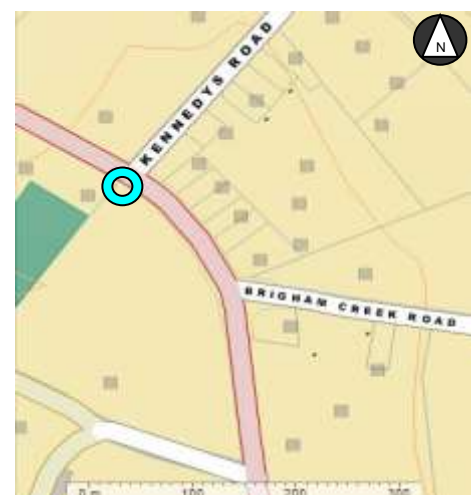
3.0

**Nearest Tree (m)**

4.0

**Monitoring Note(s)**

Apr-09    Commissioned



**Site Name**

Taitapu St

**Site Code**

AUC051

**Region & Monitoring Zone**

Auckland - Western

**Area**

Massey East

**Site Type**

SH

**Source**

North Western Motorway

**Site Location**

2 Taitapu St  
Massey East, Waitakere

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2655457	6483024

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1745021	5921302

**Nearest Sensitive Receptor & Location**

Residential Housing  
Taitapu St

Distance (m)  
8

**Nearest SH & Local Road (m) with Direction**

SH 16	70	SW
-------	----	----

LR	195	SW
----	-----	----

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

2.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Apr-09    Commissioned



**Site Name**

Hickory Ave

**Site Code**

AUC052

**Region & Monitoring Zone**

Auckland - Western

**Area**

Henderson

**Site Type**

Local

**Source**

Henderson Valley Rd

**Site Location**26 Henderson Valley Rd  
Henderson, Waitakere**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2655614	6478512

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1745187	5916791

**Nearest Sensitive Receptor & Location**Residential Housing  
Henderson Valley RdDistance (m)  
15**Nearest SH & Local Road (m) with Direction**

SH 16    3450    NE

LR    5    W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

3.0

**Monitoring Note(s)**

Apr-09    Commissioned





**Site Name**

Edmonton Rd

**Site Code**

AUC053

**Region & Monitoring Zone**

Auckland - Western

**Area**

Te Atatu South

**Site Type**

Local

**Source**

Te Atatu Rd

**Site Location**

237 Te Atatu Rd  
Te Atatu South, Waitakere

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2657266	6480529

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1746835	5918811

**Nearest Sensitive Receptor & Location**

Residential Housing  
Te Atatu Rd

Distance (m)  
5

**Nearest SH & Local Road (m) with Direction**

SH 16	930	NE
-------	-----	----

LR	3	W
----	---	---

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

4.0

**Monitoring Note(s)**

Apr-09 Commissioned



**Site Name**

Henderson Intermediate (AC Henderson)

**Site Code**

AUC054 - AUC056

**Region & Monitoring Zone**

Auckland - Western

**Area**

Henderson

**Site Type**

Local

**Source**

Lincoln Rd

**Site Location**70 Lincoln Rd  
Henderson, Waitakere**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2655573	6480252

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1745143	5918530

**Nearest Sensitive Receptor & Location**Henderson Intermediate  
70 Lincoln RdDistance (m)  
20**Nearest SH & Local Road (m) with Direction**

SH 16    2095    NE

LR    7    E

**National Network**

Y

**Intersection**

N

**Other Site Information**

AQ Station. Co-located in triplicate. Inside Henderson Intermediate.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

8.0

**Monitoring Note(s)**

Apr-09    Commissioned



**Site Name**

AC Glen Eden

**Site Code**

AUC057 - AUC059

**Region & Monitoring Zone**

Auckland - Western

**Area**

Glen Eden

**Site Type**

Background

**Source**

-

**Site Location**50 Meadowvale Rise  
Glen Eden , Waitakere**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2657567	6474197	<b>NZTM</b>	1747149	5912480

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Meadowvale Rise	10

**Nearest SH & Local Road (m) with Direction**

SH 16	6160	NE	LR	250	W
-------	------	----	----	-----	---

**National Network**

Y

**Intersection**

N

**Other Site Information**

AQ Station. Co-located in triplicate. Inside Ceramco Park.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Apr-09    Commissioned



**Site Name**

Rata St

**Site Code**

AUC063

**Region & Monitoring Zone**

Auckland - Western

**Area**

New Lynn

**Site Type**

Local

**Source**

Great North Rd

**Site Location**

2 Rata St  
New Lynn, Waitakere

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2659865	6475658

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1749443	5913945

**Nearest Sensitive Receptor & Location**

Residential Housing  
Rata St

Distance (m)  
3

**Nearest SH & Local Road (m) with Direction**

SH 20      4140      E

LR          10          S

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

3.0

**Monitoring Note(s)**

Apr-09      Commissioned



Monitoring Zone  
**Auckland - Central**

**Site Name**

St Mary's Bay Rd

**Site Code**

AUC008

**Region & Monitoring Zone**

Auckland - Central

**Area**

St Mary's Bay

**Site Type**

SH

**Source**

Northern Motorway

**Site Location**82 St Mary's Bay Rd  
St Mary's Bay, Auckland**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2666098	6482839

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1755662	5921138

**Nearest Sensitive Receptor & Location**Residential Housing  
St Mary's Bay Rd & Swift AveDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 1      70      NE

LR      280      W

**National Network**

Y

**Intersection**

N

**Other Site Information**

Victoria Park Tunnel Project

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Canada St

**Site Code**

AUC009

**Region & Monitoring Zone**

Auckland - Central

**Area**

Newton

**Site Type**

SH

**Source**

CMJ

**Site Location**

2 Canada St  
Newton, Auckland

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2667244	6480975	<b>NZTM</b>	1756811	5919276

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Canada St	20

**Nearest SH & Local Road (m) with Direction**

SH 1	20	S	LR	130	E
------	----	---	----	-----	---

**National Network**

Y

**Intersection**

N

**Other Site Information**

Central Motorway Junction 2 Project

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Mt Hobson Rd

**Site Code**

AUC011

**Region & Monitoring Zone**

Auckland - Central

**Area**

Remuera

**Site Type**

SH

**Source**

Southern Motorway

**Site Location**

12 Mt Hobson Rd  
Remuera, Auckland



**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2669398	6478800

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1758969	5917106

**Nearest Sensitive Receptor & Location**

Residential Housing  
Mt Hobson Rd

Distance (m)  
10

**Nearest SH & Local Road (m) with Direction**

SH 1      10      W

LR      390      NE

**National Network**

Y

**Intersection**

N

**Other Site Information**

Newmarket Viaduct Project

**Height Above Ground (m)**

2.0

**Nearest Tree (m)**

2.0

**Monitoring Note(s)**

Jan-07      Commissioned





**Site Name**

Gavin St b (AC/MfE Penrose)

**Site Code**

AUC013 - AUC015

**Region & Monitoring Zone**

Auckland - Central

**Area**

Penrose

**Site Type**

SH

**Source**

Southern Motorway

**Site Location**19 Gavin St  
Penrose, Auckland**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2672180	6475859

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1761757	5914171

**Nearest Sensitive Receptor & Location**Residential Housing  
Gavin StDistance (m)  
45**Nearest SH & Local Road (m) with Direction**

SH 1      100      SW

LR      210      NE

**National Network**

Y

**Intersection**

N

**Other Site Information**

AQ Station. Co-located in triplicate.

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Waterbank Cres

**Site Code**

AUC021

**Region & Monitoring Zone**

Auckland - Central

**Area**

Waterview

**Site Type**

Background

**Source**

-

**Site Location**18 Waterbank Cres  
Waterview, Auckland**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2662113	6479451

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1751684	5917742

**Nearest Sensitive Receptor & Location**Residential Housing  
Waterbank CresDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 16      150      N

LR          260          E

**National Network**

Y

**Intersection**

N

**Other Site Information**

Moved across the road (15m W) Sep-09.

**Height Above Ground (m)**

2.0

**Nearest Tree (m)**

2.0

**Monitoring Notes(s)**

Jan-07      Commissioned



**Site Name**

Niger St

**Site Code**

AUC022

**Region & Monitoring Zone**

Auckland - Central

**Area**

Arch Hill

**Site Type**

SH

**Source**

North Western Motorway

**Site Location**

Opposite 10 Niger St  
Arch Hill, Auckland

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2666148	6480098

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1755717	5918398

**Nearest Sensitive Receptor & Location**

Residential Housing  
Niger St

Distance (m)  
10

**Nearest SH & Local Road (m) with Direction**

SH 16	32	SE
-------	----	----

LR	110	W
----	-----	---

**National Network**

Y

**Intersection**

N

**Other Site Information**

Central Motorway Junction 2 Project

**Height Above Ground (m)**

2.0

**Nearest Tree (m)**

2.0

**Monitoring Notes(s)**

Jan-07      Commissioned



**Site Name**

Melrose Rd

**Site Code**

AUC025

**Region & Monitoring Zone**

Auckland - Central

**Area**

Hillsborough

**Site Type**

SH

**Source**

Hugh Watt Dr

**Site Location**

58 Melrose Rd  
Hillsborough, Auckland

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2666666	6474657

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1756246	5912958

**Nearest Sensitive Receptor & Location**

Residential Housing  
Melrose Rd

Distance (m)  
5

**Nearest SH & Local Road (m) with Direction**

SH 20	40	NE
-------	----	----

LR	215	NE
----	-----	----

**National Network**

Y

**Intersection**

N

**Other Site Information**

Mt Roskill Project

**Height Above Ground (m)**

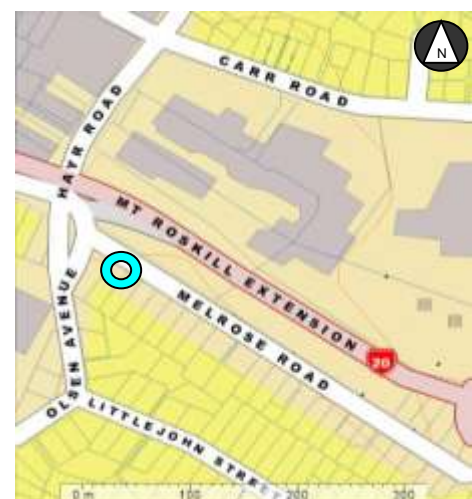
2.0

**Nearest Tree (m)**

2.0

**Monitoring Notes(s)**

Jan-07      Commissioned



**Site Name**

Mount Albert Rd

**Site Code**

AUC060

**Region & Monitoring Zone**

Auckland - Central

**Area**

Mt Albert

**Site Type**

Local

**Source**

New North Rd

**Site Location**912 New North Rd  
Mt Albert, Auckland**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2663310	6478296

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1752882	5916590

**Nearest Sensitive Receptor & Location**Retail Area  
Mount Albert RdDistance (m)  
3**Nearest SH & Local Road (m) with Direction**

