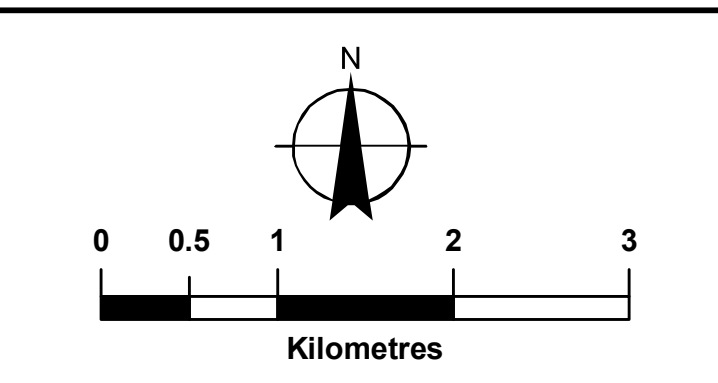


Legend

● Transmission BSP with Tap	★ Transmission BSP without Tap	— Treated Watermain	- - - Proposed Watermain
● Network Sample Tap	★ Network Sample Tap (Non-Routine)	— Raw Watermain	— OOS Watermain
■ Reservoir	 Pressure Zone	— Tunnelled Watermain	

WATERCARE SERVICES LIMITED
Central Auckland Water Supply – Zone Map



G Mapping
WaterCare
ANZSIC 81100

SCALE 1:43,000 @ A0
 DATE 2 September 2011
 GIS REF PR11101_TF
 MAP NO PR11101_01

DISCLAIMERS
 This plan is illustrative only and all information should be independently verified on site before taking any action. Land Parcel Boundary information from LINZ. While due care has been taken, Watercare Services Limited gives no warranty as to the accuracy and completeness of any information on this plan and accepts no liability for any error, omission or use of the information.
 Height datum: Auckland 1946.

CENTRAL AREA

Auckland Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.00	0.00	0.21	7.60
Median	0.20	0.00	0.78	8.00
Average	0.24	0.00	0.78	8.06
Maximum	10.00	0.00	1.15	9.00
Count of Results	764	764	764	764

The turbidity of 10 NTU was reported to the Auckland Regional Public Health Service. Investigations confirmed this was not representative of water in supply, and compliance with the Drinking Water Standards for New Zealand is maintained.

Central Business District Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.38	7.80
Median	0.20	0.00	0.68	8.00
Average	0.24	0.00	0.67	8.03
Maximum	3.50	0.00	0.94	9.20
Count of Results	121	121	121	121

Hillsborough Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.30	7.60
Median	0.20	0.00	0.72	8.10
Average	0.23	0.00	0.70	8.09
Maximum	1.00	0.00	1.10	8.70
Count of Results	243	243	243	243

Maungawhau Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.37	7.70
Median	0.20	0.00	0.75	8.00
Average	0.23	0.00	0.73	7.98
Maximum	2.70	0.00	1.00	8.50
Count of Results	192	192	192	192

Mt Hobson Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.29	7.70
Median	0.20	0.00	0.62	8.00
Average	0.24	0.00	0.62	8.03
Maximum	3.10	0.00	0.98	8.80
Count of Results	146	146	146	146

Onehunga Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.00	0.00	0.40	7.60
Median	0.00	0.00	0.74	8.00
Average	0.08	0.00	0.75	8.02
Maximum	1.60	0.00	1.11	8.70
Count of Results	133	133	133	133

Otahuhu Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.45	7.80
Median	0.20	0.00	0.88	8.00
Average	0.24	0.00	0.88	8.03
Maximum	0.75	0.00	1.17	8.70
Count of Results	108	108	108	108

Glen Eden / New Lynn Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.36	7.20
Median	0.20	0.00	0.70	8.00
Average	0.36	0.00	0.70	7.99
Maximum	4.50	0.00	1.00	8.70
Count of Results	230	230	230	230

Te Henga Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.15	0.00	0.21	8.00
Median	0.25	0.00	0.49	8.50
Average	0.32	0.00	0.50	8.43
Maximum	1.20	0.00	1.14	8.70
Count of Results	108	108	108	108

Oratia Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.15	0.00	0.24	8.10
Median	0.25	0.00	0.51	8.60
Average	0.28	0.00	0.51	8.62
Maximum	2.10	0.00	0.83	9.20
Count of Results	107	107	107	107

