

Appendix A

Table 25: Summary of chemical water quality data and comparison with guideline/trigger values at 36 River Water Quality Monitoring Network sites between January 2007 and December 2011. Median values that do not comply with a guideline value are shown in bold font.

Site name	Ammoniacal nitrogen (mg/L)					Nitrate nitrite nitrogen (mg/L)					Dissolved reactive phosphorus (mg/L)					Water Quality Index
	Median	Min	Max	<i>n</i>	Results ≤0.021	Median	Min	Max	<i>n</i>	Results ≤0.444	Median	Min	Max	<i>n</i>	Results ≤0.010	
Mangakāhia @ Twin Brdgs.	0.005	0.0025	0.016	41	100.0%	0.032	0.001	0.56	41	97.6%	0.00325	0	0.096	40	92.5%	Excellent
Waipapa R @ Forest	0.003	0.0005	0.023	66	98.5%	0.0125	0.0005	0.163	66	100.0%	0.005	0	0.011	66	98.5%	Excellent
Waipoua @ SH12	0.005	0.0025	0.27	60	98.3%	0.0225	0.002	0.131	60	100.0%	0.0025	0	0.106	59	96.6%	Excellent
Hātea u/s Mair Park	0.01	0.007	0.57	45	80.0%	0.385	0.083	1.25	42	59.5%	0.008	0	0.068	40	80.0%	Good
Kaihū @ Gorge	0.005	0.005	0.42	60	91.7%	0.226	0.001	0.938	60	83.3%	0.005	0	0.02	59	88.1%	Good
Kerikeri @ Stone Store	0.01	0.008	0.21	53	84.9%	0.41	0.045	1.41	53	60.4%	0.007	0	0.06	51	72.5%	Good
Ngunguru @ Waipoka Rd	0.01	0.006	0.08	51	80.4%	0.093	0.003	0.46	51	96.1%	0.01	0	0.28	49	71.4%	Good
Opouteke @ Suspension	0.005	0.0025	0.1	60	98.3%	0.036	0.001	0.382	60	100.0%	0.004	0	0.037	59	94.9%	Good
Waiarohia @ Whau Valley	0.01	0.01	0.21	62	91.9%	0.402	0.002	1.64	60	61.7%	0.01	0	0.02	58	67.2%	Good
Waiarohia @ Rust Ave	0.01	0.008	0.27	60	93.3%	0.3645	0.029	1.12	60	60.0%	0.01	0	0.037	58	67.2%	Good
Waimamaku @ SH12	0.005	0.0025	0.06	51	96.1%	0.012	0.001	0.652	51	98.0%	0.005	0	0.03	50	96.0%	Good
Waipapa Str @ Waipapa Ldg	0.01	0.007	0.16	53	96.2%	0.324	0.01	0.91	53	75.5%	0.005	0	0.03	51	94.1%	Good
Waitangi @ Watea	0.007	0.001	0.087	66	90.9%	0.248	0.0005	0.935	66	78.8%	0.005	0	0.026	66	89.4%	Good
Waitangi @ Waimate Rd	0.01	0.01	0.15	60	83.3%	0.407	0.053	0.82	60	58.3%	0.006	0	0.025	57	89.5%	Good
Awanui @ FNDC watertake	0.01	0.008	0.104	60	83.3%	0.0385	0.002	0.722	60	98.3%	0.0165	0	0.076	58	12.1%	Fair
Awanui @ Waihue Channel	0.02	0.01	0.39	104	58.7%	0.053	0.002	0.708	59	96.6%	0.043	0.01	1.5	90	2.2%	Fair
Hakaru @ Topuni Creek	0.0165	0.01	0.2	52	69.2%	0.2595	0.003	0.861	52	88.5%	0.047	0.02	0.174	51	0.0%	Fair
Kaeo @ Dip Road	0.01	0.009	0.051	59	93.2%	0.045	0.002	0.613	59	98.3%	0.005	0	0.197	57	93.0%	Fair
Mangahuru @ Apotu Rd	0.02	0.01	0.137	60	63.3%	0.35	0.004	1.71	60	66.7%	0.027	0.01	0.111	58	8.6%	Fair
Mangahuru @ Main Rd	0.01	0.01	0.05	60	88.3%	0.069	0.006	0.44	60	100.0%	0.0095	0	0.06	58	79.3%	Fair
Mangakāhia @ Titoki Brdg	0.0105	0.001	0.081	66	92.4%	0.062	0.0005	0.504	66	98.5%	0.006	0	0.031	66	86.4%	Fair

Mangamuka @ Iwiatua Rd	0.005	0.0025	0.014	53	100.0%	0.007	0.001	0.652	53	98.1%	0.03	0.01	0.04	51	0.0%	Fair
Manganui @ Mitaitai Rd	0.012	0.01	0.086		68.3%	0.173	0.002	0.648		90.0%	0.039	0.01	0.076		3.4%	Fair
Oruru @ Oruru Rd	0.01	0.008	0.05	53	88.7%	0.026	0.002	0.592	53	96.2%	0.021	0.01	0.145	51	2.0%	Fair
Otaika @ Otaika Valley Rd	0.0265	0.013	0.165	6	33.3%	1.2675	0.416	1.483	6	16.7%	0.016	0.01	0.026	6	16.7%	Fair
Paparoa @ walking bridge	0.02	0.01	0.7	52	65.4%	0.0935	0.002	0.942	52	94.2%	0.02	0	0.051	51	17.6%	Fair
Punakitere @ Taheke	0.01	0.005	0.08	60	80.0%	0.407	0.001	0.78	60	55.0%	0.017	0	0.071	59	32.2%	Fair
Utakura @ Okaka Rd Bridge	0.0135	0.005	0.05	52	88.5%	0.136	0.01	0.432	52	100.0%	0.011	0	0.16	51	49.0%	Fair
Victoria @ Thompsons	0.01	0.005	0.017	60	100.0%	0.008	0.002	0.642	60	98.3%	0.016	0	0.024	58	12.1%	Fair
Waiharakeke @ Stringers	0.0135	0.01	0.17	60	73.3%	0.117	0.004	1.007	60	95.0%	0.016	0	0.113	58	29.3%	Fair
Waiotu @ SH1	0.02	0.01	0.15	60	58.3%	0.2495	0.002	2.2	60	73.3%	0.02	0.01	0.121	58	5.2%	Fair
Waipao @ Draffin Road	0.01	0.007	0.443	65	83.1%	2.6	0.017	3.7	65	1.5%	0.03	0.01	0.07	64	1.6%	Fair
Wairua @ Purua	0.019	0.001	0.234	54	53.7%	0.342	0.0005	3.291	54	63.0%	0.016	0	0.114	54	16.7%	Fair
Whakapara @ cableway	0.01	0.01	0.134	60	78.3%	0.262	0.002	1.47	60	78.3%	0.02	0.01	0.054	58	6.9%	Fair
Ruakaka @ Flyger Rd	0.0375	0.01	0.241	60	25.0%	0.3845	0.056	1.5	60	60.0%	0.087	0.03	0.149	59	0.0%	Poor
Mangere @ Knight Rd	0.04	0.01	0.35	109	28.4%	0.596	0.013	2	109	37.6%	0.054	0.01	0.373	108	0.9%	Poor