SH 16    1515    N

LR    1    N

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Apr-09    Commissioned



**Site Name**

Green Ln East

**Site Code**

AUC061

**Region & Monitoring Zone**

Auckland - Central

**Area**

Greenlane

**Site Type**

Local

**Source**

Great South Rd

**Site Location**156 Green Ln East  
Greenlane, Auckland**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2670351	6477470

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1759925	5915778

**Nearest Sensitive Receptor & Location**Retail Area  
Green Ln EastDistance (m)  
8**Nearest SH & Local Road (m) with Direction**

SH 1      255      NE

LR      2      NW

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Apr-09      Commissioned



**Site Name**

Mountain Rd

**Site Code**

AUC062

**Region & Monitoring Zone**

Auckland - Central

**Area**

Panmure

**Site Type**

Local

**Source**

Ellerslie Panmure Highway

**Site Location**2 Mountain Rd  
Panmure, Auckland**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2674732	6476629

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1764307	5914946

**Nearest Sensitive Receptor & Location**Residential Housing  
Mountain RdDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 1      2300      SW

LR      3      S

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-09      Commissioned



**Site Name**

Kowhai Intermediate (MfE Kingsland)

**Site Code**

AUC064

**Region & Monitoring Zone**

Auckland - Central

**Area**

Kingsland

**Site Type**

Local

**Source**

Sandringham Rd

**Site Location**2 Sandringham Rd  
Kingsland, Auckland**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2666122	6479510

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1755692	5917809

**Nearest Sensitive Receptor & Location**Kowhai Intermediate  
2 Sandringham RdDistance (m)  
2**Nearest SH & Local Road (m) with Direction**

SH 16      470      N

LR          4          W

**National Network**

Y

**Intersection**

N

**Other Site Information**

Old AQ Station. Near Kowhai Intermediate.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Apr-09      Commissioned





**Site Name**

Mangere Rd

**Site Code**

AUC071

**Region & Monitoring Zone**

Auckland - Central

**Area**

Otahuhu

**Site Type**

Local

**Source**

Mangere Rd

**Site Location**84 Walmsley Rd  
Otahuhu, Auckland**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2674098	6470602

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1763685	5908918

**Nearest Sensitive Receptor & Location**Residential Housing  
Walmsley RdDistance (m)  
3**Nearest SH & Local Road (m) with Direction**

SH 1      1670      E

LR      1      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

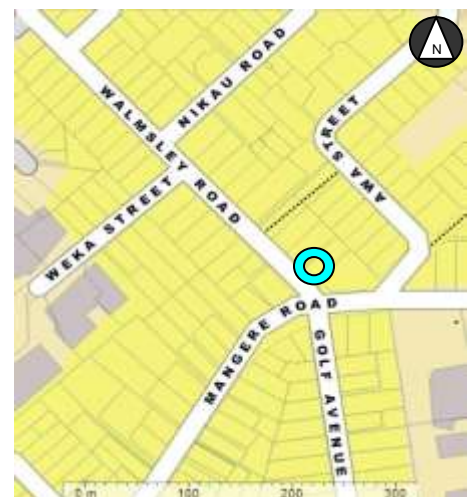
3.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Apr-09      Commissioned



Monitoring Zone  
**Auckland - Southern**

**Site Name**

Waimate St

**Site Code**

AUC018

**Region & Monitoring Zone**

Auckland - Southern

**Area**

Flat Bush

**Site Type**

SH

**Source**

Southern Motorway

**Site Location**21 Waimate St  
Flat Bush, Manukau**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2677870	6467724

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1767463	5906047

**Nearest Sensitive Receptor & Location**Residential Housing  
Waimate StDistance (m)  
20**Nearest SH & Local Road (m) with Direction**

SH 1      60      W

LR      250      E

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Liggett Dr

**Site Code**

AUC019

**Region & Monitoring Zone**

Auckland - Southern

**Area**

Manukau

**Site Type**

SH

**Source**

Southern Motorway

**Site Location**

Liggett Dr  
Manukau, Manukau

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2678116	6465479	<b>NZTM</b>	1767713	5903803

**Nearest Sensitive Receptor & Location**

Retirement Village	Distance (m)
Liggett Dr	10

**Nearest SH & Local Road (m) with Direction**

SH 1	100	NE	LR	60	E
------	-----	----	----	----	---

**National Network**

Y

**Intersection**

N

**Other Site Information**

SH20 to SH1 Manukau Extension. Manukau off ramp 100m.  
SH1 480m.

**Height Above Ground (m)**

2.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Jan-07 Commissioned



**Site Name**

Hastie Ave

**Site Code**

AUC026

**Region & Monitoring Zone**

Auckland - Southern

**Area**

Mangere Bridge

**Site Type**

SH

**Source**

South Western Motorway

**Site Location**

24 Hastie Ave  
Mangere Bridge, Manukau

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2669984	6471354	<b>NZTM</b>	1759570	5909661

**Nearest Sensitive Receptor & Location**

Residential Housing  
Hastie Ave

Distance (m)  
5

**Nearest SH & Local Road (m) with Direction**

SH 20	25	E	LR	270	E
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**National Network**

Y

**Intersection**

N

**Other Site Information**

Manukau Harbour Crossing Project. Previously monitored by ARC

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

5.0

**Monitoring Notes(s)**

Jan-07 Commissioned



**Site Name**

Ashmore Pl

**Site Code**

AUC027

**Region & Monitoring Zone**

Auckland - Southern

**Area**

Mangere

**Site Type**

SH

**Source**

South Western Motorway

**Site Location**17 Ashmore Pl  
Mangere, Manukau**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2670600	6469774

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1760189	5908083

**Nearest Sensitive Receptor & Location**Residential Housing  
Ashmore PlDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 20      20      W

LR      490      E

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

2.0

**Nearest Tree (m)**

10.0

**Monitoring Notes(s)**

Jan-07      Commissioned



**Site Name**

Ensor Pl

**Site Code**

AUC067

**Region & Monitoring Zone**

Auckland - Southern

**Area**

Mangere East

**Site Type**

SH

**Source**

South Western Motorway

**Site Location**

5 Ensor Pl  
Mangere East, Manukau



**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2672252	6468208

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1761844	5906521

**Nearest Sensitive Receptor & Location**

Residential Housing  
Ensor Pl

Distance (m)  
6

**Nearest SH & Local Road (m) with Direction**

SH 20      20      W

LR      85      NW

**National Network**

Y

**Intersection**

N

**Other Site Information**

Massey Rd on ramp 20m. SH20 40m.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Jul-09      Commissioned



**Site Name**

Kirkbride Rd

**Site Code**

AUC068

**Region & Monitoring Zone**

Auckland - Southern

**Area**

Mangere

**Site Type**

SH

**Source**

George Bolt Dr

**Site Location**244 Kirkbride Rd  
Mangere, Manukau**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2669701	6468243

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1759293	5906550

**Nearest Sensitive Receptor & Location**Mangere Central School  
244 Kirkbride RdDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 20A    2            W

LR            2            S

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**

Jul-09      Commissioned





**Site Name**

Otara Rd

**Site Code**

AUC069

**Region & Monitoring Zone**

Auckland - Southern

**Area**

Otara

**Site Type**

Local

**Source**

Bairds Rd

**Site Location**36 Otara Rd  
Otara, Manukau**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2676946	6469774

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1766535	5908095

**Nearest Sensitive Receptor & Location**Congregational Church  
36 Otara RdDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 1      605      SW

LR      10      N

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

3.0

**Monitoring Note(s)**

Apr-09      Commissioned



**Site Name**

Dominion Rd

**Site Code**

AUC070

**Region & Monitoring Zone**

Auckland - Southern

**Area**

Papakura

**Site Type**

Local

**Source**

Dominion Rd

**Site Location**136 Settlement Rd  
Papakura, Manukau**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2685128	6457727

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1774740	5896065

**Nearest Sensitive Receptor & Location**Residential Housing  
Settlement RdDistance (m)  
25**Nearest SH & Local Road (m) with Direction**

SH 1      3440      W

LR      5      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

12.0

**Monitoring Note(s)**

Apr-09      Commissioned



**Site Name**

Bell Reserve (AC Pakuranga)

**Site Code**

AUC072

**Region & Monitoring Zone**

Auckland - Southern

**Area**

Pakuranga

**Site Type**

Local

**Source**

Pakuranga Rd

**Site Location**264A Pakuranga Rd  
Pakuranga, Manukau**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2678835	6475617

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1768412	5913942

**Nearest Sensitive Receptor & Location**Residential Housing  
Pakuranga RdDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 1      4320      W

LR      3      S

**National Network**

Y

**Intersection**

N

**Other Site Information**

AQ Station. Inside Bell Reserve.

**Height Above Ground (m)**

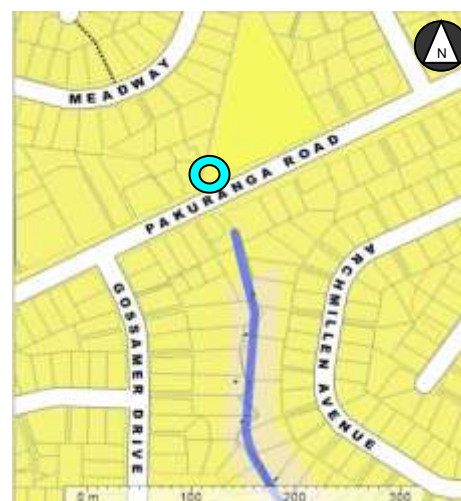
3.0

**Nearest Tree (m)**

8.0

**Monitoring Note(s)**

Apr-09      Commissioned



**Site Name**

AC Botany

**Site Code**

AUC073

**Region & Monitoring Zone**

Auckland - Southern

**Area**

Botany

**Site Type**

Background

**Source**

-

**Site Location**14 Oakridge Way  
Botany, Manukau**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2681790	6474028

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1771370	5912359

**Nearest Sensitive Receptor & Location**Our Lady Star of the Sea School  
14 Oakridge WayDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 1      7040      W

LR      250      SE

**National Network**

Y

**Intersection**

N

**Other Site Information**

AQ Station. Inside Our Lady Star of the Sea School.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Apr-09      Commissioned



Monitoring Zone  
**Hamilton**

**Site Name**

Morrinsville Rd

**Site Code**

HAM001

**Region & Monitoring Zone**

Waikato - Hamilton

**Area**

Hillcrest

**Site Type**

SH

**Source**

Cambridge Rd

**Site Location**

218 Cambridge Rd  
Hillcrest, Hamilton

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2714657	6375348	<b>NZTM</b>	1804416	5813725

**Nearest Sensitive Receptor & Location**

Hillcrest Normal School	Distance (m)
218 Cambridge Rd	40

**Nearest SH & Local Road (m) with Direction**

SH 1	3	N	LR	240	W
------	---	---	----	-----	---

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near Hillcrest Normal School