Laingholm Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.15	0.00	0.14	7.70
Median	0.20	0.00	0.51	8.40
Average	0.29	0.00	0.50	8.42
Maximum	3.00	0.00	0.74	9.00
Count of Results	108	108	108	108

Montana Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.00	0.00	0.09	7.60
Median	0.20	0.00	0.56	8.10
Average	0.31	0.00	0.56	8.17
Maximum	4.50	0.00	0.90	8.90
Count of Results	108	108	108	108

Huia Village Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.00	0.00	0.19	7.50
Median	0.10	0.00	0.56	8.20
Average	0.14	0.00	0.58	8.22
Maximum	0.90	0.00	1.04	8.70
Count of Results	109	109	109	109

Henderson Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.21	7.60
Median	0.20	0.00	0.71	8.10
Average	0.40	0.00	0.70	8.09
Maximum	11.00	0.00	0.96	8.70
Count of Results	375	375	375	375

The turbidity of 11 NTU was reported to the Auckland Regional Public Health Service. Investigations confirmed this was not representative of water in supply, and compliance with the Drinking Water Standards for New Zealand is maintained.

Swanson Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.25	7.70
Median	0.25	0.00	0.62	8.30
Average	0.32	0.00	0.61	8.27
Maximum	1.10	0.00	0.97	8.80
Count of Results	122	122	122	122

Whenuapai Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.33	7.60
Median	0.20	0.00	0.68	8.10
Average	0.22	0.00	0.67	8.15
Maximum	1.20	0.00	0.93	8.70
Count of Results	133	133	133	133

North Shore South Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.00	0.00	0.27	7.80
Median	0.20	0.00	0.70	8.10
Average	0.26	0.00	0.69	8.07
Maximum	4.40	0.00	1.21	8.70
Count of Results	436	436	436	436

North Shore West Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.33	6.50
Median	0.20	0.00	0.78	8.20
Average	0.24	0.00	0.79	8.18
Maximum	6.60	0.00	1.27	8.80
Count of Results	364	364	364	364

The turbidity of 6.60 NTU was reported to the Auckland Regional Public Health Service. Investigations confirmed this was not representative of water in supply, and compliance with the Drinking Water Standards for New Zealand is maintained.

Howick / Pakuranga Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.00	0.00	0.35	7.50
Median	0.20	0.00	0.77	8.10
Average	0.20	0.00	0.76	8.14
Maximum	2.50	0.00	1.55	8.80
Count of Results	363	363	363	363

East Tamaki / Botany Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.00	0.00	0.50	7.60
Median	0.20	0.00	0.92	8.00
Average	0.21	0.00	0.91	8.00
Maximum	1.60	0.00	1.22	8.30
Count of Results	171	171	171	171

Otara / Papatoetoe / Manukau Central Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.00	0.00	0.45	7.60
Median	0.20	0.00	0.90	8.00
Average	0.30	0.00	0.89	8.01
Maximum	11.00	0.00	1.14	8.60
Count of Results	193	193	193	193

The turbidity of 11 NTU was reported to the Auckland Regional Public Health Service. Investigations confirmed this was not representative of water in supply, and compliance with the Drinking Water Standards for New Zealand is maintained.

Manurewa Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.00	0.00	0.29	7.70
Median	0.20	0.00	0.81	8.10
Average	0.23	0.00	0.81	8.18
Maximum	1.60	0.00	1.06	9.40
Count of Results	241	241	241	241

Mangere Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.42	7.70
Median	0.20	0.00	0.81	8.00
Average	0.29	0.00	0.81	8.04
Maximum	5.10	0.00	1.10	8.50
Count of Results	241	241	241	241

The turbidity of 5.10 NTU was reported to the Auckland Regional Public Health Service. Investigations confirmed this was not representative of water in supply, and compliance with the Drinking Water Standards for New Zealand is maintained.

Auckland Airport Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.00	0.00	0.33	7.80
Median	0.20	0.00	0.84	8.10
Average	0.20	0.00	0.84	8.09
Maximum	0.55	0.00	1.05	8.40
Count of Results	109	109	109	109

High Head Grading Zone Summary

	Turbidity	Escherichia coli	Chlorine Residual	pH
	NTU	MPN/100 mL	mg/L	pH unit
Minimum	0.10	0.00	0.36	7.60
Median	0.20	0.00	0.78	8.00
Average	0.22	0.00	0.75	7.98
Maximum	0.65	0.00	1.18	8.30
Count of Results	109	109	109	109