**Height Above Ground (m)**

3.8

**Nearest Tree (m)**

3.8

**Monitoring Note(s)**

Jan-07 Commissioned



**Site Name**

Grandview Rd

**Site Code**

HAM002

**Region & Monitoring Zone**

Waikato - Hamilton

**Area**

Nawton

**Site Type**

SH

**Source**

Avalon Dr

**Site Location**

64 Avalon Dr  
Nawton, Hamilton

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2708009	6378372	<b>NZTM</b>	1797762	5816739

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Grandview Rd	40

**Nearest SH & Local Road (m) with Direction**

SH 1	3	SW	LR	20	N
------	---	----	----	----	---

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.6

**Nearest Tree (m)**

21.8

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Ohaupo Rd

**Site Code**

HAM003

**Region & Monitoring Zone**

Waikato - Hamilton

**Area**

Melville

**Site Type**

SH

**Source**

Lorne St

**Site Location**

2 Lorne St  
Melville, Hamilton

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2710997	6374644

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1800756	5813015

**Nearest Sensitive Receptor & Location**

Retail Area  
Ohaupo Rd

Distance (m)  
2

**Nearest SH & Local Road (m) with Direction**

SH 1 & 3    1            N

LR            5            W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Near Waikato Public Hospital (350m NE)

**Height Above Ground (m)**

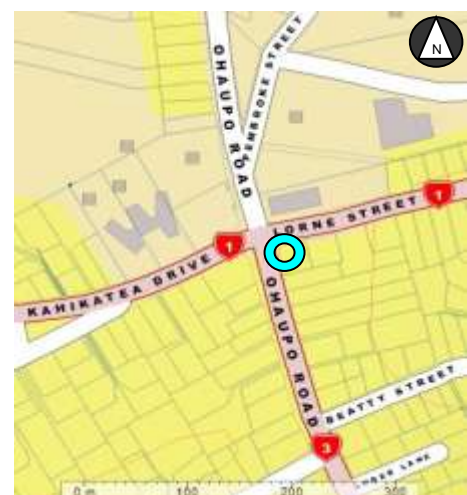
2.9

**Nearest Tree (m)**

23.0

**Monitoring Note(s)**

Jan-07    Commissioned





**Site Name**

Ann Michele St

**Site Code**

HAM012

**Region & Monitoring Zone**

Waikato - Hamilton

**Area**

Pukete

**Site Type**

SH

**Source**

Te Rapa Rd

**Site Location**1 Ann Michele St  
Pukete, Hamilton**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2705979	6382998

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1795724	5821363

**Nearest Sensitive Receptor & Location**Residential Housing  
Ann Michele StDistance (m)  
8**Nearest SH & Local Road (m) with Direction**

SH 1      4      E

LR      910      NE

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

2.8

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Killarney Rd

**Site Code**

HAM013

**Region & Monitoring Zone**

Waikato - Hamilton

**Area**

Frankton

**Site Type**

SH

**Source**

Greenwood St

**Site Location**10 Greenwood St  
Frankton, Hamilton**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2709300	6376176	<b>NZTM</b>	1799056	5814544

**Nearest Sensitive Receptor & Location**Residential Housing  
Killarney RdDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 1      1      W

LR      1      S

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.8

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Ulster St

**Site Code**

HAM014

**Region & Monitoring Zone**

Waikato - Hamilton

**Area**

Beerescourt

**Site Type**

Local

**Source**

Victoria St

**Site Location**1370 Victoria St  
Beerescourt, Hamilton**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2709543	6378964

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1799295	5817333

**Nearest Sensitive Receptor & Location**Residential Housing  
Victoria StDistance (m)  
31**Nearest SH & Local Road (m) with Direction**

SH 1      1670      SW

LR      1      S

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

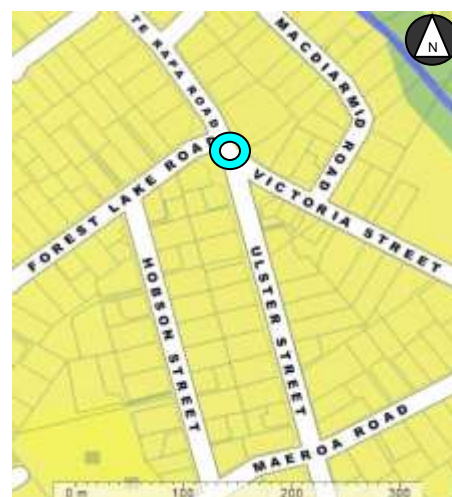
2.2

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Peachgrove Rd

**Site Code**

HAM015

**Region & Monitoring Zone**

Waikato - Hamilton

**Area**

Claudelands

**Site Type**

Local

**Source**

Brooklyn Rd

**Site Location**23 Brooklyn Rd  
Claudelands, Hamilton**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2712231	6378544

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1801984	5816917

**Nearest Sensitive Receptor & Location**Residential Housing  
Brooklyn RdDistance (m)  
20**Nearest SH & Local Road (m) with Direction**

SH 1      3400      S

LR      3      N

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.7

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Cobham Dr

**Site Code**

HAM016

**Region & Monitoring Zone**

Waikato - Hamilton

**Area**

Hamilton West

**Site Type**

Local

**Source**

Bridge St

**Site Location**83 Anglesea St  
Hamilton West, Hamilton**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2711466	6376236

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1801223	5814608

**Nearest Sensitive Receptor & Location**Residential Housing  
Anglesea StDistance (m)  
7**Nearest SH & Local Road (m) with Direction**

SH 1      1190      S

LR      1      SE

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.6

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Seamer Pl

**Site Code**

HAM017

**Region & Monitoring Zone**

Waikato - Hamilton

**Area**

St Andrews

**Site Type**

Background

**Source**

-

**Site Location**

19 Seamer Pl  
St Andrews, Hamilton

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2708938	6380769

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1798688	5819138

**Nearest Sensitive Receptor & Location**

Residential Housing  
Seamer Pl

Distance (m)  
10

**Nearest SH & Local Road (m) with Direction**

SH 1      1665      W

LR      93      E

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

2.9

**Nearest Tree (m)**

8.0

**Monitoring Note(s)**

Apr-10      Commissioned



Monitoring Zone  
**Cambridge**

**Site Name**

Queen St

**Site Code**

HAM004

**Region & Monitoring Zone**

Waikato - Cambridge

**Area**

Cambridge

**Site Type**

SH

**Source**

Victoria St

**Site Location**78 Victoria St  
Cambridge**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2727212	6364959

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1816991	5803351

**Nearest Sensitive Receptor & Location**Food Complex  
78 Queen StDistance (m)  
15**Nearest SH & Local Road (m) with Direction**

SH 1      1      S

LR      30      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.9

**Nearest Tree (m)**

23.4

**Monitoring Note(s)**

Jan-07      Commissioned





Monitoring Zone  
**Te Awamutu**

**Site Name**

Albert Park Dr

**Site Code**

HAM022

**Region & Monitoring Zone**

Waikato - Te Awamutu

**Area**

Te Awamutu

**Site Type**

SH

**Source**

Ohaupo Rd

**Site Location**

45 Ohaupo Rd

Te Awamutu

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2714699	6352469

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1804490	5790839

**Nearest Sensitive Receptor & Location**

Residential Housing

Ohaupo Rd

Distance (m)

5

**Nearest SH & Local Road (m) with Direction**

SH 3      1      NE

LR      80      S

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

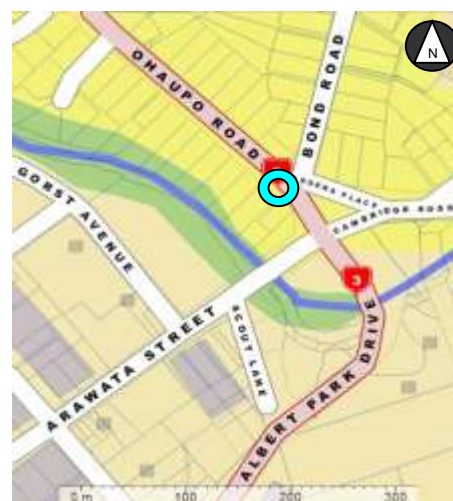
3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

May-10      Commissioned



Monitoring Zone

**Taupo**

**Site Name**

Norman Smith St

**Site Code**

HAM005

**Region & Monitoring Zone**

Waikato - Taupo

**Area**

Taupo

**Site Type**

SH

**Source**

Tongariro St

**Site Location**

Intersection of Norman Smith St & Tongariro St  
Taupo

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2777082	6275859	<b>NZTM</b>	1866997	5714268

**Nearest Sensitive Receptor & Location**

Residential Housing  
Sinton Row

Distance (m)  
60

**Nearest SH & Local Road (m) with Direction**

SH 1      2      E

LR      5      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.5

**Nearest Tree (m)**

24.0

**Monitoring Note(s)**

Jan-07      Commissioned



Monitoring Zone  
**Tauranga**

**Site Name**

Cameron Rd

**Site Code**

HAM007

**Region & Monitoring Zone**

Bay of Plenty - Tauranga

**Area**

Tauranga South

**Site Type**

SH

**Source**

Fifteenth Ave

**Site Location**211 Fifteenth Ave  
Tauranga South, Tauranga**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2788264	6383905



	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1878044	5822402

**Nearest Sensitive Receptor & Location**Tauranga Boys College  
728 Cameron RdDistance (m)  
45**Nearest SH & Local Road (m) with Direction**

SH 2A    2    SW

LR    2    SE

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Opposite Tauranga Boys College. Pre December 2009 SH2.

**Height Above Ground (m)**

2.9

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Jan-07    Commissioned



**Site Name**

Golf Rd

**Site Code**

HAM008

**Region & Monitoring Zone**

Bay of Plenty - Tauranga

**Area**

Mt Maunganui

**Site Type**

SH

**Source**

Maunganui Rd

**Site Location**Opp 566 Maunganui Rd  
Mt Maunganui, Tauranga**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2793133	6388054	<b>NZTM</b>	1882910	5826562

**Nearest Sensitive Receptor & Location**

Mt Maunganui Intermediate School	Distance (m)
565 Maunganui Rd	30

**Nearest SH & Local Road (m) with Direction**

SH 2	2	SW	LR	30	NE
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**National Network**

Y

**Intersection**

Y

**Other Site Information**

Hewletts Road Overbridge Project. Near Mt Maunganui Intermediate School. Pre December 2009 SH29.

**Height Above Ground (m)**

2.9

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Chapel St

**Site Code**

HAM010

**Region & Monitoring Zone**

Bay of Plenty - Tauranga

**Area**

Tauranga

**Site Type**

SH

**Source**

Marsh St

**Site Location**35 Chapel St  
Tauranga, Tauranga**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2789493	6386894



	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1879269	5825395

**Nearest Sensitive Receptor & Location**Residential Housing  
Chapel StDistance (m)  
60**Nearest SH & Local Road (m) with Direction**

SH 2      2      N

LR      2      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**Tauranga Central Corridor Project. Pre December 2009  
SH2A.**Height Above Ground (m)**

2.7

**Nearest Tree (m)**

50.0

**Monitoring Note(s)**

Jan-07      Commissioned





**Site Name**

Maunganui Rd

**Site Code**

HAM018

**Region & Monitoring Zone**

Bay of Plenty - Tauranga

**Area**

Te Maunga

**Site Type**

SH

**Source**

SH 2

**Site Location**Opp 93 Eversham Rd  
Te Maunga, Tauranga**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2794763	6385946

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1884544	5824456

**Nearest Sensitive Receptor & Location**Residential Housing  
Eversham RdDistance (m)  
50**Nearest SH & Local Road (m) with Direction**

SH 2      2      N

LR      810      N

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

50.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Otumoetai Rd

**Site Code**

HAM019

**Region & Monitoring Zone**

Bay of Plenty - Tauranga

**Area**

Brookfield

**Site Type**

Local

**Source**

Bellevue Rd

**Site Location**

75 Bellevue Rd  
Brookfield, Tauranga



**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2786715	6385423	<b>NZTM</b>	1876492	5823919

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Otumoetai Rd	20

**Nearest SH & Local Road (m) with Direction**

SH 2	1040	S	LR	2	SW
------	------	---	----	---	----

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.7

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10 Commissioned



**Site Name**

Twentythird Ave

**Site Code**

HAM020

**Region & Monitoring Zone**

Bay of Plenty - Tauranga

**Area**

Gate Pa

**Site Type**

Local

**Source**

Cameron Rd



**Site Location**

941 Cameron Rd  
Gate Pa, Tauranga

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2787244	6382893	<b>NZTM</b>	1877026	5821388

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Cameron Rd	15

**Nearest SH & Local Road (m) with Direction**

SH 2	1090	NW	LR	3	SW
------	------	----	----	---	----

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Near Tauranga Girls College

**Height Above Ground (m)**

2.8

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10 Commissioned



**Site Name**

Seaforth Gr

**Site Code**

HAM021

**Region & Monitoring Zone**

Bay of Plenty - Tauranga

**Area**

Greerton

**Site Type**

Background

**Source**

-

**Site Location**7 Seaforth Gr  
Greerton, Tauranga**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2786027	6380709

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1875811	5819200

**Nearest Sensitive Receptor & Location**Residential Housing  
Seaforth GrDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 29    360    S

LR    280    NW

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10    Commissioned



Monitoring Zone  
**Rotorua**

**Site Name**

Pukuatua St

**Site Code**

HAM006

**Region & Monitoring Zone**

Bay of Plenty - Rotorua

**Area**

Rotorua

**Site Type**

SH

**Source**

Old Taupo Rd

**Site Location**

1612 Pukuatua St

Rotorua

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2793725	6335570

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1883582	5774041

**Nearest Sensitive Receptor & Location**

Rotorua Boys High School  
1612 Pukuatua St

Distance (m)  
40

**Nearest SH & Local Road (m) with Direction**

SH 30A&amp;5 3 W

LR 40 E

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Near Rotorua Boys High School

**Height Above Ground (m)**

2.6

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jan-07 Commissioned



**Site Name**

Lighthouse St

**Site Code**

HAM023

**Region & Monitoring Zone**

Bay of Plenty - Rotorua

**Area**

Glenholme

**Site Type**

Background

**Source**

-

**Site Location**3 Lighthouse St  
Glenholme, Rotorua**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2794856	6334356

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1884716	5772827

**Nearest Sensitive Receptor & Location**Residential Housing  
Lighthouse StDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 5      880      W

LR      170      W

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near St Mary's Catholic School

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10      Commissioned



Monitoring Zone  
**Gisborne**



**Site Name**

Craig Rd

**Site Code**

NAP001

**Region & Monitoring Zone**

Gisborne - Gisborne

**Area**

Kaiti

**Site Type**

SH

**Source**

Wainui Rd

**Site Location**515 Wainui Rd  
Kaiti, Gisborne**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2948813	6268592

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	2038946	5707152

**Nearest Sensitive Receptor & Location**Kaiti School  
517 Wainui RdDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 35      2              NE

LR              190              NE

**National Network**

Y

**Intersection**

N

**Other Site Information**

Opposite Kaiti School

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jan-07      Commissioned



Monitoring Zone  
**Napier**

**Site Name**

Meeanee Rd

**Site Code**

NAP002

**Region & Monitoring Zone**

Hawke's Bay - Napier

**Area**

Jervoistown

**Site Type**

SH

**Source**

Napier Hastings Motorway

**Site Location**

122 Meeanee Rd  
Jervoistown, Napier

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2841836	6177906	<b>NZTM</b>	1931872	5616278

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Meeanee Rd	40

**Nearest SH & Local Road (m) with Direction**

SH 50	3	W	LR	2	S
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**National Network**

Y

**Intersection**

Y

**Other Site Information**

Meeanee Road Intersection Upgrade. Near AQ Station.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

30.0

**Monitoring Note(s)**

Jan-07 Commissioned



**Site Name**

Georges Dr

**Site Code**

NAP003

**Region & Monitoring Zone**

Hawke's Bay - Napier

**Area**

Marewa

**Site Type**

SH

**Source**

Hyderabad Rd



**Site Location**

3 Hyderabad Rd  
Marewa, Napier

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2845357	6182616	<b>NZTM</b>	1935394	5620994

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Hyderabad Rd	10

**Nearest SH & Local Road (m) with Direction**

SH 2	3	N	LR	70	E
------	---	---	----	----	---

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

3.0

**Monitoring Note(s)**

Jan-07 Commissioned



**Site Name**

Hastie Pl

**Site Code**

NAP006

**Region & Monitoring Zone**

Hawke's Bay - Napier

**Area**

Onekawa

**Site Type**

Background

**Source**

-

**Site Location**

10 Hastie Pl  
Onekawa, Napier

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2844224	6180240

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1934262	5618615

**Nearest Sensitive Receptor & Location**

Residential Housing  
Hastie Pl

Distance (m)  
15

**Nearest SH & Local Road (m) with Direction**

SH 50      800      W

LR          600          NW

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near Henry Hill School

**Height Above Ground (m)**

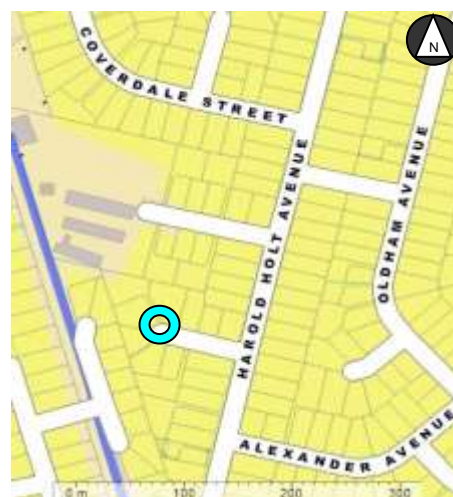
3.0

**Nearest Tree (m)**

11.0

**Monitoring Note(s)**

Apr-10      Commissioned



Monitoring Zone  
**Hastings**

**Site Name**

Omahu Rd

**Site Code**

NAP004

**Region & Monitoring Zone**

Hawke's Bay - Hastings

**Area**

Woolwich

**Site Type**

SH

**Source**

Napier Hastings Motorway

**Site Location**1000 Omahu Rd  
Woolwich, Hastings**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2837466	6169025

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1927501	5607387

**Nearest Sensitive Receptor & Location**Residential Housing  
Omahu RdDistance (m)  
180**Nearest SH & Local Road (m) with Direction**

SH 50A    20    E

LR    10    NE

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

40.0

**Monitoring Note(s)**

Jan-07    Commissioned



**Site Name**

Amanda Pl

**Site Code**

NAP005

**Region & Monitoring Zone**

Hawke's Bay - Hastings

**Area**

Mayfair

**Site Type**

Background

**Source**

-

**Site Location**

11 Amanda Pl  
Mayfair, Hastings

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2841229	6167068	<b>NZTM</b>	1931267	5605429

**Nearest Sensitive Receptor & Location**

Residential Housing  
Amanda Pl

Distance (m)  
15

**Nearest SH & Local Road (m) with Direction**

SH 2	230	N	LR	100	W
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**National Network**

Y

**Intersection**

N

**Other Site Information**

Near Mayfair School

**Height Above Ground (m)**

2.7

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10 Commissioned





Monitoring Zone  
**New Plymouth**

**Site Name**

Paynters Ave

**Site Code**

WAN001

**Region & Monitoring Zone**

Taranaki - New Plymouth

**Area**

Fitzroy

**Site Type**

SH

**Source**

Northgate

**Site Location**10 Pukaka St  
Fitzroy, New Plymouth**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2605648	6238606

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1695561	5676854

**Nearest Sensitive Receptor & Location**Mission Resthome  
10 Pukaka StDistance (m)  
50**Nearest SH & Local Road (m) with Direction**

SH 3      1      N

LR      140      E

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near Scared Heart School. Near railway.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Benbow Pl

**Site Code**

WAN009

**Region & Monitoring Zone**

Taranaki - New Plymouth

**Area**

Westown

**Site Type**

Background

**Source**

-

**Site Location**

4 Tavistock St  
Westown, New Plymouth

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2601999	6236211

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1691914	5674457

**Nearest Sensitive Receptor & Location**

Residential Housing  
Tavistock St

Distance (m)  
5

**Nearest SH & Local Road (m) with Direction**

SH 45      1360      N

LR          240          NW

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

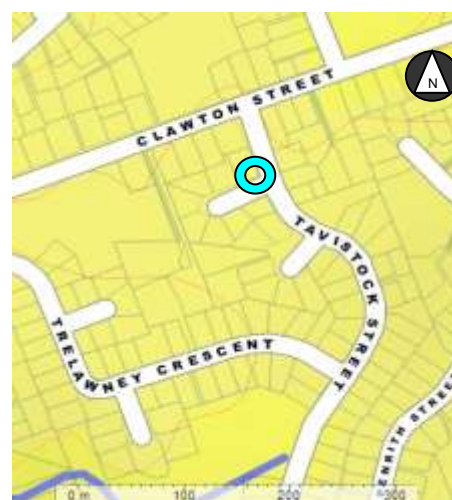
2.5

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Apr-10      Commissioned



Monitoring Zone  
**Wanganui**

**Site Name**

Grey St

**Site Code**

WAN002

**Region & Monitoring Zone**

Manawatu / Wanganui - Wanganui

**Area**

Wanganui

**Site Type**

SH

**Source**

London St

**Site Location**Opp 181 London St  
Wanganui, Wanganui**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2683714	6139847

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1773681	5578142

**Nearest Sensitive Receptor & Location**Residential Housing  
London StDistance (m)  
50**Nearest SH & Local Road (m) with Direction**

SH 3      1      SE

LR      70      NE

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near St George's Prep School. Relocated to WAN010.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jan-07	Commissioned
Nov-09	Decommissioned



**Site Name**

Grey St

**Site Code**

WAN010

**Region & Monitoring Zone**

Manawatu / Wanganui - Wanganui

**Area**

Wanganui

**Site Type**

SH

**Source**

London St

**Site Location**

175 London St  
Wanganui, Wanganui



**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2683810	6139936

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1773776	5578231

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
London St	10

**Nearest SH & Local Road (m) with Direction**

SH 3	1	NW	LR	60	SW
------	---	----	----	----	----

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near St George's Prep School. Relocated from WAN002.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Nov-09 Commissioned



Monitoring Zone  
**Palmerston North**

**Site Name**

Featherston St

**Site Code**

WAN004

**Region & Monitoring Zone**

Manawatu / Wanganui - Palmerston North

**Area**

Palmerston North Central

**Site Type**

SH

**Source**

Rangitikei St

**Site Location**

240 Featherston St  
Palmerston North Central, Palmerston North

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2731352	6091837

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1821340	5530133

**Nearest Sensitive Receptor & Location**

Retail Area  
Rangitikei St

Distance (m)  
20

**Nearest SH & Local Road (m) with Direction**

SH 3	1	E
------	---	---

LR	1	N
----	---	---

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Near Palmerston North Boys High School

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jan-07      Commissioned





**Site Name**

Maxwells Line

**Site Code**

WAN005

**Region & Monitoring Zone**

Manawatu / Wanganui - Palmerston North

**Area**

Awapuni

**Site Type**

SH

**Source**

Pioneer Hwy

**Site Location**Opp 1 Maxwells Line  
Awapuni, Palmerston North**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2728877	6089599

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1818864	5527893

**Nearest Sensitive Receptor & Location**Residential Housing  
Maxwells LineDistance (m)  
30**Nearest SH & Local Road (m) with Direction**

SH 56      1            S

LR            35            E

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

25.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Ruahine St

**Site Code**

WAN006

**Region & Monitoring Zone**

Manawatu / Wanganui - Palmerston North

**Area**

Terrace End

**Site Type**

SH

**Source**

Main St

**Site Location**

757 Main St  
Terrace End, Palmerston North



**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2733238	6091975

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1823226	5530270

**Nearest Sensitive Receptor & Location**

Residential Housing  
Main St

Distance (m)  
40

**Nearest SH & Local Road (m) with Direction**

SH 3      1      S

LR      10      NE

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Ferguson St

**Site Code**

WAN007

**Region & Monitoring Zone**

Manawatu / Wanganui - Palmerston North

**Area**

West End

**Site Type**

Local

**Source**

Pitt St

**Site Location**

104 Pitt St

West End, Palmerston North

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2731567	6090595

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1821556	5528890

**Nearest Sensitive Receptor & Location**

Residential Housing

Pitt St

Distance (m)

20

**Nearest SH & Local Road (m) with Direction**

SH 3      920      N

LR      1      NW

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Near Palmerston North Intermediate Normal School and Palmerston North SDA School

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

3.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Tyndall St

**Site Code**

WAN008

**Region & Monitoring Zone**

Manawatu / Wanganui - Palmerston North

**Area**

Roslyn

**Site Type**

Background

**Source**

-

**Site Location**10 Tyndall St  
Roslyn, Palmerston North**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2732125	6093089

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1822113	5531385

**Nearest Sensitive Receptor & Location**Residential Housing  
Tyndall StDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 3      1250      SW

LR      100      N

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near Russell St School

**Height Above Ground (m)**

2.5

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Apr-10      Commissioned



Monitoring Zone  
**Otaki**

**Site Name**

Mill Rd

**Site Code**

WEL061

**Region & Monitoring Zone**

Wellington - Otaki

**Area**

Otaki

**Site Type**

SH

**Source**

State Highway 1

**Site Location**

Opposite 284 Mill Rd  
Otaki, Kapiti Coast

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2692113	6047319

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1782095	5485605

**Nearest Sensitive Receptor & Location**

Residential Housing  
Mill Rd

Distance (m)  
15

**Nearest SH & Local Road (m) with Direction**

SH 1	3	SE
------	---	----

LR	5	NE
----	---	----

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**

Mar-10 Commissioned



Monitoring Zone  
**Kapiti**

**Site Name**

Ihakara St

**Site Code**

WEL004

**Region & Monitoring Zone**

Wellington - Kapiti

**Area**

Paraparaumu

**Site Type**

SH

**Source**

Main Rd South

**Site Location**

3 Ihakara St  
Paraparaumu, Kapiti Coast

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2678624	6029713

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1768605	5467998

**Nearest Sensitive Receptor & Location**

Residential Housing  
Spencer Russell Dr

Distance (m)  
20

**Nearest SH & Local Road (m) with Direction**

SH 1	3	SE
------	---	----

LR	610	SW
----	-----	----

**National Network**

Y

**Intersection**

N

**Other Site Information**

Relocated to WEL063

**Height Above Ground (m)**

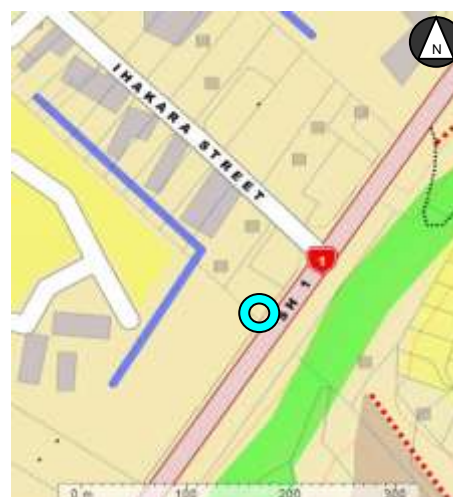
3.3

**Nearest Tree (m)**

1.0

**Monitoring Note(s)**

Jan-07	Commissioned
Jan-09	Decommissioned





**Site Name**

Rimutaka St

**Site Code**

WEL063

**Region & Monitoring Zone**

Wellington - Kapiti

**Area**

Paraparaumu

**Site Type**

SH

**Source**

Main Rd South

**Site Location**20 Rimutaka St  
Paraparaumu, Kapiti Coast**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2679645	6030750



	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1769627	5469035

**Nearest Sensitive Receptor & Location**Residential Housing  
Rimutaka StDistance (m)  
20**Nearest SH & Local Road (m) with Direction**

SH 1      5      NE

LR      680      SW

**National Network**

Y

**Intersection**

N

**Other Site Information**

Relocated from WEL004.

**Height Above Ground (m)**

3.5

**Nearest Tree (m)**

2.0

**Monitoring Note(s)**

Jan-09      Commissioned



Monitoring Zone  
**Upper Hutt**

**Site Name**

Totara Park Rd

**Site Code**

WEL057

**Region & Monitoring Zone**

Wellington - Upper Hutt

**Area**

Clouston Park

**Site Type**

SH

**Source**

River Rd

**Site Location**40 Totara Park Rd  
Clouston Park, Upper Hutt**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2684770	6008051

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1774749	5446335

**Nearest Sensitive Receptor & Location**Residential Housing  
Totara Park RdDistance (m)  
20**Nearest SH & Local Road (m) with Direction**

SH 2      2      N

LR      5      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Mar-10      Commissioned



**Site Name**

GWRC Savage Park

**Site Code**

WEL058 - WEL060

**Region & Monitoring Zone**

Wellington - Upper Hutt

**Area**

Upper Hutt

**Site Type**

Background

**Source**

-

**Site Location**15 Savage Cres  
Upper Hutt, Upper Hutt**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2683824	6007399	<b>NZTM</b>	1773803	5445683

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Savage Park	21

**Nearest SH & Local Road (m) with Direction**

SH 2	600	N	LR	69	W
------	-----	---	----	----	---

**National Network**

Y

**Intersection**

N

**Other Site Information**

AQ Station. Co-located in triplicate. Decommissioned - low data capture and low population for the site type.

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

11.0

**Monitoring Note(s)**

Mar-10	Commissioned
Nov-12	Decommissioned



Monitoring Zone  
**Lower Hutt**

**Site Name**

Manor Park Rd

**Site Code**

WEL002

**Region & Monitoring Zone**

Wellington - Lower Hutt

**Area**

Manor Park

**Site Type**

SH

**Source**

Western Hutt Rd

**Site Location**

Cnr Manor Park Rd & Western Hutt Rd  
Manor Park, Lower Hutt

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2675619	6003444

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1765598	5441729

**Nearest Sensitive Receptor & Location**

Residential Housing  
Mary Huse Gr

Distance (m)  
180

**Nearest SH & Local Road (m) with Direction**

SH 2	1	NW
------	---	----

LR	485	SW
----	-----	----

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Manor Park Hospital

**Height Above Ground (m)**

3.2

**Nearest Tree (m)**

8.8

**Monitoring Note(s)**

Jan-07 Commissioned



**Site Name**

Riddlers Cres

**Site Code**

WEL003

**Region & Monitoring Zone**

Wellington - Lower Hutt

**Area**

Petone

**Site Type**

SH

**Source**

Western Hutt Rd

**Site Location**37 Riddlers Cres  
Petone, Lower Hutt**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2667227	5996900

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1757206	5435187

**Nearest Sensitive Receptor & Location**Residential Housing  
Riddlers CresDistance (m)  
8**Nearest SH & Local Road (m) with Direction**

SH 2      40      N

LR      150      SW

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near railway.

**Height Above Ground (m)**

3.3

**Nearest Tree (m)**

8.0

**Monitoring Note(s)**

May-07      Commissioned



**Site Name**

Block Rd (GWRC Melling Station)

**Site Code**

WEL028 - WEL030

**Region & Monitoring Zone**

Wellington - Lower Hutt

**Area**

Boulcott

**Site Type**

SH

**Source**

Western Hutt Rd

**Site Location**Block Rd Train Station  
Boulcott, Lower Hutt**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2669902	5998674

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1759881	5436960

**Nearest Sensitive Receptor & Location**Train Station  
Block RdDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 2      10      NW

LR      50      SW

**National Network**

Y

**Intersection**

N

**Other Site Information**AQ Station removed Jan-2010. Co-located in triplicate.  
Relocated to a single site WEL052.**Height Above Ground (m)**

4.4

**Nearest Tree (m)**

2.5

**Monitoring Note(s)**

Jan-09	Commissioned
Jan-10	Decommissioned





**Site Name**

Pharazyn St

**Site Code**

WEL052

**Region & Monitoring Zone**

Wellington - Lower Hutt

**Area**

Boulcott

**Site Type**

SH

**Source**

Western Hutt Rd

**Site Location**

Opposite 101 Pharazyn St  
Boulcott, Lower Hutt

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2669689	5998545	<b>NZTM</b>	1759667	5436831

**Nearest Sensitive Receptor & Location**

Residential Housing  
Pharazyn St

Distance (m)  
12

**Nearest SH & Local Road (m) with Direction**

SH 2      15      NW

LR      185      NE

**National Network**

Y

**Intersection**

N

**Other Site Information**

Relocated from WEL028-030 the GWRC Melling Station AQ  
Station

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

16.0

**Monitoring Note(s)**

Mar-10      Commissioned



**Site Name**

Bloomfield Tce

**Site Code**

WEL053

**Region & Monitoring Zone**

Wellington - Lower Hutt

**Area**

Lower Hutt

**Site Type**

Local

**Source**

Knights Rd

**Site Location**

75 Knights Rd  
Lower Hutt, Lower Hutt

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2669955	5997772

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1759934	5436058

**Nearest Sensitive Receptor & Location**

Residential Housing  
Bloomfield Tce

Distance (m)  
20

**Nearest SH & Local Road (m) with Direction**

SH 2      828      NW

LR      1      S

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

12.0

**Monitoring Note(s)**

Mar-10      Commissioned



**Site Name**

GWRC Birch Lane

**Site Code**

WEL054 - WEL056

**Region & Monitoring Zone**

Wellington - Lower Hutt

**Area**

Waterloo

**Site Type**

Background

**Source**

-

**Site Location**46 Oxford Tce  
Waterloo, Lower Hutt**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2671055	5997578

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1761034	5435864

**Nearest Sensitive Receptor & Location**Residential Housing  
Oxford TceDistance (m)  
8**Nearest SH & Local Road (m) with Direction**

SH 2      1595      NW

LR      100      N

**National Network**

Y

**Intersection**

N

**Other Site Information**

AQ Station. Co-located in triplicate.

**Height Above Ground (m)**

3.5

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Mar-10      Commissioned



Monitoring Zone  
**Porirua**

**Site Name**

Titahi Bay Rd

**Site Code**

WEL005

**Region & Monitoring Zone**

Wellington - Porirua

**Area**

Porirua

**Site Type**

SH

**Source**

Johnsonville Porirua Motorway

**Site Location**

Opp 1 Mungavin Ave

Porirua, Porirua

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2664950	6005956

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1754930	5444242

**Nearest Sensitive Receptor & Location**Belmont Motor Lodge  
1 Mungavin AveDistance (m)  
30**Nearest SH & Local Road (m) with Direction**

SH 1      50      W

LR      5      N

**National Network**

Y

**Intersection**

N

**Other Site Information**

Porirua on ramp 50m. SH1 65m.

**Height Above Ground (m)**

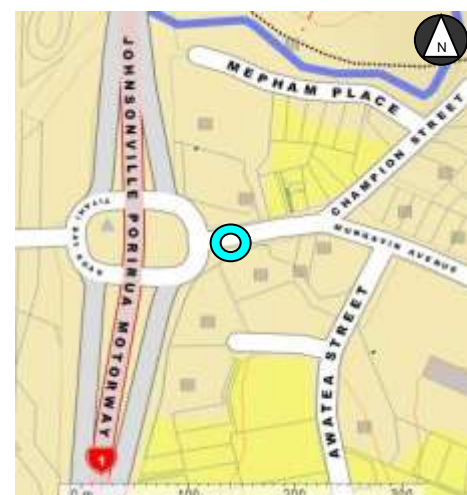
3.2

**Nearest Tree (m)**

1.0

**Monitoring Note(s)**

Mar-07      Commissioned



Monitoring Zone  
**Wellington**

**Site Name**

Bolton St

**Site Code**

WEL007

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Lambton Quay

**Site Type**

SH

**Source**

Wellington Urban Motorway

**Site Location**Opp 82 Bolton St  
Lambton Quay, Wellington**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2658523	5990324	<b>NZTM</b>	1748501	5428612

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Bolton St	15

**Nearest SH & Local Road (m) with Direction**

SH 1	30	E	LR	175	E
------	----	---	----	-----	---

**National Network**

Y

**Intersection**

N

**Other Site Information**

Site lowered Oct-2012 from 2.5m to 1m due to the height above the bridge

**Height Above Ground (m)**

1.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Mar-07    Commissioned



**Site Name**

Sussex St

**Site Code**

WEL008

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Mt Cook

**Site Type**

SH

**Source**

Rugby St

**Site Location**

Crn Sussex St & Rugby St  
Mt Cook, Wellington

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2658939	5988040	<b>NZTM</b>	1748917	5426328

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Sussex St	15

**Nearest SH & Local Road (m) with Direction**

SH 1	2	E	LR	95	SE
------	---	---	----	----	----

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Wellington Inner City Bypass Project. Near Basin Reserve.

**Height Above Ground (m)**

3.1

**Nearest Tree (m)**

4.2

**Monitoring Note(s)**

Jan-07 Commissioned





**Site Name**

Helston Rd

**Site Code**

WEL027

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Johnsonville

**Site Type**

SH

**Source**

Johnsonville Porirua Motorway

**Site Location**12 Helston Rd  
Johnsonville, Wellington**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2661775	5996790

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1751754	5435077

**Nearest Sensitive Receptor & Location**Residential Housing  
Helston RdDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 1      100      W

LR      5      S

**National Network**

Y

**Intersection**

N

**Other Site Information**

Relocated to WEL064 be to closer to the SH

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Jan-09	Commissioned
Mar-10	Decommissioned



**Site Name**

Victoria St (GWRC Corner V)

**Site Code**

WEL031 - WEL033

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Te Aro

**Site Type**

SH

**Source**

Vivian St

**Site Location**Crn Vivian St & Victoria St  
Te Aro, Wellington**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2658477	5988791

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1748455	5427079

**Nearest Sensitive Receptor & Location**Retail Area  
Vivian StDistance (m)  
15**Nearest SH & Local Road (m) with Direction**

SH 1      7      SW

LR      5      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

AQ Station. Co-located in triplicate.

**Height Above Ground (m)**

5.3

**Nearest Tree (m)**

9.0

**Monitoring Note(s)**

Jan-09      Commissioned



**Site Name**

GWRC Duncan Park

**Site Code**

WEL034 - WEL036

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Linden

**Site Type**

Background

**Source**

-

**Site Location**8 Linden Ave  
Linden, Tawa**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2663604	6003852



	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1753584	5442139

**Nearest Sensitive Receptor & Location**Residential Housing  
Rossiter StDistance (m)  
18**Nearest SH & Local Road (m) with Direction**

SH 1      585      E

LR      60      W

**National Network**

Y

**Intersection**

N

**Other Site Information**

AQ Station. Co-located in triplicate.

**Height Above Ground (m)**

3.6

**Nearest Tree (m)**

3.0

**Monitoring Note(s)**

Jan-10      Commissioned



**Site Name**

Campbell St

**Site Code**

WEL047

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Karori

**Site Type**

Local

**Source**

Karori Rd

**Site Location**

4 Campbell St  
Karori, Wellington



**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2655638	5989915

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1745617	5428203

**Nearest Sensitive Receptor & Location**

Residential Housing  
Campbell St

Distance (m)  
10

**Nearest SH & Local Road (m) with Direction**

SH 1      2895      W

LR      1      N

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.5

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**

Mar-10      Commissioned



**Site Name**

Thames St

**Site Code**

WEL048

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Island Bay

**Site Type**

Background

**Source**

-

**Site Location**3 Thames St  
Island Bay, Wellington**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2658566	5984219



	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1748544	5422507

**Nearest Sensitive Receptor & Location**Residential Housing  
Thames StDistance (m)  
1**Nearest SH & Local Road (m) with Direction**

SH 1      2870      N

LR      150      W

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near Island Bay School

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Mar-10      Commissioned



**Site Name**

Mein St

**Site Code**

WEL049

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Newtown

**Site Type**

Local

**Source**

Riddiford St

**Site Location**88 Riddiford St  
Newtown, Wellington**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2658930	5986906



	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1748907	5425194

**Nearest Sensitive Receptor & Location**Newtown School  
Riddiford StDistance (m)  
15**Nearest SH & Local Road (m) with Direction**

SH 1      1090      N

LR      1      E

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Opp Newtown School. Near Wellington Hospital.

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**

Mar-10      Commissioned



**Site Name**

Hamilton Rd

**Site Code**

WEL050

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Kilbirnie

**Site Type**

SH

**Source**

Wellington Rd



**Site Location**

29 Wellington Rd  
Kilbirnie, Wellington

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2660124	5986752	<b>NZTM</b>	1750102	5425039

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Wellington Rd	2

**Nearest SH & Local Road (m) with Direction**

SH 1	4	N	LR	195	W
------	---	---	----	-----	---

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**

Mar-10 Commissioned



**Site Name**

Hobart St

**Site Code**

WEL051

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Miramar

**Site Type**

Local

**Source**

Miramar Ave

**Site Location**86 Miramar Ave  
Miramar, Wellington**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2662066	5986189

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1752043	5424476

**Nearest Sensitive Receptor & Location**Catholic Church  
86 Miramar AveDistance (m)  
3**Nearest SH & Local Road (m) with Direction**

SH 1      575      W

LR      4      NE

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**

Mar-10      Commissioned





**Site Name**

Helston Rd

**Site Code**

WEL064

**Region & Monitoring Zone**

Wellington - Wellington

**Area**

Johnsonville

**Site Type**

SH

**Source**

Johnsonville Porirua Motorway

**Site Location**

8 Helston Rd  
Johnsonville, Wellington



**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2661646	5996808

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1751625	5435095

**Nearest Sensitive Receptor & Location**

Residential Housing  
Helston Rd

Distance (m)  
7

**Nearest SH & Local Road (m) with Direction**

SH 1      7      E

LR      5      N

**National Network**

Y

**Intersection**

N

**Other Site Information**

Relocated from WEL027

**Height Above Ground (m)**

4.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Mar-10      Commissioned



Monitoring Zone  
**Nelson**

**Site Name**

Queen Elizabeth II Dr

**Site Code**

WEL009

**Region & Monitoring Zone**

Nelson - Nelson

**Area**

Nelson

**Site Type**

SH

**Source**

Haven Rd

**Site Location**

135 Haven Rd  
Nelson, Nelson

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2533238	5993244



	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1623243	5431540

**Nearest Sensitive Receptor & Location**

Auckland Point School  
111 Haven Rd

Distance (m)  
40

**Nearest SH & Local Road (m) with Direction**

SH 6      3      NE

LR      10      E

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Near Auckland Point School

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

3.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Songer St

**Site Code**

WEL010

**Region & Monitoring Zone**

Nelson - Nelson

**Area**

Stoke

**Site Type**

SH

**Source**

Whakatu Dr

**Site Location**3 Duffy Pl  
Stoke, Nelson**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2528631	5988954

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1618638	5427252

**Nearest Sensitive Receptor & Location**Residential Housing / Birchwood School  
Duffy PlDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 6      10      NW

LR      125      SW

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

2.4

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Jun-07      Commissioned



**Site Name**

Melia Pl

**Site Code**

WEL011

**Region & Monitoring Zone**

Tasman - Nelson

**Area**

Richmond

**Site Type**

SH

**Source**

Richmond Deviation

**Site Location**10 Melia Pl  
Richmond, Tasman**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2526180	5985832

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1616187	5424131

**Nearest Sensitive Receptor & Location**Residential Housing / Salisbury School  
Melia PlDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 6      60      N

LR      420      SE

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near Salisbury School 40m W

**Height Above Ground (m)**

2.4

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Totara St

**Site Code**

WEL062

**Region & Monitoring Zone**

Nelson - Nelson

**Area**

Toi Toi

**Site Type**

Background

**Source**

-



**Site Location**

12 Totara St  
Toi Toi, Nelson

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2532559	5991511	<b>NZTM</b>	1622565	5429808

**Nearest Sensitive Receptor & Location**

Residential Housing	Distance (m)
Totara St	10

**Nearest SH & Local Road (m) with Direction**

SH 6	1335	NW	LR	90	SE
------	------	----	----	----	----

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near Victoria Primary School

**Height Above Ground (m)**

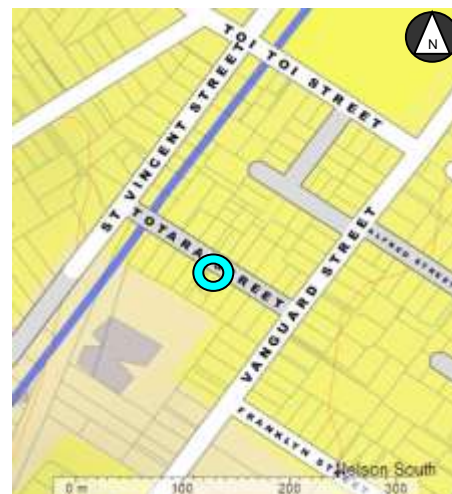
2.2

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Mar-10 Commissioned



Monitoring Zone  
**Blenheim**

**Site Name**

McLauchlan St

**Site Code**

WEL012

**Region & Monitoring Zone**

Marlborough - Blenheim

**Area**

Blenheim

**Site Type**

SH

**Source**

Nelson St

**Site Location**61 Nelson St  
Blenheim, Blenheim**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2588840	5966033

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1678828	5404333

**Nearest Sensitive Receptor & Location**

Residential Housing / Marlborough Girls College	Distance (m)
Nelson St	20

**Nearest SH & Local Road (m) with Direction**

SH 6	3	N	LR	390	W
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**National Network**

Y

**Intersection**

N

**Other Site Information**

Opposite Marlborough Girls College. Section 61 Nelson St cleared early 2009.

**Height Above Ground (m)**

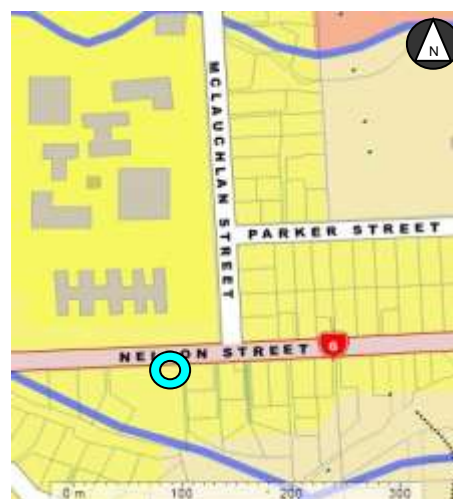
4.2

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jan-07      Commissioned





Monitoring Zone  
**Christchurch**

**Site Name**

Queen Elizabeth II Dr

**Site Code**

CHR002

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Redwood

**Site Type**

SH

**Source**

Main North Rd

**Site Location**204 Main North Rd  
Redwood, Christchurch**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2479019	5746886

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1569019	5185272

**Nearest Sensitive Receptor & Location**St Bedes College  
210 Main North RdDistance (m)  
30**Nearest SH & Local Road (m) with Direction**

SH 74    2    N

LR    40    W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Near St Bedes College

**Height Above Ground (m)**

3.2

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Jan-07    Commissioned



**Site Name**

Nash Rd

**Site Code**

CHR004

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Hilmorton

**Site Type**

Background

**Source**

-



**Site Location**

Cnr Nash Rd & Aidanfield Dr  
Hilmorton, Christchurch

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2475309	5738046	<b>NZTM</b>	1565311	5176435

**Nearest Sensitive Receptor & Location**

Canterbury Christian College	Distance (m)
Nash Rd	60

**Nearest SH & Local Road (m) with Direction**

SH 75	440	SE	LR	715	SW
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**National Network**

Y

**Intersection**

N

**Other Site Information**

Christchurch Southern Motorway Extension "project site"  
2007 - 2009. Near St John of God Hospital.

**Height Above Ground (m)**

3.1

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Jan-07 Commissioned



**Site Name**

Curletts Rd

**Site Code**

CHR003

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Riccarton

**Site Type**

SH

**Source**

Yaldhurst Rd

**Site Location**34 Yaldhurst Rd  
Riccarton, Christchurch**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2475124	5741781

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1565126	5180169

**Nearest Sensitive Receptor & Location**Villa Maria College  
21 Peer StDistance (m)  
30**Nearest SH & Local Road (m) with Direction**

SH 73    5    SW

LR    5    W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Near Villa Maria College

**Height Above Ground (m)**

3.3

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jan-07    Commissioned



**Site Name**

Ferry Rd

**Site Code**

CHR006

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Woolston

**Site Type**

SH

**Source**

Rutherford St

**Site Location**698 Ferry Rd  
Woolston, Christchurch**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2484754	5739484

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1574752	5177873

**Nearest Sensitive Receptor & Location**Residential Housing / Bamford School  
Ferry RdDistance (m)  
20**Nearest SH & Local Road (m) with Direction**

SH 74A 12 NW

LR 5 NE

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Near Bamford School

**Height Above Ground (m)**

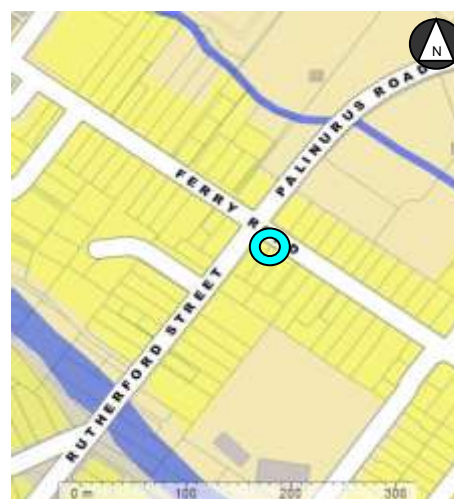
3.4

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Jan-07 Commissioned



**Site Name**

Parker St

**Site Code**

CHR011

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Hornby

**Site Type**

SH

**Source**

Main South Rd

**Site Location**2 Parker St  
Hornby, Christchurch**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2470921	5740232

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1560924	5178620

**Nearest Sensitive Receptor & Location**Residential Housing  
Parker StDistance (m)  
15**Nearest SH & Local Road (m) with Direction**

SH 1      10      S

LR      5      W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.9

**Nearest Tree (m)**

14.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Grahams Rd

**Site Code**

CHR012

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Burnside

**Site Type**

Local

**Source**

Memorial Ave

**Site Location**233 Memorial Ave  
Burnside, Christchurch**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2475318	5744438



	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1565320	5182825

**Nearest Sensitive Receptor & Location**Residential Housing  
Memorial AveDistance (m)  
10**Nearest SH & Local Road (m) with Direction**

SH 1      2195      NW

LR      1      N

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Near Burnside High School

**Height Above Ground (m)**

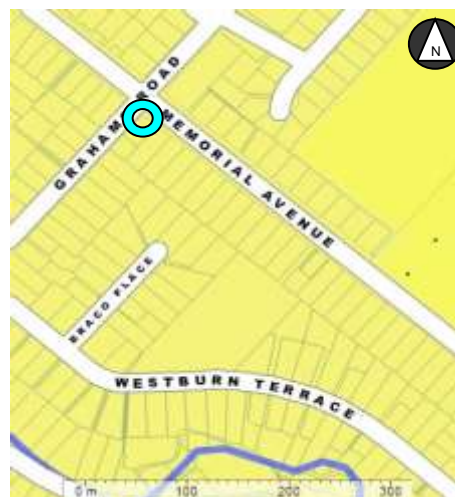
3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Johns Rd

**Site Code**

CHR013

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Belfast

**Site Type**

SH

**Source**

Main North Rd

**Site Location**730 Main North Rd  
Belfast, Christchurch**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2479958	5750638

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1569958	5189023

**Nearest Sensitive Receptor & Location**Residential Housing  
Main North RdDistance (m)  
6**Nearest SH & Local Road (m) with Direction**

SH 74 &amp; 1 3 W

LR 1695 N

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.2

**Nearest Tree (m)**

16.0

**Monitoring Note(s)**

Apr-10 Commissioned





**Site Name**

Waltham Rd

**Site Code**

CHR014

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Waltham

**Site Type**

SH

**Source**

Brougham St

**Site Location**145 Waltham Rd  
Waltham, Christchurch**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2481459	5739921



	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1571458	5178310

**Nearest Sensitive Receptor & Location**Residential Housing  
Waltham RdDistance (m)  
8**Nearest SH & Local Road (m) with Direction**

SH 73      12      N

LR      5      E

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

2.9

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

North Pde

**Site Code**

CHR015

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Shirley

**Site Type**

Local

**Source**

Shirley Rd

**Site Location**4 New Brighton Rd  
Shirley, Christchurch**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2482769	5744328

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1572768	5182715

**Nearest Sensitive Receptor & Location**Residential Housing  
New Brighton RdDistance (m)  
12**Nearest SH & Local Road (m) with Direction**

SH 74      2005      N

LR          10          W

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.1

**Nearest Tree (m)**

12.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Norwich St

**Site Code**

CHR016

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Linwood

**Site Type**

Local

**Source**

Buckleys Rd

**Site Location**

22 Buckleys Rd  
Linwood, Christchurch

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2483685	5741606

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1573683	5179994

**Nearest Sensitive Receptor & Location**

Retail Area  
Buckleys Rd

Distance (m)  
7

**Nearest SH & Local Road (m) with Direction**

SH 73      2150      SW

LR          3              NW

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

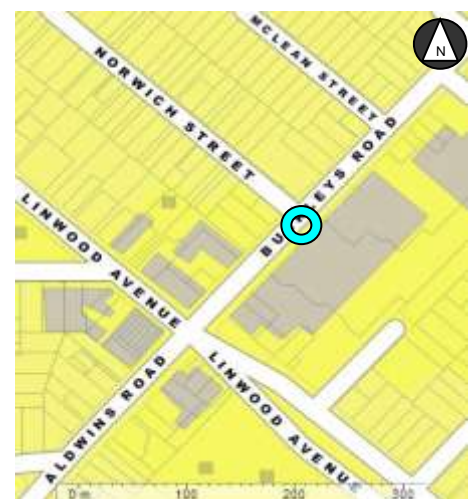
3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

ECan Riccarton Rd

**Site Code**

CHR017 - CHR019

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

Riccarton

**Site Type**

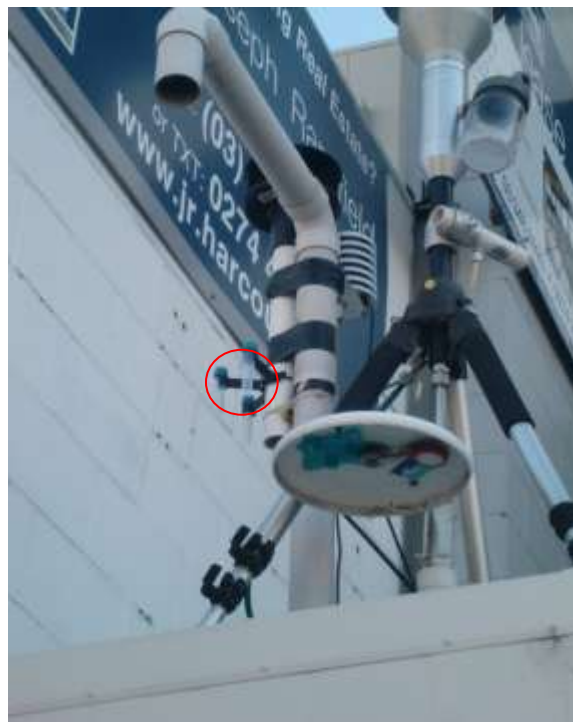
Local

**Source**

-

**Site Location**

122 Riccarton Rd  
 Riccarton, Christchurch



**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2477569	5741888

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1567570	5180276

**Nearest Sensitive Receptor & Location**

Retail Area	Distance (m)
Riccarton Rd	50

**Nearest SH & Local Road (m) with Direction**

SH 73	1900	S	LR	5	S
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**National Network**

Y

**Intersection**

Y

**Other Site Information**

AQ Station. Co-located in triplicate.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

70.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

ECan Coles Pl

**Site Code**

CHR020 - CHR022

**Region & Monitoring Zone**

Canterbury - Christchurch

**Area**

St Albans

**Site Type**

Background

**Source**

-

**Site Location**21 Coles Pl  
St Albans, Christchurch**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2480393	5743956

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1570393	5182343

**Nearest Sensitive Receptor & Location**Residential Housing  
Coles PlDistance (m)  
40**Nearest SH & Local Road (m) with Direction**

SH 74      2545      N

LR          155          W

**National Network**

Y

**Intersection**

N

**Other Site Information**

AQ Station. Co-located in triplicate.

**Height Above Ground (m)**

3.5

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10      Commissioned



Monitoring Zone  
**Greymouth**

**Site Name**

School Lane

**Site Code**

CHR001

**Region & Monitoring Zone**

Greymouth - Greymouth

**Area**

Greymouth

**Site Type**

SH

**Source**

Tainui St

**Site Location**180 Tainui St  
Greymouth, Greymouth**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2362535	5859679

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1452575	5298043

**Nearest Sensitive Receptor & Location**Karoro Learning Centre  
180 Tainui StDistance (m)  
13**Nearest SH & Local Road (m) with Direction**

SH 6      1      N

LR      175      SE

**National Network**

Y

**Intersection**

N

**Other Site Information**

Outside Karoro Learning Centre

**Height Above Ground (m)**

2.3

**Nearest Tree (m)**

16.0

**Monitoring Note(s)**

Jan-07      Commissioned



Monitoring Zone  
**Dunedin**



**Site Name**

Hanover St

**Site Code**

DUN001

**Region & Monitoring Zone**

Otago - Dunedin

**Area**

Dunedin

**Site Type**

SH

**Source**

Cumberland St

**Site Location**Crn Hanover St & Cumberland St  
Dunedin, Dunedin**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2316457	5478947

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1406666	4917299

**Nearest Sensitive Receptor & Location**Dunedin Hospital  
201 Great King StDistance (m)  
30**Nearest SH & Local Road (m) with Direction**

SH 1      2      NW

LR      195      S

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Opposite Dunedin Hospital

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

15.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Barnes Dr

**Site Code**

DUN002

**Region & Monitoring Zone**

Otago - Dunedin

**Area**

Caversham

**Site Type**

SH

**Source**

Dunedin Southern Motorway



**Site Location**

16 Barnes Dr  
Caversham, Dunedin

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2314122	5476231

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1404335	4914580

**Nearest Sensitive Receptor & Location**

Residential Housing  
Barnes Dr

Distance (m)  
5

**Nearest SH & Local Road (m) with Direction**

SH 1      40      S

LR      150      S

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Mar-07      Commissioned



**Site Name**

Old Brighton Rd

**Site Code**

DUN003

**Region & Monitoring Zone**

Otago - Dunedin

**Area**

Fairfield

**Site Type**

Local

**Source**

Dunedin Southern Motorway

**Site Location**

Cnr Old Brighton Rd & Sickels St  
Fairfield, Dunedin

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2307542	5475355

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1397755	4913692

**Nearest Sensitive Receptor & Location**

Residential Housing / Fairfield School  
Sickels St

Distance (m)  
10

**Nearest SH & Local Road (m) with Direction**

SH 1	150	S
------	-----	---

LR	2	E
----	---	---

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near Fairfield School. Relocated to DUN011.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Mar-07	Commissioned
Mar-11	Decommissioned



**Site Name**

Gladstone Rd

**Site Code**

DUN006

**Region & Monitoring Zone**

Otago - Dunedin

**Area**

Mosgiel

**Site Type**

SH

**Source**

Quarry Rd

**Site Location**

1 Gladstone Rd South  
Mosgiel, Dunedin

**Map Reference**

	<b>Easting</b>	<b>Northing</b>		<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2304510	5476884	<b>NZTM</b>	1394721	4915218

**Nearest Sensitive Receptor & Location**

Residential Housing  
Gladstone Rd North

Distance (m)  
30

**Nearest SH & Local Road (m) with Direction**

SH 87	1	E	LR	80	N
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**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Apr-10 Commissioned



**Site Name**

Durham St

**Site Code**

DUN007

**Region & Monitoring Zone**

Otago - Dunedin

**Area**

Morningson

**Site Type**

Background

**Source**

-

**Site Location**

Opposite 46 Durham St  
Morningson, Dunedin

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2313874	5477603

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1404084	4915951

**Nearest Sensitive Receptor & Location**

Morningson Playcentre  
37 Durham St

Distance (m)  
3

**Nearest SH & Local Road (m) with Direction**

SH 1      1470      S

LR      50      W

**National Network**

Y

**Intersection**

N

**Other Site Information**

Outside Morningson Playcentre

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Strathmore Cres

**Site Code**

DUN008

**Region & Monitoring Zone**

Otago - Dunedin

**Area**

Roslyn

**Site Type**

Local

**Source**

Stuart St

**Site Location**379 Stuart St  
Roslyn, Dunedin**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2315159	5479259

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1405367	4917609

**Nearest Sensitive Receptor & Location**Residential Housing  
Stuart StDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 1      1310      E

LR      10      NE

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Bay View Rd

**Site Code**

DUN009

**Region & Monitoring Zone**

Otago - Dunedin

**Area**

South Dunedin

**Site Type**

Local

**Source**

Anderson Bay Rd

**Site Location**555 Anderson Bay Rd  
South Dunedin, Dunedin**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2316566	5475998

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1406779	4914351

**Nearest Sensitive Receptor & Location**Residential Housing  
Anderson Bay RdDistance (m)  
20**Nearest SH & Local Road (m) with Direction**

SH 1      1215      NW

LR      2      N

**National Network**

Y

**Intersection**

Y

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

50.0

**Monitoring Note(s)**

Apr-10      Commissioned



**Site Name**

Old Brighton Rd

**Site Code**

DUN011

**Region & Monitoring Zone**

Otago - Dunedin

**Area**

Fairfield

**Site Type**

SH

**Source**

Dunedin Southern Motorway

**Site Location**31 Old Brighton Rd  
Fairfield, Dunedin**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2307600	5475268

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1397812	4913605

**Nearest Sensitive Receptor & Location**Residential Housing / Fairfield School  
Sickels StDistance (m)  
125**Nearest SH & Local Road (m) with Direction**

SH 1      60      S

LR      3      W

**National Network**

Y

**Intersection**

N

**Other Site Information**

Near Fairfield School. Relocated from DUN003.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

20.0

**Monitoring Note(s)**

Apr-11      Commissioned





Monitoring Zone  
**Queenstown**

**Site Name**

Sydney St

**Site Code**

DUN004

**Region & Monitoring Zone**

Otago - Queenstown

**Area**

Queenstown

**Site Type**

SH

**Source**

Stanley St

**Site Location**Crn Sydney St & Stanley St  
Queenstown, Queenstown**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2168560	5566006

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1258576	5004222

**Nearest Sensitive Receptor & Location**Residential Housing  
Stanley StDistance (m)  
100**Nearest SH & Local Road (m) with Direction**

SH 6A    3        NE

LR        455        NW

**National Network**

Y

**Intersection**

Y

**Other Site Information**

Air Shed. Near Southern Lakes Christian School.

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

5.0

**Monitoring Note(s)**

Jan-07    Commissioned



Monitoring Zone  
**Invercargill**

**Site Name**

Don St

**Site Code**

DUN005

**Region & Monitoring Zone**

Southland - Invercargill

**Area**

Invercargill

**Site Type**

SH

**Source**

Dee St

**Site Location**50 Dee St  
Invercargill, Invercargill**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2152166	5411731

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1242407	4849734

**Nearest Sensitive Receptor & Location**Public Library  
50 Dee StDistance (m)  
5**Nearest SH & Local Road (m) with Direction**

SH 6      1      E

LR      265      E

**National Network**

Y

**Intersection**

N

**Other Site Information**

Outside Library

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

3.0

**Monitoring Note(s)**

Jan-07      Commissioned



**Site Name**

Terrace St

**Site Code**

DUN010

**Region & Monitoring Zone**

Southland - Invercargill

**Area**

Rosedale

**Site Type**

Background

**Source**

-



**Site Location**

33 Terrace St  
Rosedale, Invercargill

**Map Reference**

	<b>Easting</b>	<b>Northing</b>
<b>NZMG</b>	2153191	5414246

	<b>Easting</b>	<b>Northing</b>
<b>NZTM</b>	1243428	4852255

**Nearest Sensitive Receptor & Location**

Residential Housing  
Terrace St

Distance (m)  
10

**Nearest SH & Local Road (m) with Direction**

SH 6      1130      W

LR      50      W

**National Network**

Y

**Intersection**

N

**Other Site Information**

-

**Height Above Ground (m)**

3.0

**Nearest Tree (m)**

10.0

**Monitoring Note(s)**

May-10      Commissioned

